

MALL OF AMERICA TRANSIT STATION RENOVATIONS BLOOMINGTON, MN

90% DESIGN SUBMISSION



BUILDING SITE
820 30TH AVE S
BLOOMINGTON, MN 55425



PROJECT SITE MAP
1
05/16

TEAM LEAD, CIVIL ENGINEERING, LANDSCAPE AND URBAN DESIGN
KIMLEY-HORN AND ASSOCIATES
2550 UNIVERSITY AVENUE WEST, SUITE 238N
SAINT PAUL, MN 55114-2006
PHONE (651) 645-4197

TRAFFIC ENGINEERING, STRUCTURAL ENGINEERING AND COST ESTIMATING
SRF CONSULTING GROUP
ONE CARLSON PARKWAY NORTH, SUITE 150
MINNEAPOLIS, MN 55447-4443
PHONE (763) 475-0010

ARCHITECTURE
SNOW KREILICH ARCHITECTS
219 NORTH 2ND STREET, SUITE 120
MINNEAPOLIS, MN 55401-1452
PHONE (612) 359-9430

LIGHT RAIL TRACK SYSTEMS DESIGN
LTK ENGINEERING SERVICES
CROWN ROLLER MILL BUILDING
105 FIFTH AVENUE SOUTH, SUITE 350
MINNEAPOLIS, MN 55401
PHONE (612) 339-2612

MECHANICAL/ELECTRICAL/PLUMBING
DUNHAM ASSOCIATES
50 SOUTH SIXTH STREET, SUITE 1100
MINNEAPOLIS, MN 55402-1540
PHONE (612) 465-7550

CODE ANALYSIS AND FIRE PROTECTION DESIGN
SUMMIT FIRE CONSULTING
575 MINNEHAHA AVENUE WEST
SAINT PAUL, MN 55103
PHONE (651) 251-1880

RISK ASSESSMENT
BAKER ENGINEERING AND RISK CONSULTANTS
3330 OAKWELL COURT, SUITE 100
SAN ANTONIO, TX 78219-3024
PHONE (210) 824-5960

FIELD SURVEY AND 3D MAPPING
MARTINEZ GEOSPATIAL
2915 WATERS ROAD, SUITE 100
EAGAN, MN 55121-1572
PHONE (651) 686-8424

OWNER
METRO TRANSIT
560 SIXTH AVENUE NORTH
MINNEAPOLIS, MN 55411-4398
PHONE (612) 349-7638
FAX (612) 349-7600

FUNDING PARTNER
CITY OF BLOOMINGTON
1800 WEST OLD SHAKOPEE ROAD
BLOOMINGTON, MN 55431-3027
PHONE (952) 563-8700

DRAFT FOR REVIEW - NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION OF REVISIONS	APP.	DESIGNED BY:
				DRAWN BY: MH/LK
				CHECKED BY: Checker
				DATE: 06/29/2016



MALL OF AMERICA
TRANSIT STATION RENOVATIONS
COVER SHEET

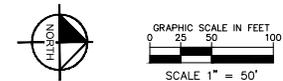
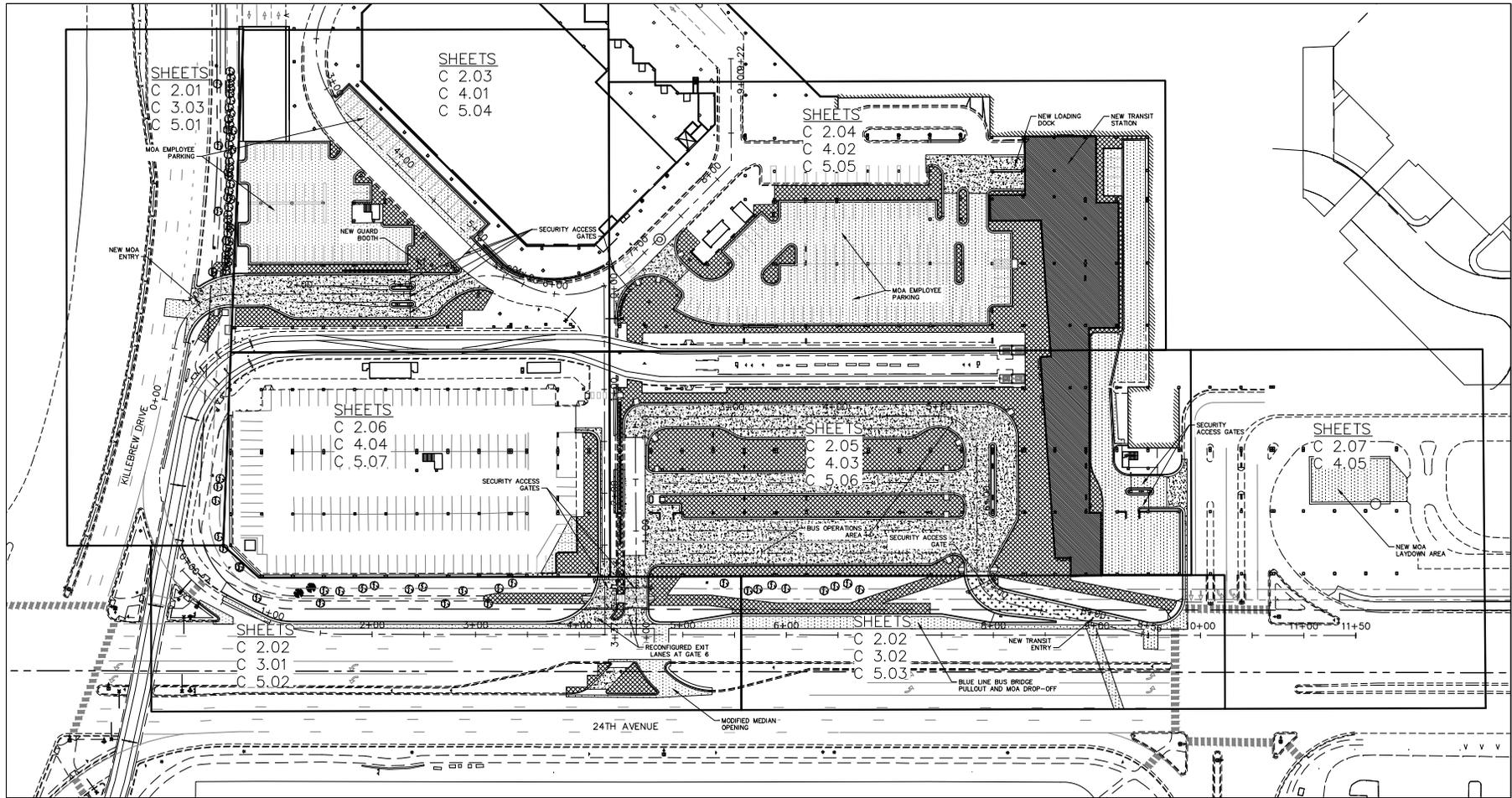
PROJECT NO.

62317

SHEET NO.

G0.00

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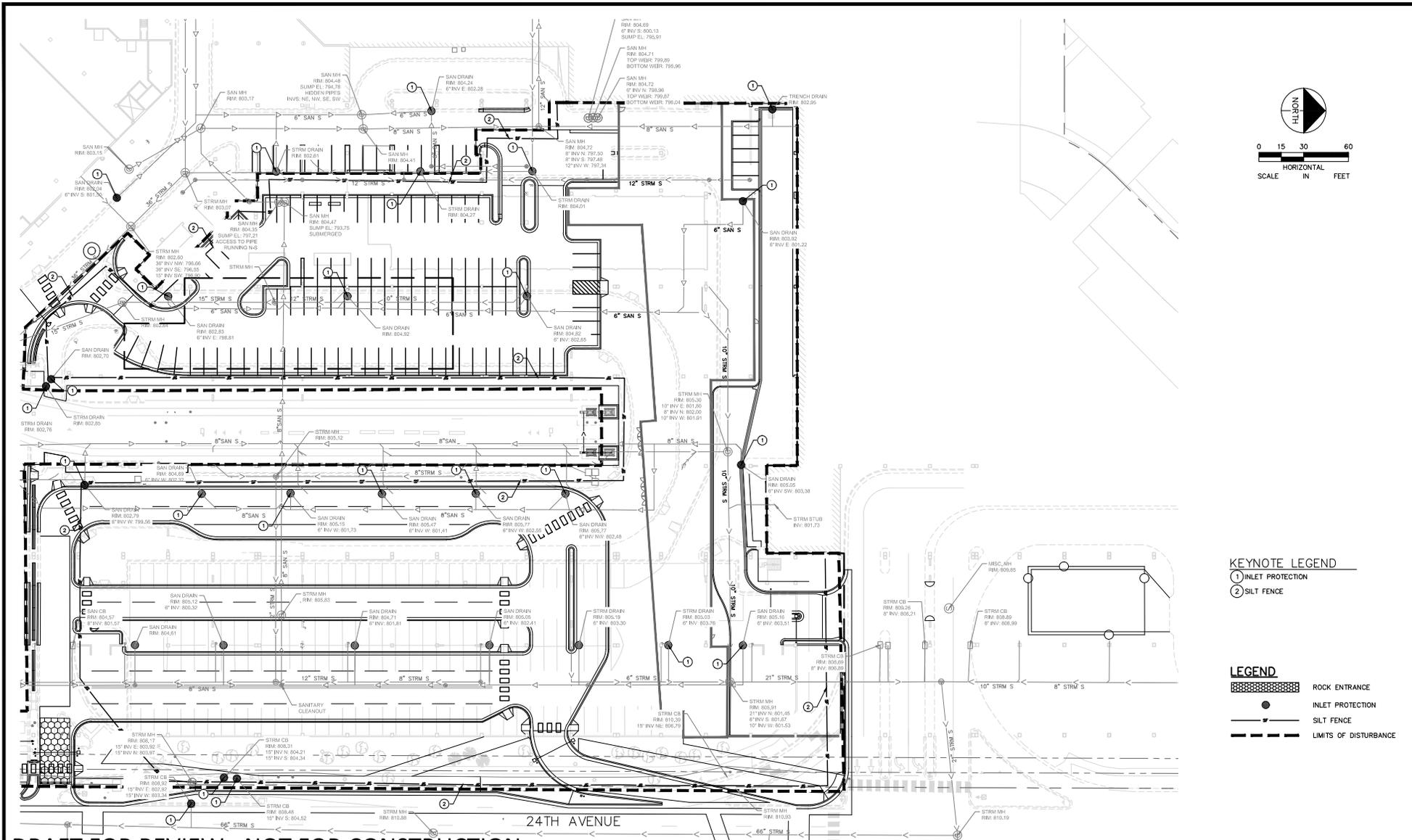
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DRAWN BY:	JS	
CHECKED BY:	JRW	
DATE:	06/29/2016	
		JUSTIN R. WOFFINDEN, P.E. DATE: _____ MN LIC. NO. 50995



**MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 SHEET INDEX
 KEY MAP**

PROJECT NO.	62317
SHEET NO.	C 0.01

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KEYNOTE LEGEND

- ① INLET PROTECTION
- ② SILT FENCE

LEGEND

- ROCK ENTRANCE
- INLET PROTECTION
- SILT FENCE
- LIMITS OF DISTURBANCE

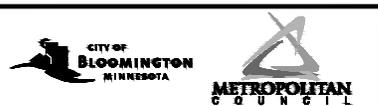
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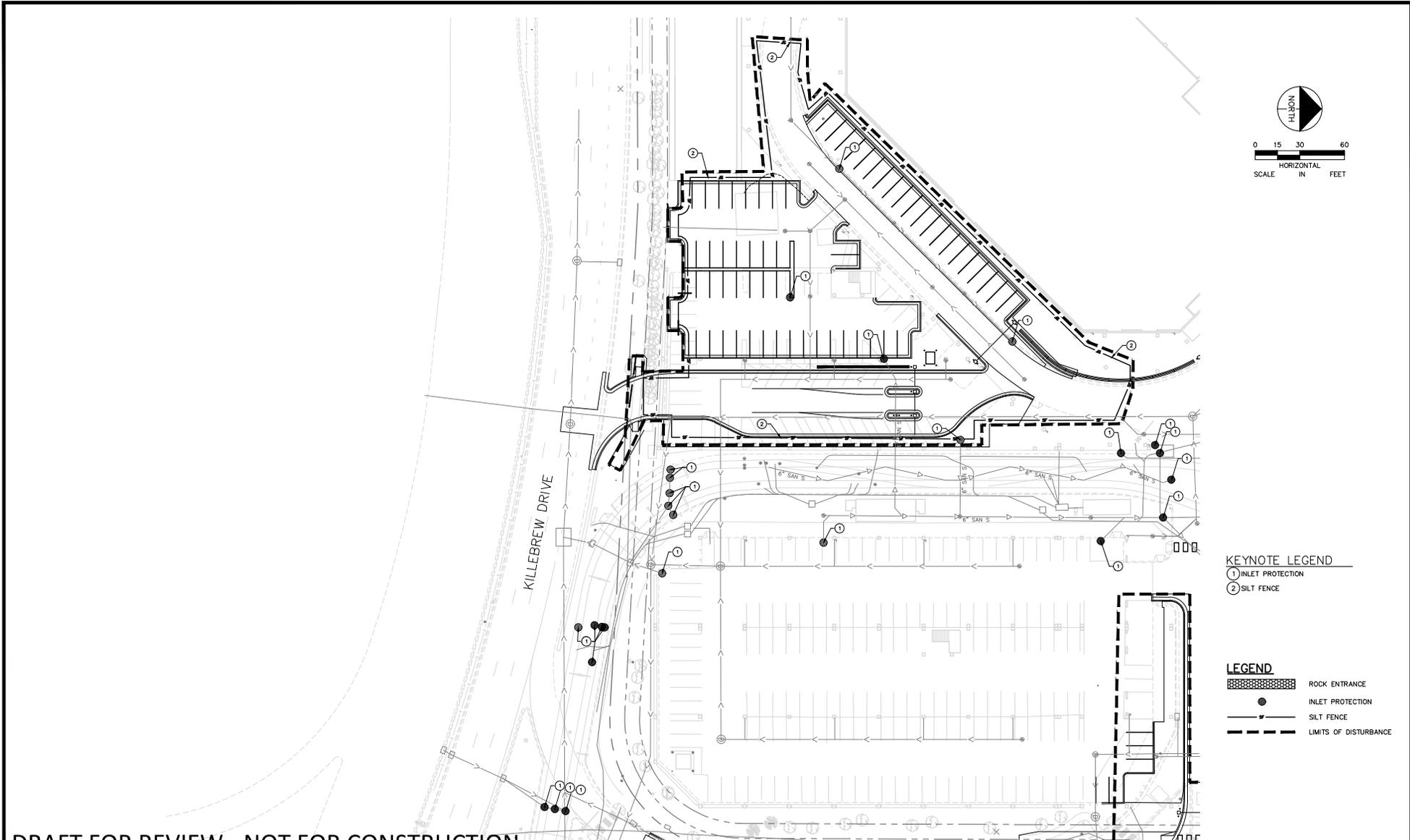
Justin R. Woffinden, P.E.
 MN LIC. NO. 50995



MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 EROSION AND SEDIMENT CONTROL
 BMP PLAN

PROJECT NO. 62317
 SHEET NO. C 0.03

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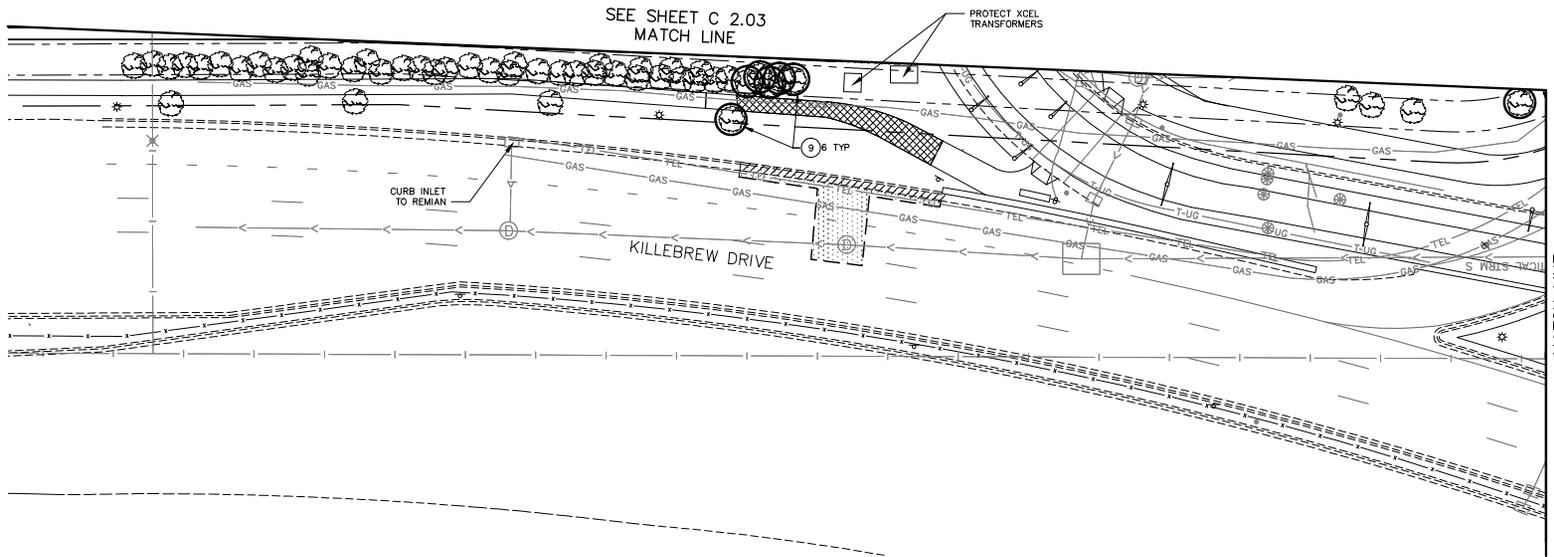
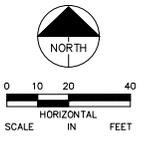
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MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 EROSION AND SEDIMENT CONTROL
 BMP PLAN

PROJECT NO. 160400057
 SHEET NO. C 0.04

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KEYNOTE LEGEND

- | | | |
|-----------------------------------|---|-------------------------|
| ① REMOVE STORM SEWER STRUCTURE | ⑨ REMOVE TREE | ⑰ REMOVE BUS SHELTERS |
| ② REMOVE SANITARY SEWER STRUCTURE | ⑩ REMOVE GUARD BOOTH | ⑱ REMOVE RETAINING WALL |
| ③ REMOVE BENCH | ⑪ REMOVE BOLLARD | ⑲ REMOVE FENCE |
| ④ REMOVE STAIRS | ⑫ REMOVE AND RELOCATE TRAFFIC SIGNAL (SEE SIGNAL PLANS) | ⑳ REMOVE HANDRAIL |
| ⑤ REMOVE METAL SCREENING | ⑬ REMOVE AND RELOCATE LIGHT POLE (SEE SIGNAL PLANS) | |
| ⑥ ADJUST COVER TO NEW GRADE | ⑭ REMOVE TRAFFIC SIGN | |
| ⑦ REMOVE HYDRANT | ⑮ REMOVE SECURITY GATE | |
| ⑧ REMOVE DRUM BARRIER | ⑯ REMOVE AND RELOCATE TRAFFIC BLANKOUT SIGN | |

LEGEND

- REMOVE CONCRETE WALK
- REMOVE CONCRETE PAVEMENT
- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE CURB & GUTTER
- REMOVE RETAINING WALL
- REMOVE LIGHT BASE
- REMOVE BOLLARD
- CLEARING AND GRUBBING
- SAWCUT
- WORK AREA BOUNDARY
- REMOVE EXISTING UTILITY

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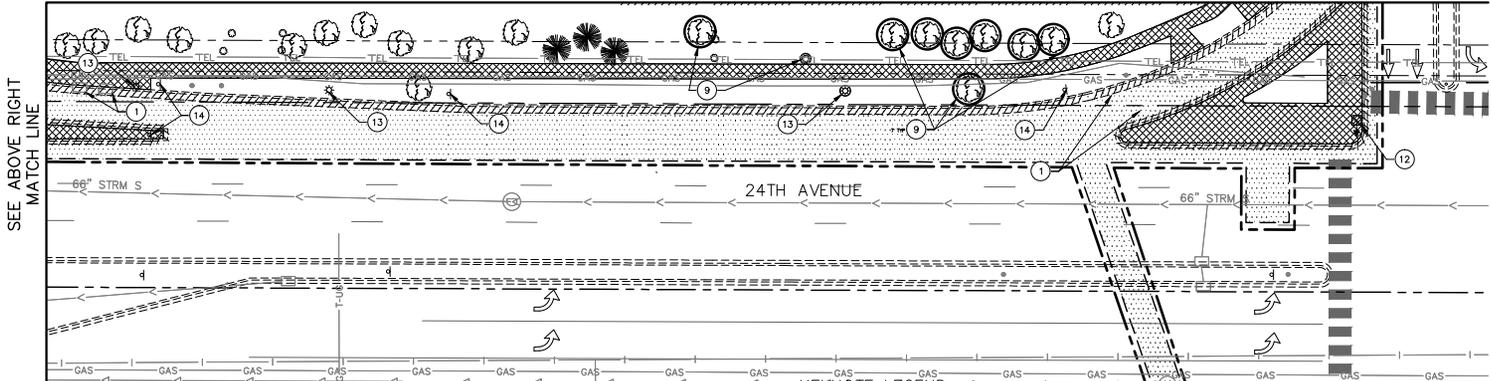
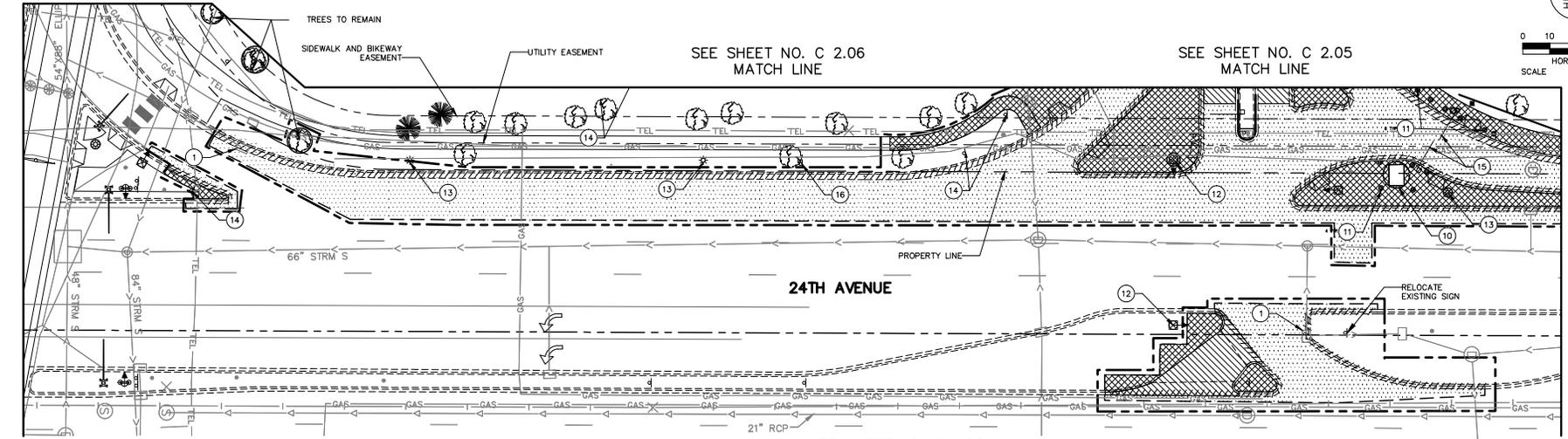
JUSTIN R. WOFFINDEN, P.E.
 MN LIC. NO. 50995

			MALL OF AMERICA TRANSIT STATION RENOVATIONS EXISTING CONDITIONS AND REMOVALS	PROJECT NO. 62317 SHEET NO. C 2.01
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SEE SHEET NO. C 2.01
MATCH LINE

SEE SHEET NO. C 2.06
MATCH LINE

SEE SHEET NO. C 2.05
MATCH LINE



KEYNOTE LEGEND

- 1 REMOVE STORM SEWER STRUCTURE
- 2 REMOVE SANITARY SEWER STRUCTURE
- 3 REMOVE BENCH
- 4 REMOVE STAIRS
- 5 REMOVE METAL SCREENING
- 6 ADJUST COVER TO NEW GRADE
- 7 REMOVE HYDRANT
- 8 REMOVE DRUM BARRIER
- 9 REMOVE TREE
- 10 REMOVE GUARD BOOTH
- 11 REMOVE BOLLARD
- 12 REMOVE AND RELOCATE TRAFFIC SIGNAL (SEE SIGNAL PLANS)
- 13 REMOVE AND RELOCATE LIGHT POLE (SEE SIGNAL PLANS)
- 14 REMOVE TRAFFIC SIGN
- 15 REMOVE SECURITY GATE
- 16 REMOVE AND RELOCATE TRAFFIC BLANKOUT SIGN
- 17 REMOVE BUS SHELTERS
- 18 REMOVE RETAINING WALL
- 19 REMOVE FENCE
- 20 REMOVE HANDRAIL

LEGEND

- REMOVE CONCRETE WALK
- REMOVE CONCRETE PAVEMENT
- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE CURB & GUTTER
- REMOVE RETAINING WALL
- REMOVE LIGHT BASE
- REMOVE BOLLARD
- CLEARING AND GRUBBING
- SAWCUT
- WORK AREA BOUNDARY
- REMOVE EXISTING UTILITY

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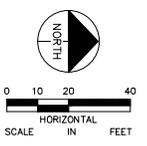
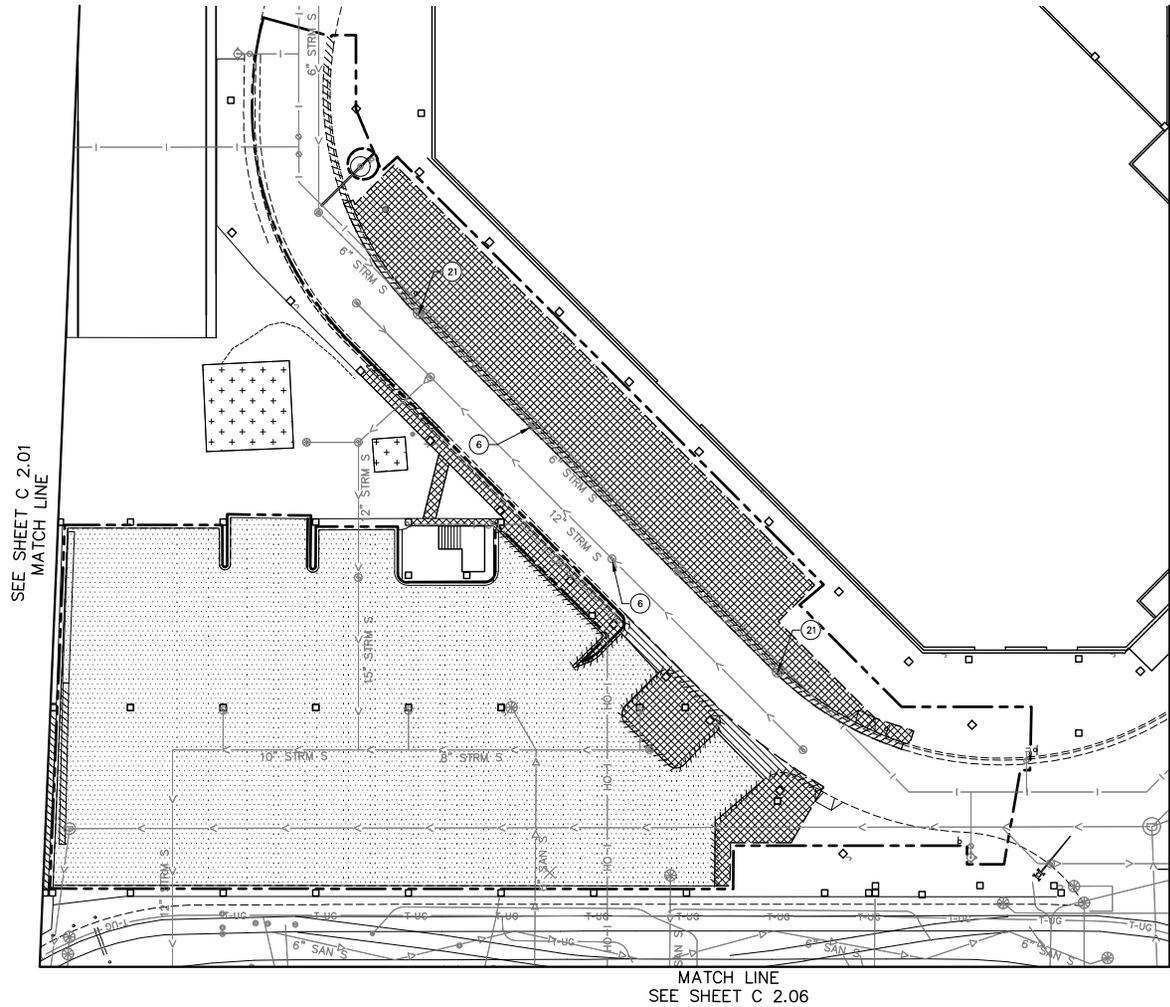
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JUSTIN R. WOFFINDEN, P.E.
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			MALL OF AMERICA TRANSIT STATION RENOVATIONS EXISTING CONDITIONS AND REMOVALS	PROJECT NO. 62317 SHEET NO. C 2.02
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KEYNOTE LEGEND

- ① REMOVE STORM SEWER STRUCTURE
- ② REMOVE SANITARY SEWER STRUCTURE
- ③ REMOVE BENCH
- ④ REMOVE STAIRS
- ⑤ REMOVE METAL SCREENING
- ⑥ ADJUST COVER TO NEW GRADE
- ⑦ REMOVE HYDRANT
- ⑧ REMOVE DRUM BARRIER
- ⑨ REMOVE TREE
- ⑩ REMOVE GUARD BOOTH
- ⑪ REMOVE BOLLARD
- ⑫ REMOVE AND RELOCATE TRAFFIC SIGNAL (SEE SIGNAL PLANS)
- ⑬ REMOVE AND RELOCATE LIGHT POLE (SEE SIGNAL PLANS)
- ⑭ REMOVE TRAFFIC SIGN
- ⑮ REMOVE SECURITY GATE
- ⑯ REMOVE AND RELOCATE TRAFFIC BLANKOUT SIGN
- ⑰ REMOVE BUS SHELTERS
- ⑱ REMOVE RETAINING WALL
- ⑲ REMOVE FENCE
- ⑳ REMOVE HANDRAIL
- ㉑ REMOVE GRATE CASTING AND REPLACE WITH SOLID MANHOLE CASTING

LEGEND

- REMOVE CONCRETE WALK
- REMOVE CONCRETE PAVEMENT
- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE CURB & GUTTER
- REMOVE RETAINING WALL
- REMOVE LIGHT BASE
- REMOVE BOLLARD
- CLEARING AND GRUBBING
- SAWCUT
- WORK AREA BOUNDARY
- REMOVE EXISTING UTILITY

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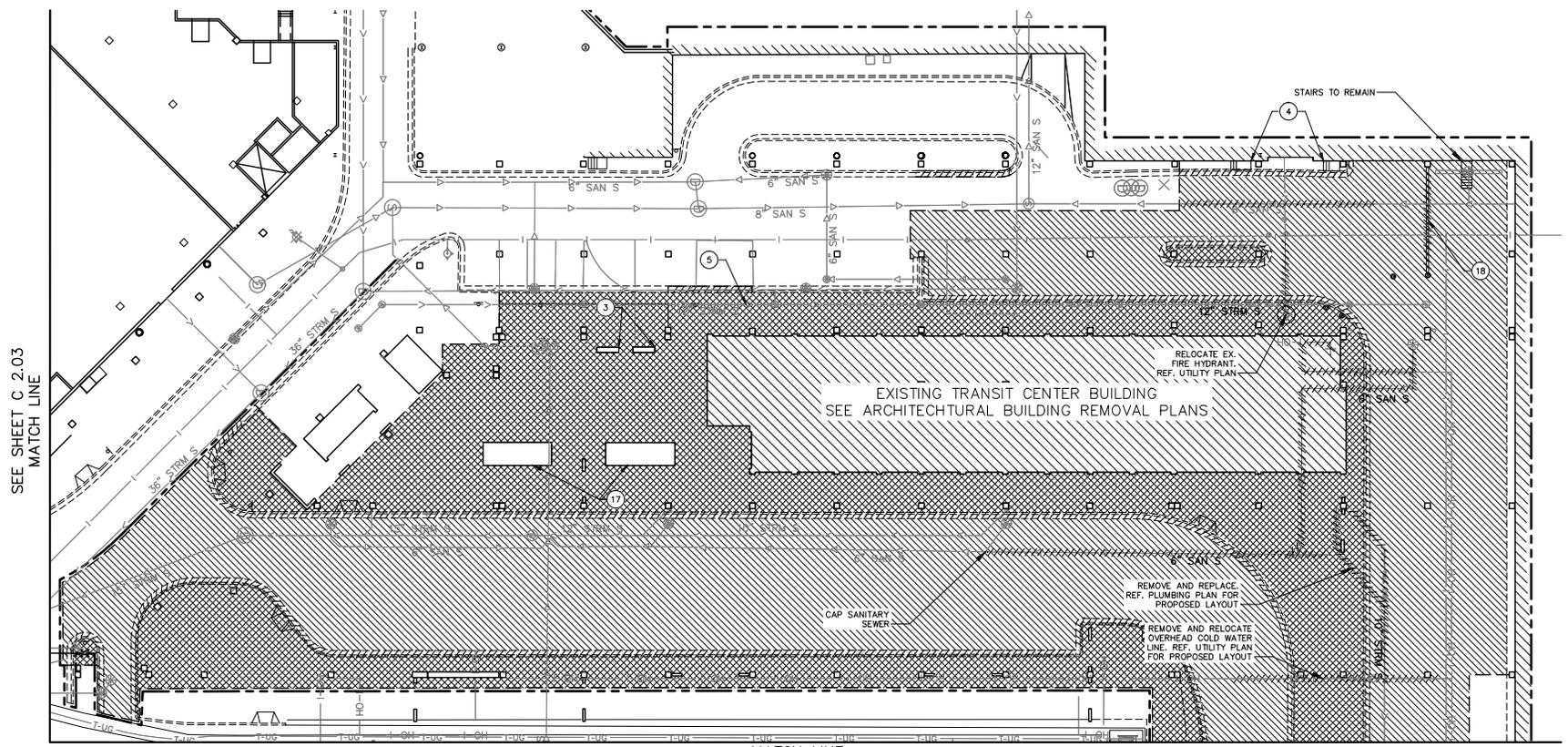
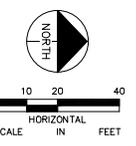
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			MALL OF AMERICA TRANSIT STATION RENOVATIONS EXISTING CONDITIONS AND REMOVALS	PROJECT NO. 62317
				SHEET NO.
			C 2.03	

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SEE SHEET C 2.03
MATCH LINE

MATCH LINE
SEE SHEET 2.05

KEYNOTE LEGEND

- | | | |
|-----------------------------------|---|-------------------------|
| ① REMOVE STORM SEWER STRUCTURE | ⑨ REMOVE TREE | ⑰ REMOVE BUS SHELTERS |
| ② REMOVE SANITARY SEWER STRUCTURE | ⑩ REMOVE GUARD BOOTH | ⑱ REMOVE RETAINING WALL |
| ③ REMOVE BENCH | ⑪ REMOVE BOLLARD | ⑲ REMOVE FENCE |
| ④ REMOVE STAIRS | ⑫ REMOVE AND RELOCATE TRAFFIC SIGNAL (SEE SIGNAL PLANS) | ⑳ REMOVE HANDRAIL |
| ⑤ REMOVE METAL SCREENING | ⑬ REMOVE AND RELOCATE LIGHT POLE (SEE SIGNAL PLANS) | |
| ⑥ ADJUST COVER TO NEW GRADE | ⑭ REMOVE TRAFFIC SIGN | |
| ⑦ REMOVE HYDRANT | ⑮ REMOVE SECURITY GATE | |
| ⑧ REMOVE DRUM BARRIER | ⑯ REMOVE AND RELOCATE TRAFFIC BLANKOUT SIGN | |

LEGEND

- REMOVE CONCRETE WALK
- REMOVE CONCRETE PAVEMENT
- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE CURB & GUTTER
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- REMOVE LIGHT BASE
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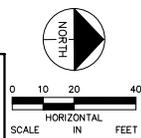
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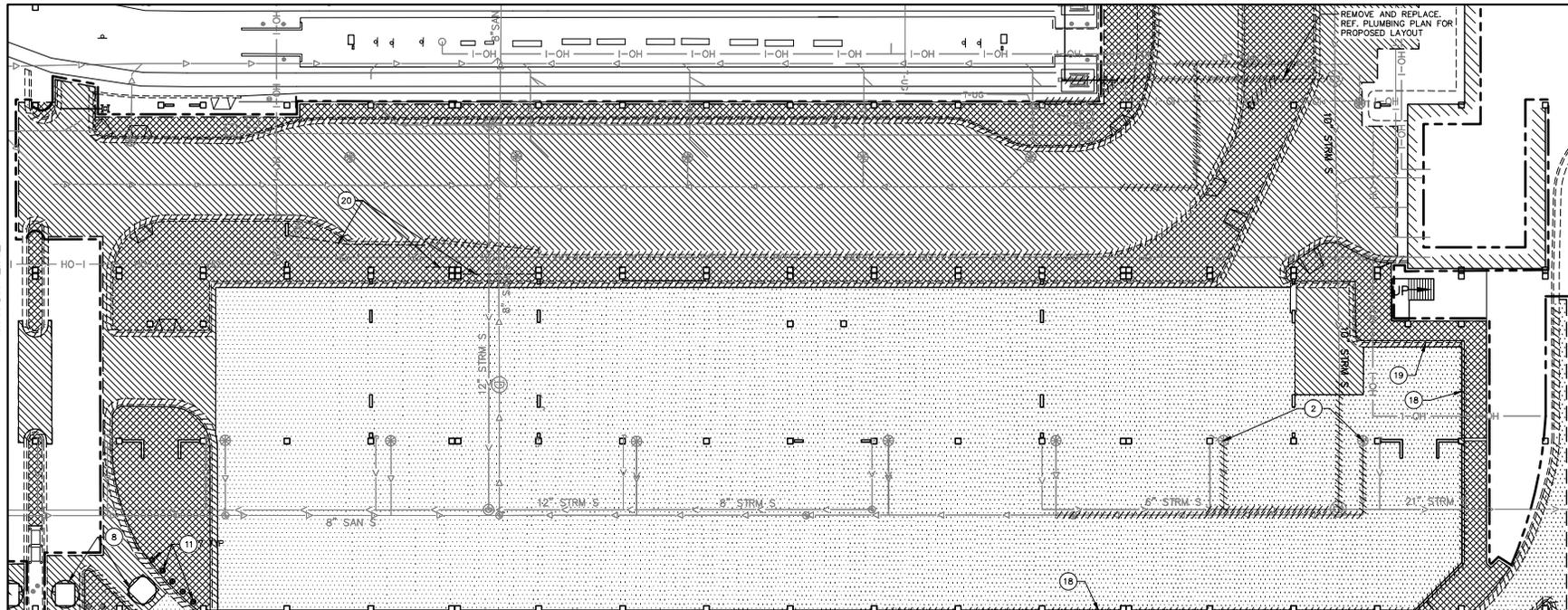
JUSTIN R. WOFFINDEN, P.E.
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			MALL OF AMERICA TRANSIT STATION RENOVATIONS EXISTING CONDITIONS AND REMOVALS	PROJECT NO. 62317 SHEET NO. C 2.04
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SEE SHEET C 2.04
MATCH LINE

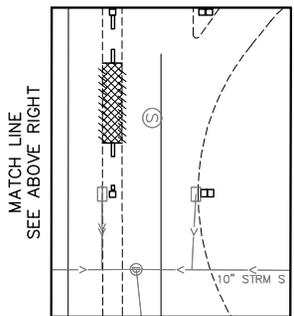


SEE SHEET C 2.06
MATCH LINE



MATCH LINE
SEE BELOW LEFT

MATCH LINE
SEE SHEET C 2.02



MATCH LINE
SEE ABOVE RIGHT

KEYNOTE LEGEND

- ① REMOVE STORM SEWER STRUCTURE
- ② REMOVE SANITARY SEWER STRUCTURE
- ③ REMOVE BENCH
- ④ REMOVE STAIRS
- ⑤ REMOVE METAL SCREENING
- ⑥ ADJUST COVER TO NEW GRADE
- ⑦ REMOVE HYDRANT
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- ⑰ REMOVE BUS SHELTERS
- ⑱ REMOVE RETAINING WALL
- ⑲ REMOVE FENCE
- ⑳ REMOVE HANDRAIL

LEGEND

- REMOVE CONCRETE WALK
- REMOVE CONCRETE PAVEMENT
- REMOVE BITUMINOUS PAVEMENT
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- REMOVE RETAINING WALL
- REMOVE LIGHT BASE
- REMOVE BOLLARD
- CLEARING AND GRUBBING
- SAWCUT
- WORK AREA BOUNDARY
- REMOVE EXISTING UTILITY

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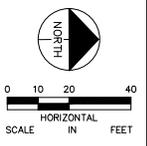
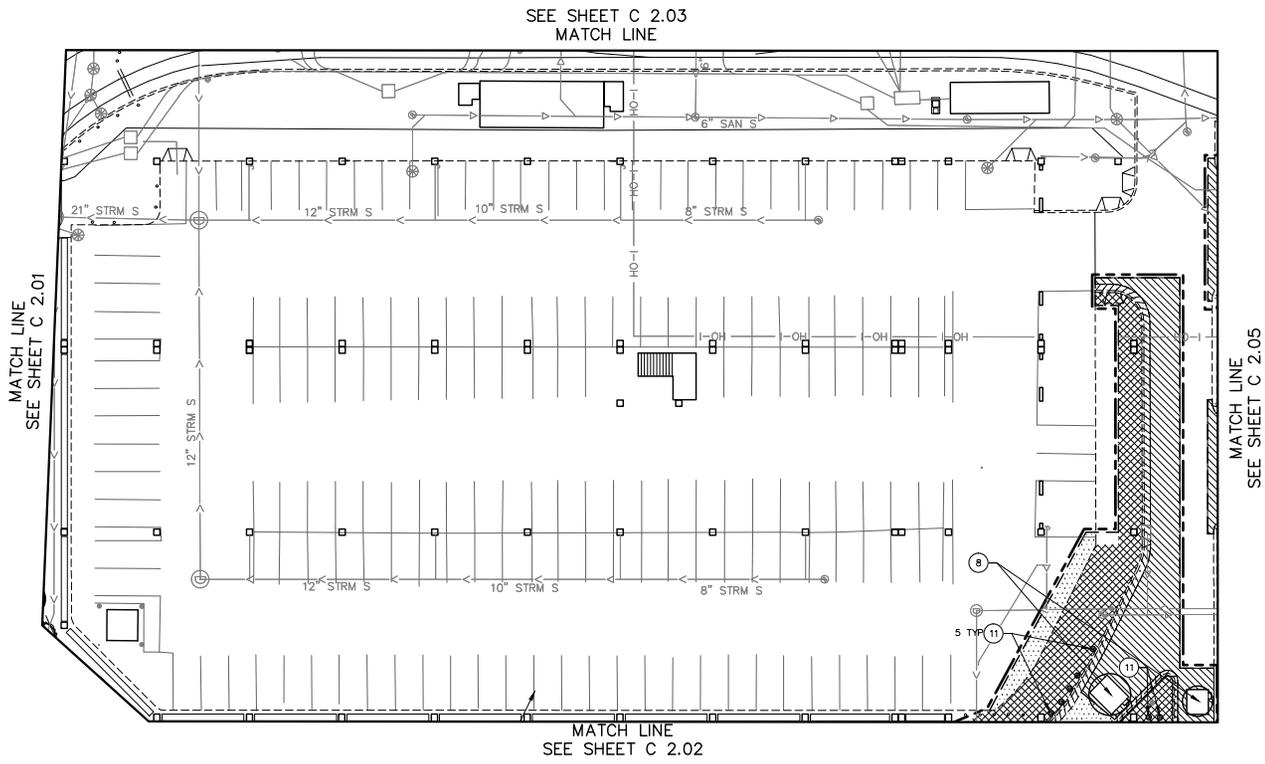


MALL OF AMERICA
TRANSIT STATION RENOVATIONS
EXISTING CONDITIONS
AND REMOVALS

PROJECT NO. 62317
SHEET NO. C 2.05

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KEYNOTE LEGEND

- | | | |
|-------------------------------------|--|----------------------------|
| (1) REMOVE STORM SEWER STRUCTURE | (9) REMOVE TREE | (17) REMOVE BUS SHELTERS |
| (2) REMOVE SANITARY SEWER STRUCTURE | (10) REMOVE GUARD BOOTH | (18) REMOVE RETAINING WALL |
| (3) REMOVE BENCH | (11) REMOVE BOLLARD | (19) REMOVE FENCE |
| (4) REMOVE STAIRS | (12) REMOVE AND RELOCATE TRAFFIC SIGNAL (SEE SIGNAL PLANS) | (20) REMOVE HANDRAIL |
| (5) REMOVE METAL SCREENING | (13) REMOVE AND RELOCATE LIGHT POLE (SEE SIGNAL PLANS) | |
| (6) ADJUST COVER TO NEW GRADE | (14) REMOVE TRAFFIC SIGN | |
| (7) REMOVE HYDRANT | (15) REMOVE SECURITY GATE | |
| (8) REMOVE DRUM BARRIER | (16) REMOVE AND RELOCATE TRAFFIC BLANKOUT SIGN | |

LEGEND

- | | |
|--|-------------------------------|
| | REMOVE CONCRETE WALK |
| | REMOVE CONCRETE PAVEMENT |
| | REMOVE BITUMINOUS PAVEMENT |
| | REMOVE CONCRETE CURB & GUTTER |
| | REMOVE RETAINING WALL |
| | REMOVE LIGHT BASE |
| | REMOVE BOLLARD |
| | CLEARING AND GRUBBING |
| | SAWCUT |
| | WORK AREA BOUNDARY |
| | REMOVE EXISTING UTILITY |

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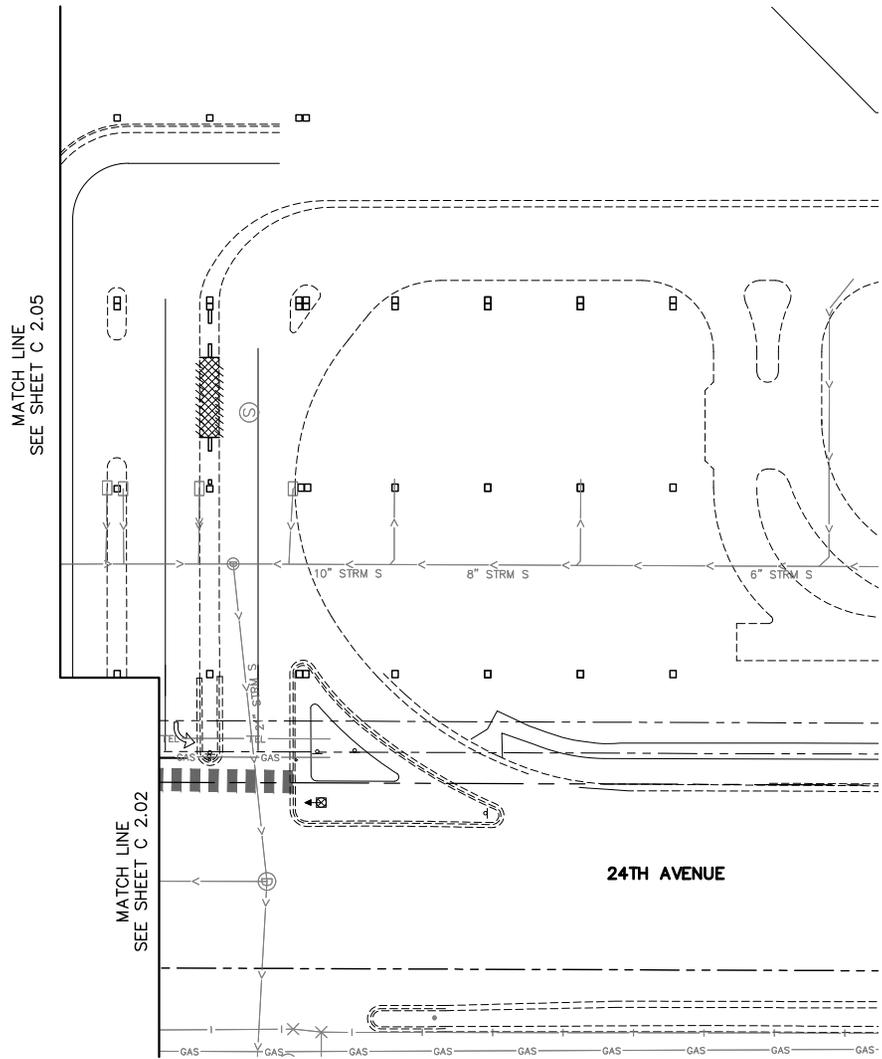
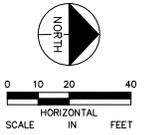
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MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
**EXISTING CONDITIONS
 AND REMOVALS**

PROJECT NO. 62317
 SHEET NO. **C 2.06**

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KEYNOTE LEGEND

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- ② REMOVE SANITARY SEWER STRUCTURE
- ③ REMOVE BENCH
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LEGEND

- REMOVE CONCRETE WALK
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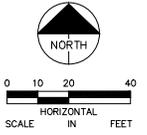
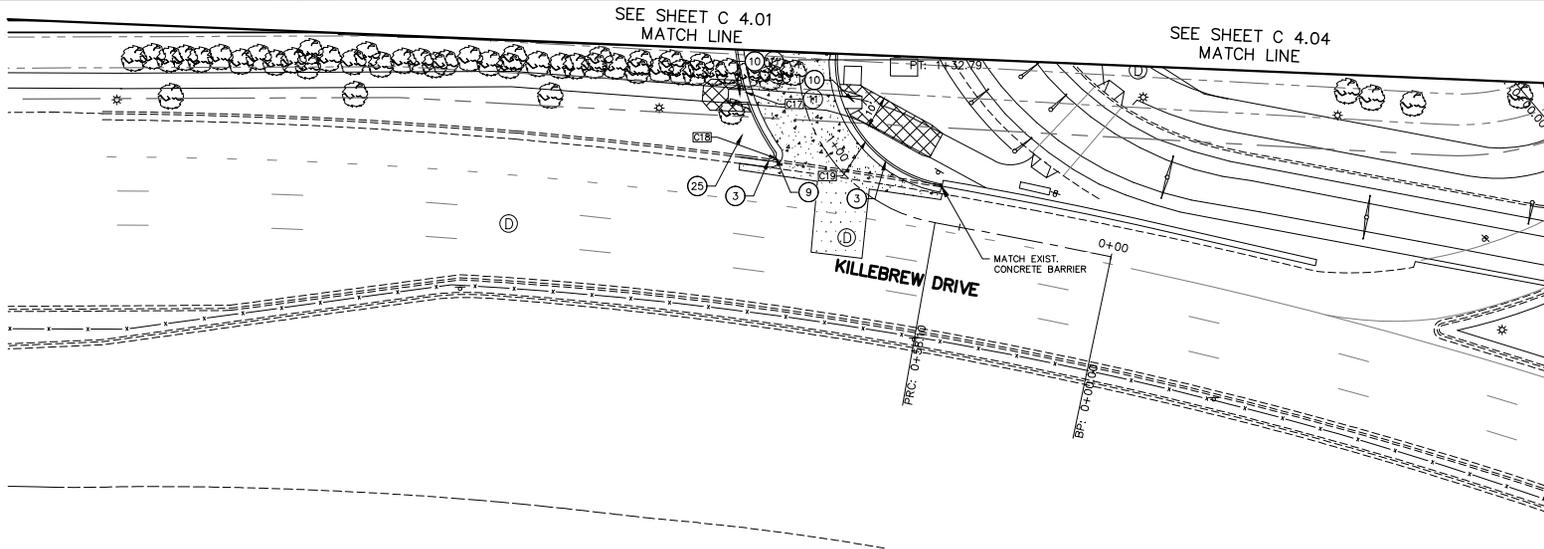
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DRAWN BY: JS	
CHECKED BY: JRW	
DATE: 06/29/2016	
JUSTIN R. WOFFINDEN, P.E. DATE: _____ MN LIC. NO. 50995	



**MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 EXISTING CONDITIONS
 AND REMOVALS**

PROJECT NO. 62317
SHEET NO. C 2.07

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KEYNOTE LEGEND

- | | | | | |
|---------------------------------|---------------------------------|-----------------------------------|---|--|
| ① B612 STANDARD CURB AND GUTTER | ⑥ MOUNTABLE CURB AND GUTTER | ⑪ TYPICAL SIDEWALK INSTALLATION | ⑮ 8 INCH CONCRETE PAVEMENT OVER 4 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL | ⑳ SECURITY BOOTH |
| ② B618 STANDARD CURB AND GUTTER | ⑦ "BR" CURB AND GUTTER | ⑫ B6 CONCRETE CURB | ⑯ 1.5 INCH BITUMINOUS PAVEMENT OVER 8 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL | ㉑ CONCRETE BARRIER, MNDOT DESIGN 8308 |
| ③ B624 STANDARD CURB AND GUTTER | ⑧ VALLEY GUTTER AT INTERSECTION | ⑬ HANDICAP PARKING DETAIL | ⑰ K4 STEEL PLATE CRASH BEAM BARRIER | ㉒ SECURITY SCREEN WALL (SEE ARCHITECTURAL PLANS) |
| ④ 2' CONCRETE VALLEY GUTTER | ⑨ STANDARD DRIVEWAY CURB | ⑭ 90 PARKING STALL DETAIL | ⑱ CARD READER | ㉓ SECURITY ACCESS GATE |
| ⑤ MEDIAN NOSE DETAIL | ⑩ STANDARD SIDEWALK RAMP | ⑰ TYPICAL CROSS HATCHING MARKINGS | ㉔ BOLLARD (TYP) | ㉔ OVERHEAD SIGN (SEE SIGN DETAILS) |

LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED COLORED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED BARRIER WALL
- PROPOSED LIGHT POLE
- PROPOSED CURB AND GUTTER
- PROPOSED ACCESS GATE
- EXISTING CENTERLINE

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MALL OF AMERICA
TRANSIT STATION RENOVATIONS
SITE PLAN
TRANSIT STATION

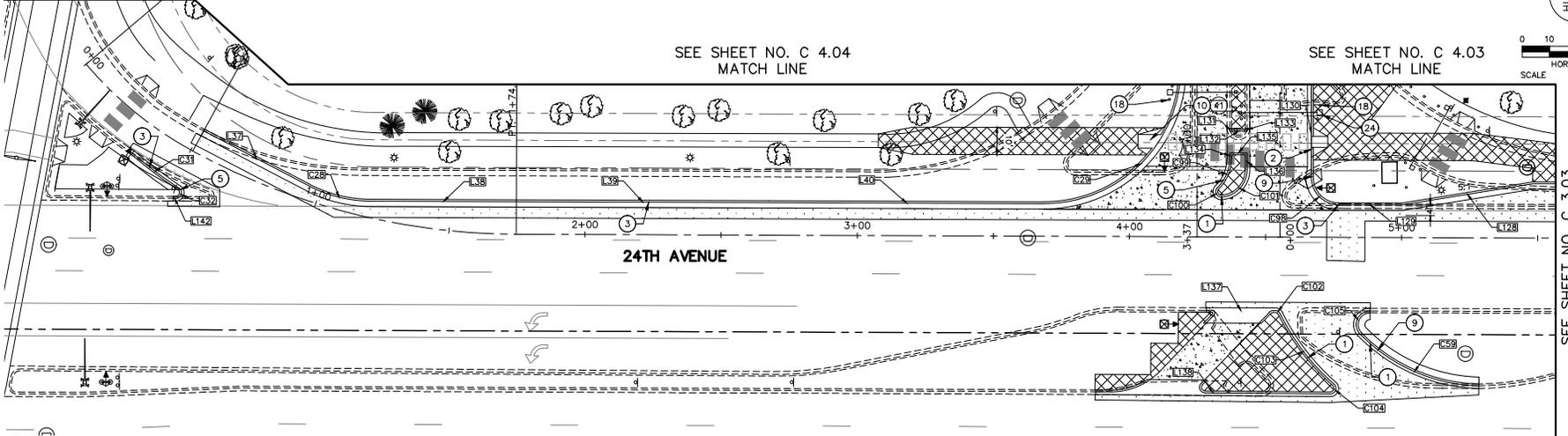
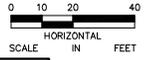
PROJECT NO. 62317
SHEET NO. C 3.01

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SEE SHEET NO. C 3.01
MATCH LINE

SEE SHEET NO. C 4.04
MATCH LINE

SEE SHEET NO. C 4.03
MATCH LINE



SEE SHEET NO. C 3.03
MATCH LINE

KEYNOTE LEGEND

- | | | | | |
|---------------------------------|---------------------------------|-----------------------------------|---|--|
| ① B612 STANDARD CURB AND GUTTER | ⑥ MOUNTABLE CURB AND GUTTER | ⑪ TYPICAL SIDEWALK INSTALLATION | ⑮ 8 INCH CONCRETE PAVEMENT OVER 4 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL | ⑳ SECURITY BOOTH |
| ② B618 STANDARD CURB AND GUTTER | ⑦ "BR" CURB AND GUTTER | ⑫ B6 CONCRETE CURB | ⑯ 1.5 INCH BITUMINOUS PAVEMENT OVER 8 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL | ㉑ CONCRETE BARRIER, MNDOT DESIGN 8308 |
| ③ B624 STANDARD CURB AND GUTTER | ⑧ VALLEY GUTTER AT INTERSECTION | ⑬ HANDICAP PARKING DETAIL | ⑰ K4 STEEL PLATE CRASH BEAM BARRIER | ㉒ SECURITY SCREEN WALL (SEE ARCHITECTURAL PLANS) |
| ④ 2' CONCRETE VALLEY GUTTER | ⑨ STANDARD DRIVEWAY CURB | ⑭ 90 PARKING STALL DETAIL | ⑱ CARD READER | ㉓ SECURITY ACCESS GATE |
| ⑤ MEDIAN NOSE DETAIL | ⑩ STANDARD SIDEWALK RAMP | ⑰ TYPICAL CROSS HATCHING MARKINGS | ㉔ BOLLARD (TYP) | ㉕ OVERHEAD SIGN (SEE SIGN DETAILS) |

LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED COLORED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED BARRIER WALL
- PROPOSED LIGHT POLE
- PROPOSED CURB AND GUTTER
- PROPOSED ACCESS GATE
- EXISTING CENTERLINE

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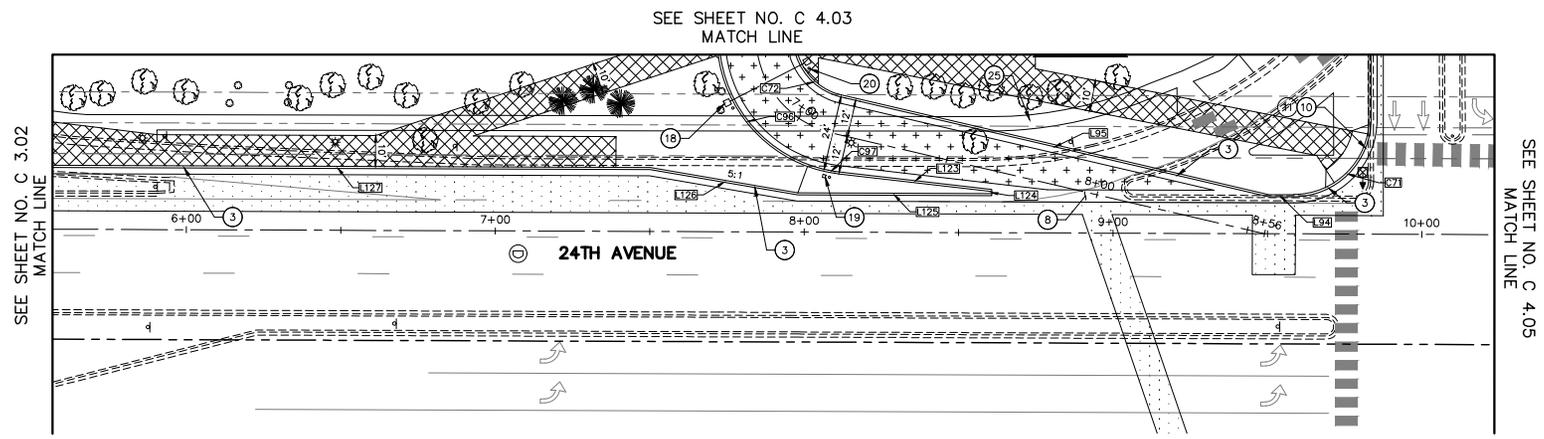
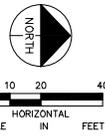
JUSTIN R. WOFFINDEN, P.E.
 MN LIC. NO. 50995



MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 SITE PLAN
 TRANSIT STATION

PROJECT NO.
62317
 SHEET NO.
C 3.02

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KEYNOTE LEGEND

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| ④ 2' CONCRETE VALLEY GUTTER | ⑨ STANDARD DRIVEWAY CURB | ⑭ 90 PARKING STALL DETAIL | ⑱ CARD READER | ㉓ SECURITY ACCESS GATE |
| ⑤ MEDIAN NOSE DETAIL | ⑩ STANDARD SIDEWALK RAMP | ⑰ TYPICAL CROSS HATCHING MARKINGS | ㉔ BOLLARD (TYP) | ㉕ OVERHEAD SIGN (SEE SIGN DETAILS) |

LEGEND

- | | |
|--|------------------------------------|
| | PROPOSED BITUMINOUS PAVEMENT |
| | PROPOSED CONCRETE PAVEMENT |
| | PROPOSED COLORED CONCRETE PAVEMENT |
| | PROPOSED SIDEWALK |
| | PROPOSED BARRIER WALL |
| | PROPOSED LIGHT POLE |
| | PROPOSED CURB AND GUTTER |
| | PROPOSED ACCESS GATE |
| | EXISTING CENTERLINE |

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Kimley Horn

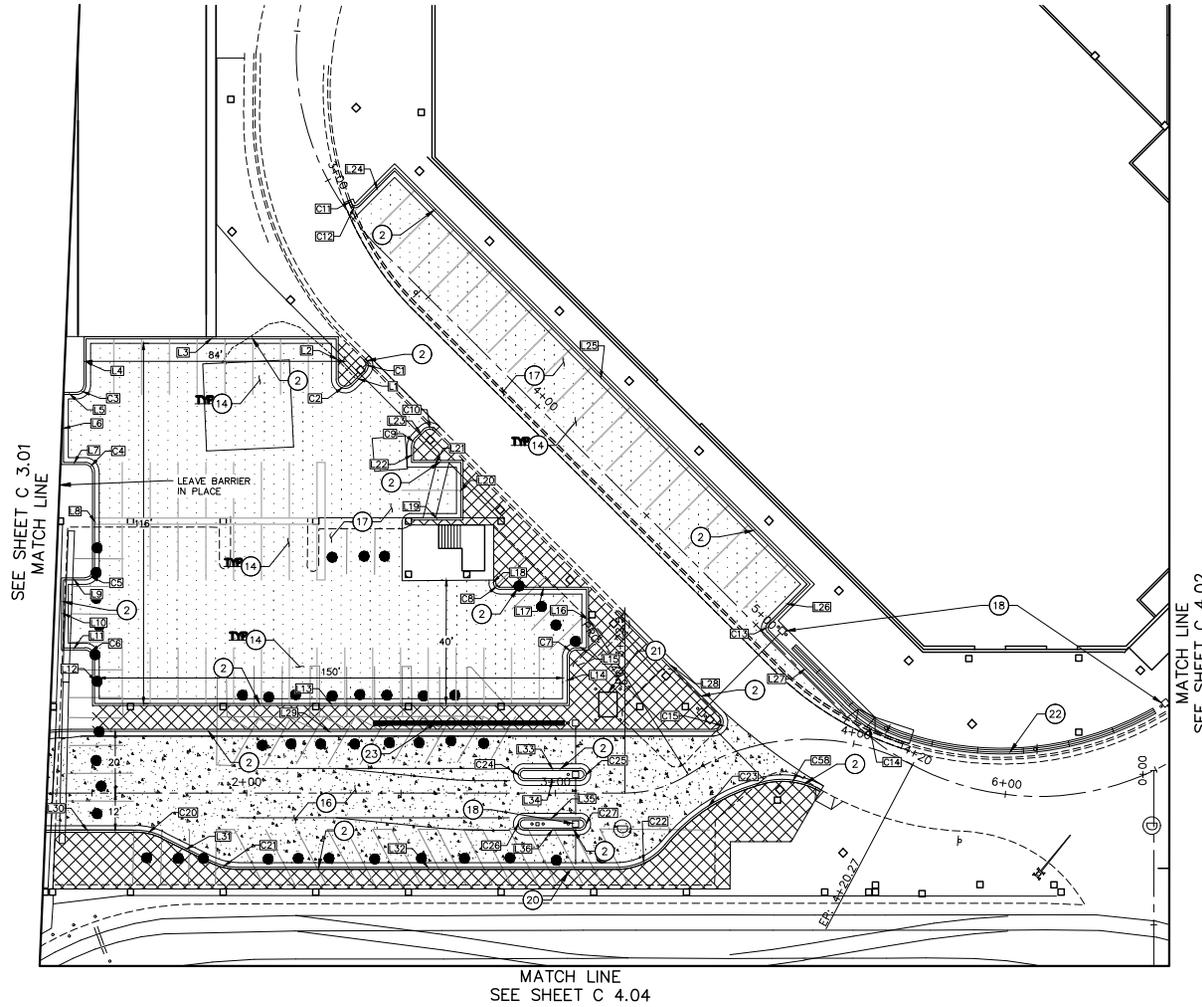
CITY OF BLOOMINGTON MINNESOTA

METROPOLITAN COUNCIL

MALL OF AMERICA
TRANSIT STATION RENOVATIONS
SITE PLAN
TRANSIT STATION

PROJECT NO. 62317
SHEET NO. C 3.03

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KEYNOTE LEGEND

- ① B612 STANDARD CURB AND GUTTER
- ② B618 STANDARD CURB AND GUTTER
- ③ B624 STANDARD CURB AND GUTTER
- ④ 2' CONCRETE VALLEY GUTTER
- ⑤ MEDIAN NOSE DETAIL
- ⑥ MOUNTABLE CURB AND GUTTER
- ⑦ "BR" CURB AND GUTTER
- ⑧ VALLEY GUTTER AT INTERSECTION
- ⑨ STANDARD DRIVEWAY CURB
- ⑩ STANDARD SIDEWALK RAMP
- ⑪ TYPICAL SIDEWALK INSTALLATION
- ⑫ B6 CONCRETE CURB
- ⑬ HANDICAP PARKING DETAIL
- ⑭ 90° PARKING STALL DETAIL
- ⑮ TYPICAL CROSS HATCHING MARKINGS
- ⑯ 8 INCH CONCRETE PAVEMENT OVER 4 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL
- ⑰ 3 INCH BITUMINOUS PAVEMENT OVER 8 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL
- ⑱ K4 STEEL PLATE CRASH BEAM BARRIER
- ⑲ CARD READER
- ⑳ BOLLARD (TYP)
- ㉑ SECURITY BOOTH
- ㉒ CONCRETE BARRIER
- ㉓ SECURITY SCREEN WALL (SEE ARCHITECTURAL PLANS)

LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED COLORED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED BARRIER WALL
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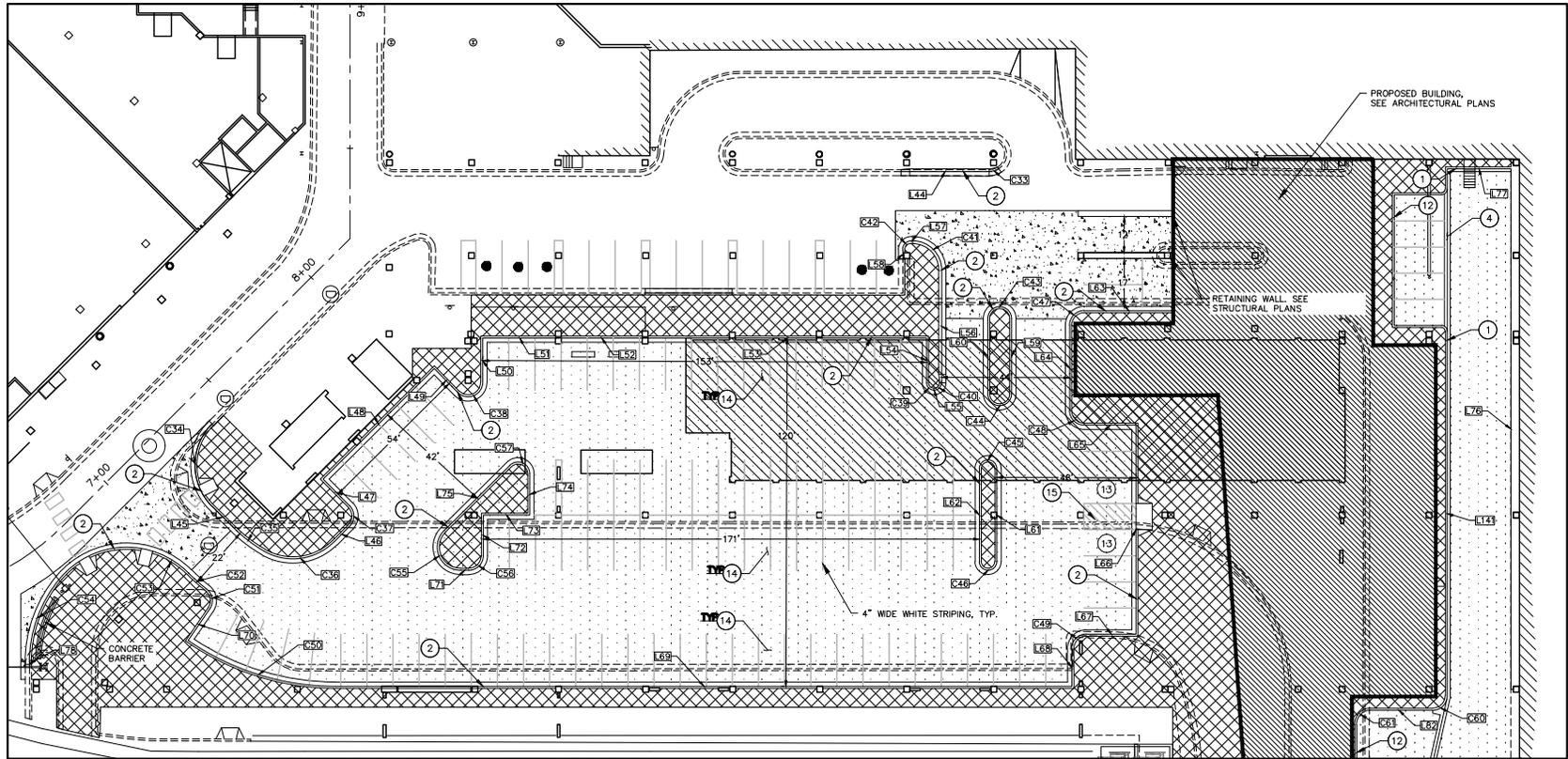
JUSTIN R. WOFFINDEN, P.E.
 MN LIC. NO. 50995

MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
SITE PLAN
 TRANSIT STATION

PROJECT NO.	62317
SHEET NO.	C 4.01

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MATCH LINE
SEE SHEET 4.03

KEYNOTE LEGEND

- | | | | | |
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LEGEND

- | | |
|--|------------------------------------|
| | PROPOSED BITUMINOUS PAVEMENT |
| | PROPOSED CONCRETE PAVEMENT |
| | PROPOSED COLORED CONCRETE PAVEMENT |
| | PROPOSED SIDEWALK |
| | PROPOSED BARRIER WALL |
| | PROPOSED LIGHT POLE |
| | PROPOSED CURB AND GUTTER |
| | PROPOSED ACCESS GATE |
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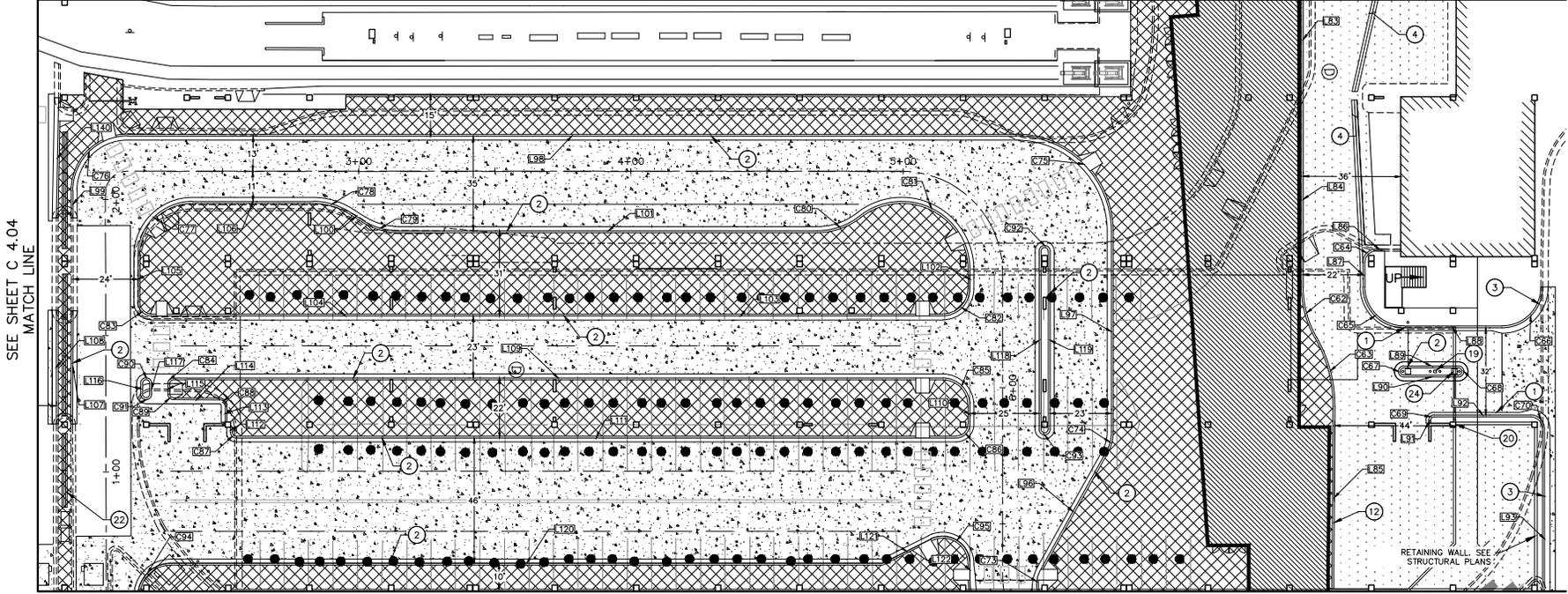
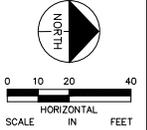
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		MN LIC. NO. 50995



MALL OF AMERICA
TRANSIT STATION RENOVATIONS
SITE PLAN
TRANSIT STATION

PROJECT NO.	62317
SHEET NO.	C 4.02

SEE SHEET C 4.02
MATCH LINE



SEE SHEET C 4.04
MATCH LINE

MATCH LINE
SEE SHEET C 3.02

MATCH LINE
SEE SHEET C 3.03

KEYNOTE LEGEND

- | | | | | |
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| ⑤ MEDIAN NOSE DETAIL | ⑩ STANDARD SIDEWALK RAMP | ⑰ TYPICAL CROSS HATCHING MARKINGS | ㉔ BOLLARD (TYP) | ㉕ OVERHEAD SIGN (SEE SIGN DETAILS) |

LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED COLORED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED BARRIER WALL
- PROPOSED LIGHT POLE
- PROPOSED CURB AND GUTTER
- PROPOSED ACCESS GATE
- EXISTING CENTERLINE

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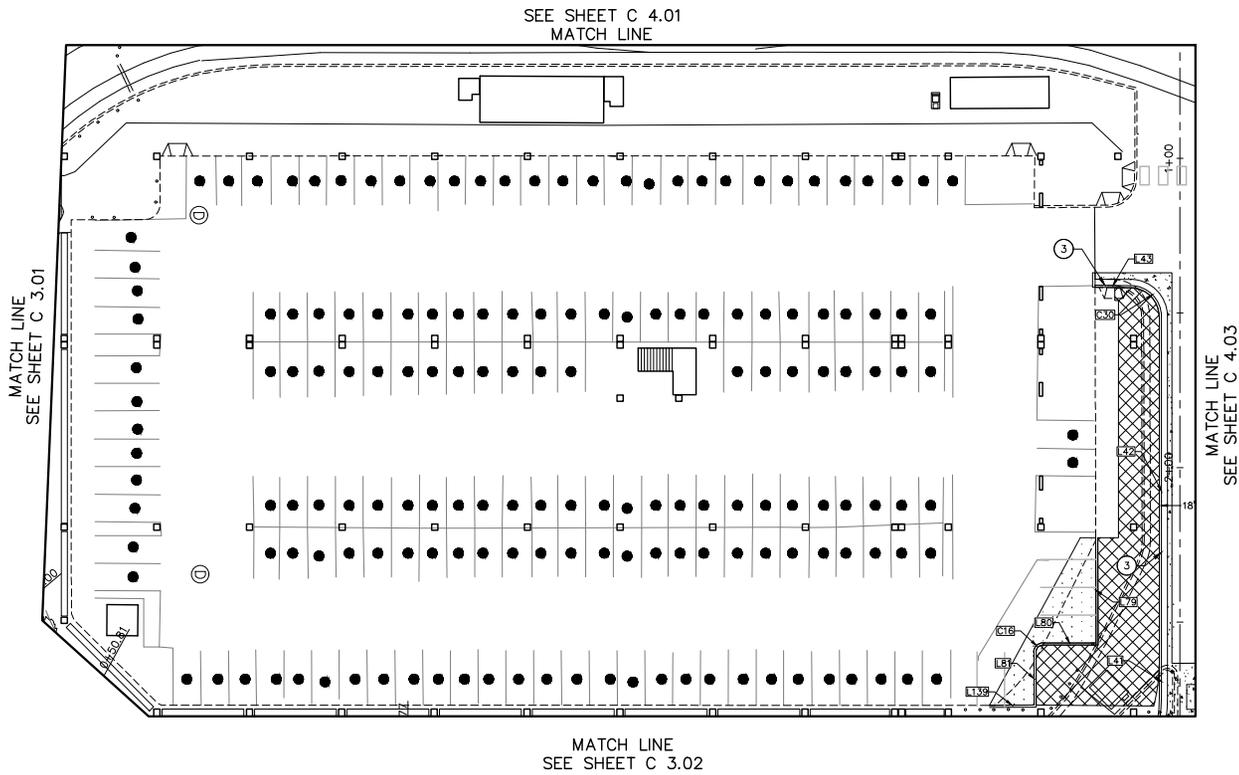
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LEGEND

- | | |
|--|------------------------------------|
| | PROPOSED BITUMINOUS PAVEMENT |
| | PROPOSED CONCRETE PAVEMENT |
| | PROPOSED COLORED CONCRETE PAVEMENT |
| | PROPOSED SIDEWALK |
| | PROPOSED BARRIER WALL |
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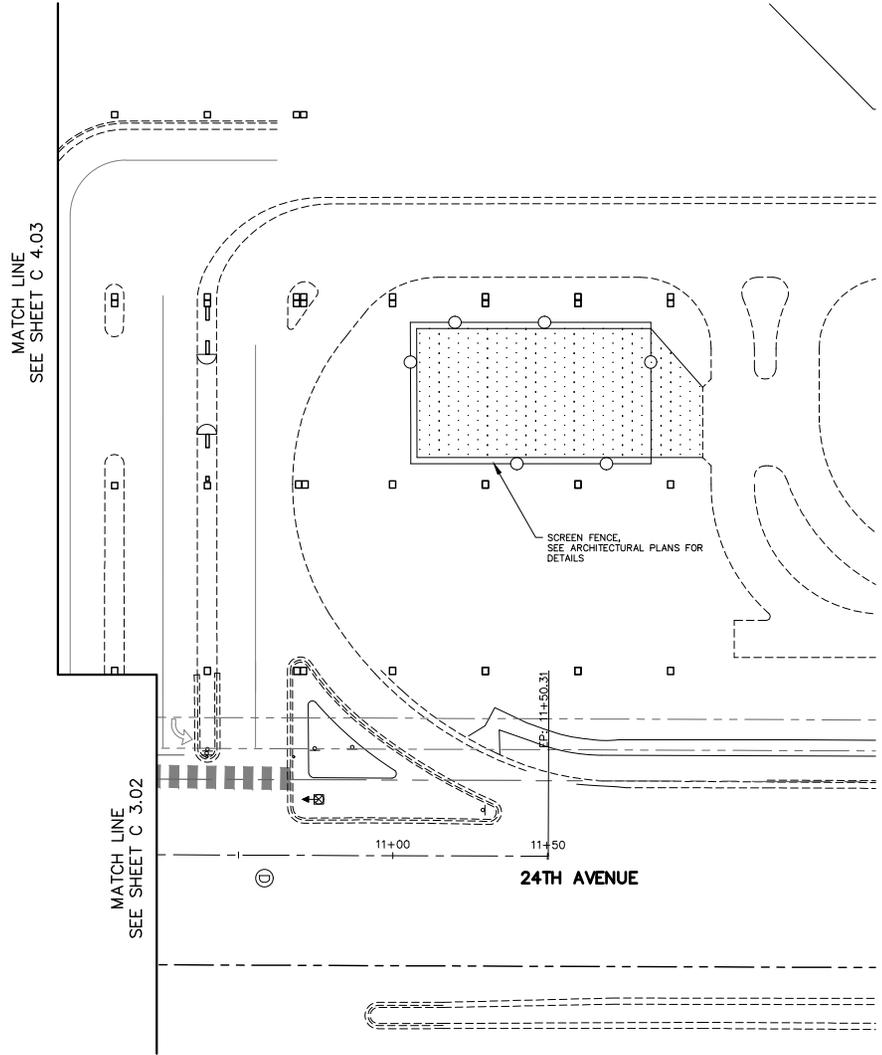
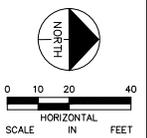
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MALL OF AMERICA
TRANSIT STATION RENOVATIONS
SITE PLAN
TRANSIT STATION

PROJECT NO. 62317
SHEET NO. C 4.04

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KEYNOTE LEGEND

- ① B612 STANDARD CURB AND GUTTER
- ② B618 STANDARD CURB AND GUTTER
- ③ B624 STANDARD CURB AND GUTTER
- ④ 2' CONCRETE VALLEY GUTTER
- ⑤ MEDIAN NOSE DETAIL
- ⑥ MOUNTABLE CURB AND GUTTER
- ⑦ "BR" CURB AND GUTTER
- ⑧ VALLEY GUTTER AT INTERSECTION
- ⑨ STANDARD DRIVEWAY CURB
- ⑩ STANDARD SIDEWALK RAMP
- ⑪ TYPICAL SIDEWALK INSTALLATION
- ⑫ B6 CONCRETE CURB
- ⑬ HANDICAP PARKING DETAIL
- ⑭ 90 PARKING STALL DETAIL
- ⑮ TYPICAL CROSS HATCHING MARKINGS
- ⑯ 8 INCH CONCRETE PAVEMENT OVER 4 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL
- ⑰ 3 INCH BITUMINOUS PAVEMENT OVER 8 INCHES OF CLASS 5 AGGREGATE BASE MATERIAL
- ⑱ K4 STEEL PLATE CRASH BEAM BARRIER
- ⑲ CARD READER
- ⑳ BOLLARD (TYP)
- ㉑ SECURITY BOOTH
- ㉒ CONCRETE BARRIER
- ㉓ SECURITY SCREEN WALL (SEE ARCHITECTURAL PLANS)

LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED COLORED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED BARRIER WALL
- PROPOSED LIGHT POLE
- PROPOSED CURB AND GUTTER
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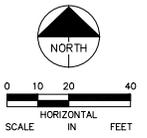
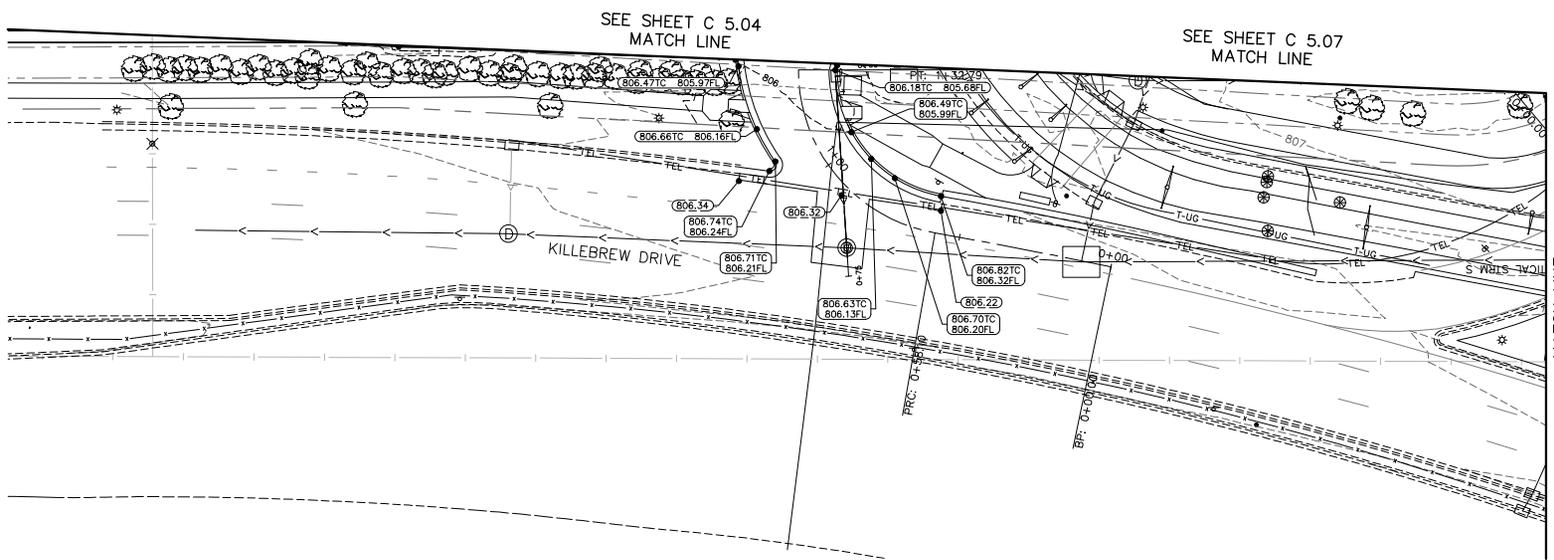
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MATCH LINE
SEE SHEET C 5.02

SEE SHEET C 5.04
MATCH LINE

SEE SHEET C 5.07
MATCH LINE

WARNING:

1. THE EXISTING WALL OF AMERICA PARKING GARAGE FOOTINGS ARE DESIGNED FOR A SOIL BEARING PRESSURE OF 12,000 POUNDS PER SQUARE FOOT.
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LEGEND

- (805.65) EXISTING ELEVATION
- (806.53) PROPOSED ELEVATION
- 833- EXISTING CONTOUR
- 833- PROPOSED CONTOUR
- - - - PROPOSED DRAINAGE DIVIDE

DRAFT FOR REVIEW - NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION OF REVISIONS	APP.

DESIGNED BY:	RQ	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.
DRAWN BY:	JS	
CHECKED BY:	JRW	
DATE:	06/29/2016	

Kimley Horn

CITY OF BLOOMINGTON MINNESOTA

METROPOLITAN CONSULTANTS & ENGINEERS

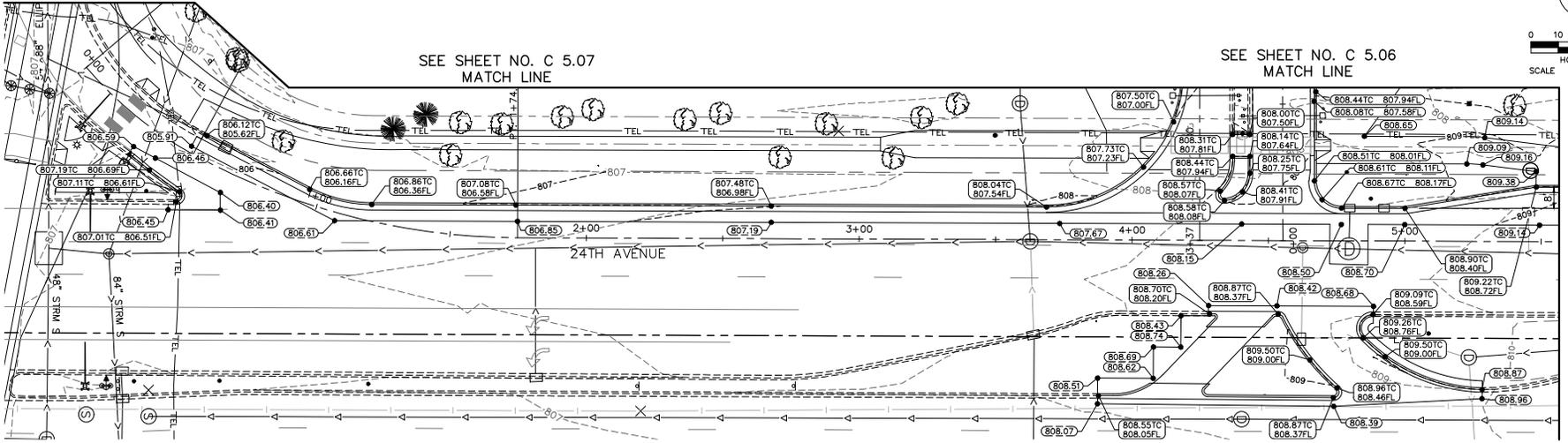
MALL OF AMERICA TRANSIT STATION RENOVATIONS GRADING AND DRAINAGE KILLEBREW DRIVE

PROJECT NO.	62317
SHEET NO.	C 5.01

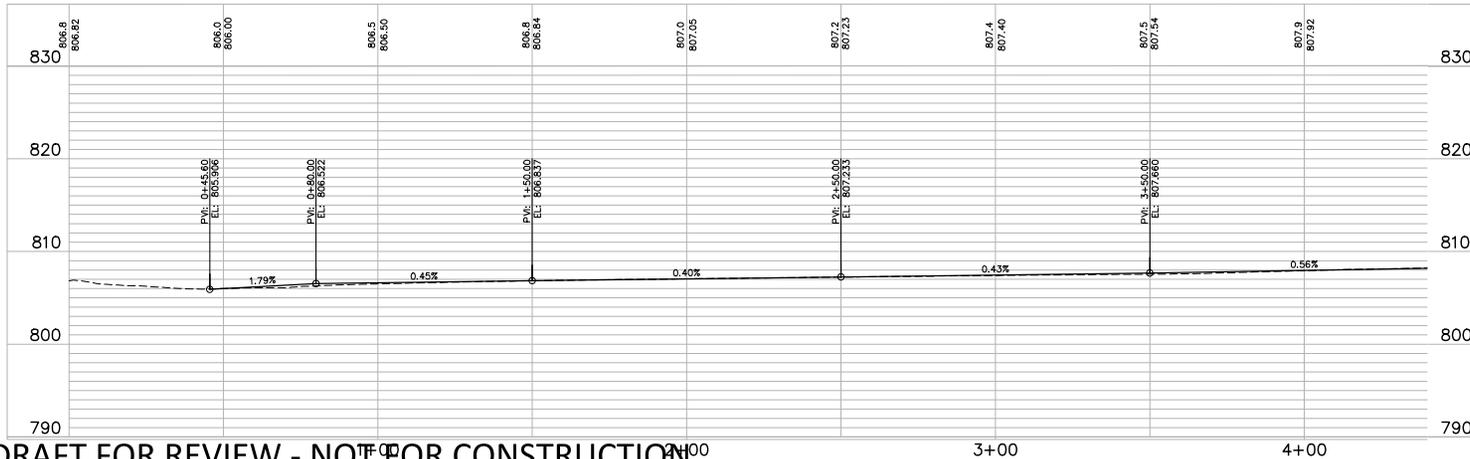
SEE SHEET NO. C 5.01
MATCH LINE

SEE SHEET NO. C 5.07
MATCH LINE

SEE SHEET NO. C 5.06
MATCH LINE



SEE SHEET NO. C 5.03
MATCH LINE



WARNING:

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LEGEND

- EXISTING ELEVATION
- PROPOSED ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE DIVIDE

DRAFT FOR REVIEW - NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION OF REVISIONS	APP.

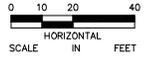
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DRAWN BY:	JS	
CHECKED BY:	JRW	
DATE:	06/29/2016	DATE: 06/29/2016 MUN. LIC. NO. 50995
		JUSTIN R. WOFFINDEN, P.E.



MALL OF AMERICA
TRANSIT STATION RENOVATIONS
GRADING AND DRAINAGE
24TH AVENUE SOUTH

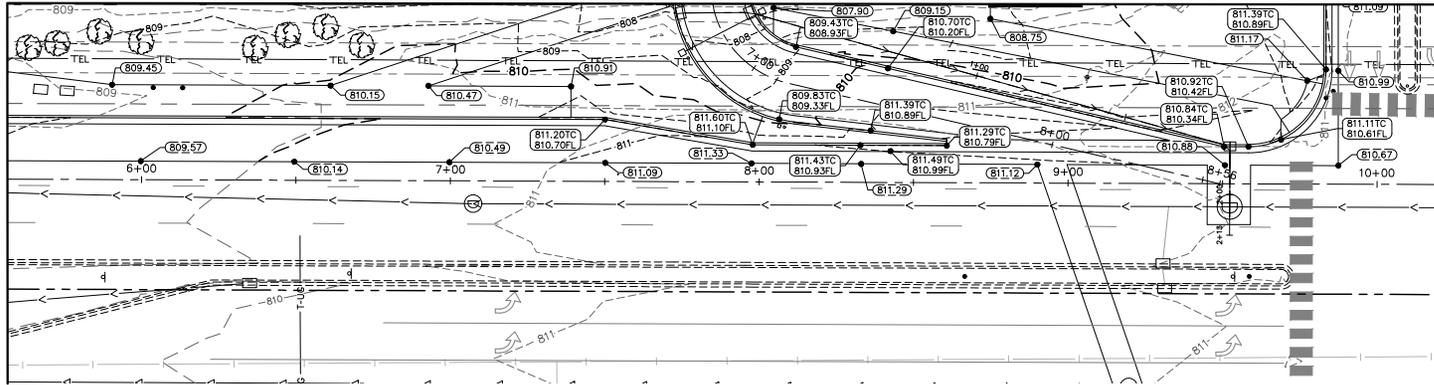
PROJECT NO.	62317
SHEET NO.	C 5.02

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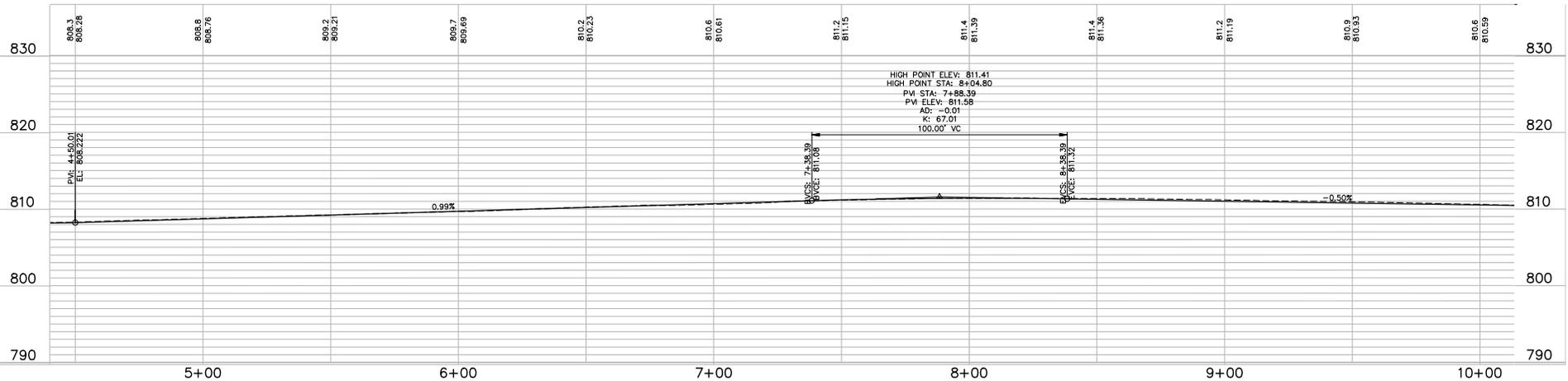
SEE SHEET NO. C 5.06
MATCH LINE

SEE SHEET NO. C 5.02
MATCH LINE



LEGEND

- EXISTING ELEVATION
- PROPOSED ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE DIVIDE



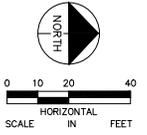
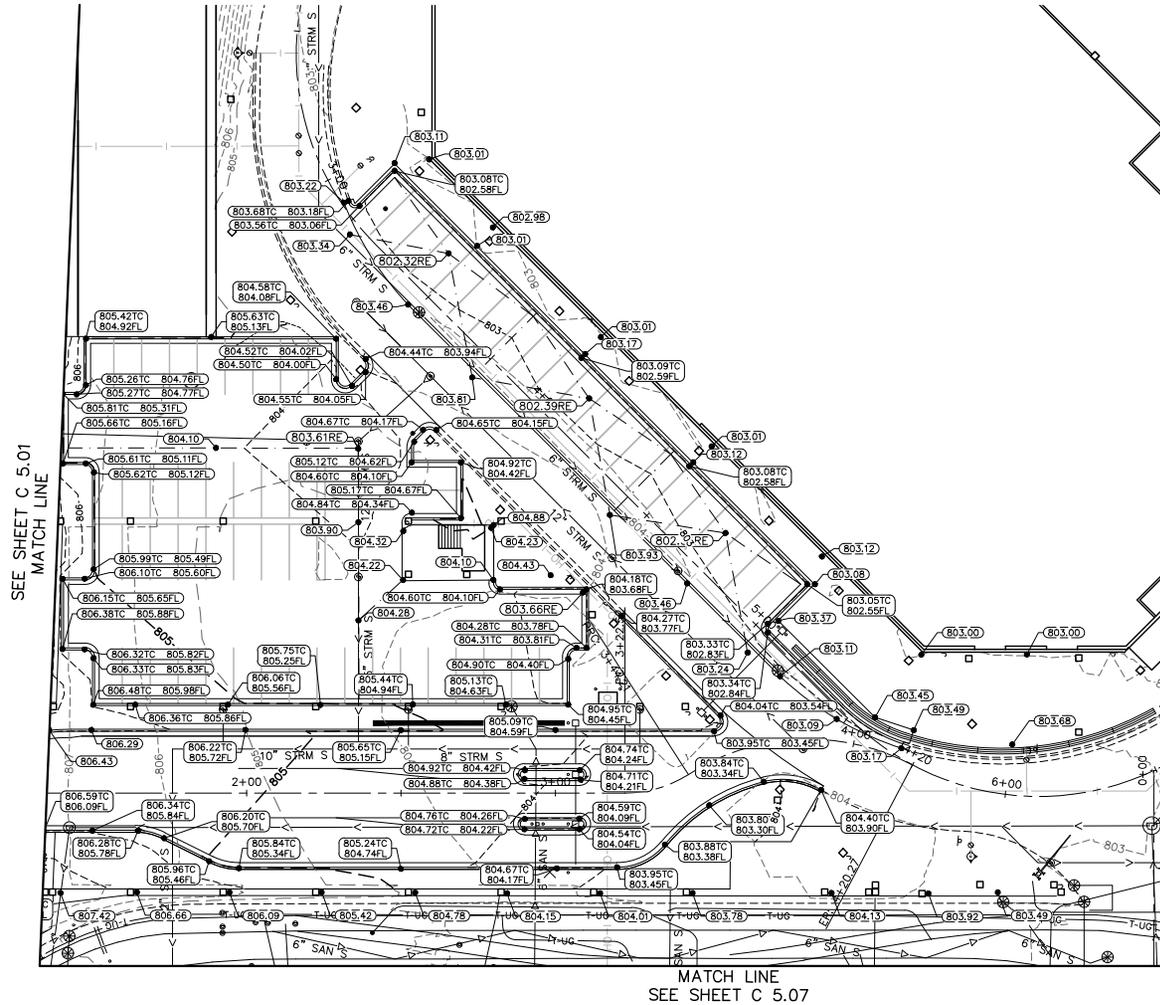
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DRAWN BY:	JS	
CHECKED BY:	JRW	
DATE:	06/29/2016	
DESIGNED BY:	JUSTIN R. WOFFINDEN, P.E.	MN LIC. NO. 50995

			MALL OF AMERICA TRANSIT STATION RENOVATIONS GRADING AND DRAINAGE 24TH AVENUE SOUTH	PROJECT NO.
				62317
SHEET NO.				C 5.03

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SEE SHEET C 5.01
MATCH LINE

MATCH LINE
SEE SHEET C 5.05

MATCH LINE
SEE SHEET C 5.07

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LEGEND

- (805.69) EXISTING ELEVATION
- (806.53) PROPOSED ELEVATION
- 833- EXISTING CONTOUR
- 833- PROPOSED CONTOUR
- - - - - PROPOSED DRAINAGE DIVIDE

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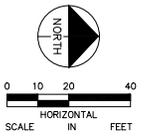
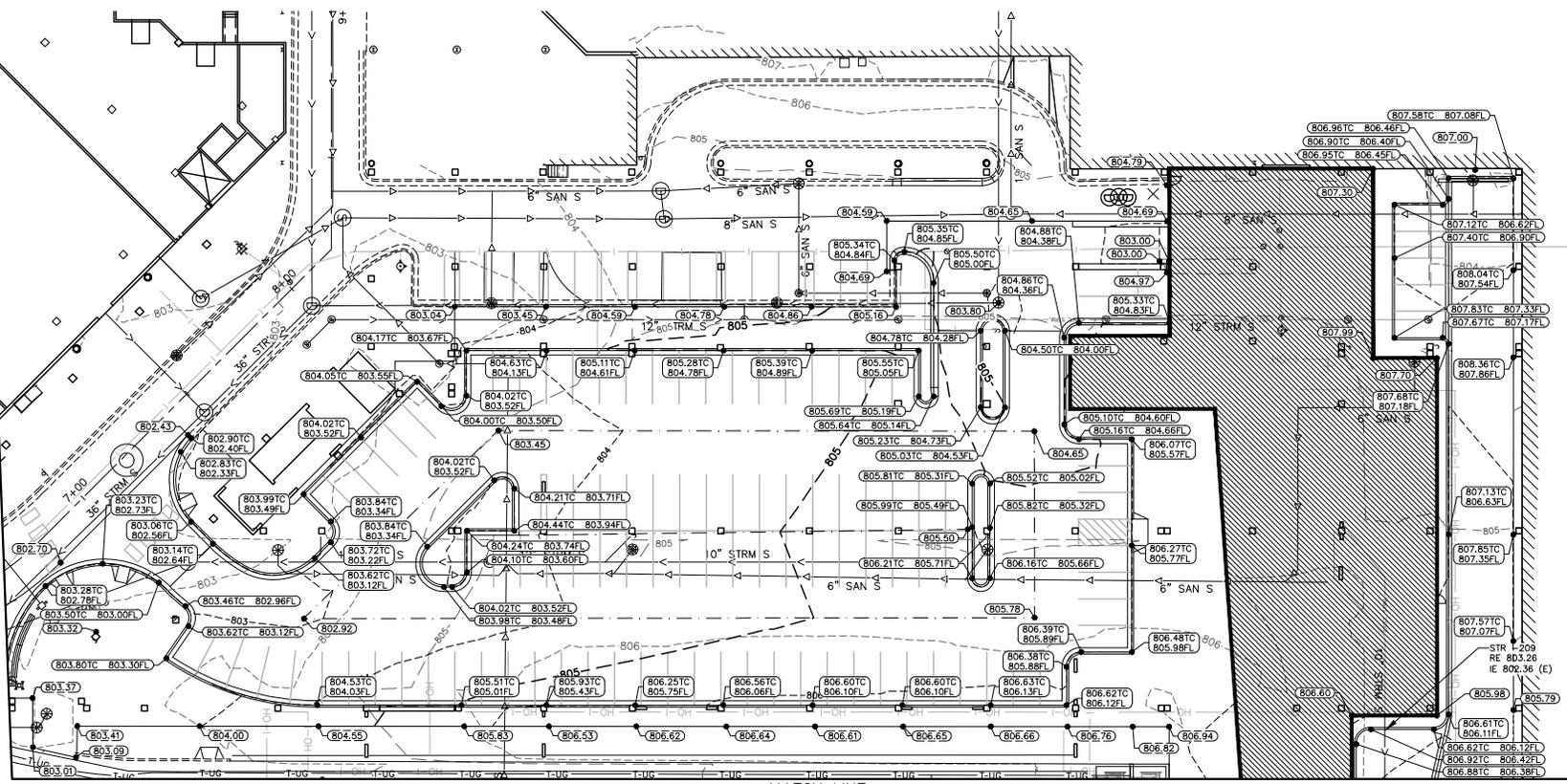
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DRAWN BY:	JS	
CHECKED BY:	JRW	
DATE:	06/29/2016	DATE: _____ MN LIC. NO. 50995

			MALL OF AMERICA TRANSIT STATION RENOVATIONS GRADING AND DRAINAGE TRANSIT STATION	PROJECT NO. 62317 SHEET NO. C 5.04
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SEE SHEET C 5.04
MATCH LINE



MATCH LINE
SEE SHEET 5.06

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- 833- PROPOSED CONTOUR
- 833- PROPOSED DRAINAGE DIVIDE

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NO.	DATE	DESCRIPTION OF REVISIONS	APP.

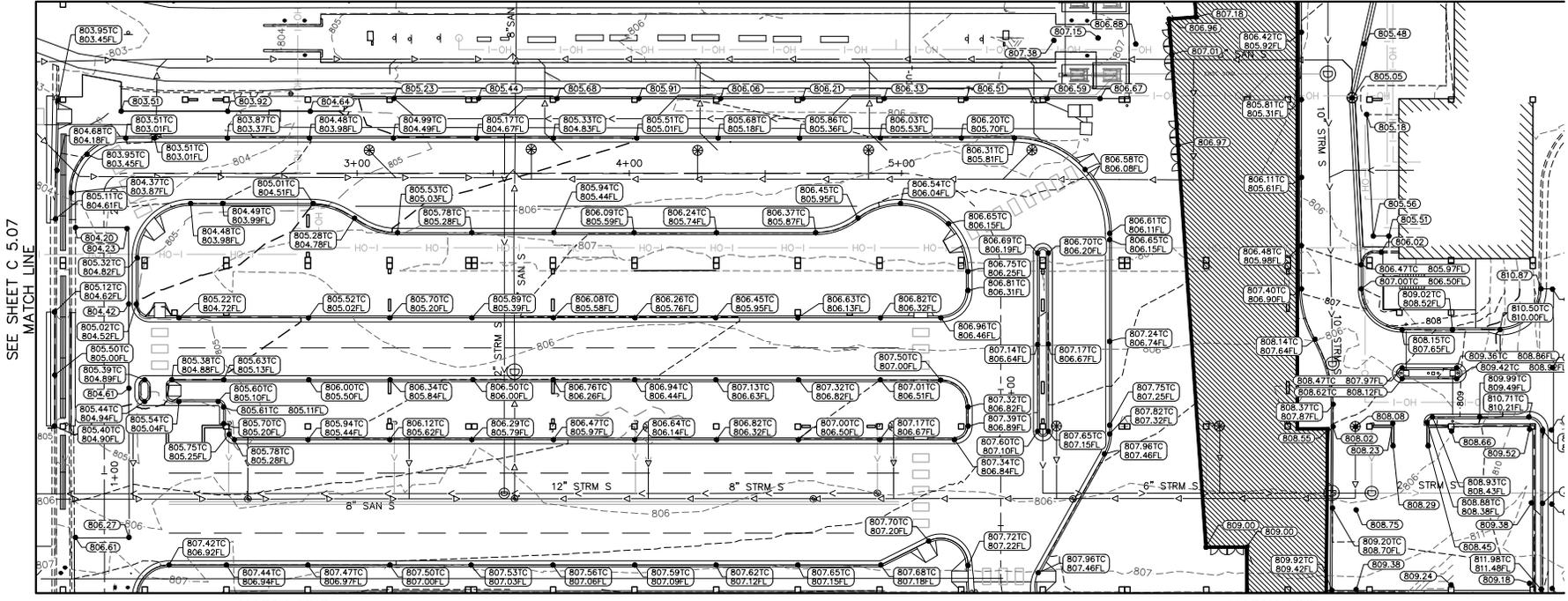
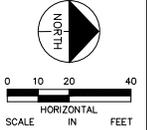
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CHECKED BY:	JRW	
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MALL OF AMERICA
TRANSIT STATION RENOVATIONS
GRADING AND DRAINAGE
TRANSIT STATION

PROJECT NO.	62317
SHEET NO.	C 5.05

SEE SHEET C 5.05
MATCH LINE



SEE SHEET C 5.07
MATCH LINE

MATCH LINE
SEE SHEET C 5.02

MATCH LINE
SEE SHEET C 5.03

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DRAWN BY:	JS	
CHECKED BY:	JRW	
DATE:	06/29/2016	
DESIGNED BY:	JUSTIN R. WOFFINDEN, P.E.	MN LIC. NO. 50995

			MALL OF AMERICA TRANSIT STATION RENOVATIONS GRADING AND DRAINAGE TRANSIT STATION		PROJECT NO. 62317
			C 5.06		SHEET NO.

WARNING:

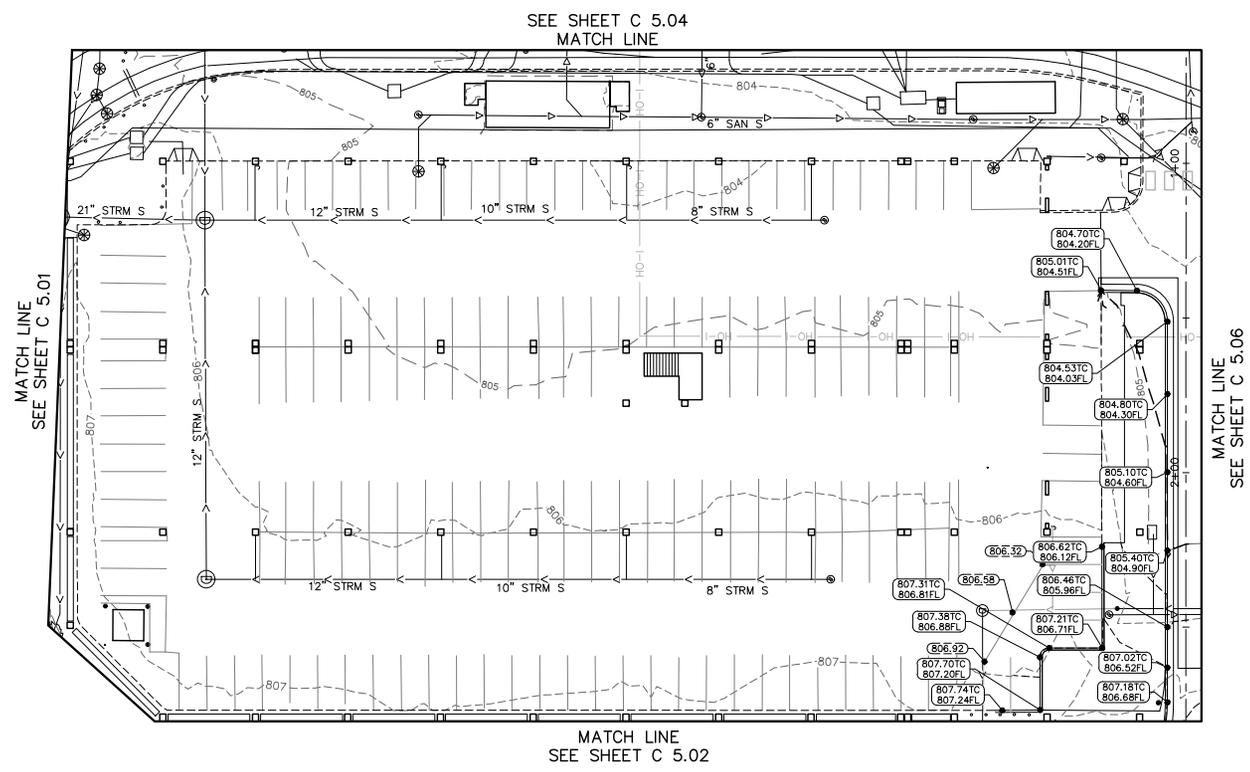
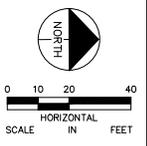
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- 833- EXISTING CONTOUR
- 833- PROPOSED CONTOUR
- PROPOSED DRAINAGE DIVIDE

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- PROPOSED DRAINAGE DIVIDE

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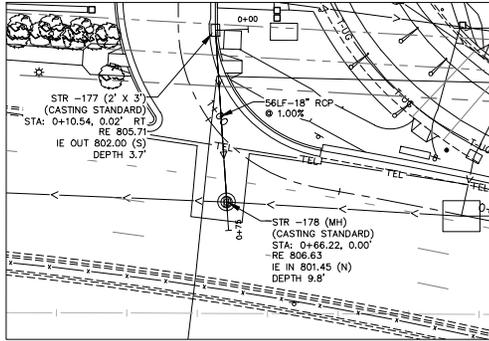
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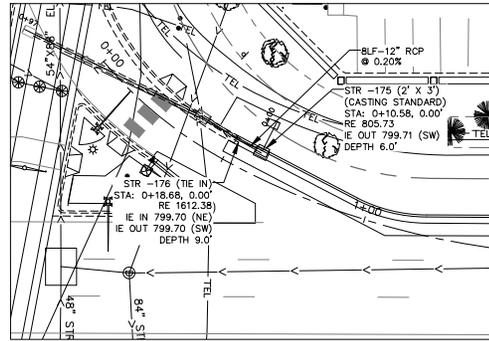
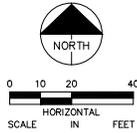
MALL OF AMERICA
TRANSIT STATION RENOVATIONS
GRADING AND DRAINAGE
TRANSIT STATION

PROJECT NO.	62317
SHEET NO.	C 5.07

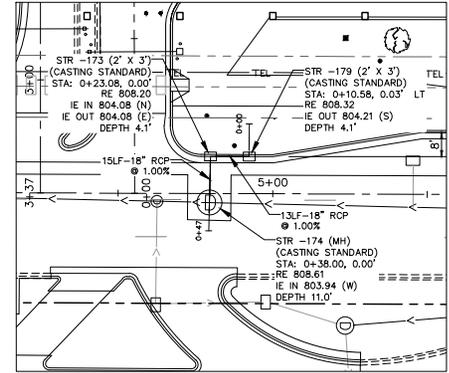
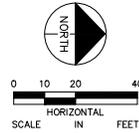
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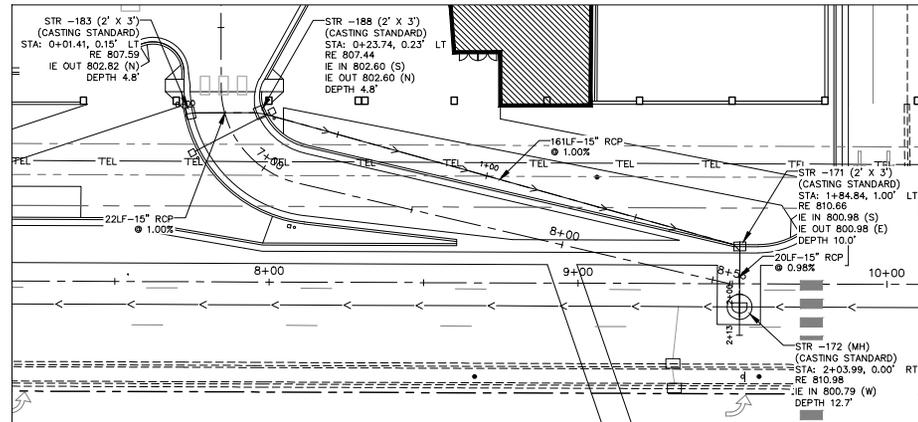
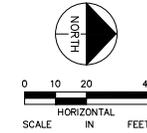
STORM SEWER - KILLEBREW DR



STORM SEWER - 24TH AVE AND KILLEBREW DR



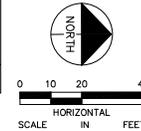
STORM SEWER - 24TH AVE AT BUS PLAZA



STORM SEWER - 24TH AVE AND 82ND ST

NOTES:

- REFER TO SHEET C5.09 FOR STORM SEWER PROFILES.
- REFER TO GRADING AND DRAINAGE SHEETS C5.01-C5.07 FOR SURFACE ELEVATIONS.



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DRAWN BY:	JS	
CHECKED BY:	JRW	
DATE:	06/29/2016	

JUSTIN R. WOFFINDEN, P.E.
 DATE: 06/29/2016 MN LIC. NO. 50995

Kimley Horn

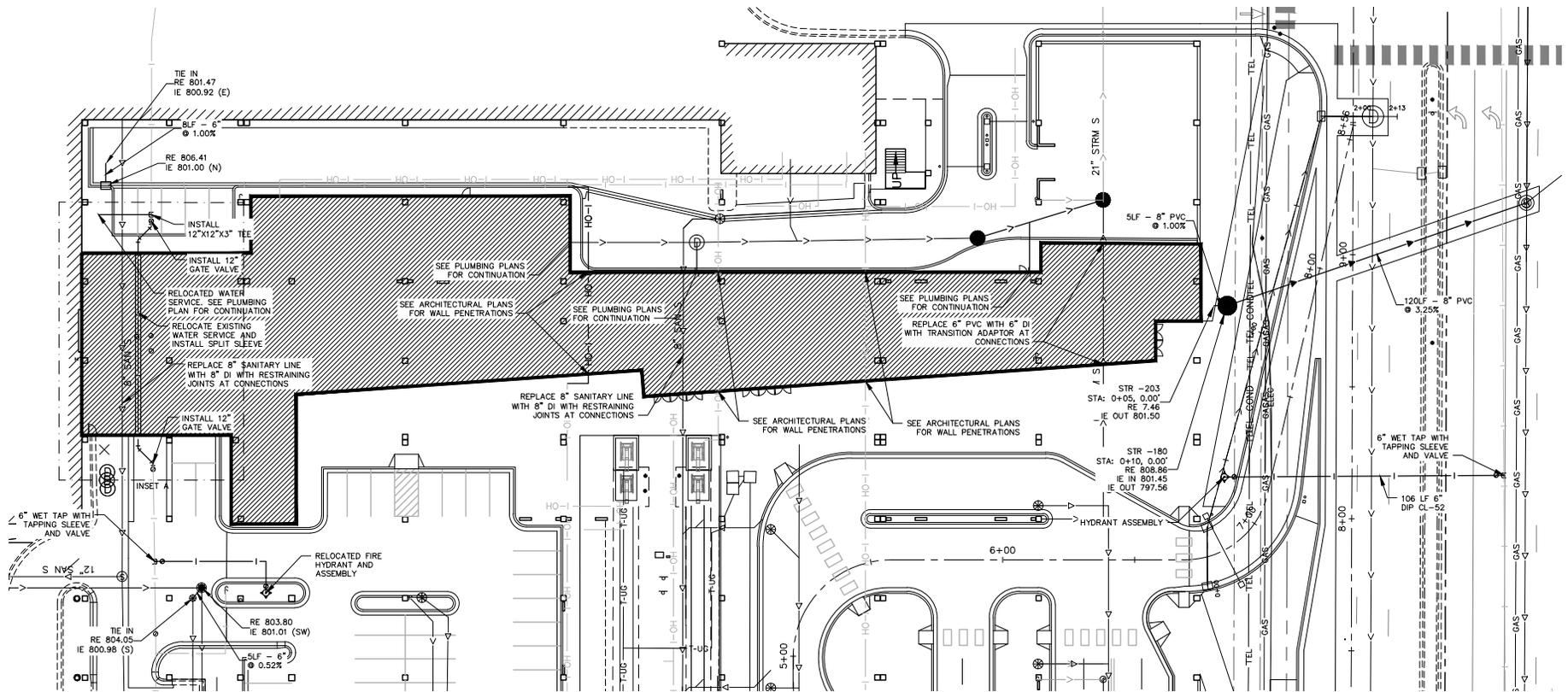
CITY OF BLOOMINGTON MINNESOTA

METROPOLITAN COUNCIL

MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 GRADING AND DRAINAGE
 STORM SEWER PLAN

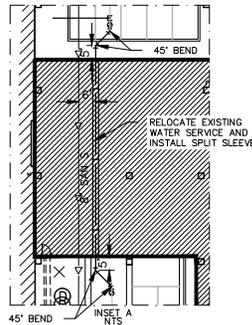
PROJECT NO.	62317
SHEET NO.	C 5.08

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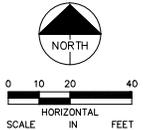


NOTES

1. PROVIDE TIE-IN LOCATIONS FOR PROPOSED UTILITIES AS REQUIRED FOR THE PROPOSED TRANSIT BUILDING.
2. PROVIDE NECESSARY INVERT INFORMATION FOR THE REQUIRED TIE-IN LOCATIONS FOR PROPOSED UTILITIES.
3. REFER TO SHEET C6.02 FOR ADDITIONAL PROPOSED SANITARY SEWER.
4. REFER TO SHEET C6.03 FOR SANITARY SEWER SERVICE CONNECTION PROFILE.

LEGEND

- > SANITARY SEWER
- > STORM SEWER
- > POTABLE WATER
- |— OH OVERHEAD POTABLE WATER



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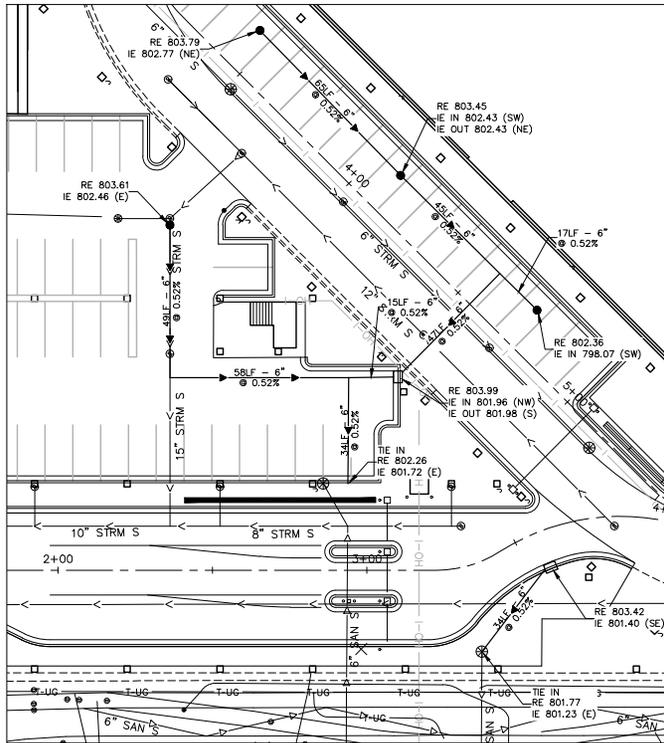
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DRAWN BY: JS	
CHECKED BY: JRW	
DATE: 06/29/2016	DATE: 06/29/2016
	JUSTIN R. WOFFINDEN, P.E.
	MN LIC. NO. 50995

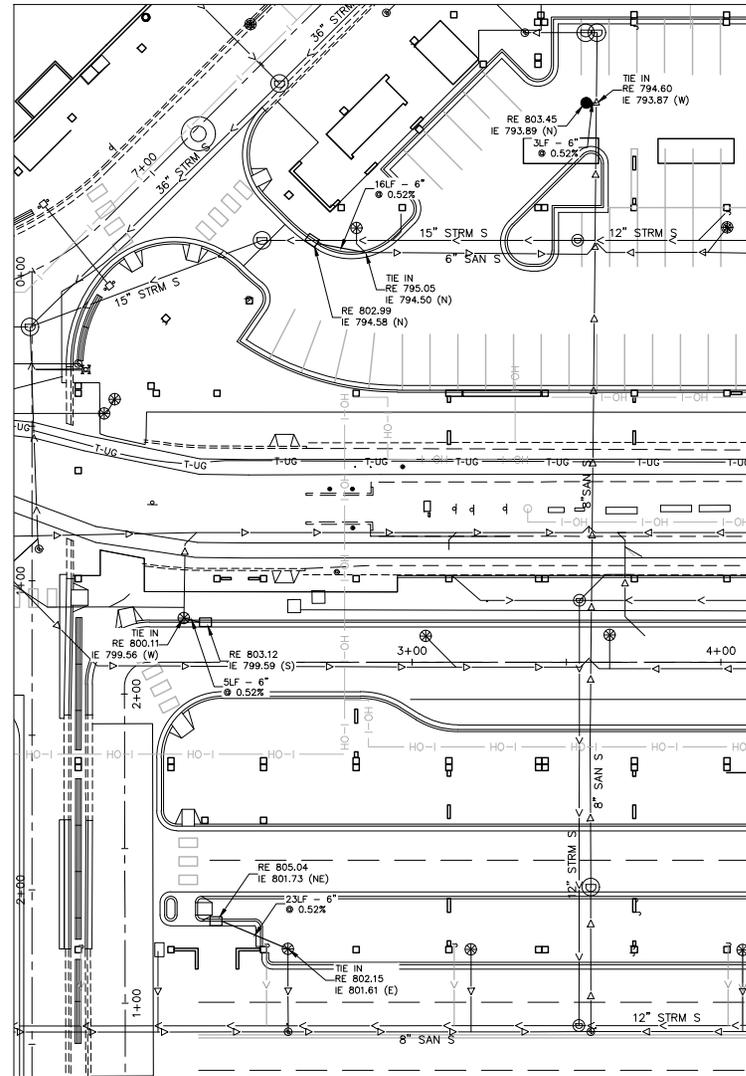
MALL OF AMERICA
TRANSIT STATION RENOVATIONS
UTILITY PLAN
TRANSIT STATION

PROJECT NO.	62317
SHEET NO.	C 6.01

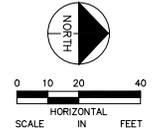
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SOUTHWEST PARKING STRUCTURE



BUS PLAZA



LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED COLORED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED BARRIER WALL
- PROPOSED LIGHT POLE
- PROPOSED CURB AND GUTTER
- PROPOSED ACCESS GATE
- EXISTING CENTERLINE

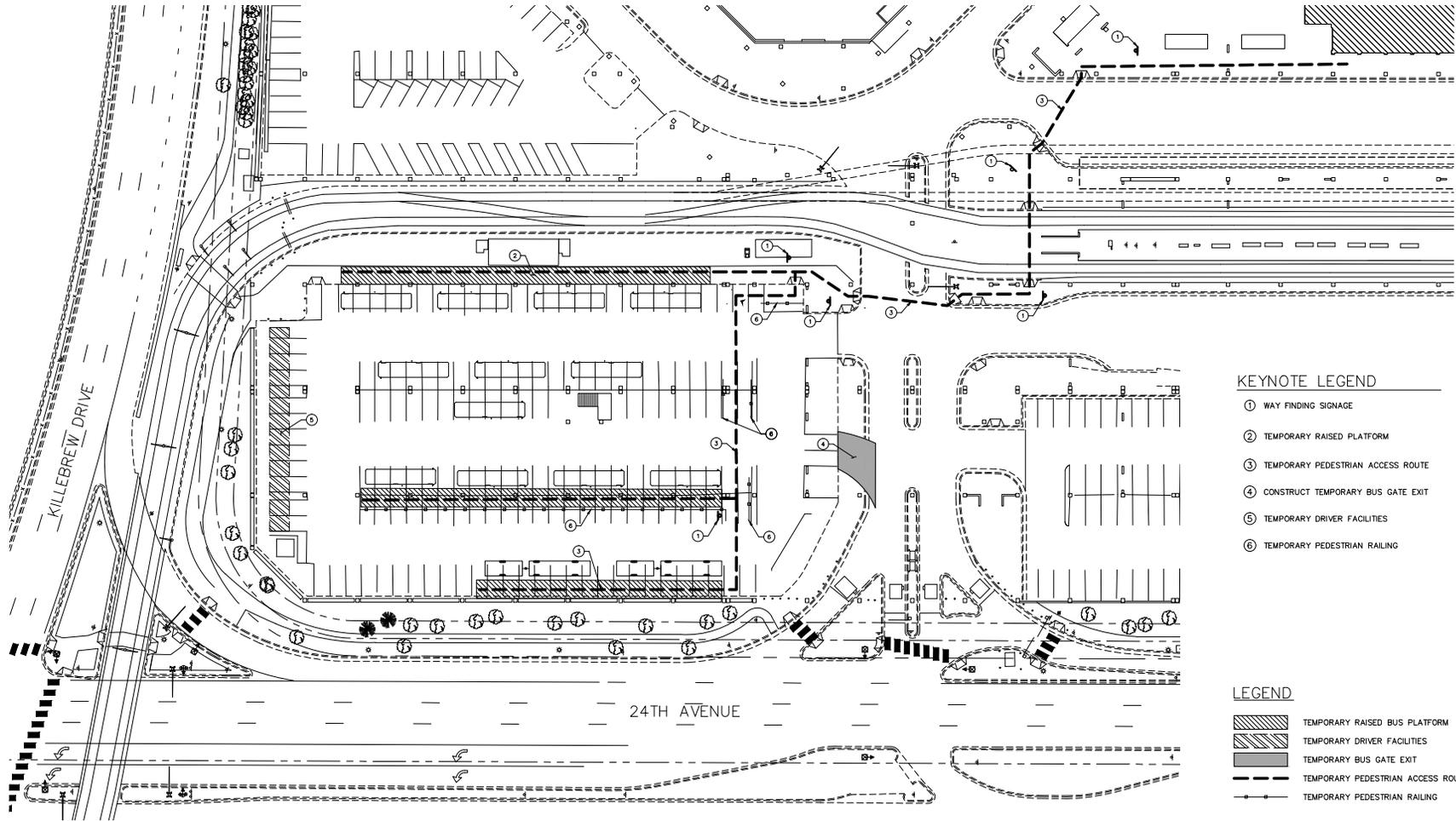
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DATE:	06/29/2016	

			MALL OF AMERICA TRANSIT STATION RENOVATIONS UTILITY PLAN TRANSIT STATION	PROJECT NO. 160400057 SHEET NO. C 6.02
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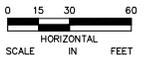


KEYNOTE LEGEND

- ① WAY FINDING SIGNAGE
- ② TEMPORARY RAISED PLATFORM
- ③ TEMPORARY PEDESTRIAN ACCESS ROUTE
- ④ CONSTRUCT TEMPORARY BUS GATE EXIT
- ⑤ TEMPORARY DRIVER FACILITIES
- ⑥ TEMPORARY PEDESTRIAN RAILING

LEGEND

- TEMPORARY RAISED BUS PLATFORM
- TEMPORARY DRIVER FACILITIES
- TEMPORARY BUS GATE EXIT
- TEMPORARY PEDESTRIAN ACCESS ROUTE
- TEMPORARY PEDESTRIAN RAILING



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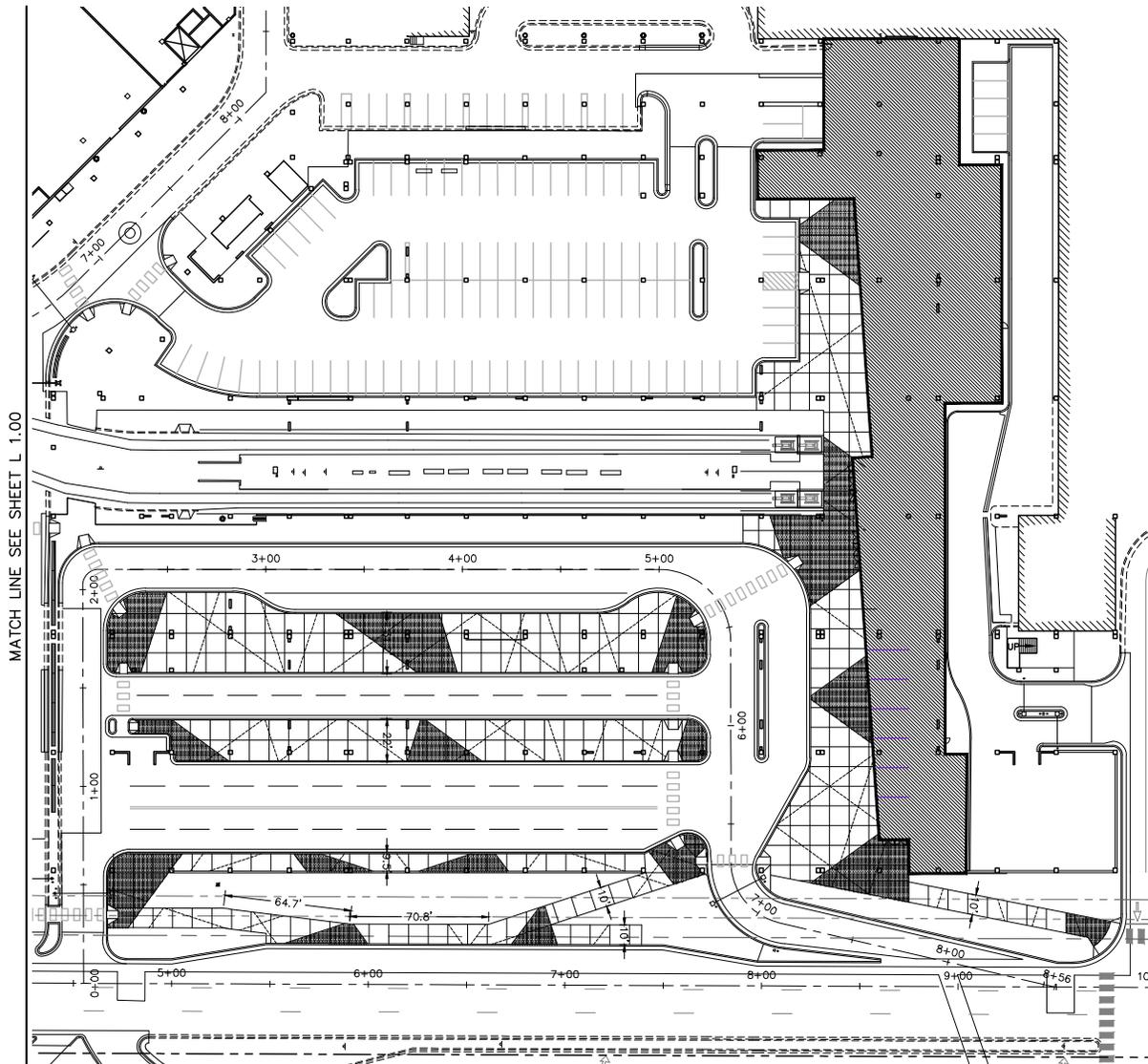
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DRAWN BY: JS	
CHECKED BY: JRW	
DATE: 06/29/2016	



MALL OF AMERICA
TRANSIT STATION RENOVATIONS
TEMPORARY BUS GATES

PROJECT NO.	62317
SHEET NO.	C 7.01

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- LEGEND**
-  SPECIAL CONCRETE
 -  CONTROL JOINT
 -  DECORATIVE JOINT
 -  EXISTING COLUMN

MATCH LINE SEE SHEET L 1.00

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NO.	DATE	DESCRIPTION OF REVISIONS	APP.

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 DRAWN BY: JLK
 CHECKED BY: JLK
 DATE: 06/29/2016

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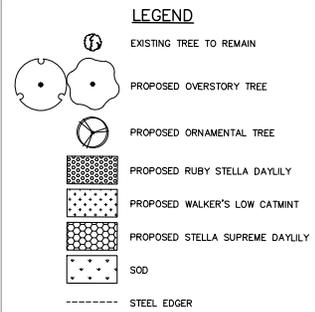
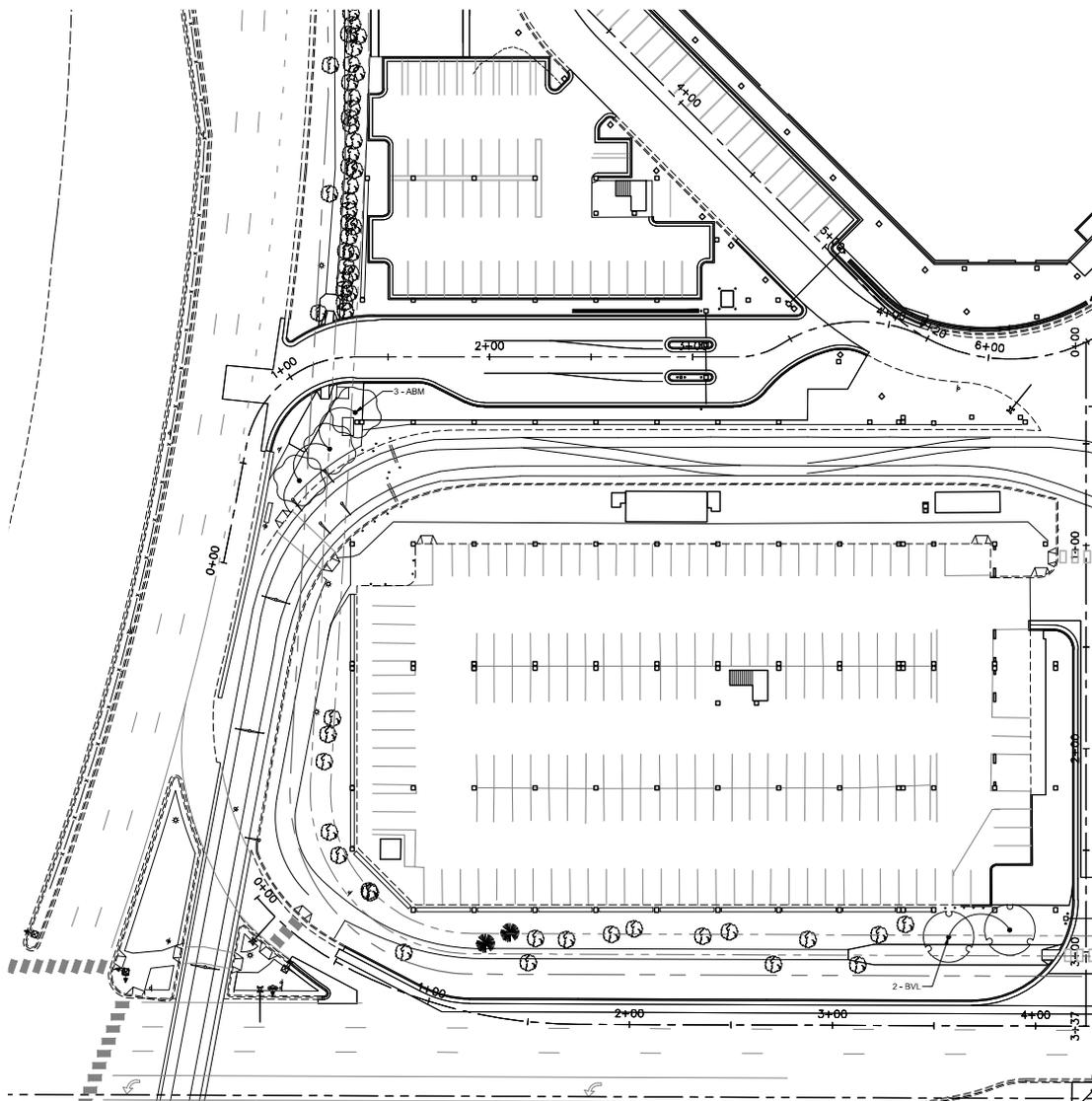
JENNIFER L. KRANTZ
 DATE: MN LIC. NO. 50576



MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 URBAN DESIGN PLAN

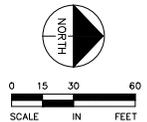
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GENERAL LANDSCAPE NOTES:

1. VERIFY ALL LANDSCAPE IMPROVEMENTS WITH REMOVALS AND SITEWORK.
2. ALL DISTURBED LANDSCAPED AREAS, NOT INDICATED AS PLANTING BEDS, ARE TO BE SOGGED, SMOOTH CUT FINISHED GRADE AND REMOVE ALL ROCKS AND DELETERIOUS MATERIAL BEFORE PLACING SOD. SOD TYPE IS TO BE PRIMARILY KENTUCKY BLUEGRASS, FREE OF WEEDS. REPLACE DAMAGED LAWN WITH MINERAL SOD.
3. SUBCONTRACTOR TO VERIFY PLANTS REQUIRED AS REFLECTED ON PLAN.
4. ALL PLANTING BEDS ABUTTING TO BE EDGED WITH STEEL EDGER, ANCHORED 4"-0" O.C. WITH METAL SPIKES, COLOR BLACK.
5. ALL LANDSCAPE AREAS SHALL HAVE TOPSOIL PLACED AT MINIMUM DEPTH OF 4" FOR SOD AREAS, 12" FOR SHRUB/PERENNIAL/ANNUAL BEDS, AND 24" FOR TREE AREAS.
6. SINGLE TREE AND SHRUB PLANTINGS SHALL HAVE A 4" DEPTH SHREDDED HARDWOOD MULCH RING AROUND EACH BASE. TREES SHALL HAVE A MINIMUM 3" DIAMETER RING.
9. APPLY PRE-EMERGENT HERBICIDE PREEN (OR APPROVED EQUAL) IN PERENNIAL AND SHRUB BEDS FOLLOWED BY DOUBLE-SHREDDED HARDWOOD BARK MULCH. DOUBLE-SHREDDED HARDWOOD BARK MULCH SHALL BE A MINIMUM OF 4" IN DEPTH, FREE OF ALL DELETERIOUS MATERIAL AND LOCATED IN ALL LANDSCAPE BEDS.
10. SUBCONTRACTOR TO DISPOSE OF ALL REMOVALS OFF-SITE. SEE EXISTING CONDITIONS & REMOVALS PLAN FOR MORE INFORMATION.
11. SUBCONTRACTOR TO WATER PLANT MATERIAL DURING INSTALLATION AND FOR A 60 DAY ESTABLISHMENT PERIOD. VOLUME OF WATER TO BE PER PLANT REQUIREMENT FOR ESTABLISHMENT AND NORMAL GROWTH.
12. SUBCONTRACTOR TO WARRANT NEW SOD FOR 60 DAYS AND NEW PLANTINGS FOR ONE YEAR UPON PROJECT COMPLETION.
13. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
14. ALL PLANT MATERIAL SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED.
15. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY, SCHEDULE, AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
18. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES WITHIN AND ADJACENT TO THE WORK AREA, TO PROTECT ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD, AND TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING, INCLUDING BUT NOT LIMITED TO, WATERING, SPRAYING, MULCHING, AND FERTILIZING ALL OF THE PLANT MATERIALS AND LAWN DURING THE PLANT ESTABLISHMENT PERIOD.
20. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
21. TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. TREES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH SPECIES OF EQUAL QUALITY AND SIZE AS DETERMINED BY LANDSCAPE ARCHITECT AT NO COST TO THE OWNER.
22. SEE REMOVALS PLAN FOR EXISTING TREE INFORMATION.
23. IF ADDITIONAL DISTURBANCE IS REQUIRED, CONTRACTOR TO RE-GRADE TO MAKE SMOOTH AND RE-ESTABLISH AREA WITH SOD.



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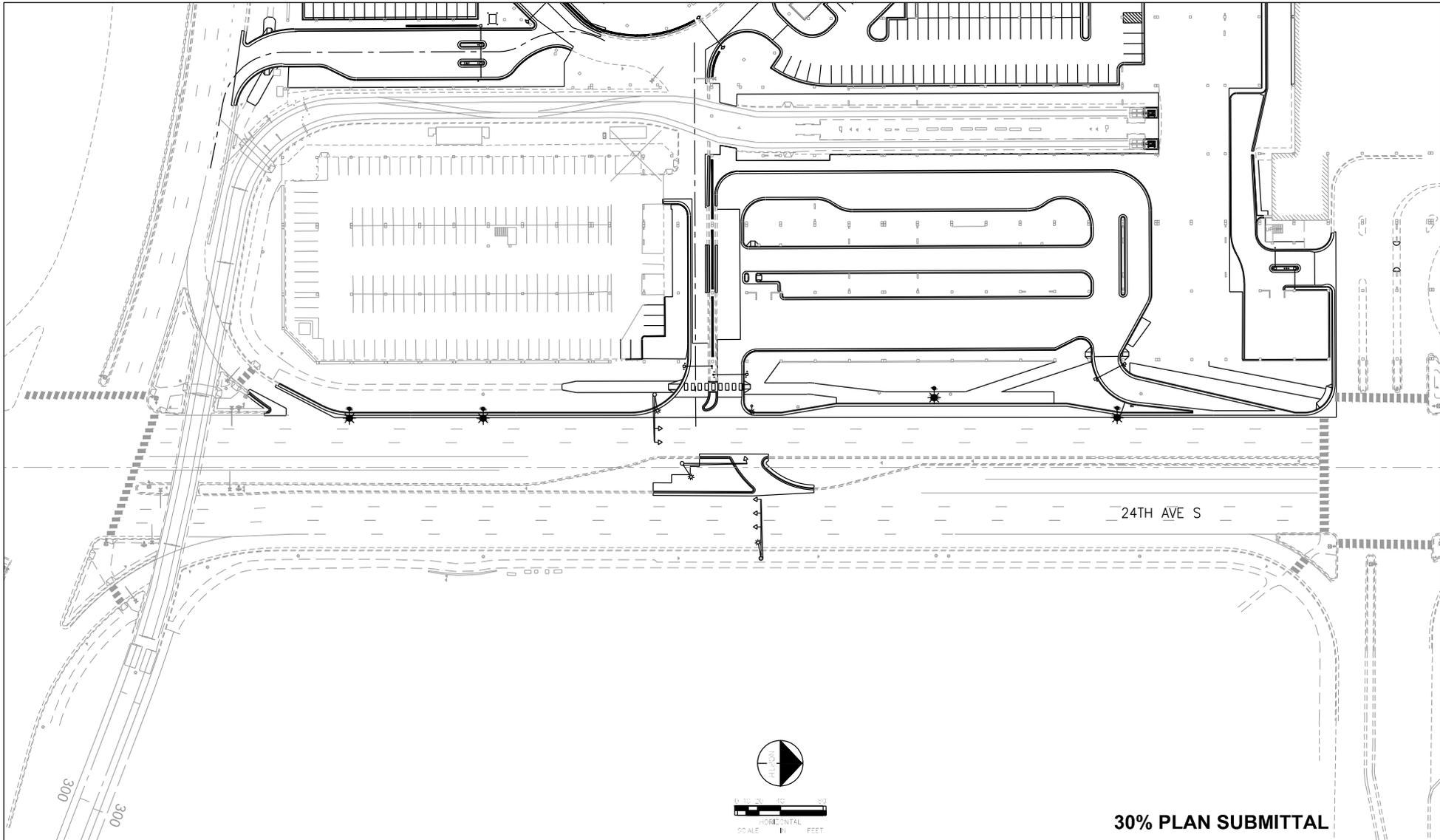
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DRAWN BY:	KML	
CHECKED BY:	JLK	
DATE:	06/29/2016	
DESIGNED BY:	JENNIFER L. KRANTZ	MN LIC. NO. 50576



MALL OF AMERICA
TRANSIT STATION RENOVATIONS
LANDSCAPE PLAN

PROJECT NO.	62317
SHEET NO.	L 1.00



24TH AVE S



30% PLAN SUBMITTAL

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NOTE: ONLY CHANGES/REVISIONS SHOWN

NO.	DATE	DESCRIPTION OF REVISIONS	APP.

DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE: 6/24/2016

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 Engineer under the laws of the state of Minnesota.
Steve J. McHenry
DATE: 6/24/2016 MN LIC. NO. 48710

Kimley Horn
SRE ENGINEERS PLANNERS DESIGNERS
Consulting Group, Inc.

CITY OF BLOOMINGTON
MINNESOTA

METROPOLITAN
CORPORATION

MALL OF AMERICA
TRANSIT STATION RENOVATIONS
LIGHTING LAYOUT
24TH AVE S AT TRANSIT STATION

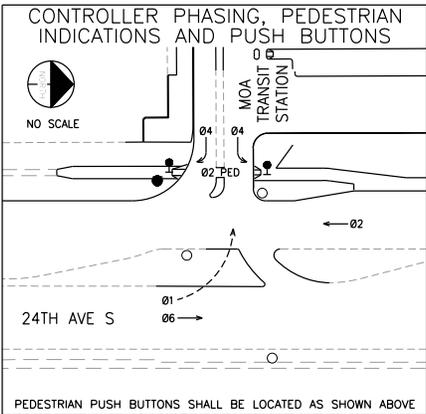
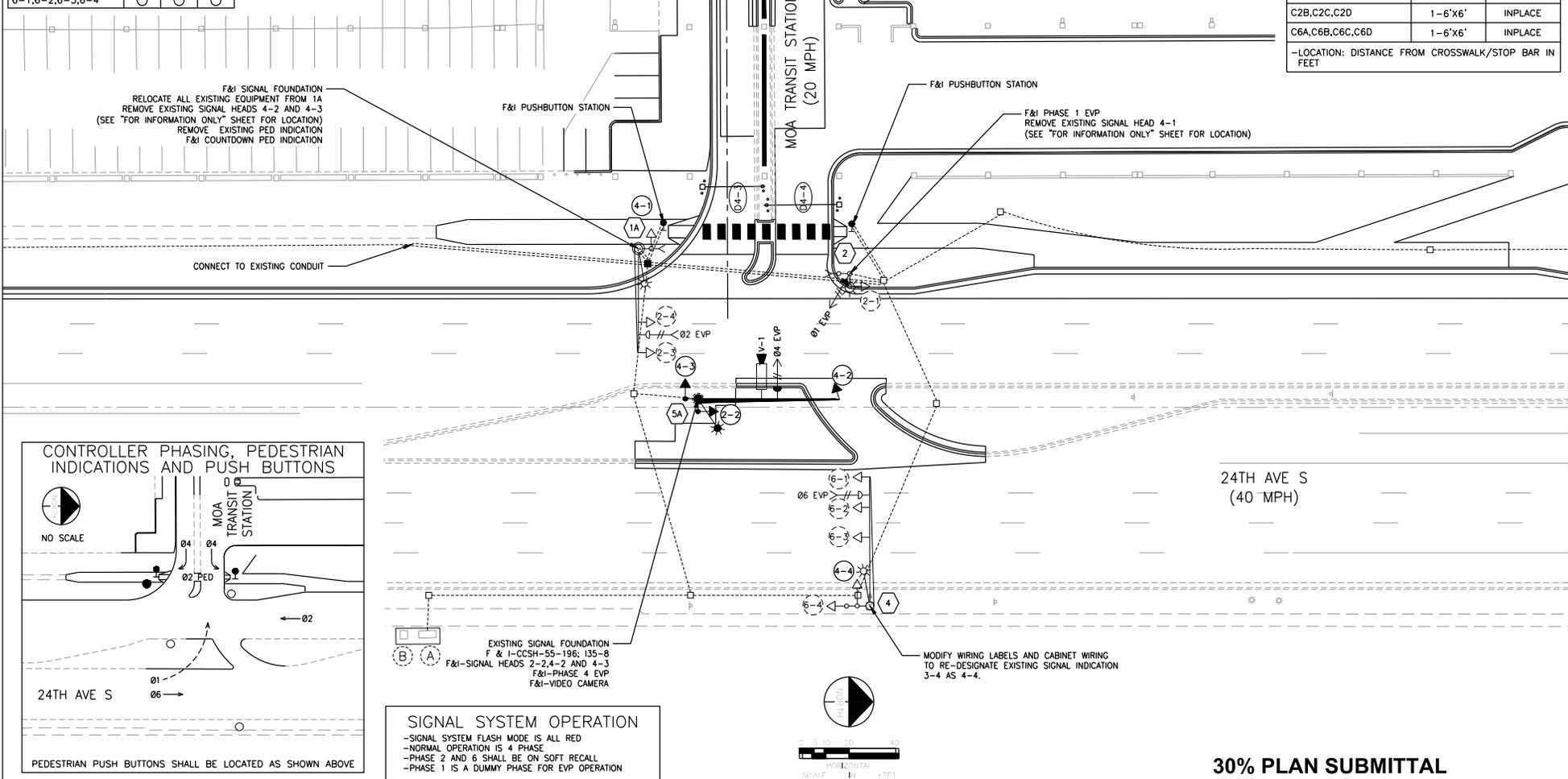
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160533050
SHEET NO.

SIGNAL HEAD CHART			
FACE	R	Y	G
2-1,2-2,2-3,2-4	○	○	○
4-1	○	○	○
4-2	○	○	○
4-3	●	●	●
4-4	◀	◀	◀
6-1,6-2,6-3,6-4	○	○	○

(RENUMBER FROM 3-4)

DETECTOR CHART		
NUMBER	SIZE/CAMERA	LOCATION
D2-1,D2-2,D2-3	1-6'x6'	INPLACE
D4-1,D4-2	V-1	5'
D4-3,D4-4	V-1	100'
D6-1,D6-2,D6-3,D6-4	1-6'x6'	INPLACE
C2B,C2C,C2D	1-6'x6'	INPLACE
C6A,C6B,C6C,C6D	1-6'x6'	INPLACE

-LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET



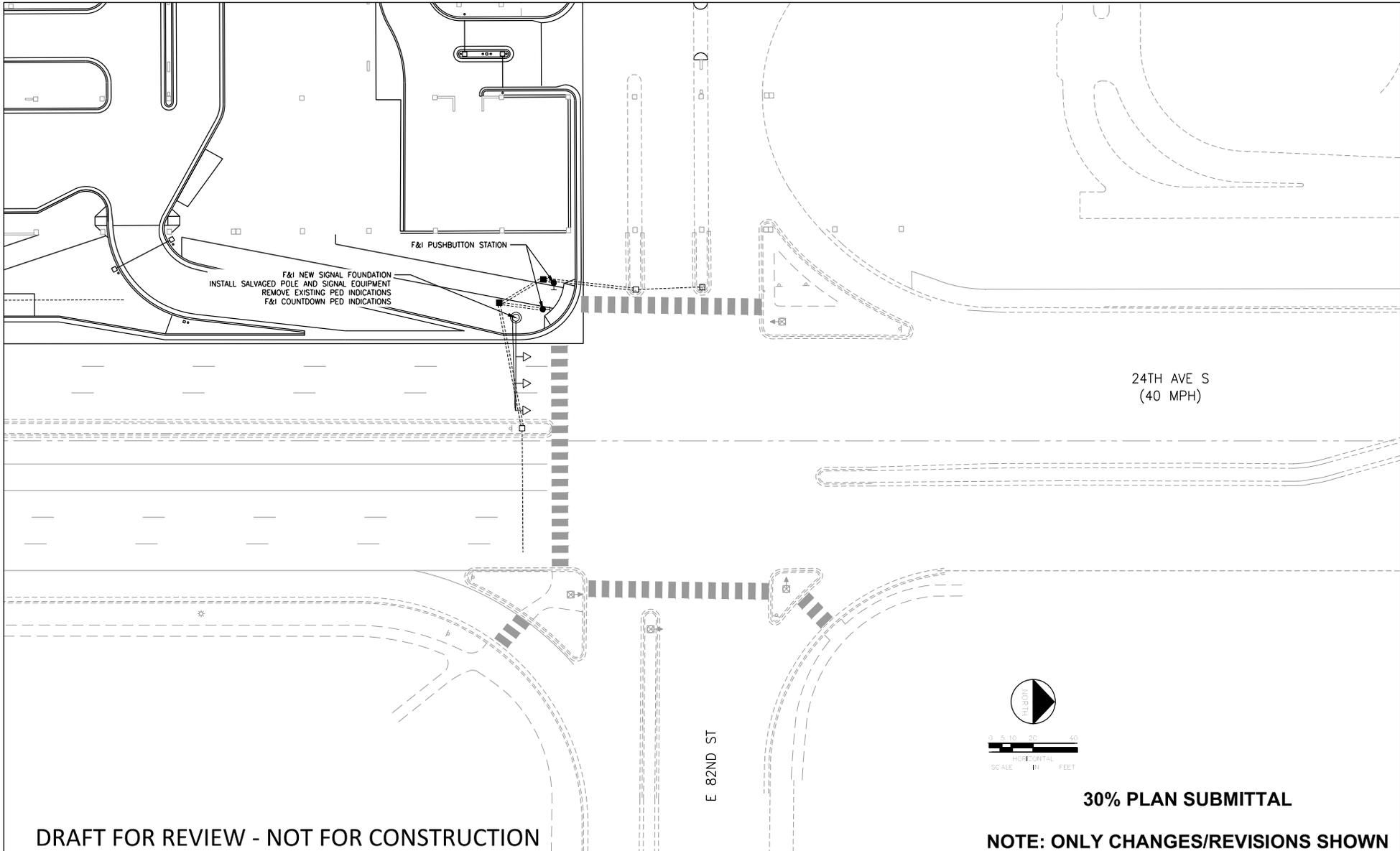
SIGNAL SYSTEM OPERATION
 -SIGNAL SYSTEM FLASH MODE IS ALL RED
 -NORMAL OPERATION IS 4 PHASE
 -PHASE 2 AND 6 SHALL BE ON SOFT RECALL
 -PHASE 1 IS A DUMMY PHASE FOR EVP OPERATION

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NOTE: ONLY CHANGES/REVISIONS SHOWN

NO.	DATE	DESCRIPTION OF REVISIONS	APP.	DESIGNED BY:	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 Engineer under the laws of the state of Minnesota. Nicholas J. Erpolding DATE: 6/24/2016 MN LIC. NO. 44582	 	MALL OF AMERICA TRANSIT STATION RENOVATIONS REVISED INTERSECTION LAYOUT 24TH AVE S AT TRANSIT STATION SIGNAL SYSTEM "A"	COMM. NO.
			DRAWN BY:	160533050				
			CHECKED BY:	SHEET NO.				
			DATE: 6/24/2016					



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NOTE: ONLY CHANGES/REVISIONS SHOWN

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DRAWN BY:
CHECKED BY:
DATE: 6/24/2016

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 Engineer under the laws of the state of Minnesota.

Nicholas J. Erpolding
DATE: 6/24/2016 MN LIC. NO. 44582

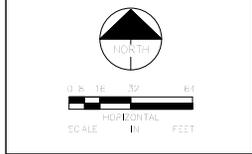
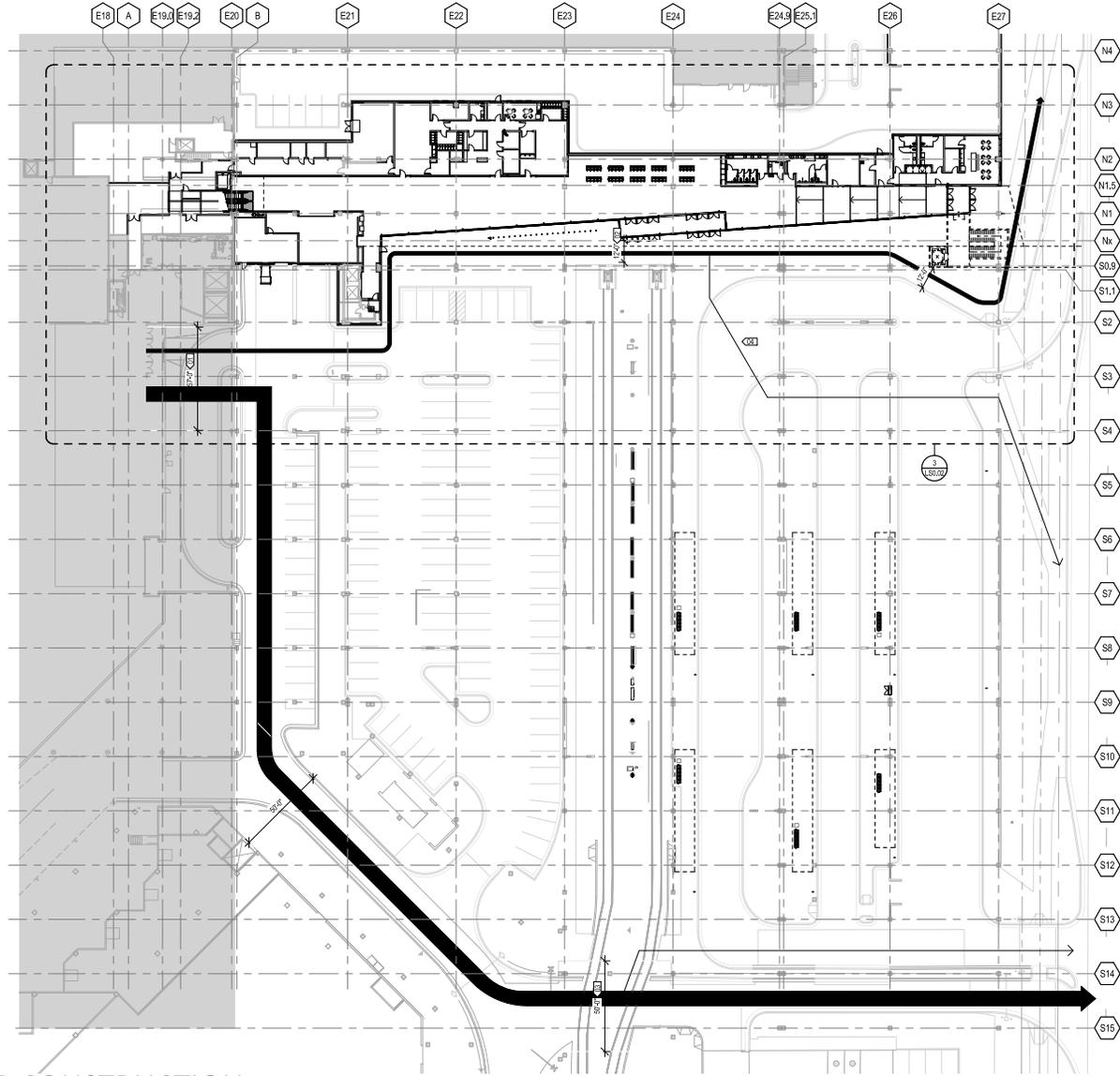
Kimley»Horn
SRE ENGINEERS PLANNERS DESIGNERS
Consulting Group, Inc.

CITY OF BLOOMINGTON
MINNESOTA

METROPOLITAN
COUNCIL

MALL OF AMERICA
TRANSIT STATION RENOVATIONS
REVISED INTERSECTION LAYOUT
24TH AVE S AT E 82ND ST SIGNAL
SYSTEM "B"

COMM. NO. 160533050
SHEET NO.



KEY NOTES

- 01 EXISTING MALL EXIT DIMENSION 57'-0"
- 02 MINIMUM CLEAR WIDTH DIMENSION NEAR LRT PLATFORM (NORTH END) - 14'-0"
- 03 MINIMUM CLEAR WIDTH DIMENSION NEAR LRT PLATFORM (SOUTH END) - 50'-0"
- 04 ADDITIONAL EXIT CAPACITY AVAILABLE OUTSIDE OF NORMAL ROADSIDEWALK AREA IN THE FORM OF PARKING AND TRANSIT AREAS.

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FLOOR PLAN - SITE EGRESS
1/8" = 1'-0" (SHEET)

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		DESIGNED BY: MSJD	
		DRAWN BY: IMS	
		CHECKED BY: CL	
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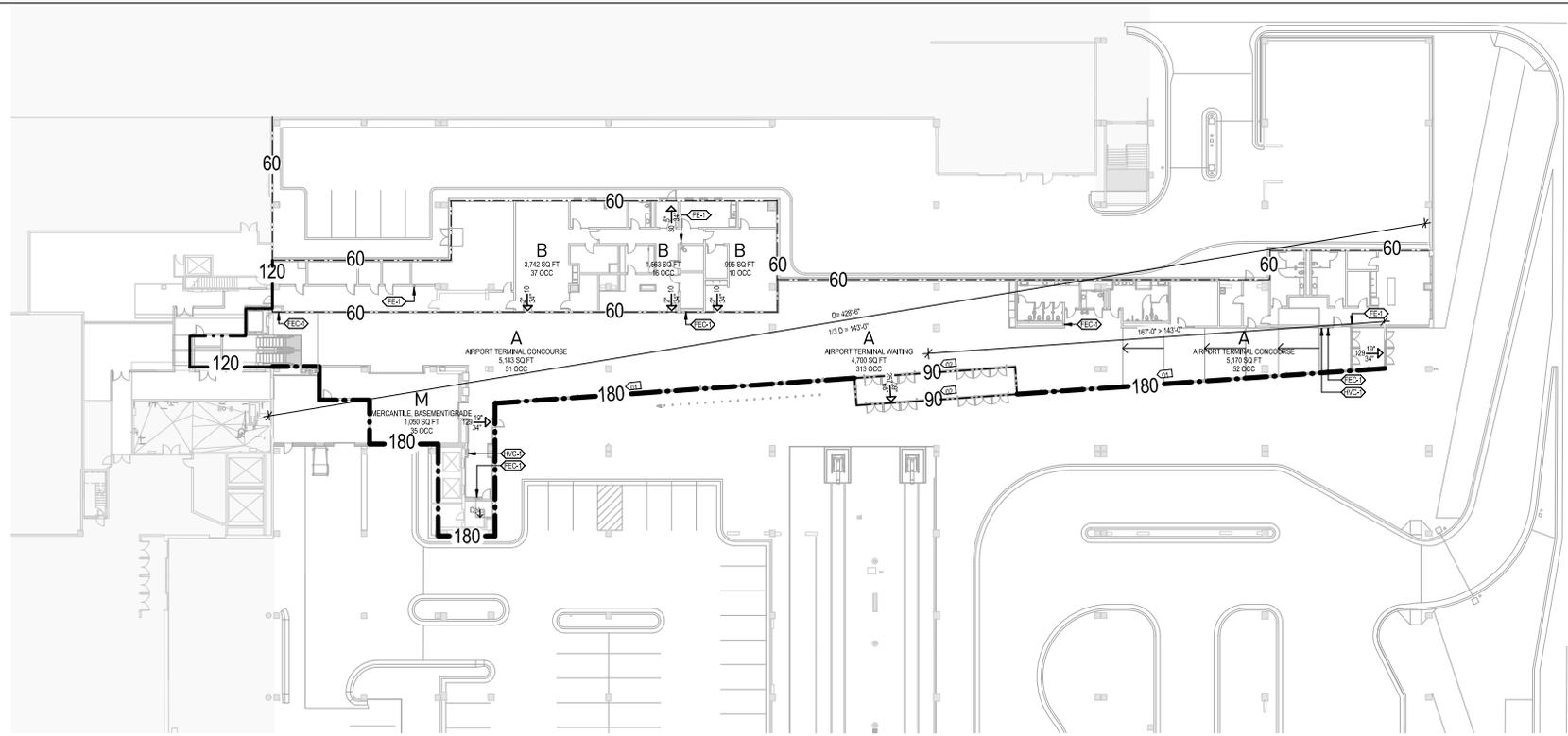


**MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 LIFE SAFETY SITE EGRESS**

PROJECT NO.
 62317
 SHEET NO.
LS0.01



- KEY NOTES**
- 01 EQUIVALENCY = 120 MINUTE RATED GLAZING AND FRAME, CLOSELY SPACED SPRINKLERS INSIDE AND OUT (8'-0" CENTERS)
 - 02 EQUIVALENCY = 60 MINUTE RATED DOORS, GLAZING AND FRAME ON BOTH SIDES OF VESTIBULE, CLOSELY SPACED SPRINKLERS INSIDE AND OUT (8'-0" CENTERS)



LIFE SAFETY PLAN - GROUND 3
150/05

Site Location:
8240 24th Avenue South
Bloomington, MN 55425

Area Calculations:

Lower Level	22,238 sq. ft.
First Level	2,288 sq. ft.
TOTAL	24,526 sq. ft.

*Renovation only, no changes to use or occupancy

Occupancy and Type of Construction (Chapter 3 and 5):

Description of Use	Occupancy Classification	Construction Type	Area	Floors
Assembly-Airport Concourse	A	I-B	10,313 sq.ft.	0
Assembly-Waiting	A	I-B	8,758 sq.ft.	0
Business	B	I-B	6,275 sq.ft.	0
Mercantile-Basement (Ground Level)	M	I-B	1,180 sq.ft.	0
			22,238 sq.ft.	

Fire Resistive Requirements - Type of Construction (IBC Table 601)

TYPE I-B Unprotected non-combustible. Building constructed of non-combustible materials, but these materials have no required fire resistance.

Type of Construction	Type I-B
Primary Structural Frame (Lower Level, partial 1st level)	3-HR
Roofing/Deck	3-HR
Exterior	3-HR
Interior	3-HR
Nonbearing Wall and Partitions	1-HR (1.5 Hr. 502)
Exterior	1-HR
Interior	0-HR
Floor Construction and associated secondary members	2-HR
Roof Construction and associated secondary members	1.5 Hr. 502

Sanitation Fixture Requirements (Table 2902.1)

Fixtures Required	Fixtures Provided	
	Male: 598 occ.	Female: 598 occ.
W.C.	1 per 500-2	1 per 500-2
Urinal	1 per 750-1	1 per 750-1
Drinking Fountain	1 per 1,000-2	2
Service Sink	1	1

Elevators
713.74.1 Ex-1 Endless (elevator hoists are not required at the level(s) of exit discharge, provided the level(s) of exit discharge is equipped with an automatic sprinkler system in accordance with Section 903.3.1.1.

Exits
705.5 Fire Separation Distance greater than 25'-0" on all building faces; thus allowable area, provided with an automatic sprinkler system = No Limit

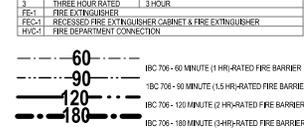
Means of Egress
703.1 The prescriptive route is followed for the building thermal envelope.

Occupancy Separation Required (City of Bloomington Requirements)

Occupancy	Description of Use	Separation
A	Transit Station	1 HR from Bus Gate Area 1 HR from Police Substation
B	Police Substation	1 HR from Assembly 1 HR from Exterior

Building Height and Area:

Group	M
Type of Construction	I-B
Allowable Stories and Basic Area (IBC Table 502)	Unlimited



LIFE SAFETY TABLES 2
150/05

LIFE SAFETY SYMBOLS 1
150/05

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MALL OF AMERICA
TRANSIT STATION RENOVATIONS
LIFE SAFETY PLAN

PROJECT NO.
62317
SHEET NO.
LS0.02

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RENDERING - PERSPECTIVE SECTION THROUGH TRANSIT STATION WALKWAY



RENDERING - PERSPECTIVE LOOKING SOUTH ALONG 24TH AVE S

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SNOW
KREILICH
ARCHITECTS

**CITY OF
BLOOMINGTON
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**METROPOLITAN
COUNCIL**

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TRANSIT STATION RENOVATIONS
REFERENCE IMAGES**

PROJECT NO.

62317

SHEET NO.

A0.10



RENDERING - PERSPECTIVE FROM BUS LOADING ZONE LOOKING NORTH AT TRANSIT STATION ENTRY



RENDERING - PERSPECTIVE IN TRANSIT STATION LOOKING WEST TOWARD MALL OF AMERICA

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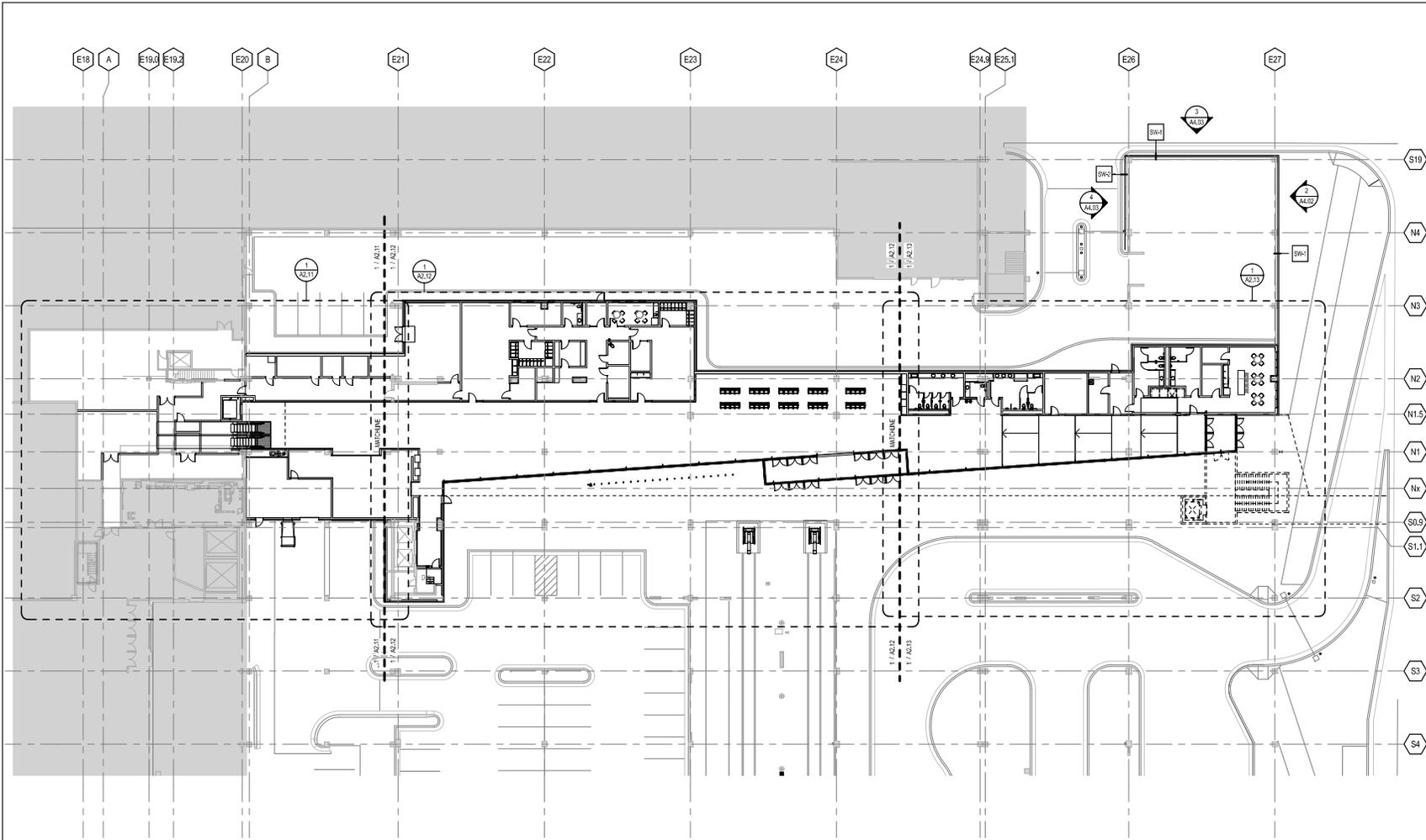
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TRANSIT STATION RENOVATIONS
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PROJECT NO.

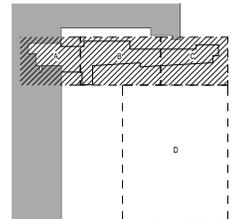
62317

SHEET NO.

A0.11



SHEET NOTES
 1. OFFSET IMMEDIATELY ADJACENT DOOR OPENINGS 10-31/2" INCHES FROM PERPENDICULAR WALL, UNLESS NOTED OTHERWISE (UNCL).



FLOOR PLAN - GROUND A2.10

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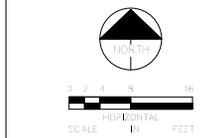
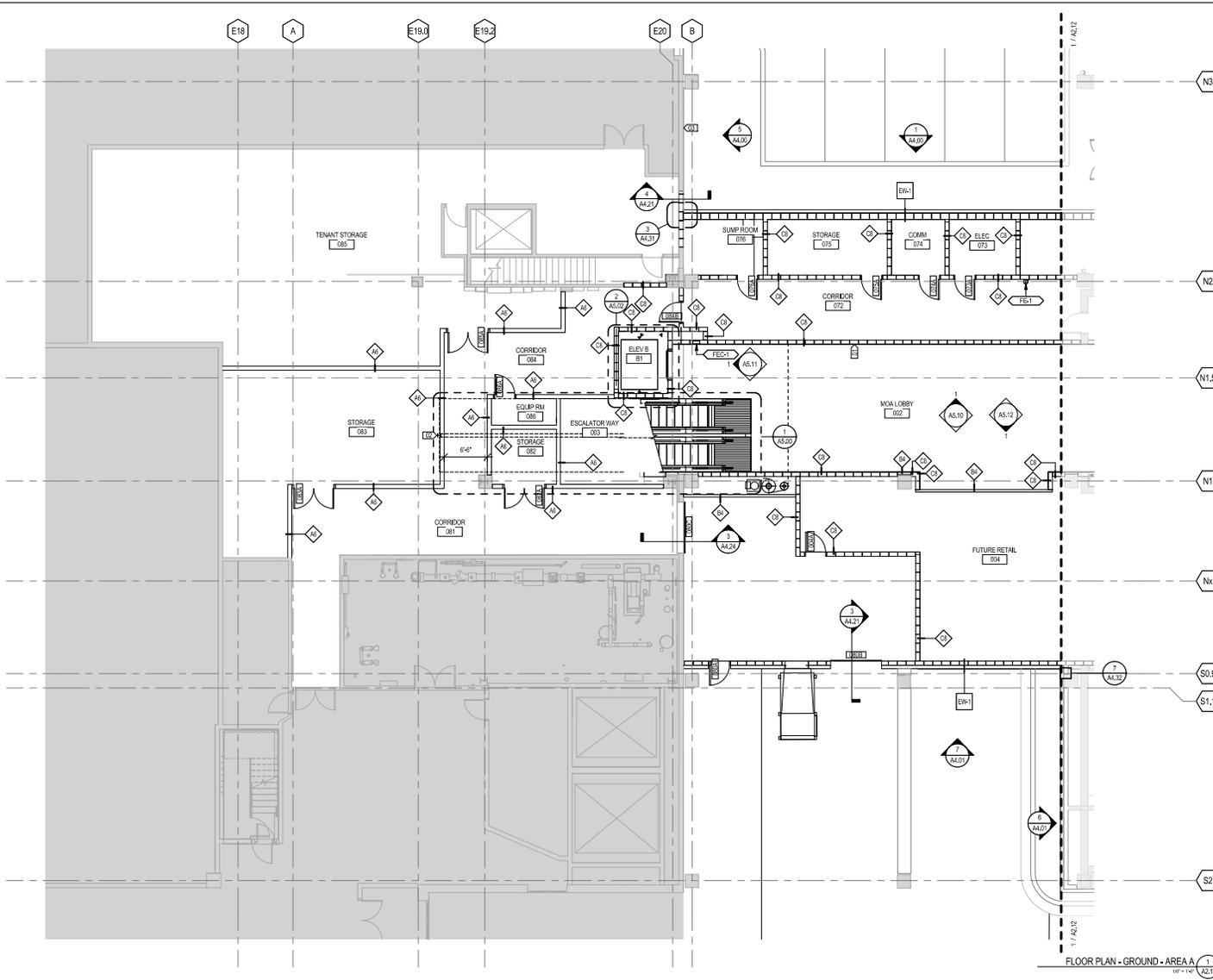
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 CHECKED BY: MS
 DATE: 08/29/2016



**MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 FLOOR PLAN - GROUND**

PROJECT NO.
 62317
 SHEET NO.
A2.10

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KEY NOTES

- 01 PROVIDE 75' LONG ARAKAWA HANGING SYSTEM FOR FUTURE ART BY OTHERS
- 02 NEW COLUMN AND FOOTING TO SUPPORT ESCALATORS - SEE STRUCT DWGS
- 03 INFILL WITH CMU TO MATCH EXISTING AT DOOR & COMPACTOR REMOVAL - SEE ELEVATION

SHEET NOTES

- 1. OFFSET IMMEDIATELY ADJACENT DOOR OPENINGS 1/8" TO 1/4" INCHES FROM PERPENDICULAR WALL UNLESS NOTED OTHERWISE (UNCL).

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FLOOR PLAN - GROUND - AREA A
1/8" = 1' @ A2.11

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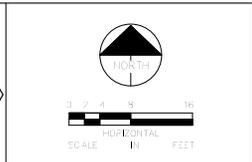
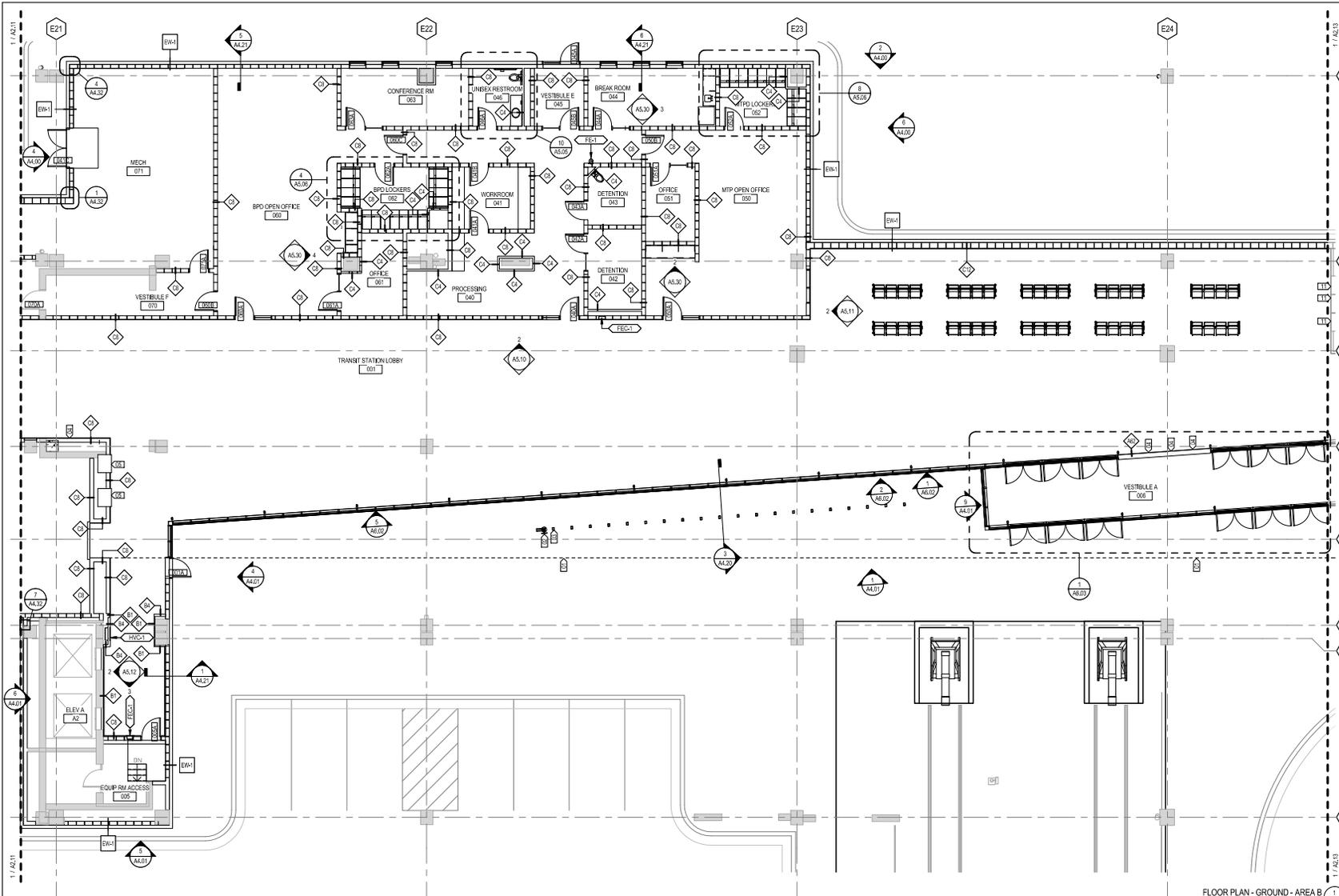
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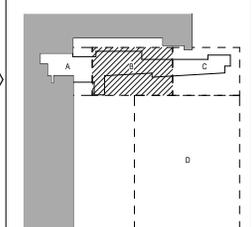
MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
FLOOR PLAN - GROUND - AREA A

PROJECT NO. 62317
 SHEET NO. **A2.11**



- KEY NOTES**
- 01 EXTENT OF CEILING / EXTERIOR CANOPY DASHED ABOVE FOR CLARITY - SEE RCPS
 - 02 BIKE MAINTENANCE FOR CLARITY - SEE RCPS
 - 03 BIKE RACK TYP. OF 20
 - 04 LED SCREEN NEXT TRIP DISPLAY FOR CLARITY - SEE RCPS
 - 05 NEW INSTALLATION LOCATION FOR EXISTING TICKET VENDING MACHINE (TVM)

- SHEET NOTES**
- 1. OFFSET IRREGULARLY ADJACENT DOOR OPENINGS 1/8" INCHES FROM PERPENDICULAR WALL, UNLESS NOTED OTHERWISE (UNCL).



FLOOR PLAN - GROUND - AREA B
1/8" = 1'-0"

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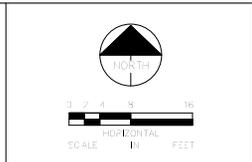
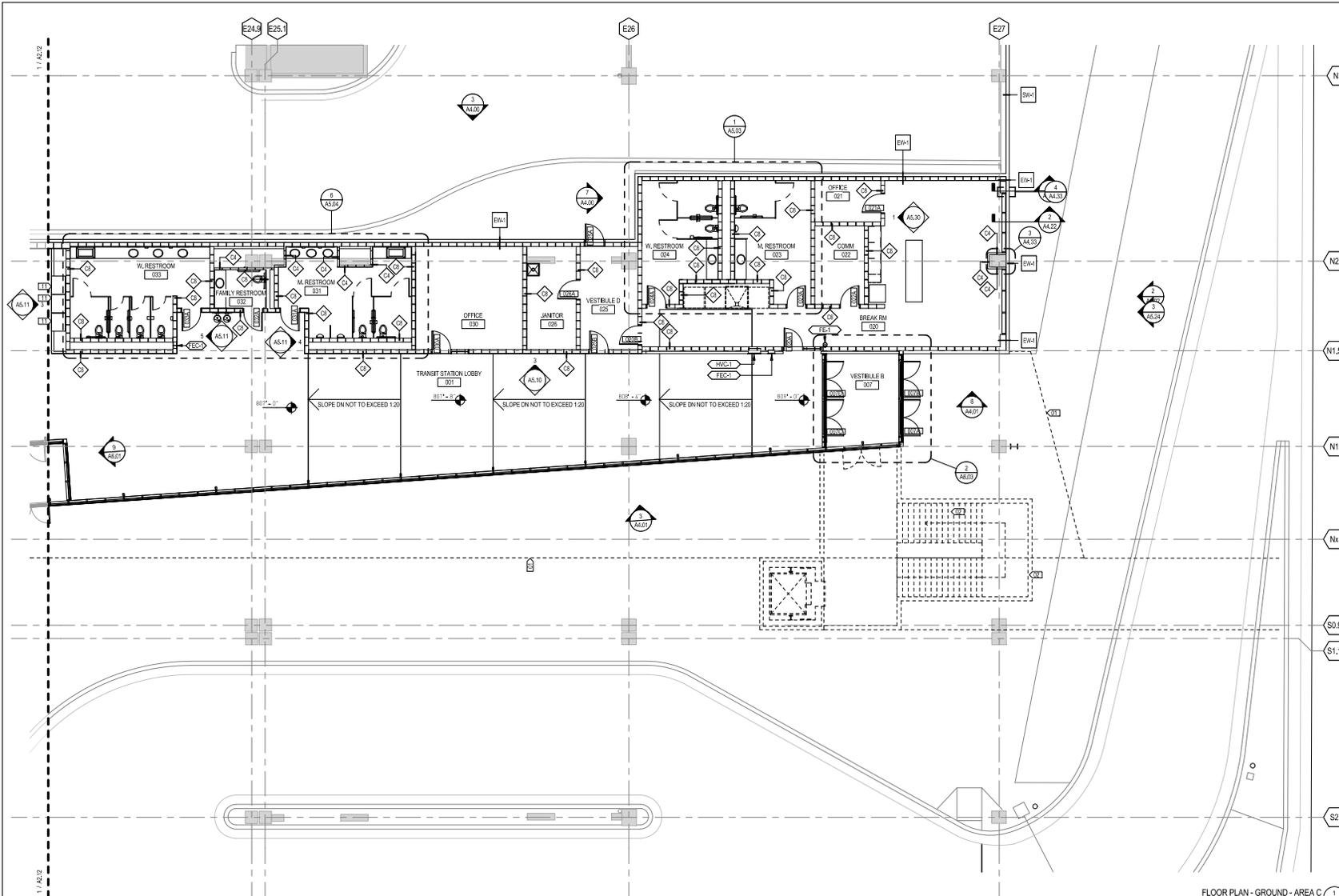
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MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
FLOOR PLAN - GROUND - AREA B

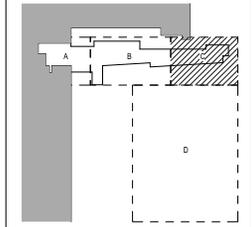
PROJECT NO.
 62317
 SHEET NO.
A2.12

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- KEY NOTES**
- 01 EXTENT OF CEILING / EXTERIOR CANOPY DASHED ABOVE FOR CLARITY - SEE RIPS
 - 02 FUTURE SKYWAY CONNECTION BY OTHERS, FOR INFORMATION ONLY
 - 11 NEW INSTALLATION LOCATION FOR EXISTING TICKET VENDING MACHINE (TVM)

- SHEET NOTES**
- 1. OFFSET IMMEDIATELY ADJACENT DOOR OPENINGS 1/8" INCHES FROM PERPENDICULAR WALL, UNLESS NOTED OTHERWISE (UNCL)



FLOOR PLAN - GROUND - AREA C
11'-0" x 14'-0" (A2.17)

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NO.	DATE	DESCRIPTION OF REVISIONS	APP.

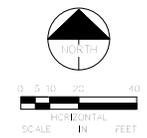
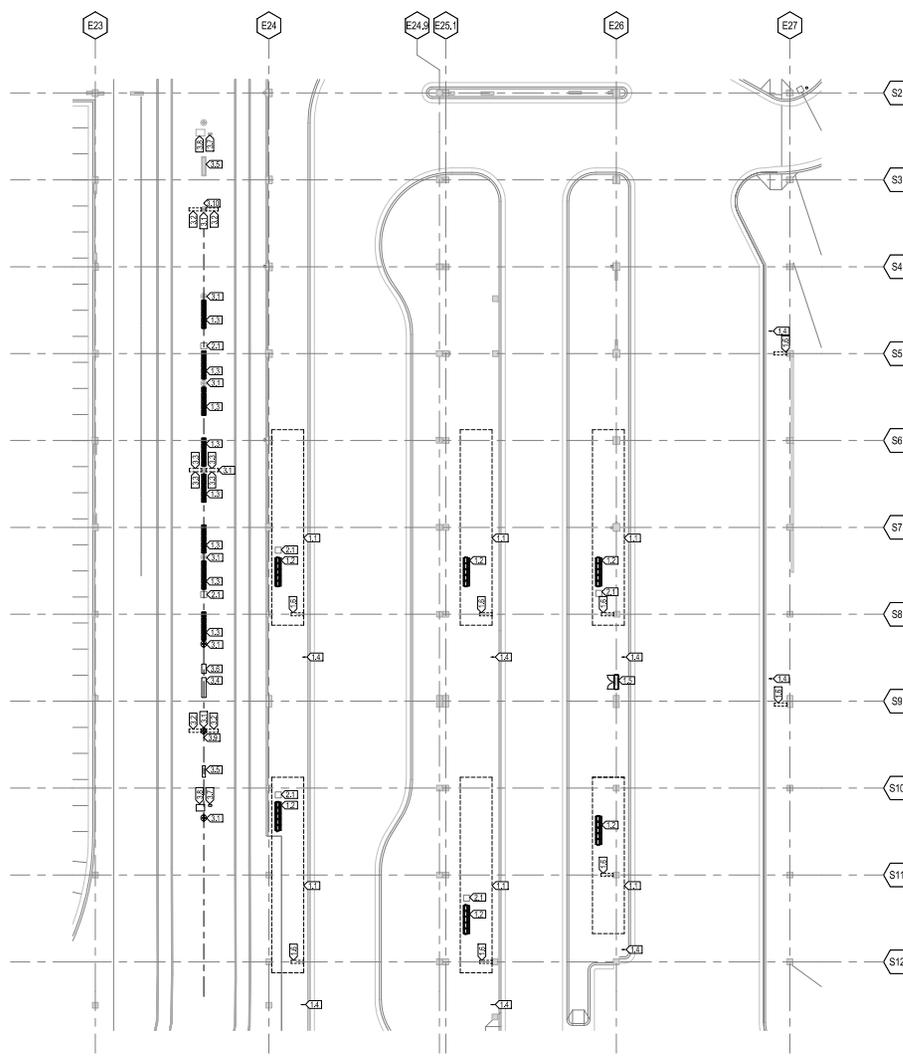
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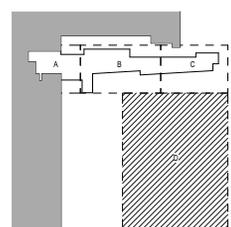
**MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
 FLOOR PLAN - GROUND - AREA C**

PROJECT NO.
62317
 SHEET NO.
A2.13

8/27/2016 7:02:14 AM



- KEY NOTES**
- 1 NEW CONSTRUCTION
 - 1.1 CANOPY (ABOVE)
 - 1.2 SINGLE-SIDED BENCH
 - 1.3 DUAL-SIDED BENCH (BACKLESS)
 - 1.4 BUS GATE LOADING ZONE SIGN W/ANNUNCIATOR AND SPEAKER
 - 1.5 ELECTRICAL CABINET (SEE ELECTRICAL DRAWINGS)
 - 1.6 LED NEXTTRIP DISPLAY ABOVE WITH STATIC GATE ID LETTER
 - 2 PROVIDED AND INSTALLED BY OTHERS
 - 2.1 TRASH/RECEPTICAL
 - 3 EXISTING TO REMAIN
 - 3.1 TECHNOLOGY COLUMN, PAINT ALL PAINTED SURFACES AND EQUIPMENT - FINISH (DO NOT PAINT UNPAINTED EQUIPMENT OR PRE-CAST BASE)
 - 3.2 LED NEXTTRIP DISPLAY ABOVE
 - 3.3 LED NEXTTRIP DISPLAY ABOVE
 - 3.4 ELECTRICAL CABINET
 - 3.5 ON-PLATFORM NDSK
 - 3.6 SSP-A CABINET
 - 3.7 VALIDATOR
 - 3.8 T/M
 - 3.9 EMERGENCY TELEPHONE
 - 3.10 PAY TELEPHONE



FLOOR PLAN - GROUND - AREA D
DATE: 10/20/15

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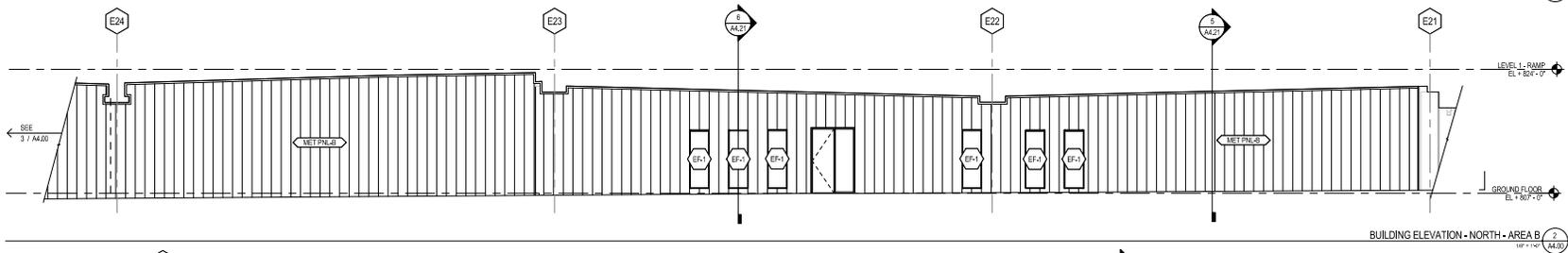
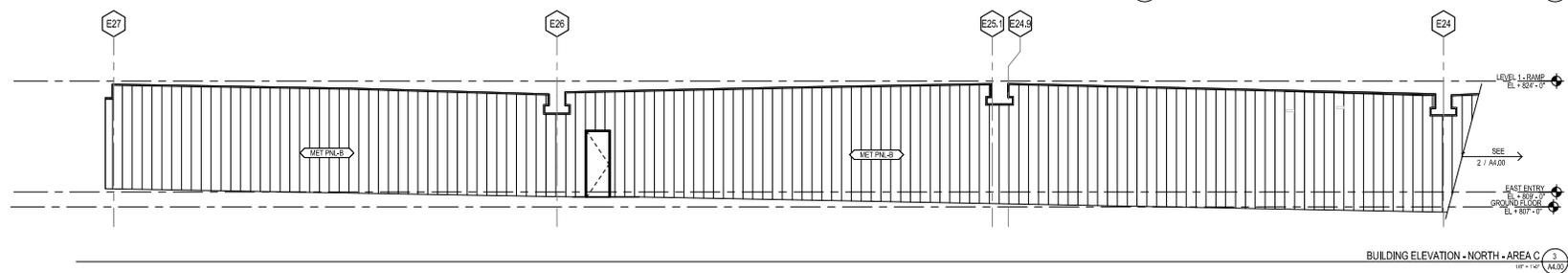
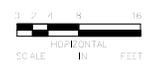
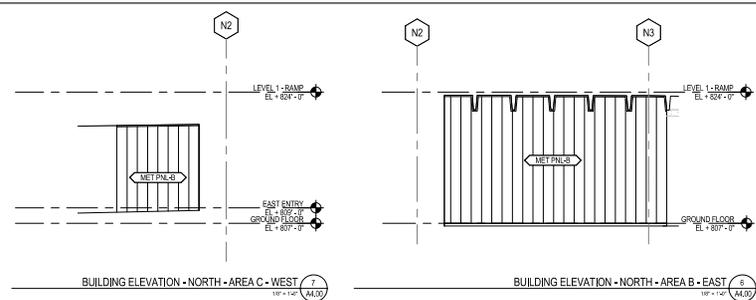
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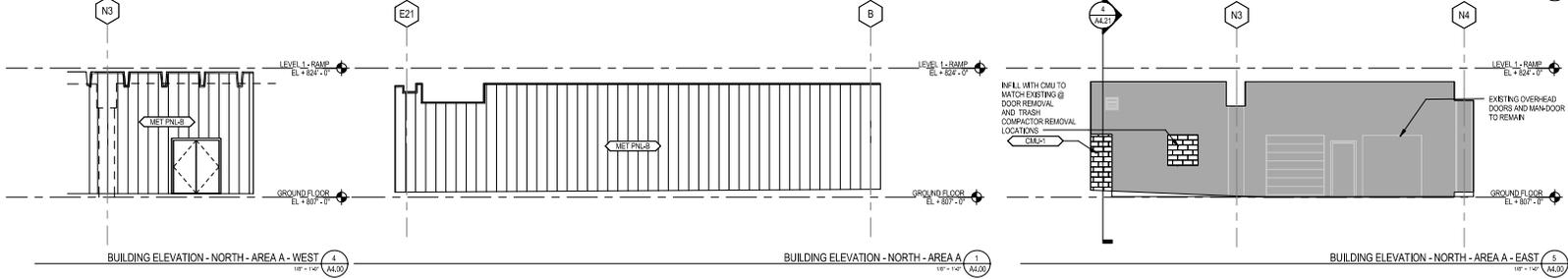
MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
FLOOR PLAN - GROUND - AREA D

PROJECT NO.
 62317
 SHEET NO.
A2.14

8/27/2016 7:02:18 PM



- SHEET NOTES**
1. BUILDING HEIGHTS DIMENSIONS ARE MEASURED FROM DATUM LINE (±). VERIFY ALL SLABDECK HEIGHTS, SLOPES, AND ELEVATIONS ON FLOOR PLANS, SECTIONS, AND DETAILS.
 2. PAINT ALL EXPOSED METAL FLASHING TO MATCH COLOR OF ADJACENT SURFACE. VENTS PROVIDE FLASHING FOR ALL ITEMS PENETRATING EXTERIOR WALL CONSTRUCTION.



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NO.	DATE	DESCRIPTION OF REVISIONS	APP.

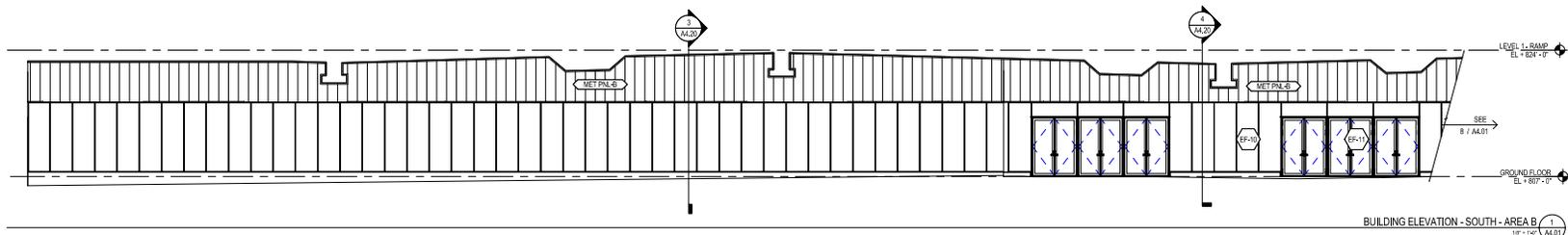
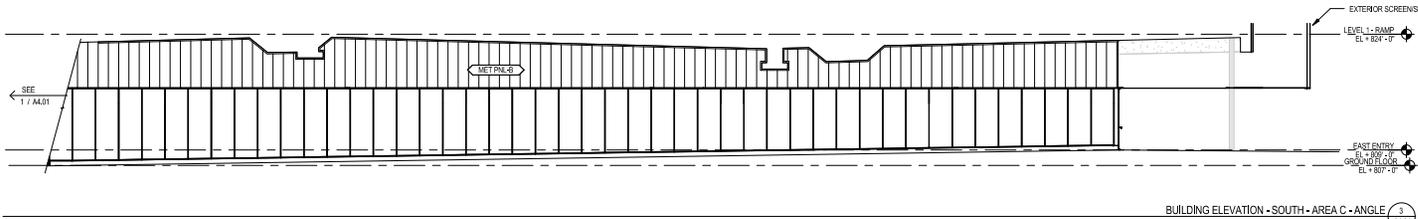
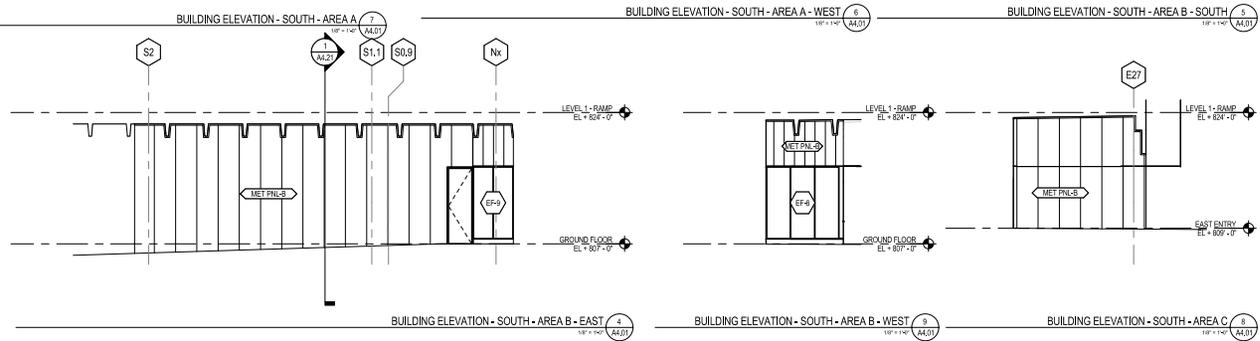
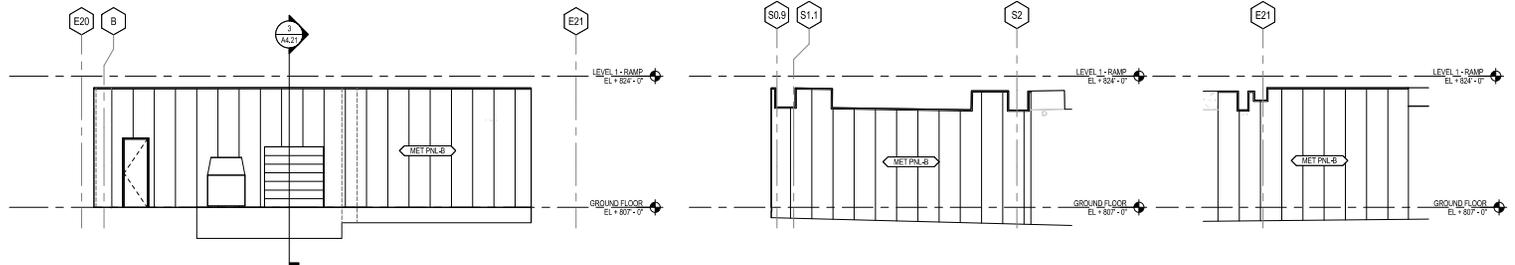
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 DATE: 08/29/2016



MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
EXTERIOR ELEVATIONS - NORTH

PROJECT NO.	62317
SHEET NO.	A4.00

8/27/2016 7:06:37 PM



- SHEET NOTES**
1. BUILDING HEIGHTS/DIMENSIONS ARE MEASURED FROM DATUM LINE(S). VERIFY ALL SLAB/ROCK HEIGHTS, SLOPES, AND ELEVATIONS ON FLOOR PLANS, SECTIONS, AND DETAILS.
 2. PAINT ALL EXPOSED METAL FLASHING TO MATCH COLOR OF ADJACENT SURFACE(S). PROVIDE FLASHING FOR ALL ITEMS PENETRATING EXTERIOR WALL CONSTRUCTION.

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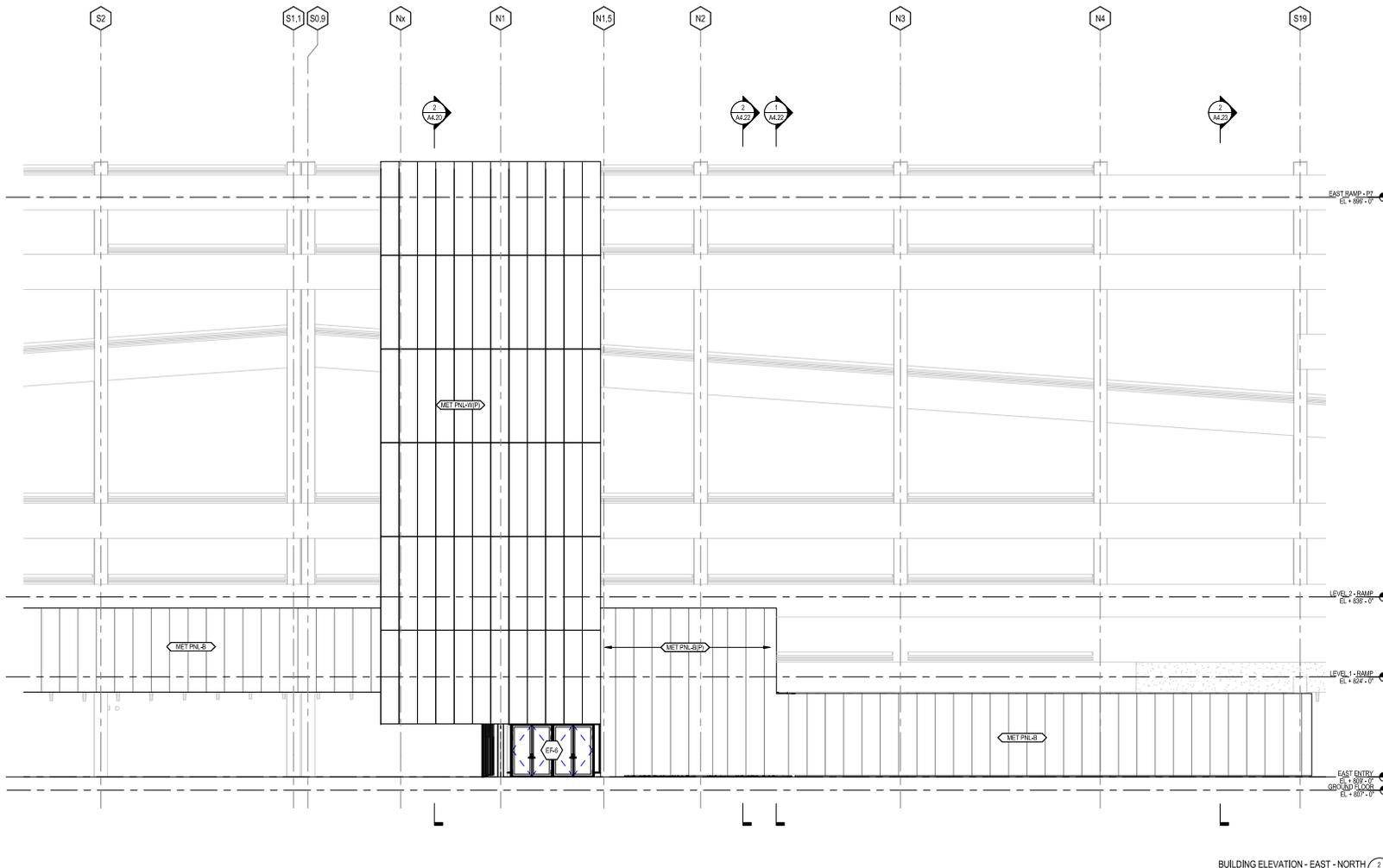
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		DESIGNED BY: MS/JD	
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		CHECKED BY: MS	
		DATE: 08/29/2016	



**MALL OF AMERICA
TRANSIT STATION RENOVATIONS
EXTERIOR ELEVATIONS - SOUTH**

PROJECT NO.	62317
SHEET NO.	A4.01

8/27/2016 7:05:30 PM



SHEET NOTES

1. BUILDING HEIGHTS DIMENSIONS ARE MEASURED FROM DATUM LINE(S). VERIFY ALL SLAB/DECK HEIGHTS, SLOPES, AND ELEVATIONS ON FLOOR PLANS, SECTIONS, AND DETAILS.
2. PAINT ALL EXPOSED METAL FLASHING TO MATCH COLOR OF ADJACENT SURFACE. UNDO PROVIDE FLASHING FOR ALL ITEMS PENETRATING EXTERIOR WALL CONSTRUCTION.

BUILDING ELEVATION - EAST - NORTH 2

DRAFT FOR REVIEW - NOT FOR CONSTRUCTION

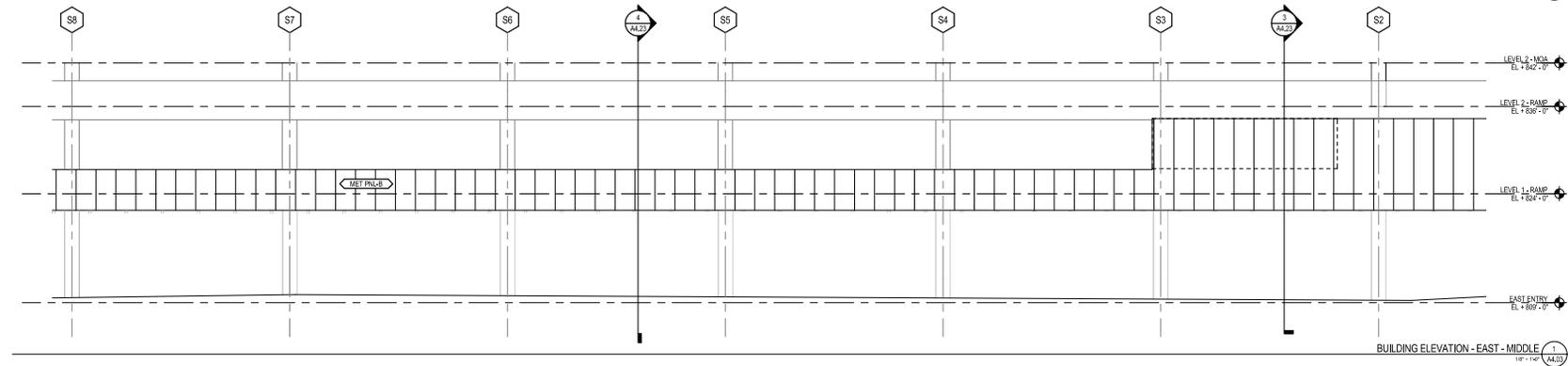
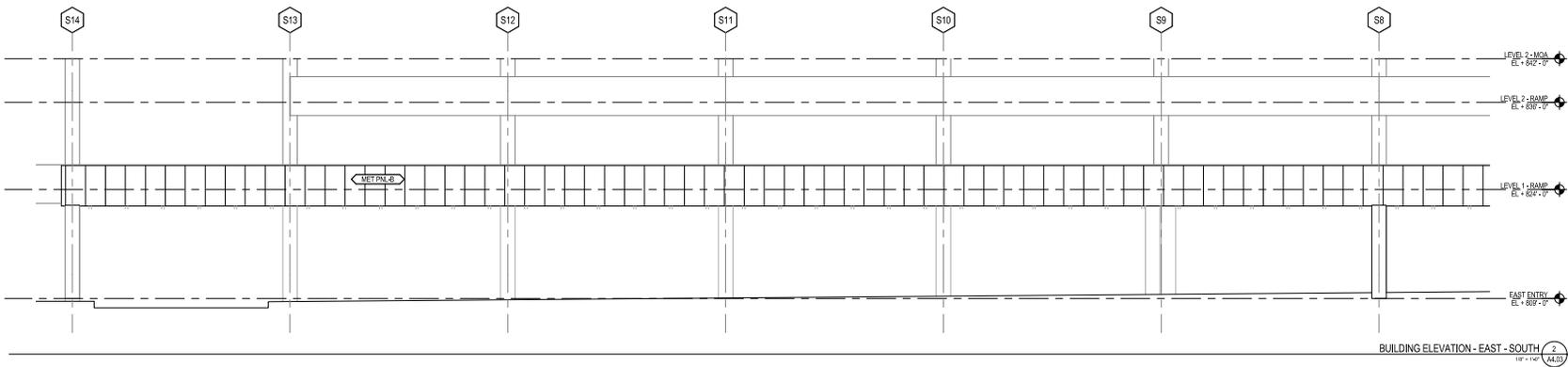
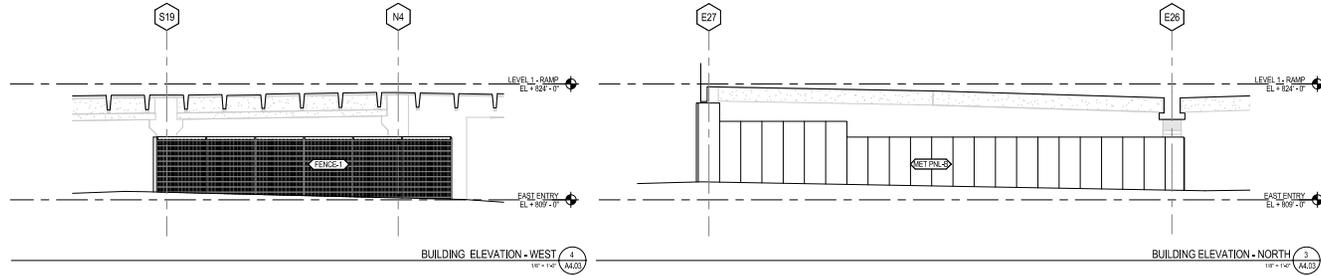
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			DESIGNED BY: MS/JD
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			DATE: 08/29/2016



**MALL OF AMERICA
TRANSIT STATION RENOVATIONS
EXTERIOR ELEVATIONS - EAST**

PROJECT NO.	62317
SHEET NO.	A4.02

8/27/2016 7:05:33 PM



SHEET NOTES

1. BUILDING HEIGHTS DIMENSIONS ARE MEASURED FROM DATUM LINE(S). VERIFY ALL SLABDECK HEIGHTS, SLOPES, AND ELEVATIONS ON FLOOR PLANS, SECTIONS, AND DETAILS.
2. PAINT ALL EXPOSED METAL FLASHING TO MATCH COLOR OF ADJACENT SURFACE(S). PROVIDE FLASHING FOR ALL ITEMS PENETRATING EXTERIOR WALL CONSTRUCTION.

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NO.	DATE	DESCRIPTION OF REVISIONS	APP.

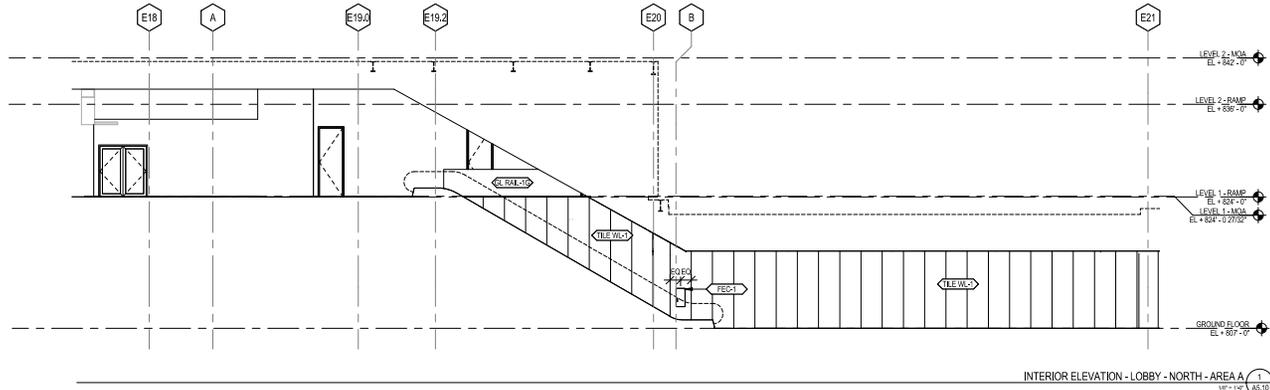
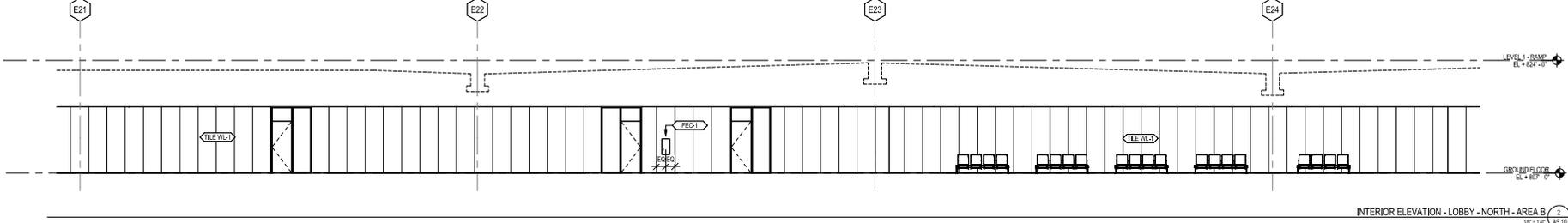
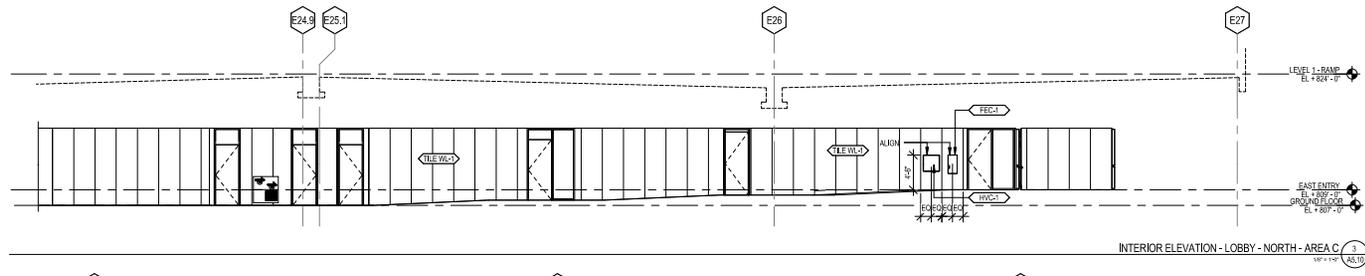
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DRAWN BY: AS
CHECKED BY: MS
DATE: 08/29/2016



**MALL OF AMERICA
TRANSIT STATION RENOVATIONS
EXTERIOR ELEVATIONS - EAST**

PROJECT NO. 62317
SHEET NO. A4.03

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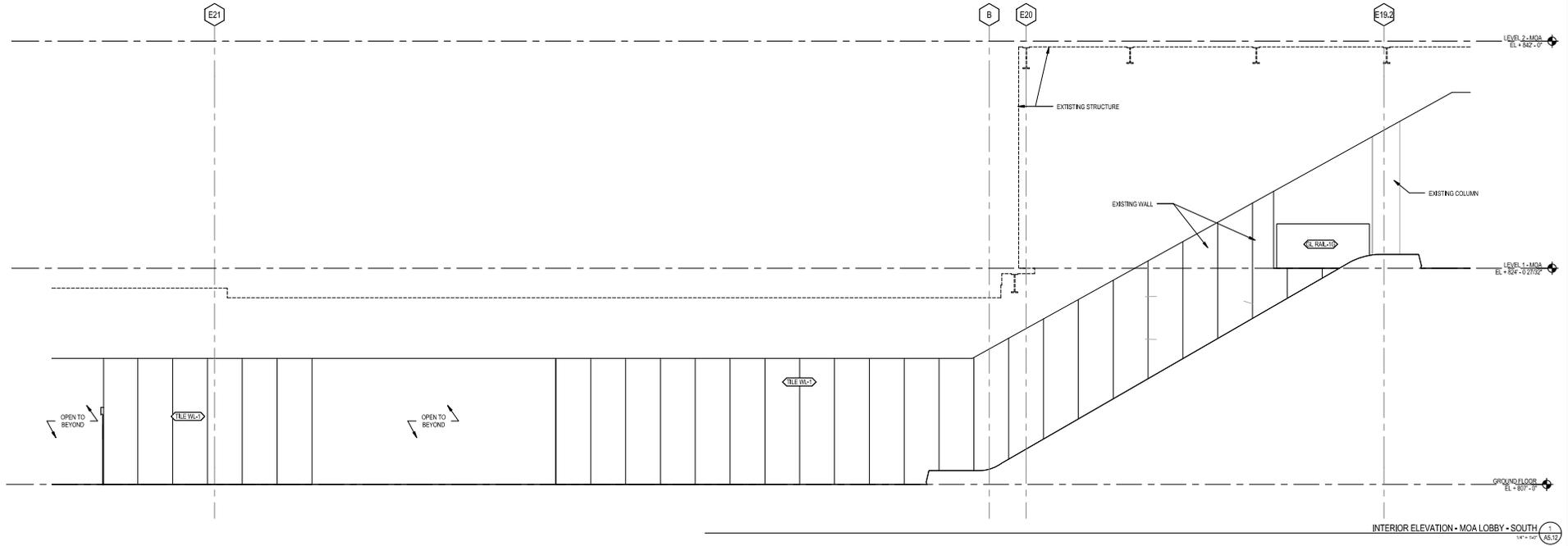
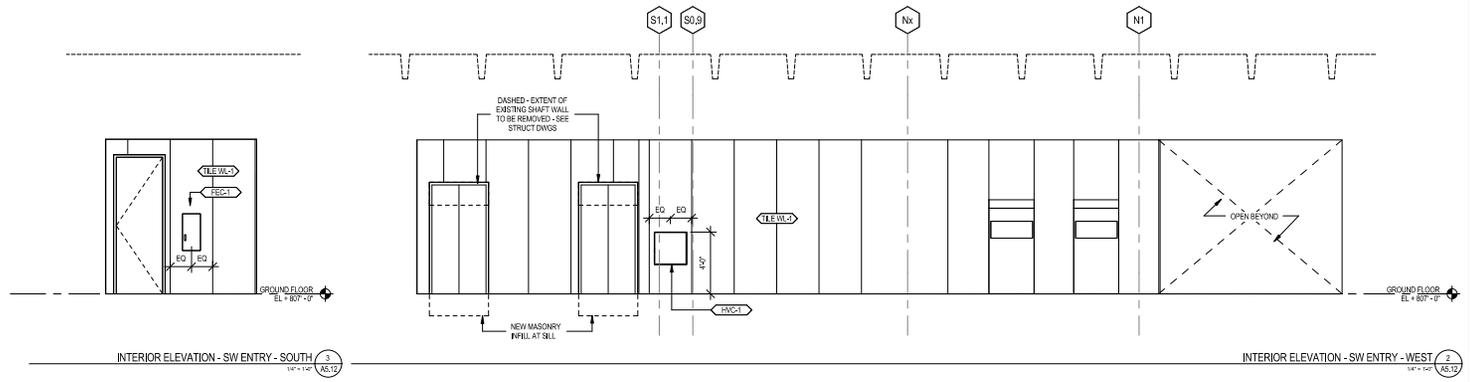
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 DATE: 08/29/2016



MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
**INTERIOR ELEVATIONS - OVERALL
 NORTH WALL**

PROJECT NO.	62317
SHEET NO.	A5.10

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NO.	DATE	DESCRIPTION OF REVISIONS	APP.

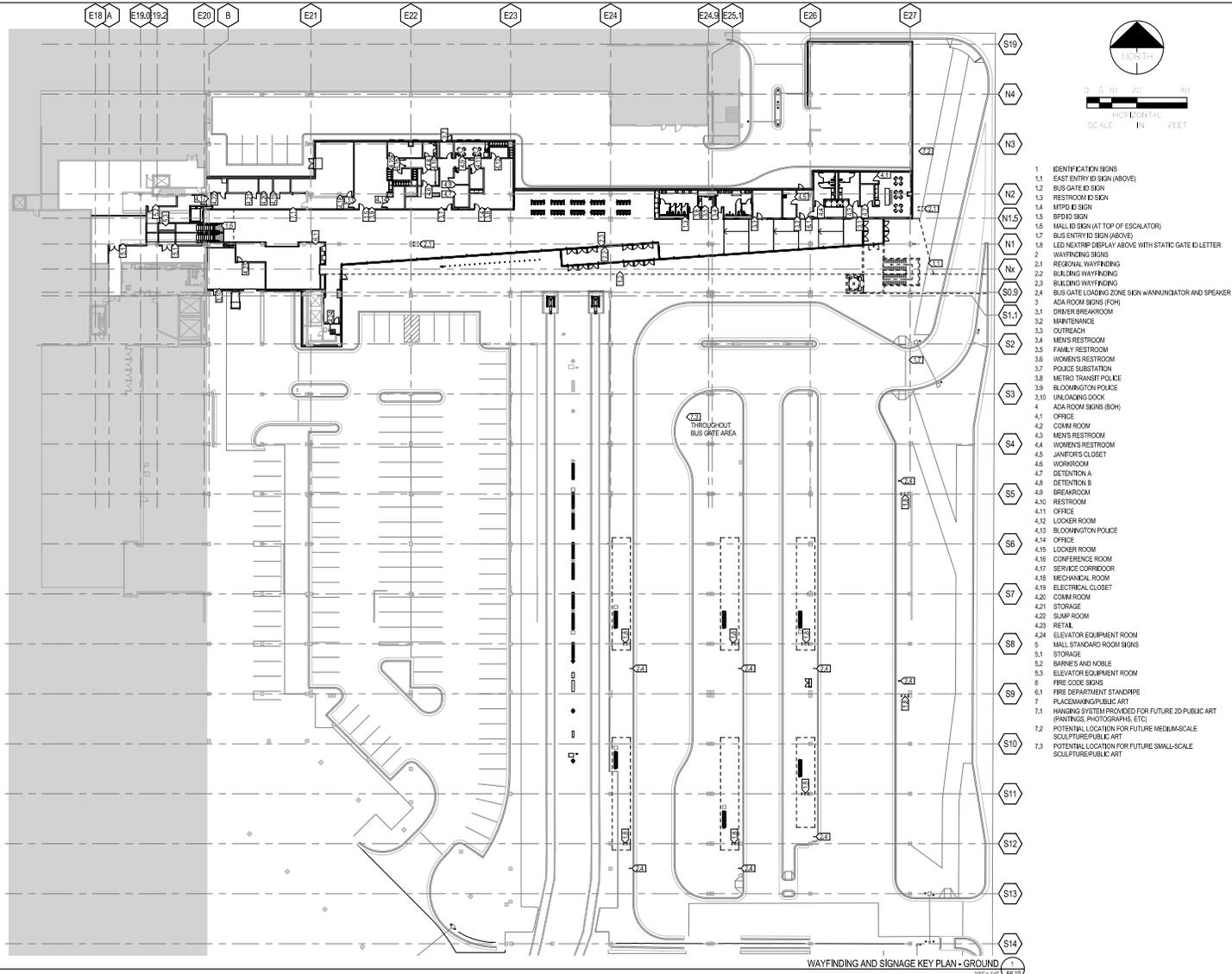
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MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
**INTERIOR ELEVATIONS - SOUTH
 WALL**

PROJECT NO.	62317
SHEET NO.	A5.12

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WAYFINDING AND SIGNAGE KEY PLAN - GROUND

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		DESIGNED BY: MS/JD	
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		CHECKED BY: MS	
		DATE: 08/29/2016	



MALL OF AMERICA
 TRANSIT STATION RENOVATIONS
**WAYFINDING, SIGNAGE AND
 PLACEMAKING**

PROJECT NO.	62317
SHEET NO.	A6.10

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