WADE STADIUM IMPROVEMENTS
Phase 1: Field & Lighting

101 N 35th Ave West
Duluth, Mn. 55807

PROJECT #: P14-08-EB
BID #: 14-23DS

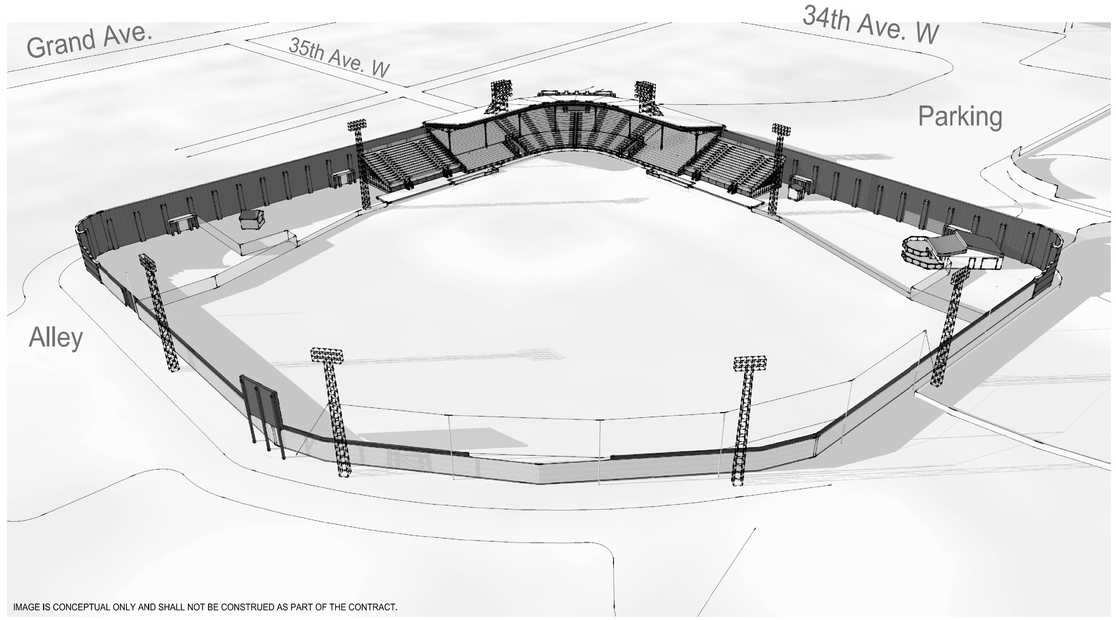


IMAGE IS CONCEPTUAL ONLY AND SHALL NOT BE CONSTRUED AS PART OF THE CONTRACT.

GENERAL NOTES

1. THE CONTRACT DOCUMENTS ARE COMPLIMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
2. CROSS-REFERENCE CIVIL, ARCHITECTURAL AND ELECTRICAL DRAWINGS TO ASSURE COORDINATION OF LOCATION, SIZES AND MATERIALS.
3. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, DIMENSIONS, ETC. AND NOTIFY THE ARCHITECT OF ANY CONDITIONS THAT WOULD ADVERSELY AFFECT THE WORK.
4. THE CONTRACTOR SHALL CONFORM TO MATERIAL MANUFACTURERS' STANDARD RECOMMENDATIONS, DETAILS AND INSTALLATION PROCEDURES, AND NOTIFY THE ARCHITECT IMMEDIATELY IF THEY ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS PRIOR TO PROCEEDING.
5. THE OWNER SHALL RETAIN FIRST SALVAGE RIGHTS TO ANY EXISTING MATERIAL, EQUIPMENT, ETC. THE CONTRACTOR SHALL VERIFY THOSE ITEMS TO BE SALVAGED WITH THE OWNER PRIOR TO THE START OF ANY DEMOLITION.
6. EXISTING CONSTRUCTION INDICATED TO REMAIN THAT IS DAMAGED OR AFFECTED BY THE WORK SHALL BE REPAIRED AND RESTORED TO ITS ORIGINAL CONDITION. WHERE EXISTING FINISHES HAVE BEEN DISTURBED, AND ARE NOT SPECIFICALLY REFERRED TO IN THE PROJECT MANUAL, THE EXISTING MATERIAL SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING, AND THE AFFECTED AREA REFINISHED TO LOGICAL TERMINATION POINTS, AS DIRECTED BY THE ARCHITECT.
7. WHERE A NOTE CALLS FOR INFILL AND/OR PATCHING OF AN EXISTING SURFACE, PATCH TO MATCH PLANE AND FINISH OF ADJACENT SURFACES. CONTRACTOR SHALL PATCH/REFINISH AFFECTED SURFACES TO THE NEXT LOGICAL JOINT OR INTERIOR CORNER.
8. DIMENSIONS ON PLANS ARE AS FOLLOWS:
   - 8.1. MASONRY CONSTRUCTION - FACE OF MASONRY WALL TO FACE OF MASONRY WALL.
   - 8.2. STEEL OR WOOD STUD FRAMING - CENTERLINE OF STUD TO CENTERLINE OF STUD.
9. WHERE A DETAIL IS TAKEN IN SECTION, THE MATERIAL SHOWN SHALL BE CONSIDERED TO BE CONTINUOUS, UNLESS NOTED OTHERWISE.
10. FINISHES, TRIM, ETC. SHALL BE SCRIBED AS REQUIRED TO CONFORM TO ADJACENT CONSTRUCTION.
11. WHERE CONCRETE BLOCK WALLS ABUT, BUT ARE NOT KEYED INTO INTERSECTING BLOCK WALLS OR ABUT DISSIMILAR WALL CONSTRUCTION, HEAD JOINTS SHALL BE HELD BACK 1/4" AND CAULKED. PROVIDE STRAP ANCHORS 16" ON CENTER VERTICALLY.

MATERIALS LEGEND

GRAPHIC	DESCRIPTION	GRAPHIC	DESCRIPTION
SECTIONS AND DETAILS			
	GYPSUM BOARD		WOOD BLOCKING
	PLYWOOD		FINISHED WOOD
	STEEL STUD		BATT INSULATION
	BRICK		CAST STONE
	CONCRETE MASONRY UNIT		CONCRETE
	MISC. METAL		EXISTING CONDITION

SYMBOLS LEGEND

GRAPHIC	DESCRIPTION	GRAPHIC	DESCRIPTION
GRAPHIC NOTATION			
X DRAWING/DETAIL NUMBER; AX.X SHEET NUMBER	DATA BUBBLE	XX	WALL TYPE
X DRAWING/DETAIL NUMBER; AX.X SHEET NUMBER	BUILDING SECTION	XXX	DOOR & WINDOW NUMBER
XX REVISION NUMBER; CLOUD AROUND REVISION	REVISION NUMBER	X	GRID BUBBLE
XXX "EL. XXX-X"	ELEVATION INDICATORS	N	NORTH ARROW

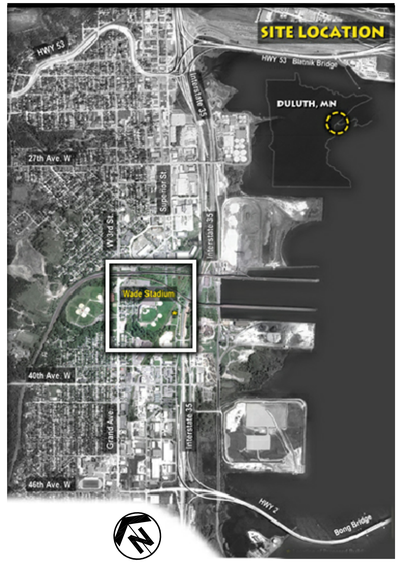
DRAWING SYMBOL LEGEND

GRAPHIC	DESCRIPTION	GRAPHIC	DESCRIPTION
FLOOR PLAN			
	NEW DOOR & FRAME *REF. DOOR SCHED.		EXISTING DOOR & FRAME *REF. DOOR SCHED.
	DEMOLISH DOOR & FRAME *REF. DOOR SCHED.		OBJECT SCHEDULED FOR DEMOLITION

SHEET INDEX

SHEET NO.	DESCRIPTION
	GENERAL
	TITLE SHEET
	IMAGES
	CIVIL
C0.1	EXISTING CONDITIONS
C0.2	EROSION CONTROL
C0.3	SWPPP NOTES
C1.1	SITE REMOVAL PLAN
C2.1	SURVEY LAYOUT CONTROLS
C2.2	UTILITY LAYOUT
1 C2.3	SITE PLAN
C3.1	SURFACE GRADING
C3.2	SUB SURFACE GRADING PLAN
C4.1	PROFILES
C5.1	SITE DETAILS
C5.2	SITE DETAILS
C5.3	SITE DETAILS
	ARCHITECTURAL
A0.1	DEMOLITION PLANS
A1.1	FLOOR PLANS AND ENLARGED PLANS
A1.2	FIELD LAYOUT
A2.1	EXTERIOR ELEVATIONS AND DETAILS
A2.2	ENLARGED EXTERIOR ELEVATIONS AND DETAILS
	ELECTRICAL
E0.0	ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS
E1.1	ELECTRICAL SITE DEMOLITION PLAN
E2.1	ELECTRICAL SITE PLAN
E2.2	ELECTRICAL SITE PHOTOMETRICS PLAN
E3.1	OVERALL GROUND FLOOR DEMOLITION PLAN
E3.2	OVERALL GROUND FLOOR PLAN
E5.1	ELECTRICAL DETAILS
E6.1	ELECTRICAL DEMOLITION AND MODIFIED ONE-LINE DIAGRAMS
E6.2	ELECTRICAL PANELBOARD SCHEDULES

SITE LOCATION MAP



CODE REVIEW

The storm water management plan is not required as the new field drainage is cleaner than a parking lot.

Projects exceeding 75% of the appraised value shall comply with the UDC. The appraised value of this project in 2015 is $1,796,100, thus we exceed the threshold of 75% and will be required to meet the UBC requirements which include the following:

1) Stadium lighting cannot exceed 80 feet in height or 2 foot candles at the property line.
2) Since our project has poles at 100' the project will not exceed the 2 foot candles at the property line.
3) Parking lot requirements for landscaping are extensive and will be waived until adequate funding is in place to accomplish it.
4) UDC 50-31 is the applicable chapter.
5) A screened dumpster enclosure is required, and will be addressed in Phase 2 of the project.

For toilet fixture count, portable toilet facilities will meet the requirements of the code for the interim until additional funding is secured and the permanent fixtures can be constructed. The renovation of the brick walls and new field will not trigger additional code requirements to upgrade the facilities.

Due to the seasonal use of the facility the 1 in 12 sloped ramp is acceptable.

The building is being reclassified as Type 3B construction, and as such, fireproofing of the wood roof structure is not required.

THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM
101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

PHASE 1:
FIELD & LIGHTING

NO.	DATE	ISSUE RECORD
1	8/8/2014	ADDENDUM 1

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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: Kenneth Johnson
PRINTED NAME: KENNETH JOHNSON
LIC. NO.: 11326 DATE: 7.28.2014

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED

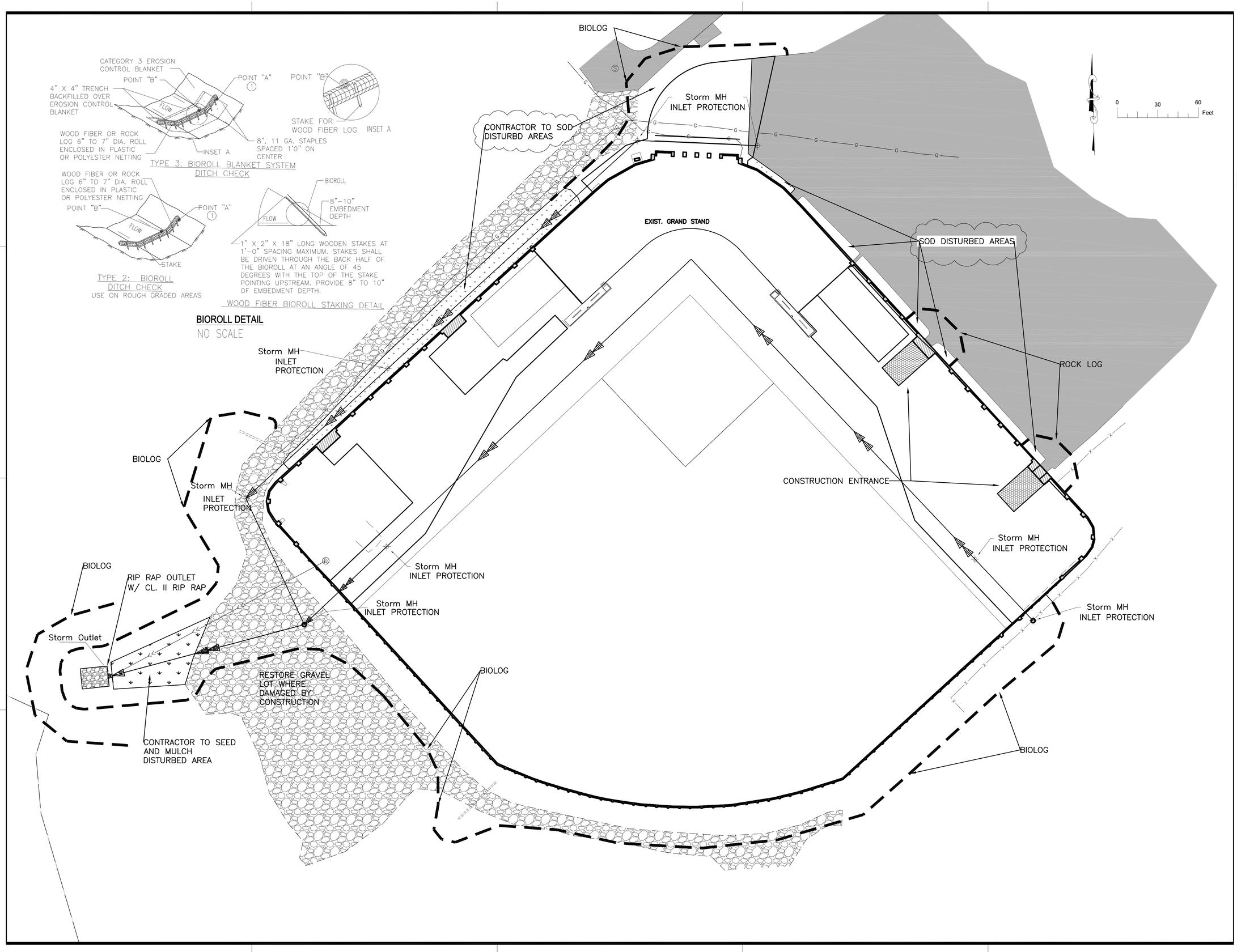
TITLE SHEET

G1.0

15609.000

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

DATE PLOTTED: Aug 07, 2014 - 8:01am
DRAWING PATH: \\DUL-FSRV01\DuluthOffice\Projects\15609000 Duluth Wade Stadium\04 DRAW\00 CURRENT\ARCH\PHASE 1 - Field & Lighting\G1-0.dwg



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Aug 08, 2014 - 7:48am
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THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM

101 N. 35TH AVE W.
DULUTH, MN 55807

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SIGNATURE:
PRINTED NAME: DAVID P. SALO
LIC. NO.: 18553 DATE: 07/28/14

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED
JL	NM	JL

EROSION CONTROL

C0.2

15609.000

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

Aug 08, 2014 - 7:55am
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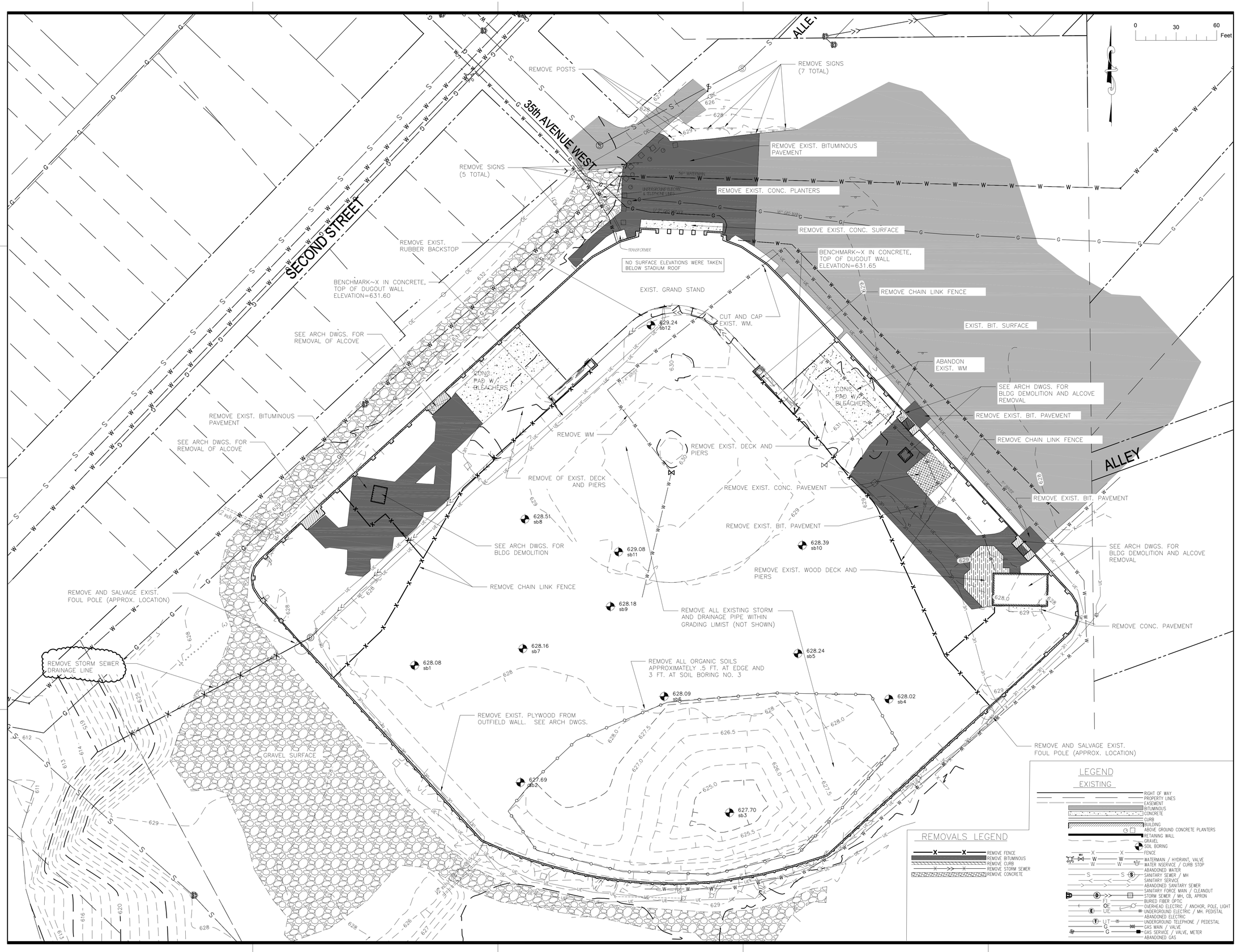

THE CITY OF DULUTH MINNESOTA

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LIC. NO.: 18553 DATE: 07/28/14

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED
JK	JK	JL

SITE REMOVAL PLAN

C1.1

15609.000

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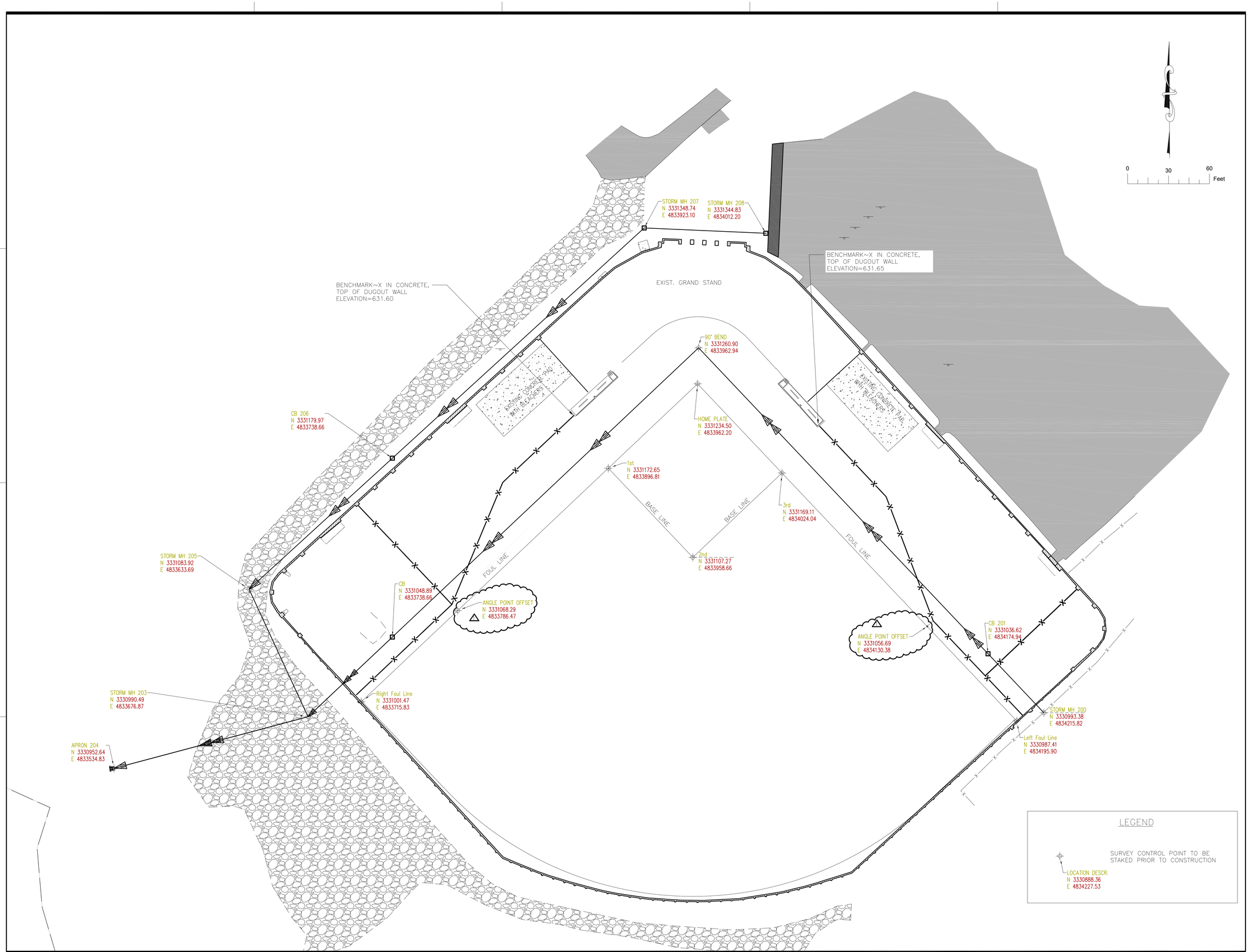

Aug 08, 2014 - 2:31pm
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THE CITY OF DULUTH MINNESOTA

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TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED
SM	SM	JK

SURVEY LAYOUT CONTROLS

C2.1

15609.000

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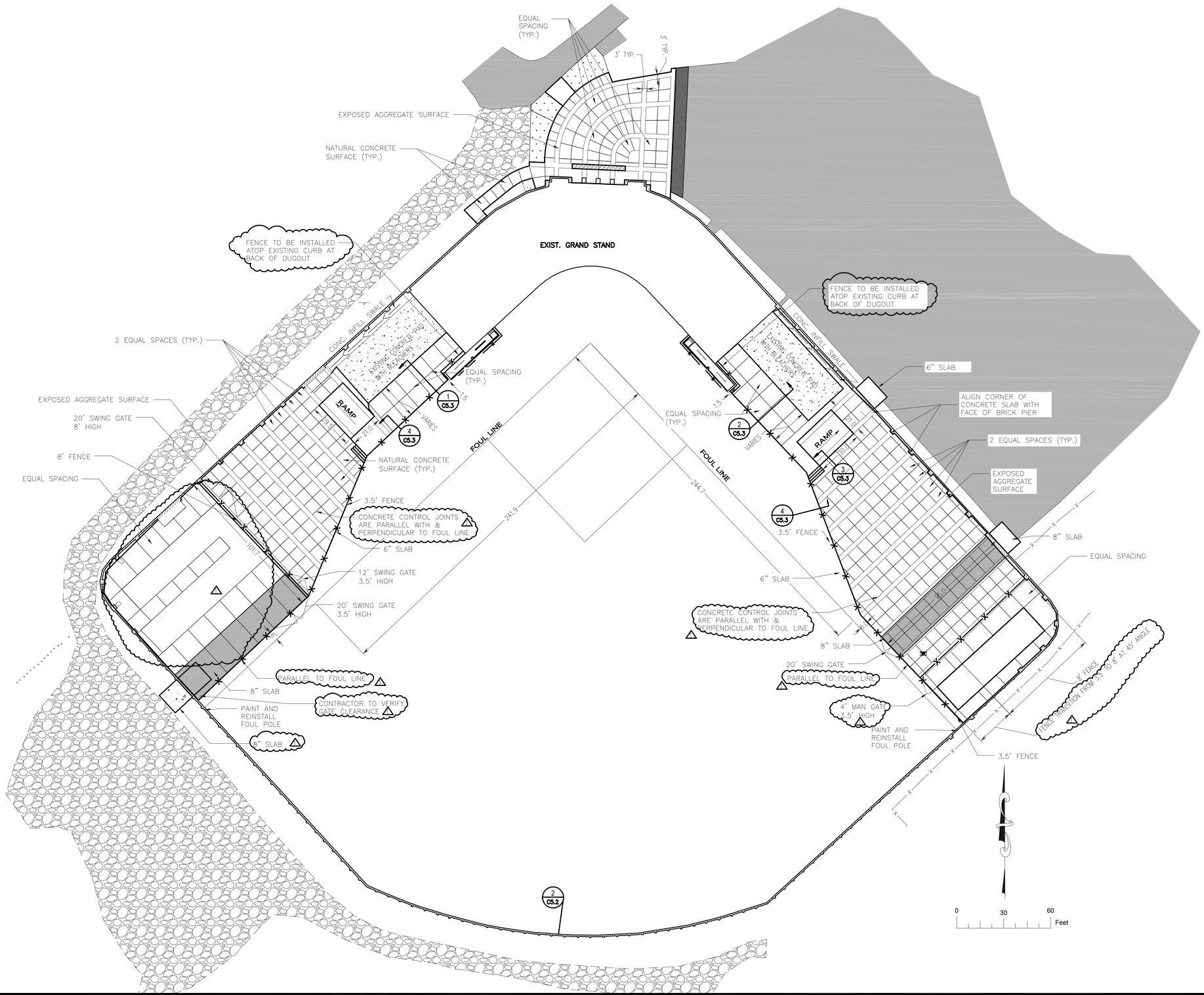

Aug 08, 2014 - 2:36pm
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THE CITY OF DULUTH MINNESOTA

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WADE STADIUM

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WADE STADIUM IMPROVEMENTS

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TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

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KP	NM	JL

SITE PLAN

C2.3

15609.000

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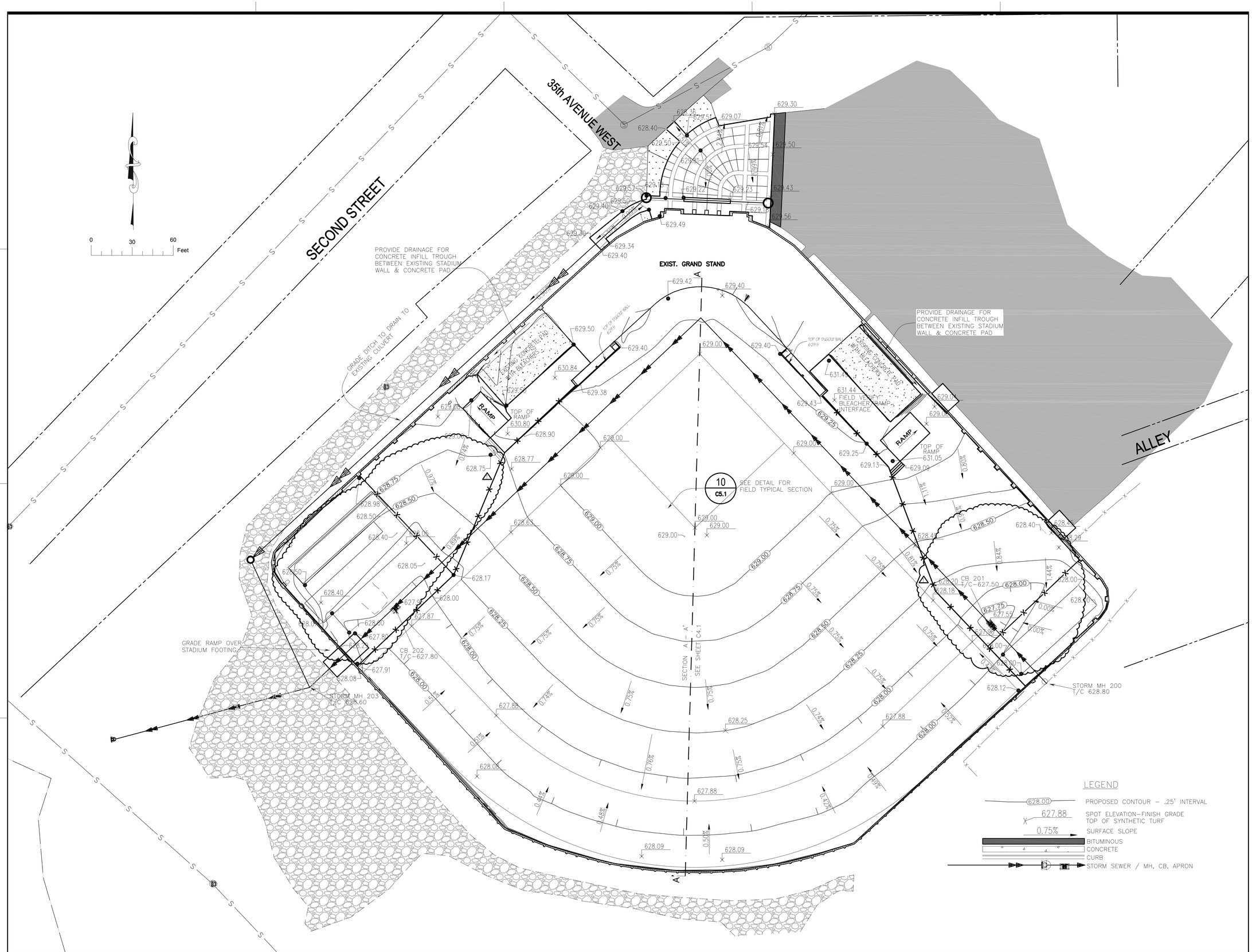

LEGEND

- 628.00 PROPOSED CONTOUR – .25' INTERVAL
- 627.88 SPOT ELEVATION–FINISH GRADE TOP OF SYNTHETIC TURF
- 0.75% SURFACE SLOPE
- BITUMINOUS
- CONCRETE
- CURB
- STORM SEWER / MH, CB, APRON

Aug 08, 2014 - 8:39am
O:\Projects\TKDA\15609.000-Wade Stadium\C3D\dwg\100%\C3.1R SURFACE GRADE.dwg

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TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED
JK	JK	JL

SURFACE GRADING

C3.1R

15609.000

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Aug 08, 2014 - 2:50pm
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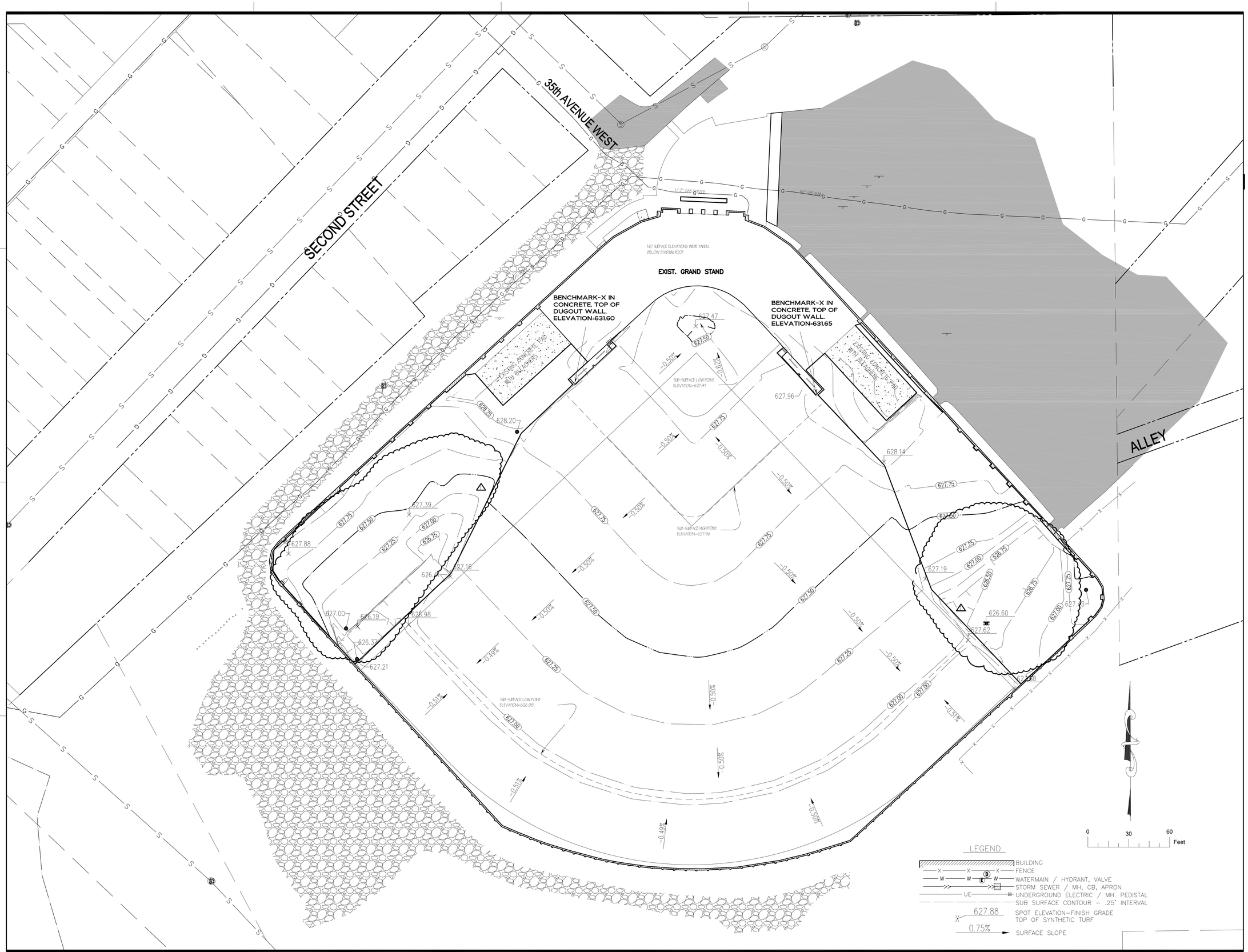

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TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
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JK	JK	JL

SUB-SURFACE GRADING PLAN

C3.2

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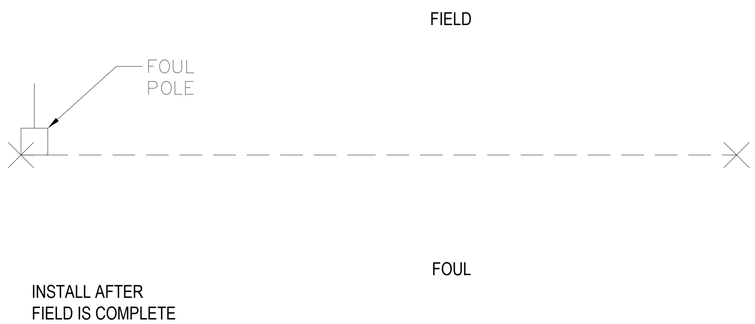
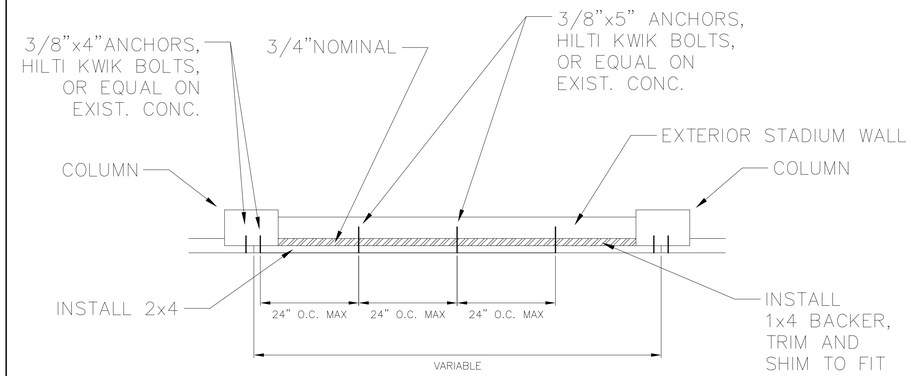
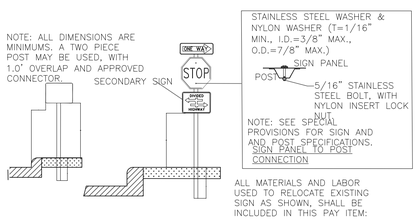


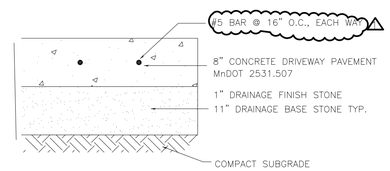
1 C5.2 FOUL POLE DETAIL, PLAN VIEW
NO SCALE



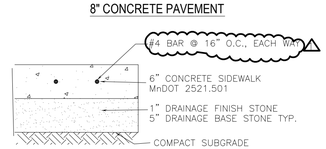
2 C5.2 RECESS SHIMMING ON OUTFIELD WALL, PLAN VIEW
NO SCALE



3 C5.2 SIGN INSTALLATION
NO SCALE

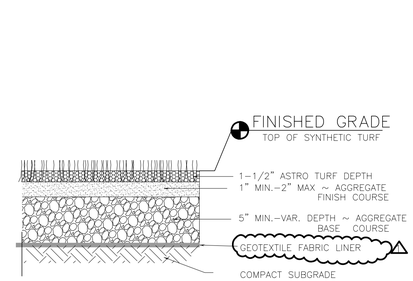


8" CONCRETE PAVEMENT



6" CONCRETE PAVEMENT

4 C5.2 CONCRETE PAVEMENT SECTIONS
NO SCALE



5 C5.2 FIELD TYPICAL SECTION
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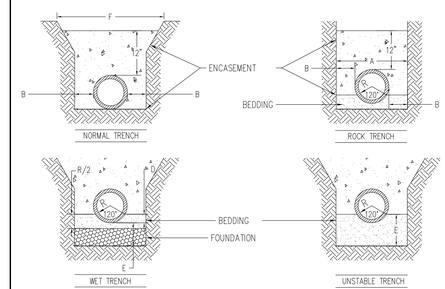

1. DIMENSIONS:
   A. MAXIMUM WIDTH – O.D. PIPE +24"
   B. MINIMUM – 6"
   C. 6" BELOW BARREL
   D. 3" BELOW BARREL
   E. DETERMINED BY ENGINEER
   F. MAXIMUM PAY WIDTH (SURFACE RESTORATION) O.D. PIPE + 36"
2. ENCASEMENT ZONE SHALL NOT CONTAIN STONE OVER 2 INCH CINDER, REFUSE, LUMBER, FROZEN EARTH, OR OTHER OBJECTIONABLE MATERIAL.
3. BEDDING MATERIAL MAY BE SAND OR GRAVEL CONTAINING NO STONES LARGER THAN 2 INCH SIZE.
4. FOUNDATION SHALL BE UNIFORM 1 INCH TO 1 1/2 INCH WASHED OR CRUSHED STONE.

6 C5.2 TRENCH SECTIONS FOR STORM SEWER
NO SCALE

THE CITY OF DULUTH MINNESOTA

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TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
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DESIGNED	DRAWN	CHECKED
JK	JK	JL

SITE DETAILS

C5.2

15609.000

Aug 08, 2014 - 2:38pm
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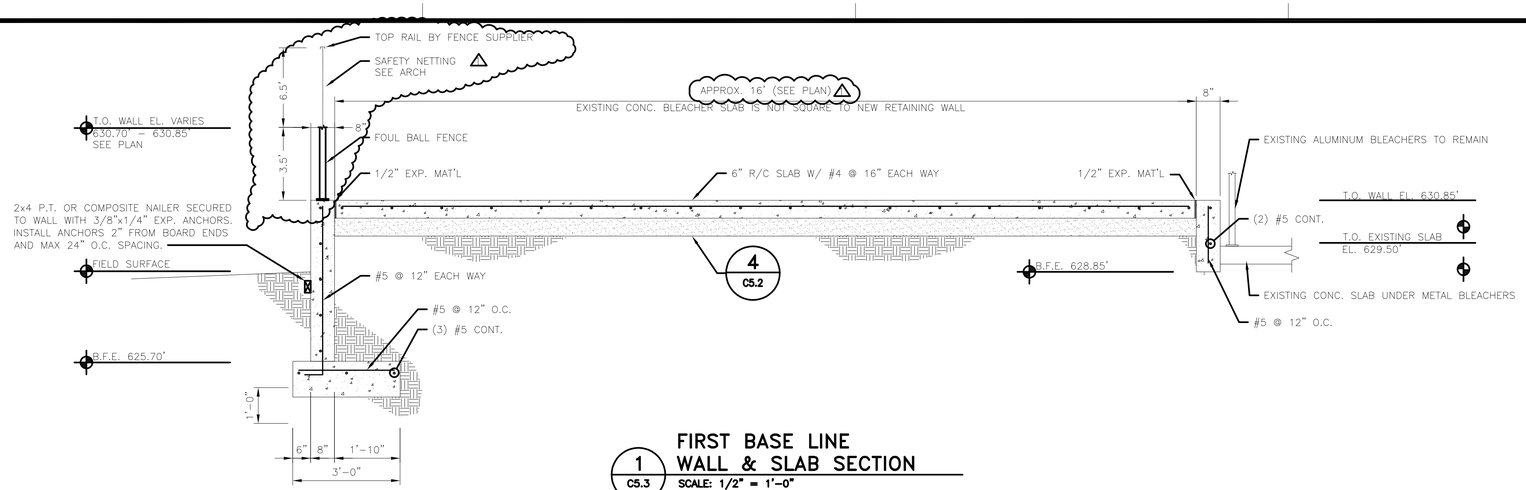

1 C5.3 FIRST BASE LINE WALL & SLAB SECTION

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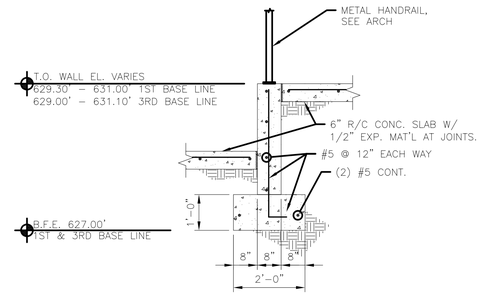
0 1 2 4
SCALE IN FEET



3 C5.3 RAMP WALL WALL & SLAB SECTION

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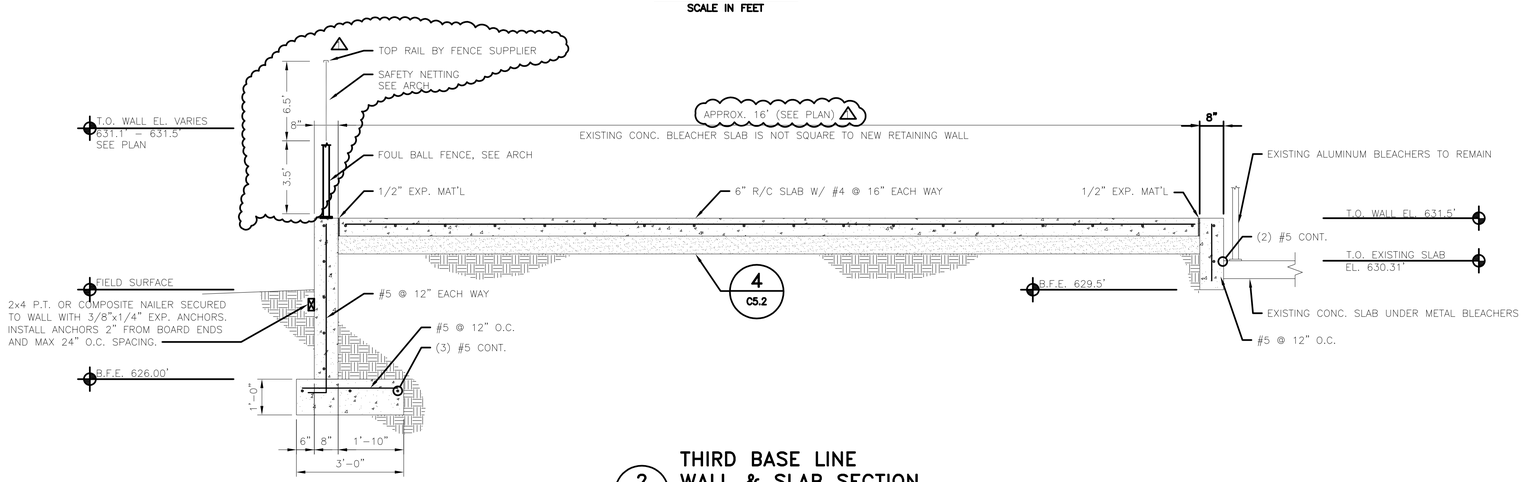
SCALE IN FEET



2 C5.3 THIRD BASE LINE WALL & SLAB SECTION

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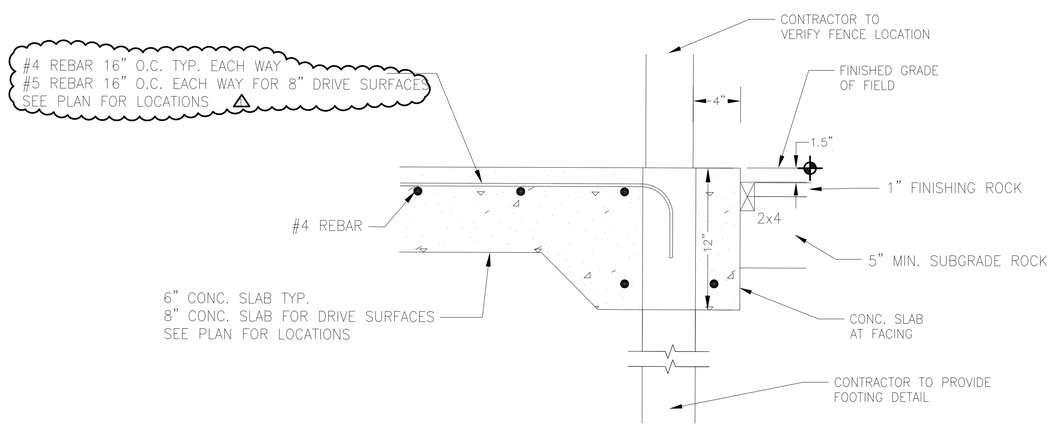
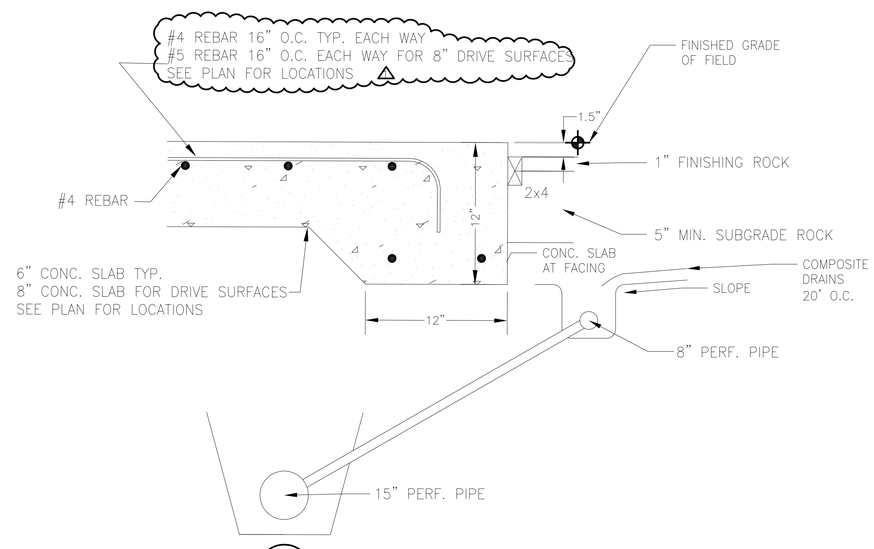
SCALE IN FEET



4 C5.3 CONC. SLAB AND TURF CONNECTION

NO SCALE



5 C5.3 FIELD DRAINAGE AT SIDEWALK INTERFERENCE

NO SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

DATE PLOTTED: Aug 08, 2014 - 2:44pm
DRAWING PATH: O:\Projects\TKDA\15609.000-Wade Stadium\C3D\dwg\100%\C5.3R DETAILS.dwg

THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM
101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

PHASE 1: FIELD & LIGHTING

NO.	DATE	ISSUE RECORD
1	8/8/2014	ADDENDUM

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

SIGNATURE:
PRINTED NAME: DAVID P. SALO
LIC. NO.: 18553 DATE: 07/28/14

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED
JL	NM	JL

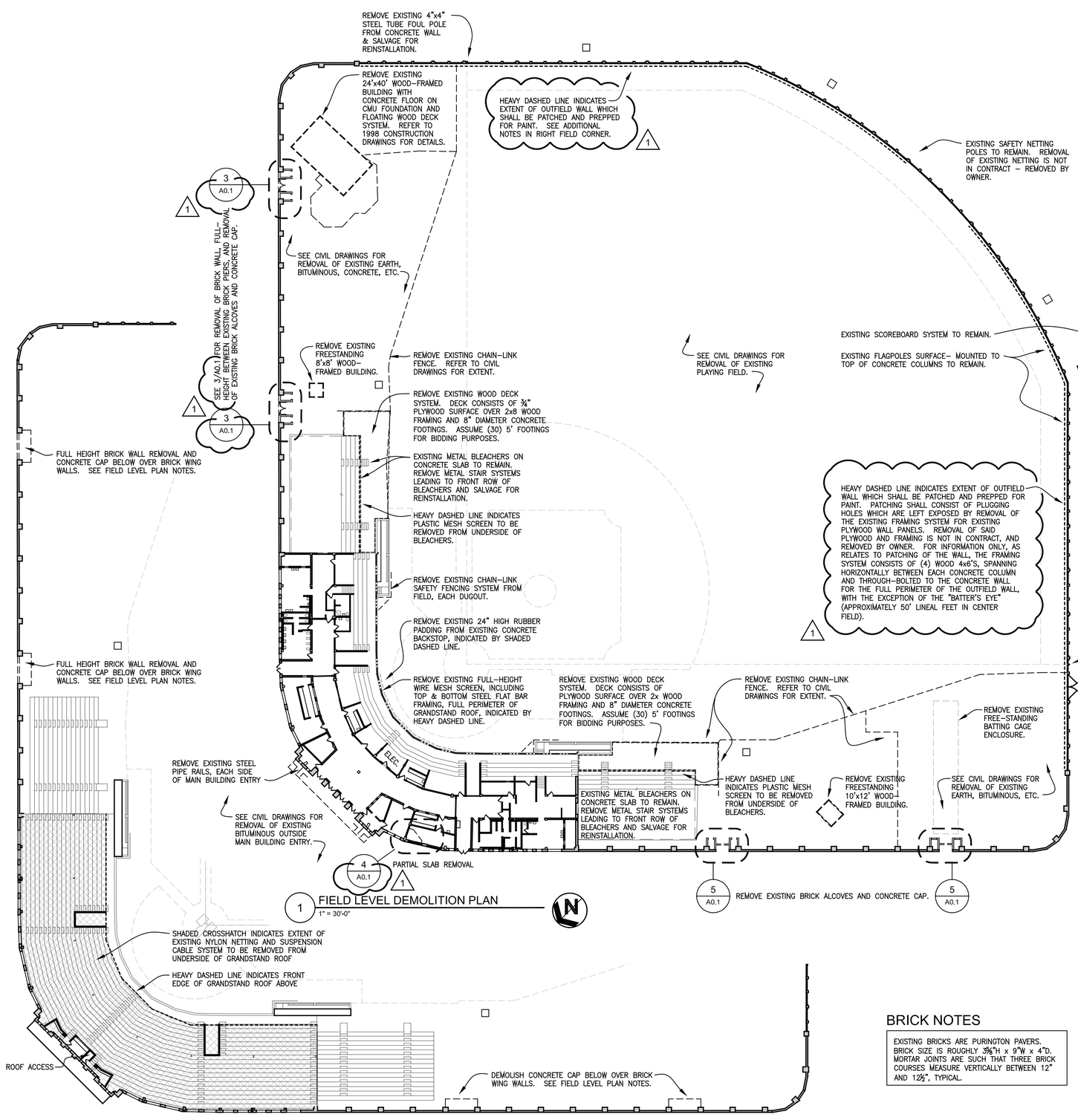
SITE DETAILS

C5.3

15609.000

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

DATE PLOTTED: Aug 08, 2014 - 10:17am
DRAWING PATH: \\DUL-FSRV01\DulutheOffice\Projects\15609000 Duluth Wade Stadium\04 DRAW\00 CURRENT\ARCH\PHASE 1 - Field & Lighting\A0-1.dwg



1 FIELD LEVEL DEMOLITION PLAN
1" = 30'-0"

2 GRANDSTAND LEVEL DEMOLITION PLAN
1" = 30'-0"

0 15' 30' 60'
SCALE: 1" = 30'

BRICK NOTES

EXISTING BRICKS ARE PURINGTON PAVERS. BRICK SIZE IS ROUGHLY 3⅝"H x 9"W x 4"D. MORTAR JOINTS ARE SUCH THAT THREE BRICK COURSES MEASURE VERTICALLY BETWEEN 12" AND 12½", TYPICAL.

SEE BUILDING ELEVATIONS FOR NOTES REGARDING CONSTRUCTION FENCING AND TEMPORARY PROTECTION OF EXISTING BRICK WALL.

EXTERIOR ELEVATION DEMOLITION NOTES 3/A2.2 4/A2.2 EXTERIOR ELEVATION CONSTRUCTION NOTES

CAREFULLY REMOVE EXISTING BRICK WALL BETWEEN FACES OF BRICK PIERS. WALL IS (3) BRICK WYTHES THICK. REFER TO BRICK NOTES BELOW FOR ADDITIONAL BRICK DETAIL. PROTECT THE EXISTING BRICK SCHEDULED TO REMAIN. SALVAGE BRICK AS REQUIRED FOR PATCHING AND TOOTHING IN AT AND AROUND PIER CORNERS. REMAINDER OF REMOVED BRICK WHICH IS FOUND TO BE IN REUSABLE CONDITION SHALL BE TURNED OVER TO THE OWNER.

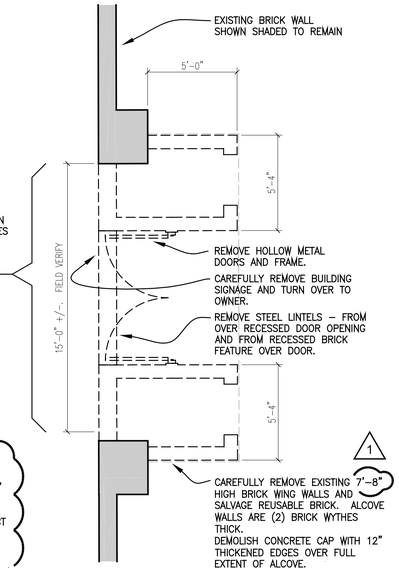
UNKNOWN IF EXISTING ALCOVE WING WALLS WERE BUILT WITH FOUNDATION WALLS. FOR BIDDING PURPOSES, ASSUME REMOVAL OF THE TOP 2'-0" OF FOUNDATIONS FOR ALCOVE WING WALLS TO ACCOMMODATE THE SCHEDULED WORK. NOTIFY ARCHITECT OF EXISTING CONDITIONS UPON SCHEDULED REMOVAL OF SURFACE MATERIALS. NOTE THAT CONTINUOUS EXTERIOR WALL FOUNDATION SHALL REMAIN, AND THE FOUNDATION REMOVAL IS LIMITED ONLY TO THE FOOTPRINT OF THE WING WALLS.

EXISTING WOOD SIGNAGE STRUCTURES (NOT SHOWN) WHICH ARE OUTSIDE THE OUTFIELD WALL ARE TO REMAIN, TYPICAL.

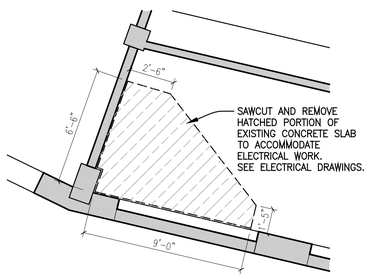
SEE ELECTRICAL DRAWINGS FOR REMOVAL OF EXISTING LIGHT TOWER STRUCTURES, TYPICAL. REFER TO BUILDING ELEVATIONS, SHEET A2.1 FOR LOCATIONS OF ROOF-MOUNTED LIGHTING STRUCTURES SCHEDULED FOR REMOVAL.

REMOVE EXISTING 4"x4" STEEL TUBE FOUL POLE FROM CONCRETE WALL & SALVAGE FOR REINSTALLATION.

EXISTING SWING GATE TO REMAIN. SEE BUILDING ELEVATIONS FOR ADDITIONAL NOTES.



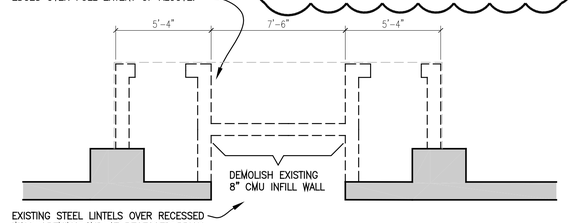
3 3rd BASELINE - ALCOVE DEMOLITION
1/4" = 1'-0"



4 ELECTRICAL ROOM DEMOLITION
1/4" = 1'-0"

CAREFULLY REMOVE EXISTING 7'-8" HIGH BRICK WING WALLS AND SALVAGE REUSABLE BRICK. ALCOVE WALLS ARE (2) BRICK WYTHES THICK. DEMOLISH CONCRETE CAP WITH 12" THICKENED EDGES OVER FULL EXTENT OF ALCOVE.

UNKNOWN IF EXISTING ALCOVE WING WALLS WERE BUILT WITH FOUNDATION WALLS. FOR BIDDING PURPOSES, ASSUME REMOVAL OF THE TOP 2'-0" OF FOUNDATIONS FOR ALCOVE WING WALLS TO ACCOMMODATE THE SCHEDULED WORK. NOTIFY ARCHITECT OF EXISTING CONDITIONS UPON SCHEDULED REMOVAL OF SURFACE MATERIALS. NOTE THAT CONTINUOUS EXTERIOR WALL FOUNDATION SHALL REMAIN, AND THE FOUNDATION REMOVAL IS LIMITED ONLY TO THE FOOTPRINT OF THE WING WALLS.



EXTERIOR ELEVATION DEMOLITION NOTES 1/A2.2 2/A2.2 EXTERIOR ELEVATION CONSTRUCTION NOTES

5 1st BASELINE - ALCOVE DEMOLITION
1/4" = 1'-0"

0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"

THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM
101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

PHASE 1: FIELD & LIGHTING

NO.	DATE	ISSUE RECORD
1	8/8/2014	ADDENDUM 1

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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE:
PRINTED NAME: KENNETH JOHNSON
LIC. NO.: 11326 DATE: 7.28.2014

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

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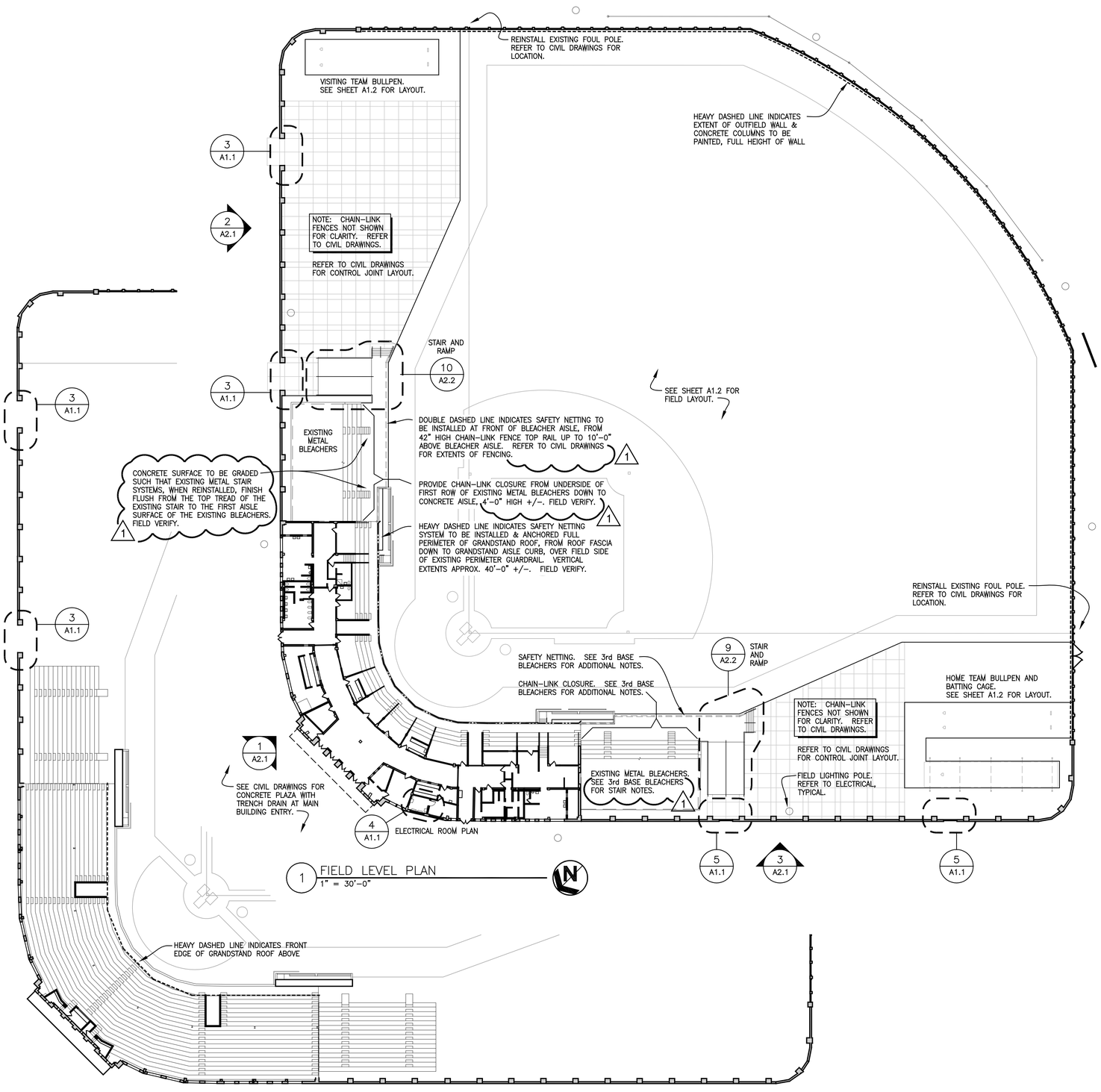
DEMOLITION PLANS

A0.1

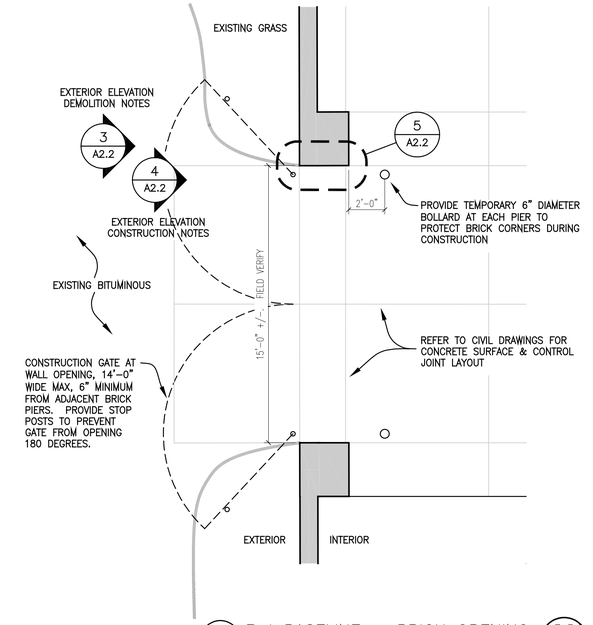
15609.000



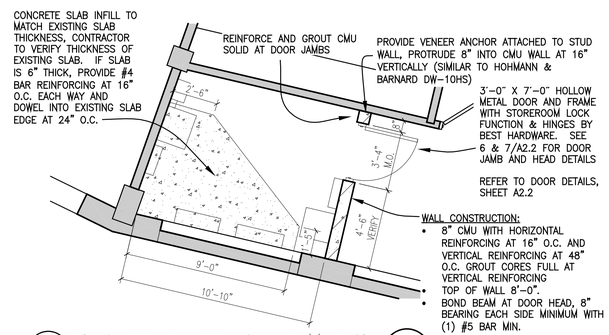
1 FIELD LEVEL PLAN
1" = 30'-0"

2 GRANDSTAND LEVEL PLAN
1" = 30'-0"

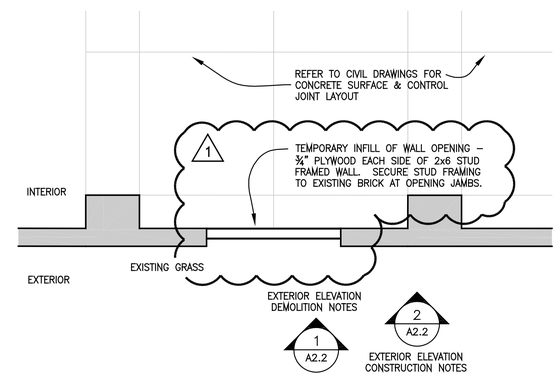
0 15' 30' 60'



3 3rd BASELINE – BRICK OPENING
1/4" = 1'-0"



4 ENLARGED ELECTRICAL ROOM PLAN
1/4" = 1'-0"



5 1st BASELINE – BRICK INFILL
1/4" = 1'-0"

0 2'-0" 4'-0" 8'-0"

THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM

101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

PHASE 1: FIELD & LIGHTING

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LIC. NO.: 11326 DATE: 7.28.2014

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
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FLOOR PLANS & ENLARGED PLANS

A1.1

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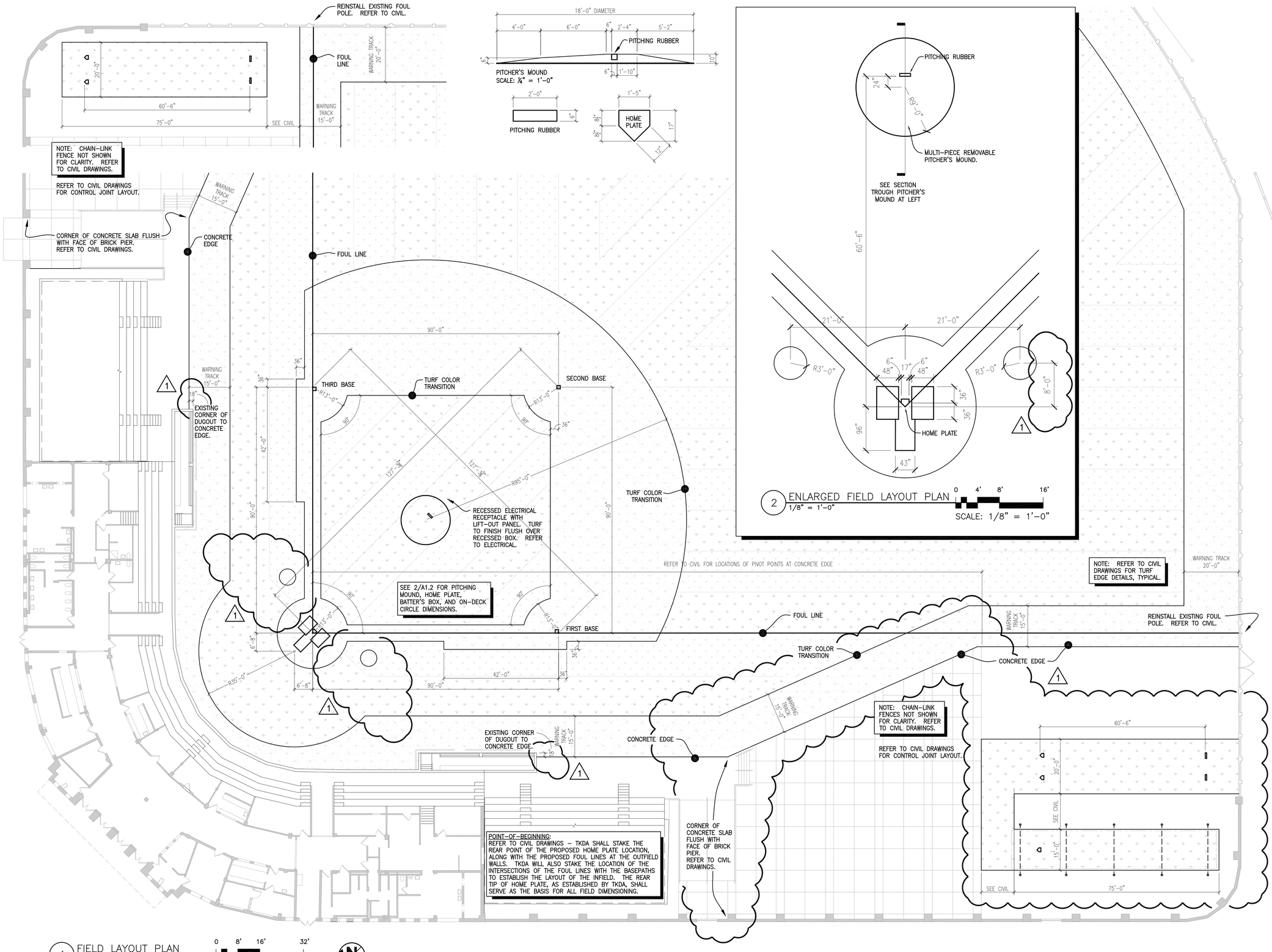
0 1
DATE PLOTTED: Aug 08, 2014 - 11:39am
DRAWING PATH: \\DUL-FSRV01\DuluthOffice\Projects\15609000 Duluth Wade Stadium\04 DRAW\00 CURRENT\ARCH\PHASE 1 - Field & Lighting\A1-1.dwg



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DATE PLOTTED: Aug 07, 2014 - 2:15pm
DRAWING PATH: \\DUL-FSRV01\DulthOffice\Projects\15609000 Duluth Wade Stadium\04 DRAW\00 CURRENT\ARCH\PHASE 1 - Field & Lighting\A1-2.dwg

THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM

101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

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SIGNATURE: Kenneth Johnson
PRINTED NAME: KENNETH JOHNSON
LIC. NO.: 11326 DATE: 7.28.2014

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
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FIELD LAYOUT PLAN

A1.2

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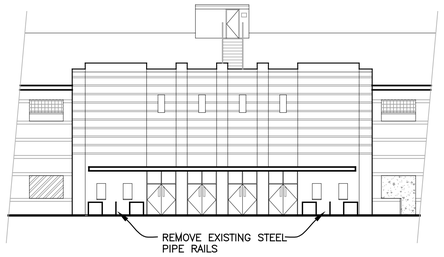
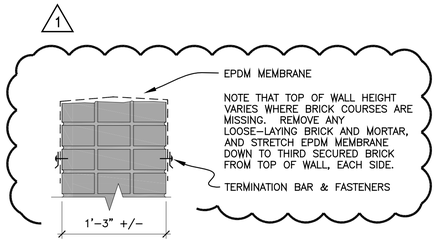
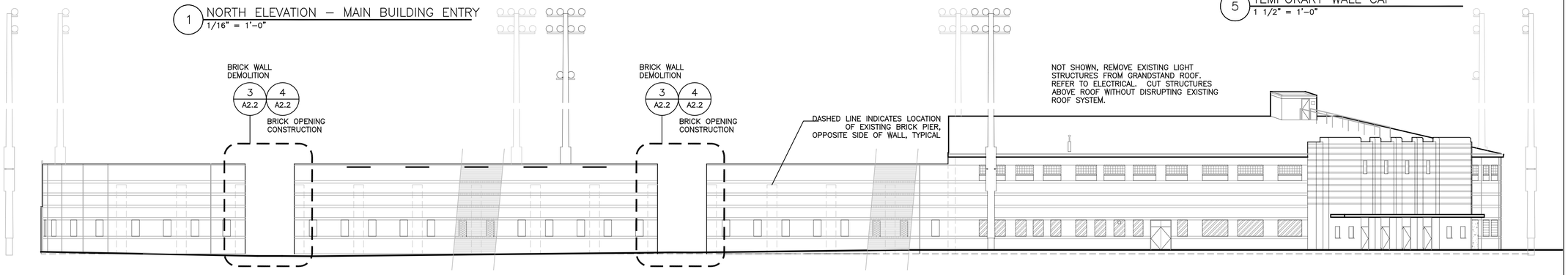


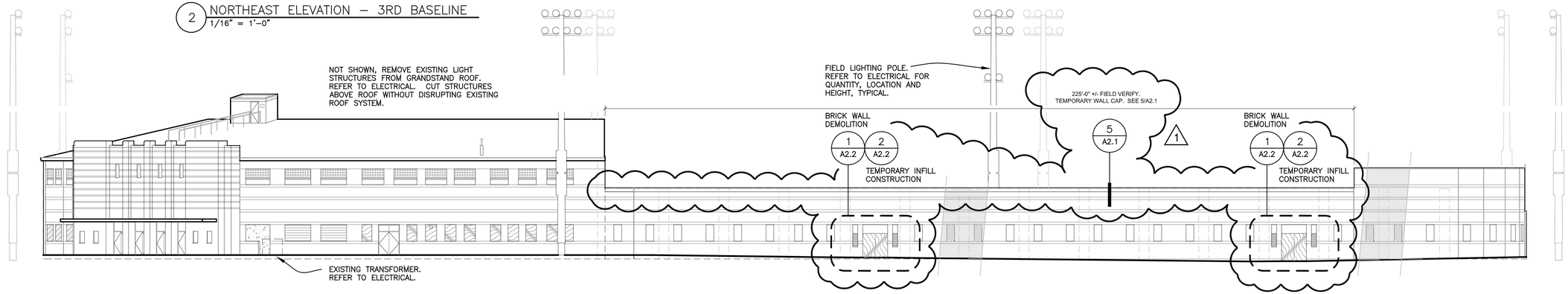
1 NORTH ELEVATION – MAIN BUILDING ENTRY
1/16" = 1'–0"



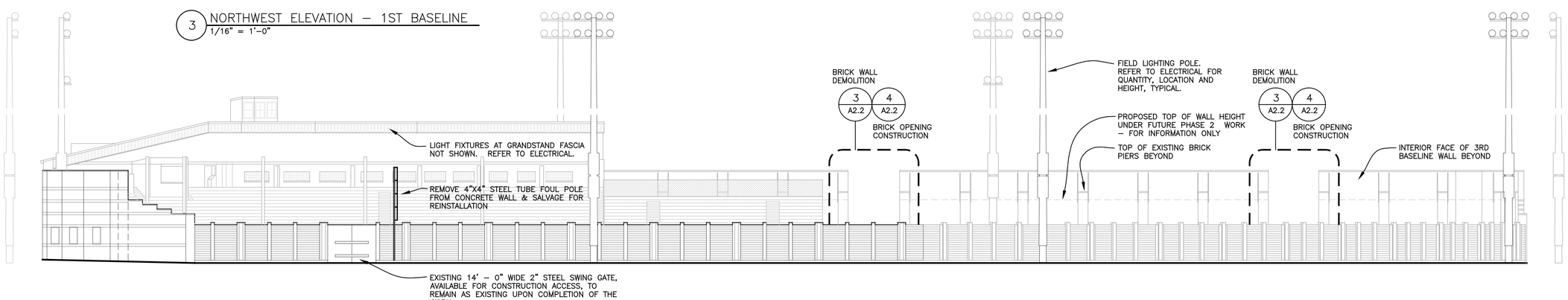
5 TEMPORARY WALL CAP
1 1/2" = 1'–0"



2 NORTHEAST ELEVATION – 3RD BASELINE
1/16" = 1'–0"



3 NORTHWEST ELEVATION – 1ST BASELINE
1/16" = 1'–0"



4 SOUTHWEST ELEVATION – RIGHT FIELD
1/16" = 1'–0"

0 8' 16' 32'
SCALE: 1/16" = 1'–0"

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DATE PLOTTED: Aug 07, 2014 - 12:08pm
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THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM
101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

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LIC. NO.: 11326 DATE: 7.28.2014

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

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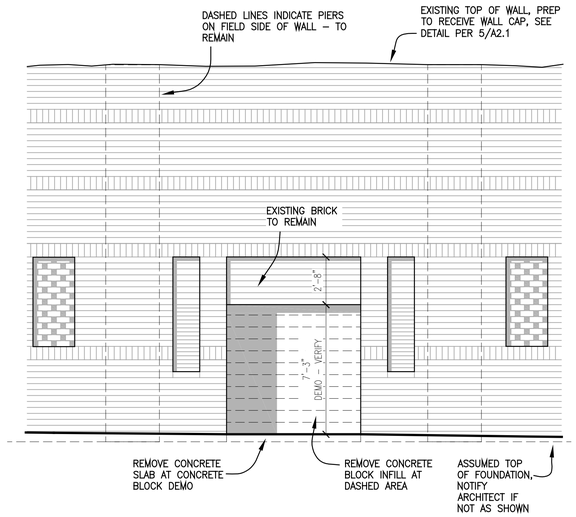
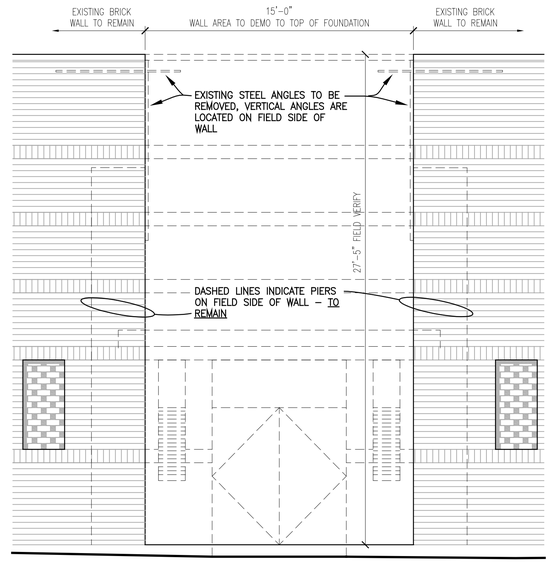
EXTERIOR ELEVATIONS & DETAILS

A2.1

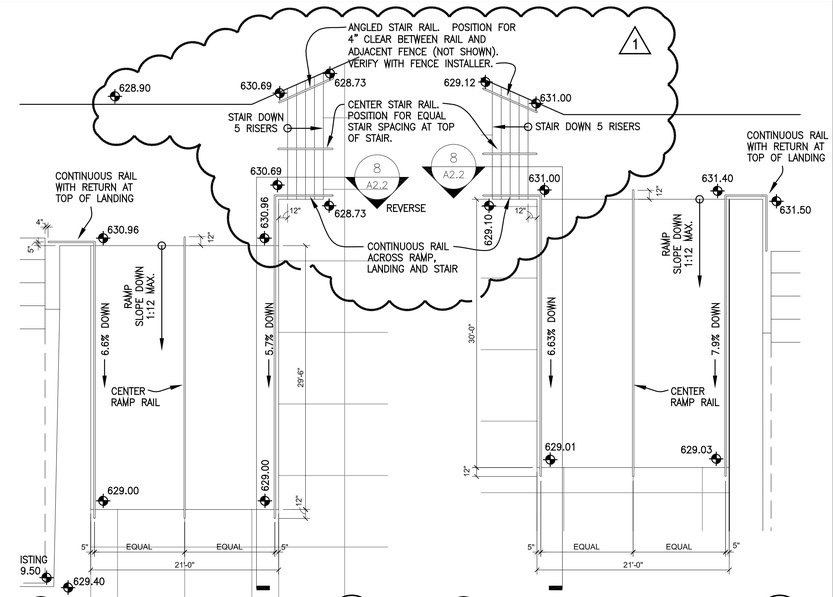
15609.000



1 1ST BASELINE ELEVATION – ALCOVE DEMOLITION
1/4" = 1'-0"

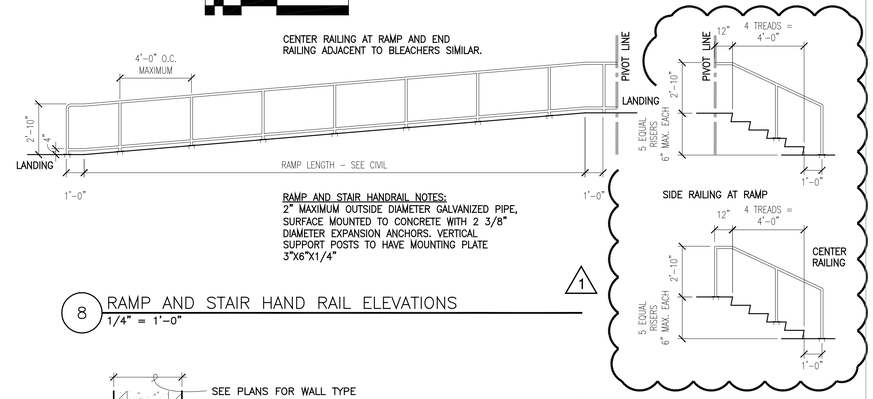


3 3RD BASELINE ELEVATION – ALCOVE DEMOLITION
1/4" = 1'-0"



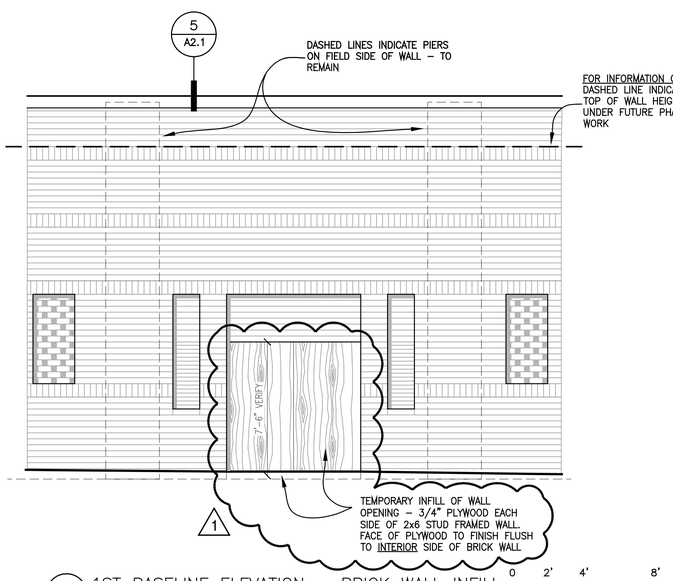
9 STAIR/RAMP – 1st BASELINE
1/8" = 1'-0"

10 STAIR/RAMP – 3rd BASELINE
1/8" = 1'-0"

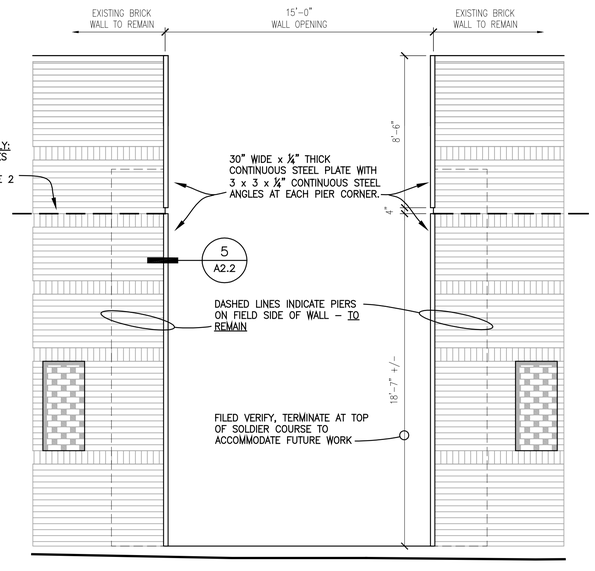


RAMP AND STAIR HANDRAIL NOTES:
2" MAXIMUM OUTSIDE DIAMETER GALVANIZED PIPE, SURFACE MOUNTED TO CONCRETE WITH 2 3/8" DIAMETER EXPANSION ANCHORS. VERTICAL SUPPORT POSTS TO HAVE MOUNTING PLATE 3"X6"X1/4"

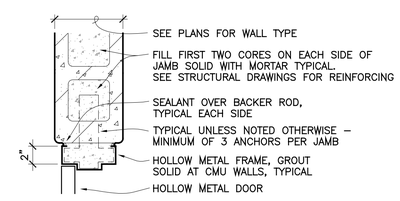
8 RAMP AND STAIR HAND RAIL ELEVATIONS
1/4" = 1'-0"



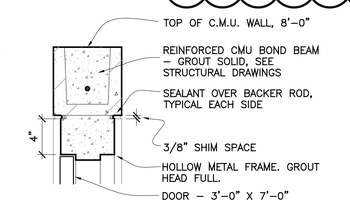
2 1ST BASELINE ELEVATION – BRICK WALL INFILL
1/4" = 1'-0"



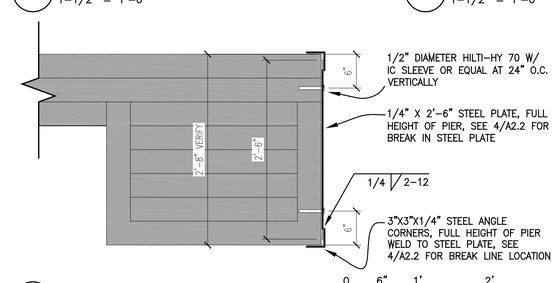
4 3RD BASELINE ELEVATION – BRICK WALL OPENING
1/4" = 1'-0"



6 H.M. FRAME – JAMB AT CMU WALL
1-1/2" = 1'-0"



7 H.M. FRAME – HEAD AT CMU WALL
1-1/2" = 1'-0"



5 PIER DETAIL AT WALL OPENING
1" = 1'-0"

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DATE PLOTTED: Aug 08, 2014 - 11:33am
DRAWING PATH: \\DUL-FSRV01\DuluthOffice\Projects\15609000 Duluth Wade Stadium\04 DRAW\00 CURRENT\ARCH\PHASE 1 – Field & Lighting\A2-2.dwg

THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM
101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

PHASE 1: FIELD & LIGHTING

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SIGNATURE:
PRINTED NAME: KENNETH JOHNSON
LIC. NO.: 11326 DATE: 7.28.2014

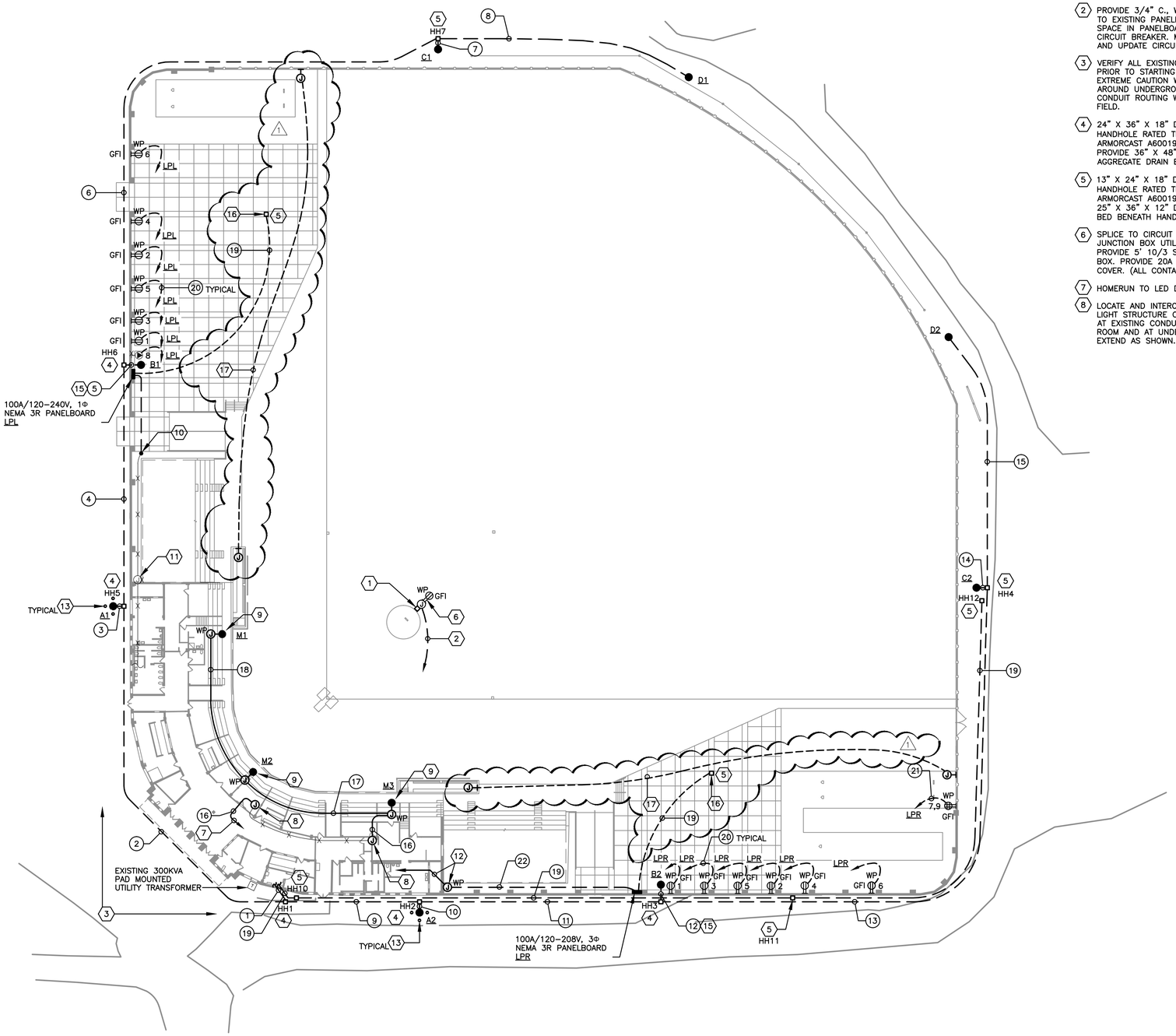
TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED

ENLARGED EXTERIOR ELEVATIONS & DETAILS

A2.2

15609.000



1 E2.1 ELECTRICAL SITE PLAN

0 15 30 60
SCALE IN FEET

NOTES

1. HANDHOLE; SPORTSFIELD SPECIALTIES MODEL NUMBER 3500.5 COMBOX PLUS WITH INFILL RETAINER SYSTEM. COORDINATE EXACT MOUNTING LOCATION IN THE FIELD WITH THE OWNER AND THE ARTIFICIAL TURF INSTALLER.
2. PROVIDE 3/4" C., WITH; (2)#8 + #10 GROUND TO EXISTING PANELBOARD B. UTILIZE EXISTING SPACE IN PANELBOARD AND PROVIDE 20A–1P CIRCUIT BREAKER. MATCH EXISTING AIC RATING AND UPDATE CIRCUIT DIRECTORY.
3. VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO STARTING ANY WORK. EXERCISE EXTREME CAUTION WHEN TRENCHING OR BORING AROUND UNDERGROUND UTILITIES. COORDINATE CONDUIT ROUTING WITH OTHER DISCIPLINES IN THE FIELD.
4. 24" X 36" X 18" DEEP POLYMER CONCRETE HANDHOLE RATED TIER 22. "ELECTRIC" MARKING ARMORCAST A6001974FDAPC18 OR EQUAL. PROVIDE 36" X 48" X 12" DEEP COARSE AGGREGATE DRAIN BED BENEATH HANDHOLE.
5. 13" X 24" X 18" DEEP POLYMER CONCRETE HANDHOLE RATED TIER 22. "ELECTRIC" MARKING ARMORCAST A6001946APCX18 OR EQUAL. PROVIDE 25" X 36" X 12" DEEP COARSE AGGREGATE DRAIN BED BENEATH HANDHOLE.
6. SPLICE TO CIRCUIT CONDUCTORS IN WATERTIGHT JUNCTION BOX UTILIZING WATERTIGHT FITTINGS. PROVIDE 5' 10/3 SOW CORD TO WP RECEPTACLE BOX. PROVIDE 20A GFI RECEPTACLE AND WP COVER. (ALL CONTAINED IN HANDHOLE)
7. HOMERUN TO LED DRIVER PANEL.
8. LOCATE AND INTERCEPT EXISTING CONDUIT FEEDING LIGHT STRUCTURE ON CANOPY. PROVIDE PULL BOX AT EXISTING CONDUIT IN ELECTRICAL EQUIPMENT ROOM AND AT UNDERSIDE OF CANOPY AND EXTEND AS SHOWN.
9. MOUNT LIGHTS ON FASCIA OF EXISTING CANOPY. SEE DETAIL 2/E5.1. CONTRACTOR SHALL PROVIDE 3/4" LIQUIDTIGHT FLEXIBLE CONDUIT FROM FIXTURE ASSEMBLY WATERTIGHT HUB TO JUNCTION BOX AS SHOWN. PROVIDE 5/8" STAINLESS STEEL MOUNTING HARDWARE AS REQUIRED.
10. INTERCEPT EXISTING CONDUIT AND EXTEND UNDERGROUND TO NEW PANELBOARD AS SHOWN.
11. EXTEND EXISTING FEEDER IN EXISTING JUNCTION BOX MOUNTED ON BUILDING WALL. PROVIDE NEW (3) #1/0 + #6 GND FROM EXISTING JUNCTION BOX TO NEW PANELBOARD AS SHOWN. (FIELD VERIFY AND MATCH EXISTING CONDUCTOR SIZES AND QUANTITY.)
12. PROVIDE WP JUNCTION BOX AND LB AS REQUIRED FOR ROUTING OF CONDUIT TO PANELBOARD A. PROVIDE 2" C., WITH; (4)#1 + #6 GND.
13. PROVIDE BOLLARDS AS SHOWN. SEE 4/E5.1 FOR DETAIL.
14. ALL RECEPTACLES MOUNTED ON STADIUM WALL SHALL BE MOUNTED AT 48" ABOVE FINISHED GRADE.
15. CORE THROUGH EXISTING FOUNDATION WALL FOR ROUTING OF CONDUIT(S).
16. COORDINATE EXACT HANDHOLE MOUNTING LOCATION WITH THE OWNER.
17. PROVIDE WP JUNCTION BOXES AND 1" MT CONDUIT BETWEEN. COORDINATE EXACT MOUNTING LOCATIONS WITH THE OWNER.

CONDUIT SCHEDULE

1. (6) 2"C., EACH WITH;
   1–(3)#4, (3)#8, + #6 GND (A1, B1)
   1–(6)#4 + #6 GND (C1, D1)
   1–(3)#4, (3)#8, + #6 GND (A2, B2)
   1–(6)#4 + #6 GND (C2, D2)
   1–SPARE
   1–SPARE
2. (4) 2"C., EACH WITH;
   1–(3)#4, (3)#8, + #6 GND (A1, B1)
   1–(6)#4 + #6 GND (C1, D1)
   1–SPARE
   1–SPARE
3. (1) 2"C., WITH;
   (3)#8 + #8 GND (A1)
4. (4) 2"C., EACH WITH;
   1–(3)#4 + #6 GND (B1)
   1–(6)#4 + #6 GND (C1, D1)
   1–SPARE
   1–SPARE
5. (1) 2"C., WITH;
   (3)#4 + #6 GND (B1)
6. (3) 2"C., EACH WITH;
   1–(6)#4 + #6 GND (C1, D1)
   1–SPARE
   1–SPARE
7. (1) 2"C., WITH;
   (3)#4 + #6 GND (C1)
8. (1) 2"C., WITH;
   (3)#4 + #6 GND (D1)
9. (4) 2"C., EACH WITH;
   1–(3)#4, (3)#8, + #6 GND (A2, B2)
   1–(6)#4 + #6 GND (C2, D2)
   1–SPARE
   1–SPARE
10. (1) 2"C., WITH;
    (3)#8 + #8 GND (A2)
11. (4) 2"C., EACH WITH;
    1–(3)#4 + #6 GND (B2)
    1–(6)#4 + #6 GND (C2, D2)
    1–SPARE
    1–SPARE
12. (1) 2"C., WITH;
    (3)#4 + #6 GND (B2)
13. (3) 2"C., EACH WITH;
    1–(6)#4 + #6 GND (C2, D2)
    1–SPARE
    1–SPARE
14. (1) 2"C., WITH;
    (3)#4 + #6 GND (C2)
15. (1) 2"C., WITH;
    (3)#4 + #6 GND (D2)
16. (1) 1"C., WITH;
    (6)#12 2000V + #12 GND (M1, M2, M3)
17. (1) 3/4"C., WITH;
    (4)#12 2000V + #12 GND (M1, M2)
18. (1) 3/4"C., WITH;
    (2)#12 2000V + #12 GND (M1)
19. (1) 2"C., MT
20. (1) 3/4"C., WITH;
    (2)#10 + #12 GND
21. (1) 1"C., WITH;
    (4)#8 + #10 GND
22. (1) 2"C., WITH;
    (4)#1 + #6 GND

THE CITY OF DULUTH MINNESOTA

CITY OF DULUTH
WADE STADIUM
101 N. 35TH AVE W.
DULUTH, MN 55807

WADE STADIUM IMPROVEMENTS

PHASE 1: FIELD & LIGHTING

NO.	DATE	ISSUE RECORD
1	8/8/2014	ADDENDUM 1

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

SIGNATURE:
PRINTED NAME: CHRISTOPHER J. LEITER
LIC. NO.: 47889 DATE: 7/28/14

TKDA
11 East Superior Street, Suite 340
Duluth, MN 55802
218.724.8578
tkda.com

DESIGNED	DRAWN	CHECKED
JRY	CJL/JRY	CJL

ELECTRICAL SITE PLAN

E2.1

15609.000

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.
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DATE PLOTTED: Aug 07, 2014 - 9:25am
DRAWING PATH: W:\Projects\15609000 Duluth Wade Stadium\04 DRAW\00 CURRENT\ELEC\E2.1rev1.dwg