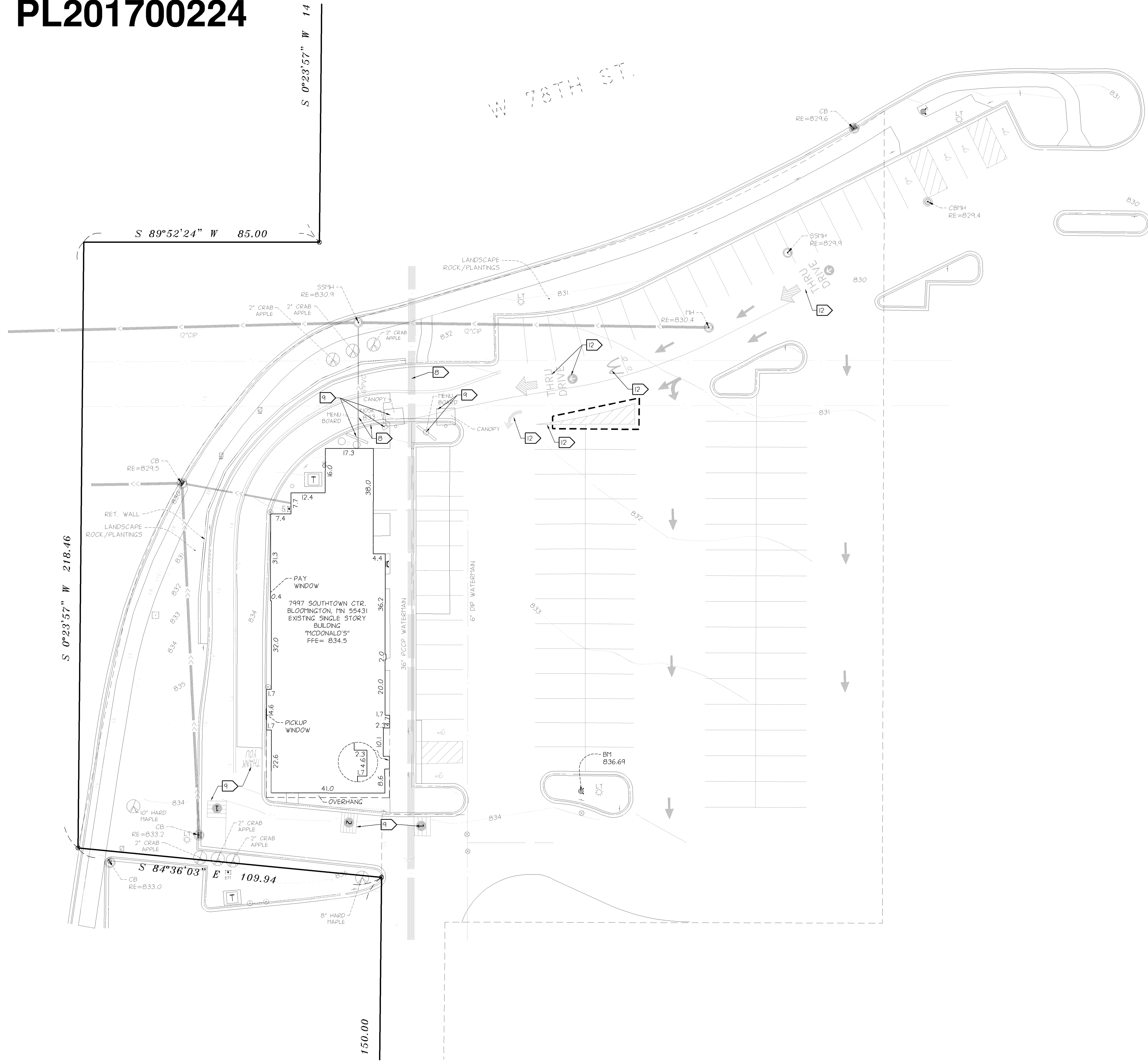


PL201700224



EXISTING CONDITIONS

- BACKGROUND INFORMATION SHOWN IS FROM SURVEY BY LANDFORM PROFESSIONAL SERVICES, LLC, MINNEAPOLIS, MN, ON JANUARY 18, 2017, EXPRESSLY FOR THIS PROJECT; BLOOMINGTON, MN RECORD DRAWINGS; AND UTILITY SERVICE PROVIDERS. LANDFORM OFFERS NO WARRANTY, EXPRESSED OR WRITTEN, FOR INFORMATION PROVIDED BY OTHERS. EXISTING PROJECT CONDITIONS SHALL BE VERIFIED PRIOR TO BEGINNING CONSTRUCTION. ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

DEMOLITION AND CLEARING NOTES

- OBTAIN PERMITS FOR DEMOLITION, CLEARING, AND DISPOSAL PRIOR TO BEGINNING.
- CONTACT UTILITY SERVICE PROVIDERS FOR FIELD LOCATION OF SERVICES 72 HOURS PRIOR TO BEGINNING DEMOLITION AND CLEARING.
- DIMENSIONS SHOWN FOR REMOVAL ARE APPROXIMATE. COORDINATE WITH NEW CONSTRUCTION TO ENSURE APPROPRIATE REMOVAL OF EXISTING FACILITIES.
- SAWCUT EXISTING PAVEMENT. REMOVE CONCRETE WALKS AND CURBING TO THE NEAREST EXISTING JOINT BEYOND CONSTRUCTION LIMITS.
- COMPLETE DEMOLITION WITH MINIMAL DISRUPTION OF TRAFFIC. COORDINATE LANE CLOSURES WITH THE REGULATORY AUTHORITY AND PROVIDE ADVANCE NOTIFICATION TO AFFECTED EMERGENCY RESPONSE PROVIDERS.
- PROVIDE BARRICADES, LIGHTS, SIGNS, TRAFFIC CONTROL, AND OTHER MEASURES NECESSARY FOR PROTECTION AND SAFETY OF THE PUBLIC AND MAINTAIN THROUGHOUT CONSTRUCTION. THE CITY REQUIRES TRAFFIC CONTROL MEASURES TO BE IN PLACE DURING UTILITY INSTALLATION, EXISTING BUILDING DEMOLITION, DRIVEWAY INSTALLATION, SIDEWALK INSTALLATION AND FINAL RESTORATION WITHIN THE RIGHT-OF-WAY.
- PROTECT STRUCTURES, UTILITIES, TREES, PLANT MATERIAL, SOD, AND ADJACENT PROPERTY FROM DAMAGE DURING CONSTRUCTION UNLESS NOTED FOR REMOVAL. DAMAGE SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION AT NO ADDITIONAL COST.
- REMOVE EXISTING SITE FEATURES INCLUDING, BUT NOT LIMITED TO, UNDERGROUND UTILITIES, PAVING, CURBING, WALKWAYS, FENCING, RETAINING WALLS, SCREEN WALLS, APRONS, LIGHTING, RELATED FOUNDATIONS, SIGNAGE, BOLLARDS, LANDSCAPING, AND STAIRWAYS WITHIN THE CONSTRUCTION LIMITS UNLESS NOTED OTHERWISE.
- COORDINATE REMOVAL, RELOCATION, TERMINATION, AND RE-USE OF EXISTING PRIVATE UTILITY SERVICES AND APPURTENANCES WITH THE UTILITY COMPANIES. RESTORE ELECTRIC HANDHOLES, PULLBOXES, POWERPOLES, GUYLINES, AND STRUCTURES DISTURBED BY CONSTRUCTION IN ACCORDANCE WITH UTILITY OWNER REQUIREMENTS.
- HAUL DEMOLITION DEBRIS OFF-SITE TO A FACILITY APPROVED BY REGULATORY AUTHORITIES FOR THE HANDLING OF DEMOLITION DEBRIS.
- REMOVE PAVEMENT MARKINGS.

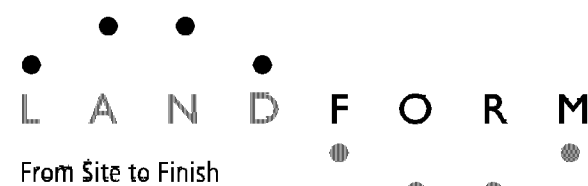
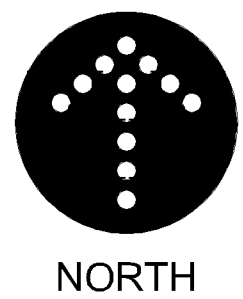
DEMOLITION LEGEND

- TREE/SHRUB REMOVAL
- CURB REMOVAL
- PAVEMENT SAWCUT
- CONSTRUCTION LIMITS
- TREE PROTECTION
- UTILITY LINE REMOVAL

McDONALD'S USA, LLC.

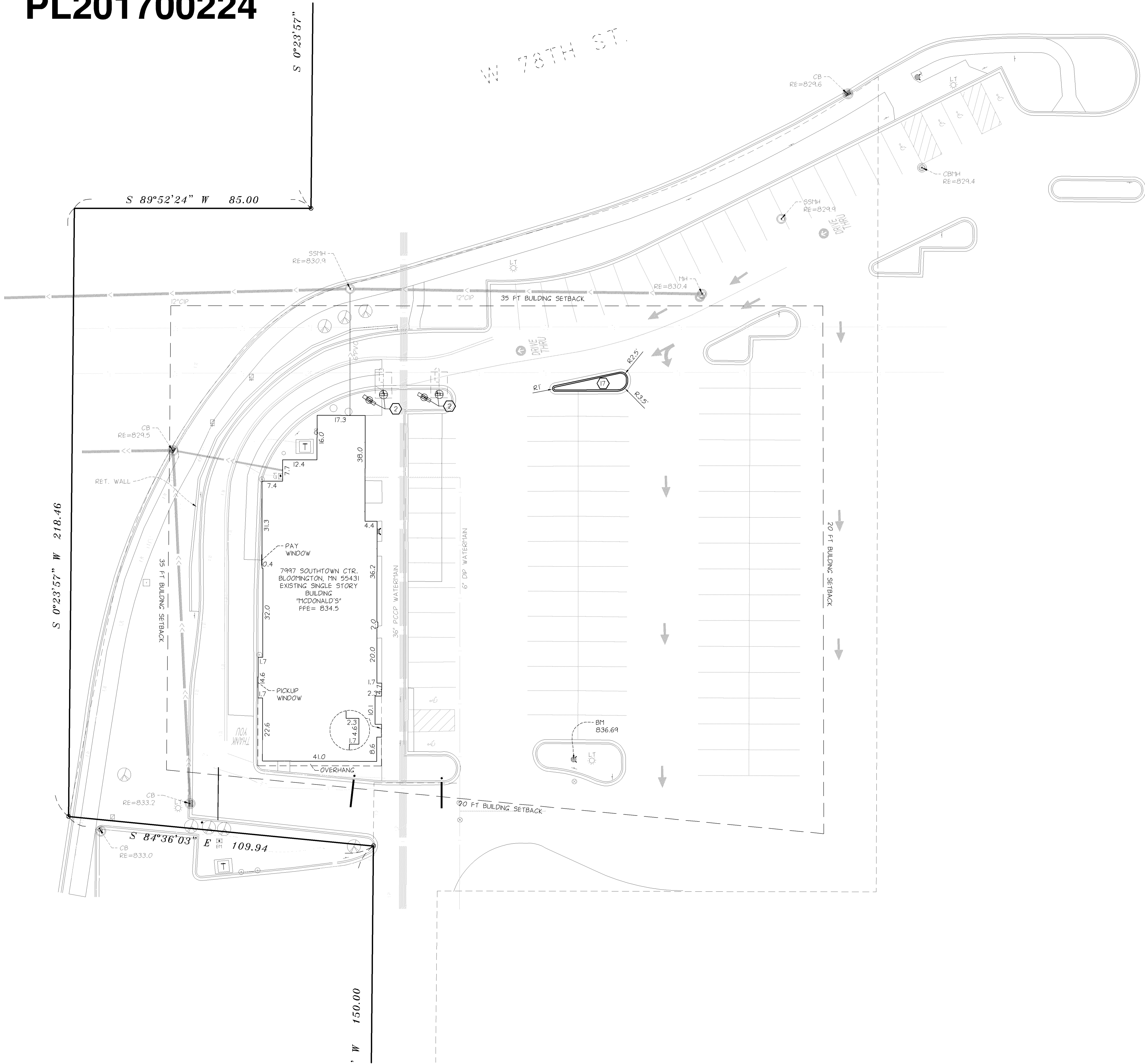
THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF McDONALD'S USA, LLC. NO PART OF THESE DRAWINGS OR SPECIFICATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF McDONALD'S USA, LLC. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECT OR AT A LATER DATE. USE OF THESE DRAWINGS FOR ANY OTHER PROJECT OR AT A LATER DATE WITHOUT THE WRITTEN PERMISSION OF McDONALD'S USA, LLC IS STRICTLY PROHIBITED. THE SERVICES OF McDONALD'S USA, LLC ARE NOT GUARANTEED. THE SERVICES OF McDONALD'S USA, LLC ARE PROVIDED AS A PROFESSIONAL SERVICE AND ARE NOT TO BE USED FOR ANY OTHER PROJECT OR AT A LATER DATE WITHOUT THE WRITTEN PERMISSION OF McDONALD'S USA, LLC.

DRAWN BY TDP	STATE MN	CITY BLOOMINGTON	COUNTY HENNEPIN	STREET ADDRESS 7997 SOUTHTOWN CENTER	SHEET NAME EXISTING CONDITIONS & DEMOLITION	DATE ISSUED 07-10-17	DATE REVIEWED 10-11-17
PROJECT NO. C1.1		NATIONAL NUMBER 19761		STATE NUMBER 022-0916		FILE NAME C101MCD208.DWG	
						PROJECT NO. MCD12208	



105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Tel: 612-252-9070
Fax: 612-252-9077
Web: landform.net

PL201700224



Add bike rack or
identify existing bike
racks to ensure they
meeting bike parking
requirements.

SITE CONSTRUCTION NOTES

1. McDONALD'S PYLON SIGN. - NOT USED.
2. DRIVE-THRU SIGNALS. SEE SHEET C2.2.
3. CONCRETE DRIVE APRONS AND SLABS. REFER TO SHEET C3.1 FOR SPECIFICATIONS. - NOT USED.
4. CONCRETE SIDEWALK. MEET AND MATCH EXISTING SIDEWALK. REFER TO SHEET C3.1. - NOT USED.
5. CONCRETE PATIO. MEET AND MATCH SIDEWALK. - NOT USED.
6. BITUMINOUS PAVEMENT. REFER TO SHEET C3.1 FOR SPECIFICATIONS. - NOT USED.
7. PARKING LOT LIGHT. REFER TO SHEET C2.4 FOR DETAILS. - NOT USED.
8. 6' X 42' RAILING. REFER TO ARCHITECTURAL. - NOT USED.
9. PLANTING AREA. REFER TO SHEET B2.1 FOR DETAILS. - NOT USED.
10. TRASH ENCLOSURE. REFER TO ARCHITECTURAL. - NOT USED.
11. STACKING DISTANCE IS 98'
12. CONNECTION TO PUBLIC SIDEWALK. - NOT USED.
13. BKS RACK. REFER TO SHEET B2.1 FOR DETAILS. - NOT USED.
14. ROCK MOUND TO MATCH ADJACENT ISLANDS.

SITE PLAN NOTES

1. OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WITHIN, OR USE OF, PUBLIC RIGHT-OF-WAY.
2. THE DIGITAL FILE, WHICH CAN BE OBTAINED FROM THE ENGINEER, SHALL BE USED FOR STAKING. DISCREPANCIES BETWEEN THE DRAWINGS AND THE DIGITAL FILE SHALL BE REPORTED TO THE ENGINEER. THE BUILDING FOOTPRINT, AS SHOWN ON THESE DRAWINGS, AND THE DIGITAL FILE, SHALL BE COMPARED TO THE STRUCTURAL DRAWINGS PRIOR TO STAKING.
3. DIMENSIONS SHOWN ARE TO FACE OF CURB AND EXTERIOR FACE OF BUILDING UNLESS NOTED OTHERWISE.

GREEN SPACE

McDONALD'S USA, LLC.

THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF McDONALD'S. NO PART OF THESE DRAWINGS OR SPECIFICATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF McDONALD'S. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECT OR AT A LATER DATE. USE OF THESE DRAWINGS FOR ANY OTHER PROJECT OR AT A LATER DATE WITHOUT THE WRITTEN PERMISSION OF McDONALD'S IS A VIOLATION OF THE TERMS OF THE CONTRACT DOCUMENTS FOR THIS PROJECT AND MAY BE SUBJECT TO LEGAL ACTION.

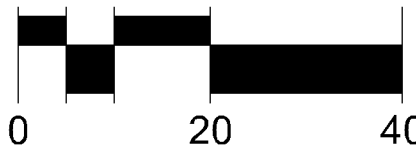
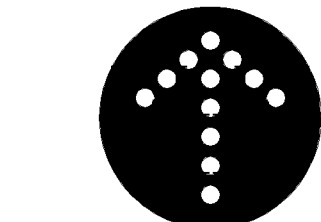
OFFICE ADDRESS: 650 W. 82ND STREET #900 BLOOMINGTON, MINNESOTA 55431-9888 (952)-884-4355

DRAWN BY	tdp
PROTOD	ISSUED
REVIEWED BY	CNC
DATE REVIEWED	07-10-17
DATE ISSUED	10-11-17

CITY	BLOOMINGTON
STATE	MN
COUNTY	HENNEPIN
STREET ADDRESS	7997 SOUTHTOWN CENTER
SHEET NAME	SITE PLAN
NATIONAL NUMBER	19761
STATE NUMBER	022-0916

C2.1

FILE NAME: C201MCD208.DWG
PROJECT NO. MCD12208

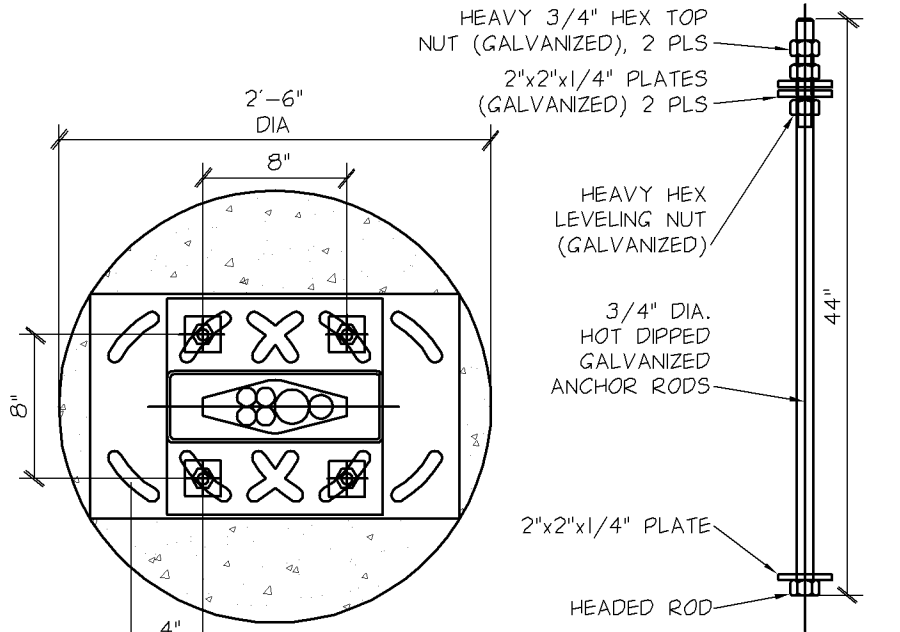
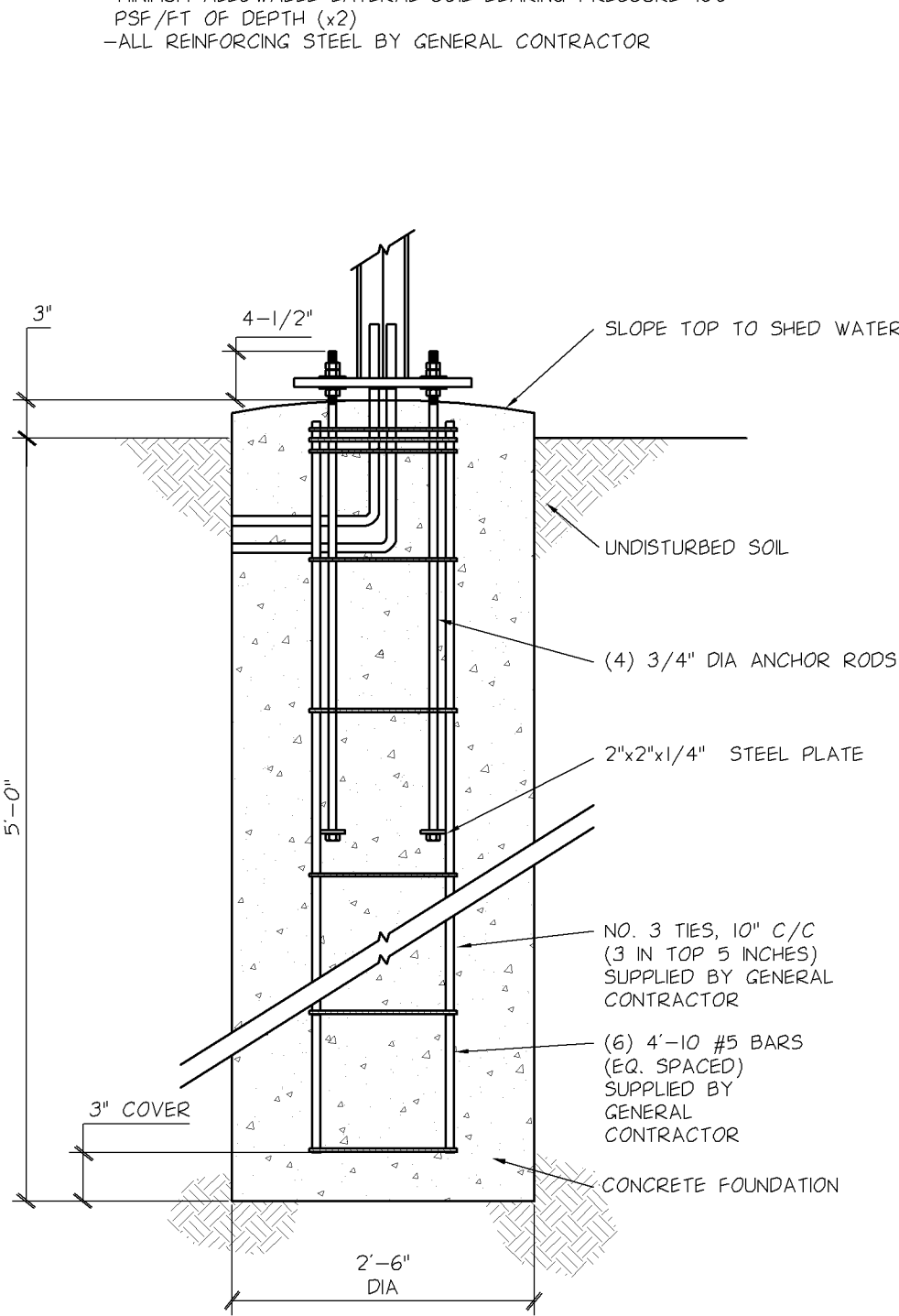


LANDFORM
From Site to Finish

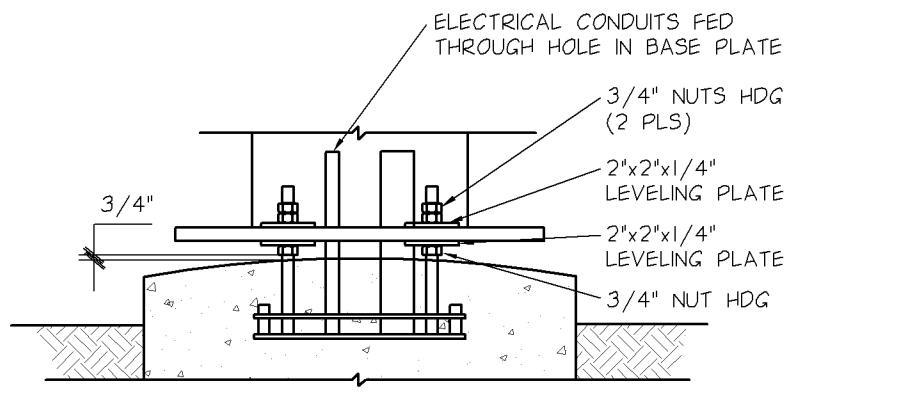
105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Tel: 612-252-9070
Fax: 612-252-9077
Web: landform.net

FOUNDATION NOTES:
-PIER DEPTHS REQUIRED ARE MINIMUM. ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE 100 PSF/FT OF DEPTH (x2)
-ALL REINFORCING STEEL BY GENERAL CONTRACTOR

NOTES:
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER



ANCHOR BOLT PATTERN - NTS
NOTES:
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



ODMB AND PRE-BROWSE FOUNDATION - 90 MPH

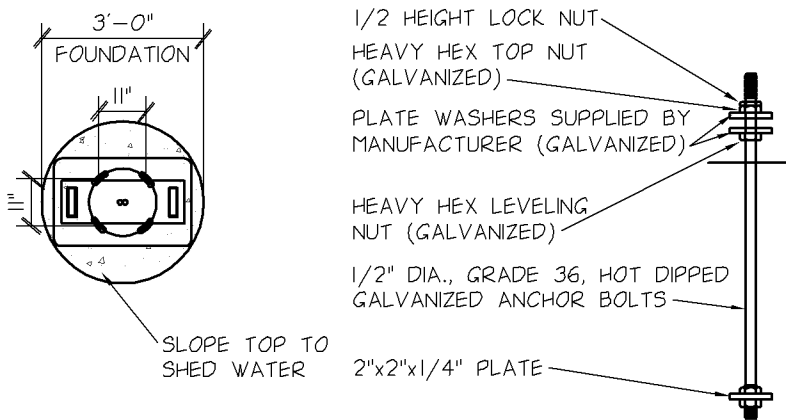
NO SCALE

GENERAL NOTES

-THE FOLLOWING CODES WERE USED IN DESIGN:
-IBC 2009
-ASCE 7-05
-AISC 13th EDITION
-AWSDI
-WIND SPEED 100 MPH (ULTIMATE WIND SPEED)
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-AXIAL - 325#
-SHEAR - 104#
-MOMENT - 407#
-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE.
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 100PSF/FT (x2).
-SITE SOIL CONDITIONS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. IF ASSUMED SOIL CONDITIONS ARE NOT PRESENT, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.
-TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE).
-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
CONCRETE:
-ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FULL COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE.
-ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-MINIMUM CONCRETE STRENGTH (F'_c=3000 PSI) SHALL CONFORM WITH MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A.
-USE OF ADVERTISEMENTS SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 2.6.
-AIR ENTRAINMENT SHALL CONFORM WITH MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 2.6-A & 2.13-A.
-WATER CONTENT RATIO SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A.
-FOUNDATION CONCRETE TO BE TESTED PER MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 3.14.
-PROVIDE A MINIMUM 3" OF CONCRETE COVER OVER ALL EMBEDDED STEEL.
-REINFORCEMENT PLACEMENT SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 3.2 & 3.3, PERFORMED BY GENERAL CONTRACTOR.
-ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE.
-DO NOT PLACE POLES ON CONCRETE UNTIL CONCRETE HAS CURED PER MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 3.11-E.
STEEL:
-STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (F_y=35kN)
-RSS ROUND SECTION: ASTM A500 GRADE B (F_y=42kN)
-RSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (F_y=46kN)
-HEADED ANCHOR RODS ASTM F193A OR 95, AN ACCEPTABLE ALTERNATIVE IS ASTM F193A OR 95, 31 WHEN THE EMBEDDED END OF THE ROD IS THERMALLY AND THE NUT FACE WELDED PRIOR TO GALVANIZATION.
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: ASTM A615 GRADE 60 - BY GENERAL CONTRACTOR
-NUTS: ASTM A563M, HEAVY HEX
-WASHERS: ASTM F444 A36
-USE HOT DIPPED GALVANIZED BOLTS AND FASTENERS
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER.
-NO FIELD HEATING TO BEND STEEL SHALL BE ALLOWED WITHOUT ENGINEER'S APPROVAL.
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE.
-AFTER INSTALLATION, ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
-ANY FIELD WELDING SHALL FIRST BE VERIFIED BY ENGINEER AND PERFORMED IN ACCORDANCE WITH AWS D11.
-REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
-CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
-DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS.
-ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER.

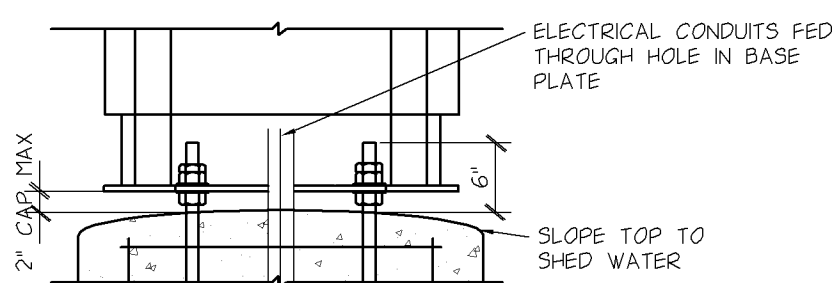
GENERAL NOTES

-THE FOLLOWING CODES WERE USED IN DESIGN:
-IBC 2009
-ASCE 7-05
-AISC 13th EDITION
-AWSDI
-WIND SPEED 100 MPH, 3 SEC GUST
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-AXIAL - 2600 LBS
-SHEAR - 2400 LBS
-MOMENT - 14,500 LB-FT
-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE.
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 100PSF/FT (x2).
-SITE SOIL CONDITIONS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. IF ASSUMED SOIL CONDITIONS ARE NOT PRESENT, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.
-TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE).
-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
CONCRETE:
-ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FULL COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE.
-ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-MINIMUM CONCRETE STRENGTH (F'_c) SHOULD CONFORM WITH MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A.
-USE OF ADVERTISEMENTS SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.6.
-AIR ENTRAINMENT SHALL CONFORM WITH MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 2.6-A & 2.13-A.
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-FOUNDATION CONCRETE TO BE TESTED PER MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 3.14.
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-REINFORCEMENT PLACEMENT SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 3.2 & 3.3, PERFORMED BY GENERAL CONTRACTOR.
-ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE.
-DO NOT PLACE POLES ON CONCRETE UNTIL CONCRETE HAS CURED PER MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATION, SECTION 3.11-E.
STEEL:
-STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (F_y = 35kN)
-RSS ROUND SECTION: ASTM A500 GRADE B (F_y = 42kN)
-RSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (F_y = 46kN)
-CONNECTION BOLTS A325
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: GRADE 60 - BY GENERAL CONTRACTOR
-NUTS: A563M OR A194-2H
-WASHERS: A36
-USE HOT DIPPED GALVANIZED BOLTS AND FASTENERS
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER.
-NO FIELD HEATING TO BEND STEEL SHALL BE ALLOWED WITHOUT ENGINEER'S APPROVAL.
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE.
-AFTER INSTALLATION, ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
-ANY FIELD WELDING SHALL FIRST BE VERIFIED BY ENGINEER AND PERFORMED IN ACCORDANCE WITH AWS D11.
-REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
-CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
-FOUNDATIONS ARE DESIGNED FOR SINGLE OR DOUBLE POLE COLUMNS.
-DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS.
-ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER.



ANCHOR BOLT PATTERN - NTS

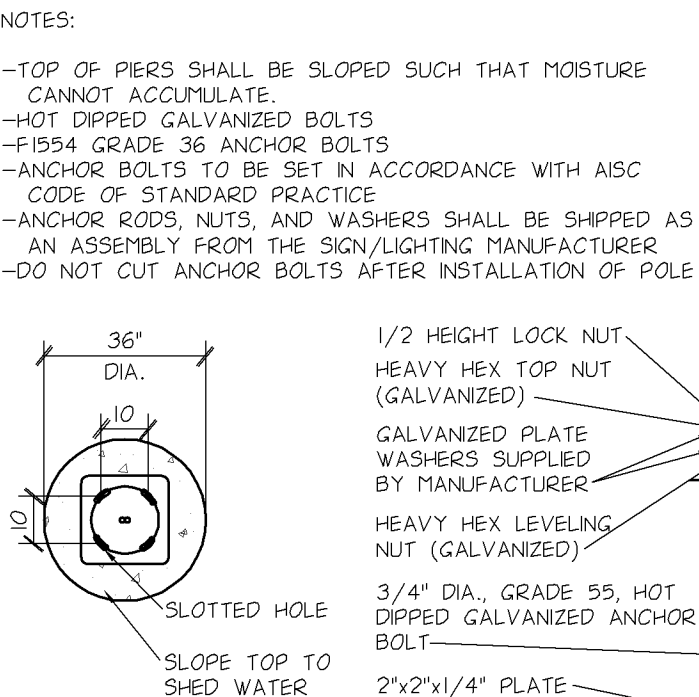
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CONNECTION DETAILS - NTS

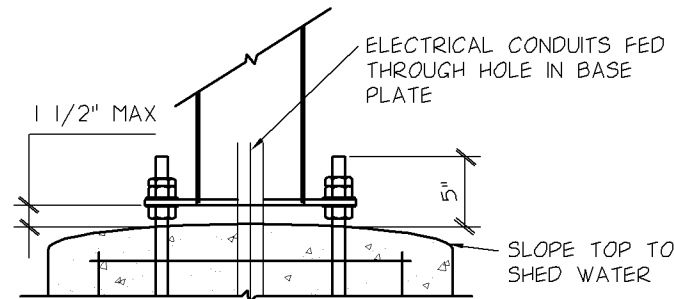
ORDER HERE CANOPY - 100 MPH

NO SCALE



ANCHOR BOLT PATTERN - NTS

NOTES:
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CONNECTION DETAILS - NTS

DOUBLE GATEWAY FOUNDATION - 100 MPH

NO SCALE

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-ASCE 7-05
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-AWSDI
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-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
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-SHEAR - 2400 LBS
-MOMENT - 14,500 LB-FT
-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE.
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-SITE SOIL CONDITIONS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. IF ASSUMED SOIL CONDITIONS ARE NOT PRESENT, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.
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-RSS ROUND SECTION: ASTM A500 GRADE B (F_y = 42kN)
-RSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (F_y = 46kN)
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-ANY FIELD WELDING SHALL FIRST BE VERIFIED BY ENGINEER AND PERFORMED IN ACCORDANCE WITH AWS D11.
-REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
-CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
-DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS.
-ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER.

McDONALD'S USA, LLC.

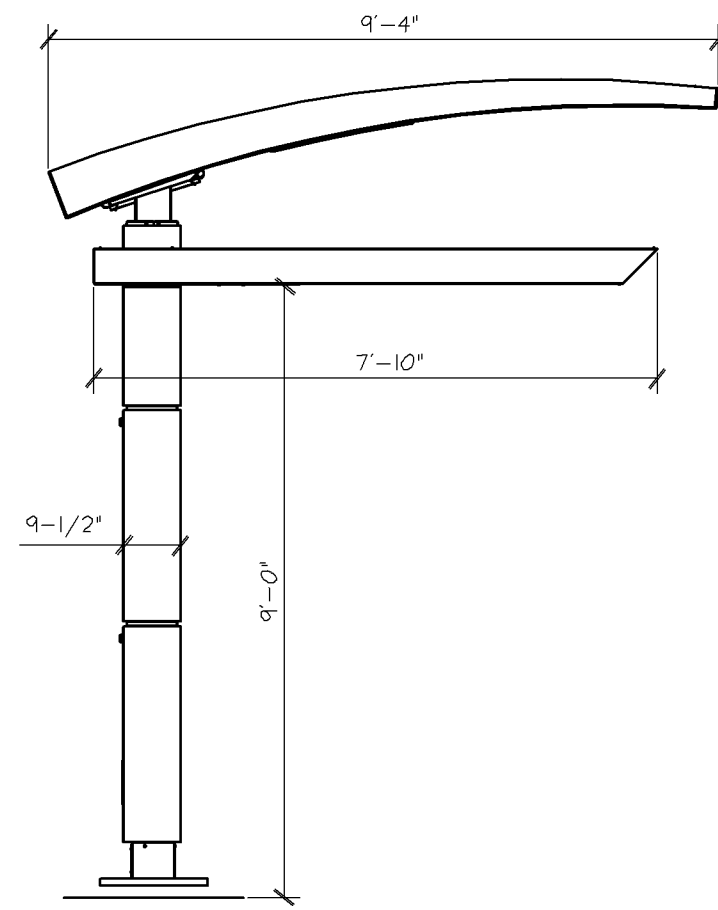
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STATE	CITY	STREET ADDRESS	SHEET NAME	NATIONAL NUMBER	STATE NUMBER	DATE ISSUED	DATE REVIEWED	REVIEWED BY	PROTO ISSUED	DRAWN BY
MN	BLOOMINGTON	7997 SOUTHTOWN CENTER	DRIVE-THRU DETAILS	19761	022-0916	07-10-17	07-10-17	CNC	10P	10P

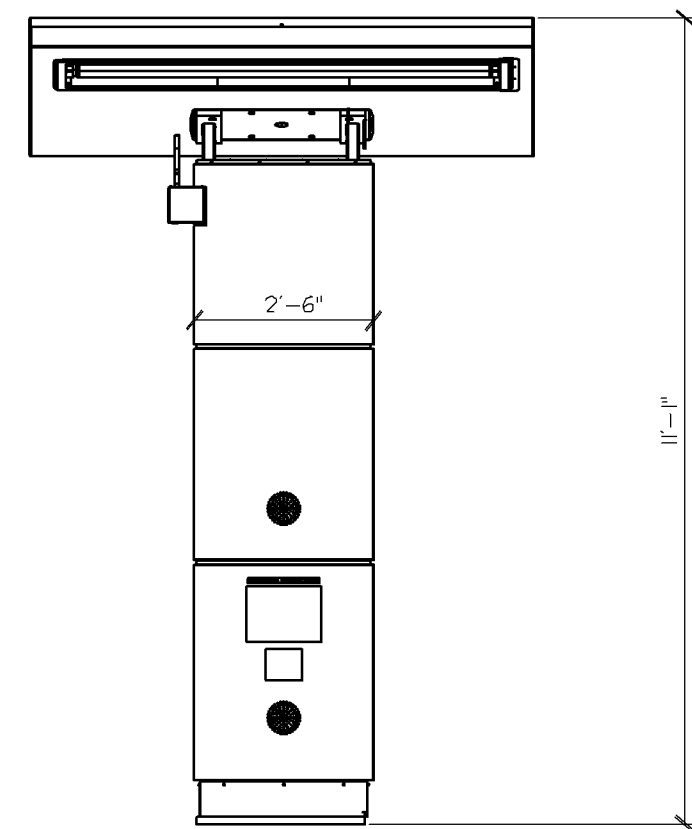
C2.3

FILE NAME: C203MCD208.DWG
PROJECT NO: MCD12208

PL201700224



DETAIL ELEVATION - NTS

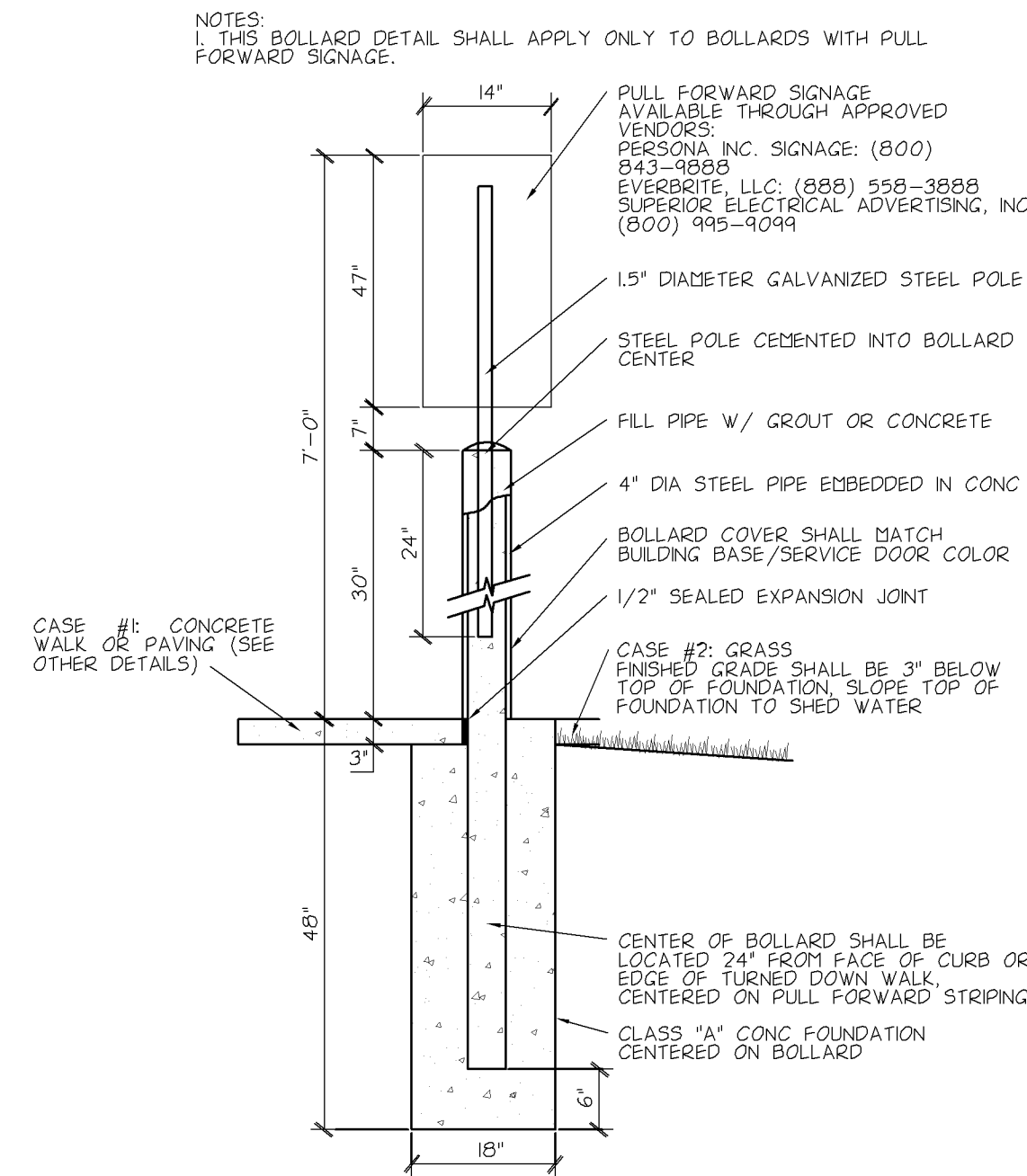


DETAIL PLAN - NTS

NOTE: THIS DRAWING IS SHOWN FOR SCHEMATIC PURPOSES ONLY. SEE MANUFACTURER FOR INSTALLATION INSTRUCTIONS

CANOPY SCHEMATIC DETAIL

NO SCALE



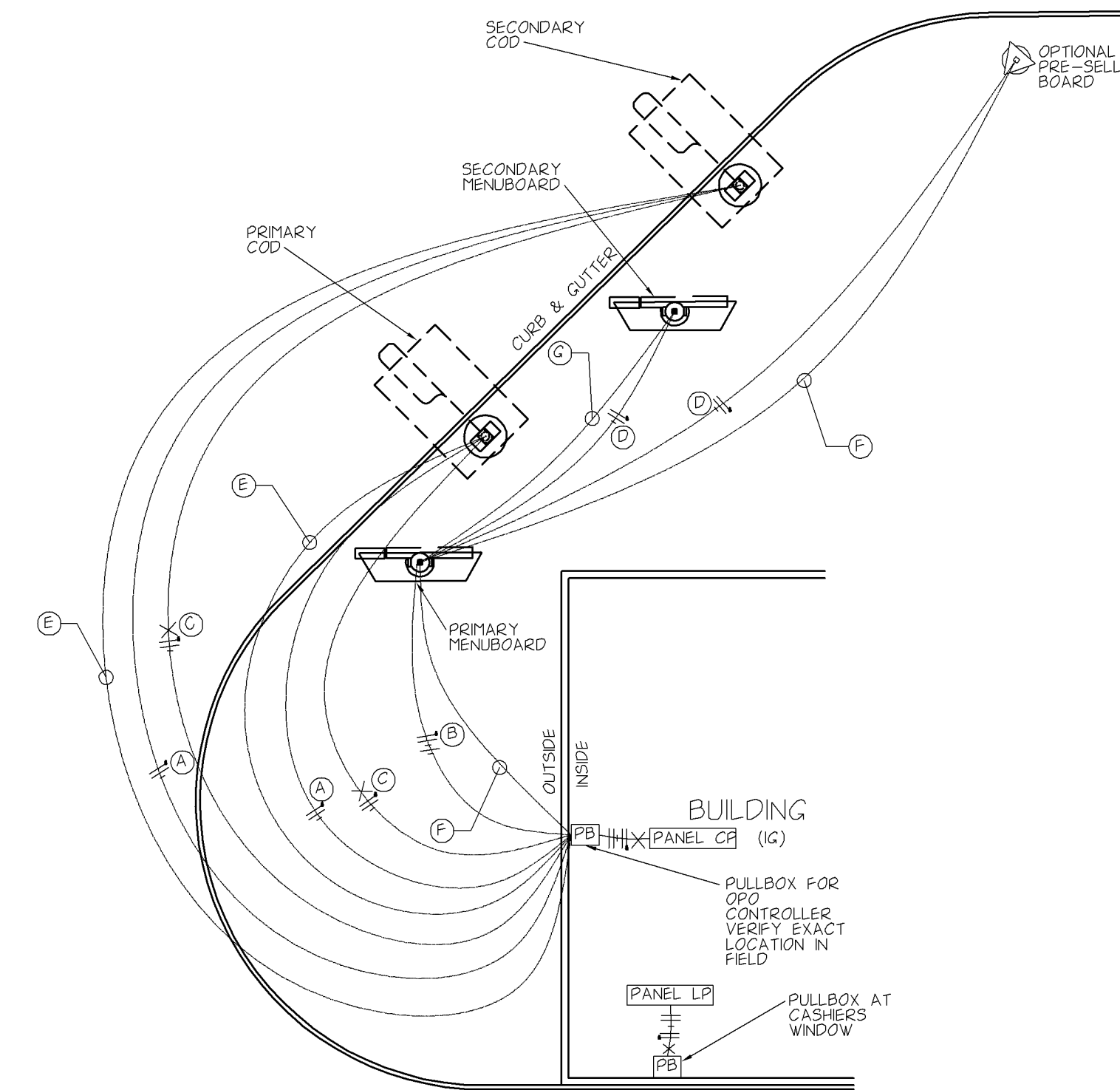
PULL FORWARD SIGN & BOLLARD DETAIL

NO SCALE

- KEY NOTES:
- (A) 2#12 & #1/2 GND., 3/4" CONDUIT TO LP-1 FOR COD CANOPY LIGHTING
 - (B) 2#12 & #1/2 GND., 3/4" CONDUIT TO LP-1 FOR PRIMARY OPO MENUBOARD LIGHTING AND PLC.
 - (C) 2#12 & #1/2 GND & #1/2 ISOLATED GND., 3/4" CONDUIT TO CP FOR 15 AMP DEDICATED POWER TO COD'S. EACH COD SHALL BE ON ITS OWN DEDICATED CIRCUIT.
 - (D) 2#12 & #1/2 GND 3/4" CONDUIT TO LP-1 FOR SECONDARY OPO MENUBOARD AND PRESELL BOARD LIGHTING.
 - (E) (2) 1-1/2" CONDUIT
ONE FOR COD CABELING
ONE FOR LOOP DETECTOR
 - (F) 1" CONDUIT
 - (G) 1-1/2" CONDUIT

GENERAL NOTES:

1. VERIFY EXACT CIRCUITS AND QUANTITIES OF CIRCUITS WITH PANEL SCHEDULES ON DRAWING E4.2 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. PER MANUFACTURER'S INSTALLATION INSTRUCTIONS SEPARATE DEDICATED NEUTRALS ARE REQUIRED TO MENUBOARD AND PRESELL BOARD FOR EACH CIRCUIT (PLC AND LIGHTING).



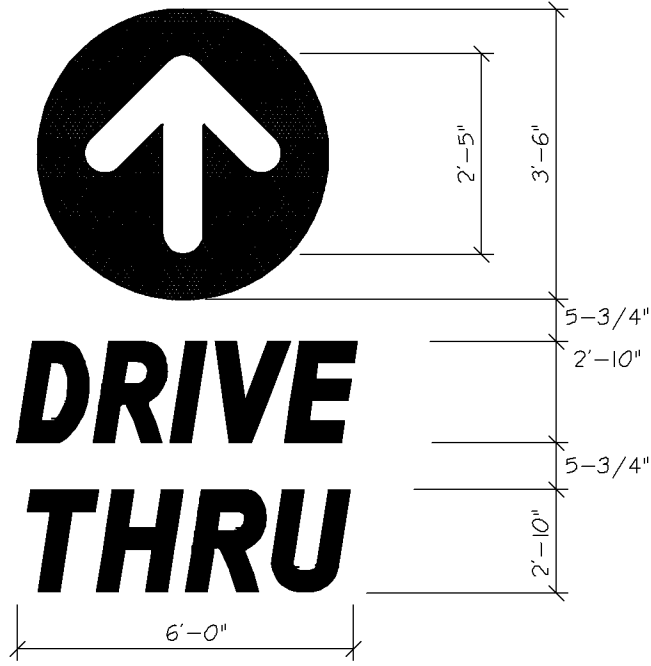
SKETCH CREATED FROM ELECTRICAL OPO UPDATE
(E-OPO) DATED SEPT, 2012

DRIVE-THRU WIRING DETAIL

NO SCALE

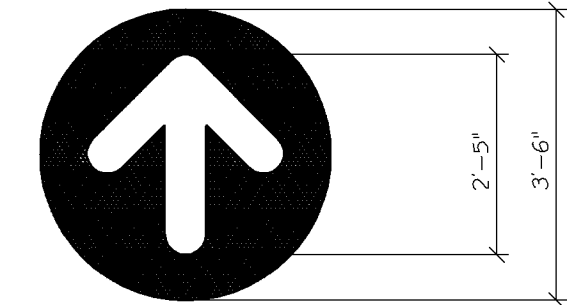
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	BLOOMINGTON	MN	12P						07-14-17	CITY SUBMITTAL
	STREET ADDRESS	COUNTY	PROTO ISSUED							CITY SUBMITTAL
	7997 SOUTHTOWN CENTER	HENNEPIN								
	SHEET NAME		REVIEWED BY							
	DRIVE-THRU DETAILS		CNC							
			DATE REVIEWED							
			07-10-17							
	NATIONAL NUMBER	STATE NUMBER	DATE ISSUED							
18751	022-0916	022-0916	10-11-17							
			OFFICE ADDRESS							
			1650 W. 82ND STREET #900 BLOOMINGTON, MINNESOTA 55431-9888 (952)-984-4355							

W 78TH ST.



1 PAINTED 'DRIVE THRU' WITH ARROW

NO SCALE

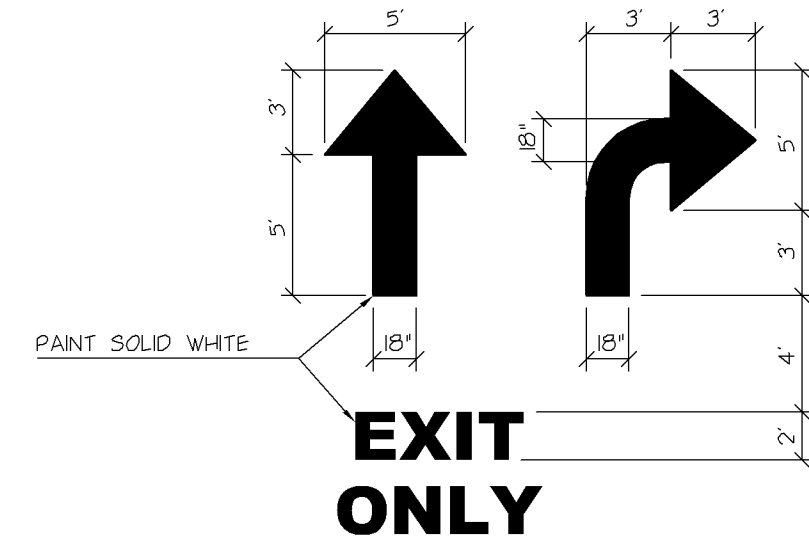


2 PAINTED ARROW NO SCALE

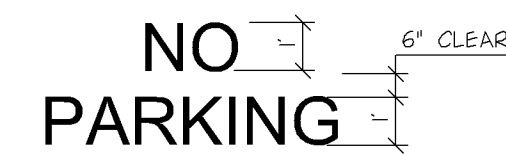


3 PAINTED 'THANK YOU'

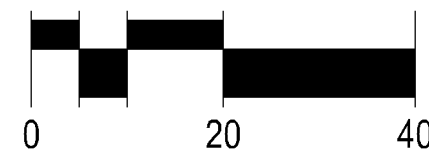
NO SCALE



4 TYPICAL PAVEMENT MARKING



5 PAINTED 'NO PARKING' NO SCALE



105 South Fifth Avenue Tel: 612-252-9070
Suite 513 Fax: 612-252-9077
Minneapolis, MN 55401 Web: landform.net

GENERAL NOTES

1. FIELD VERIFY AND CONFIRM EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION. NOTIFY MCDONALD'S PROJECT MANAGER OF ANY DISCREPANCIES PRIOR TO COMMENCING CONSTRUCTION.
2. SEE SHEET C2.1 FOR ALL RADIUS DIMENSIONS.
3. SEE SHEET C2.2 FOR DRIVE-THRU CONSTRUCTION.
4. ALL PAVEMENT STENCILS MUST BE PURCHASED FROM THE FOLLOWING AUTHORIZED PROVIDER.

PAVEMENT STENCIL COMPANY
P.O. BOX 18034
ROANOKE, VA. 24014
PH 800-250-5547 FAX 540-427-1326
PAVEMENTSTENCIL.NET

SHEET NO.	CITY	STATE	DRAWN BY	REV	DATE	REVISION HISTORY
	BLOOMINGTON	MN	TD		02-11-17	CITY SUBMITTAL
	COUNTY		PROTO. ISSUED		10-11-17	CITY SUBMITTAL
	HENNEPIN		REVIEWED BY			
	7997 SOUTHTOWN CENTER		CNC			
	SHEET NAME		DATE REVIEWED			
	STRIPING		07-10-17			
	NATIONAL NUMBER	STATE NUMBER	DATE ISSUED			
	18751	022-0316	10-11-17			

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


Christopher N. Call

License Number: 46224

Date: 10/11/2017

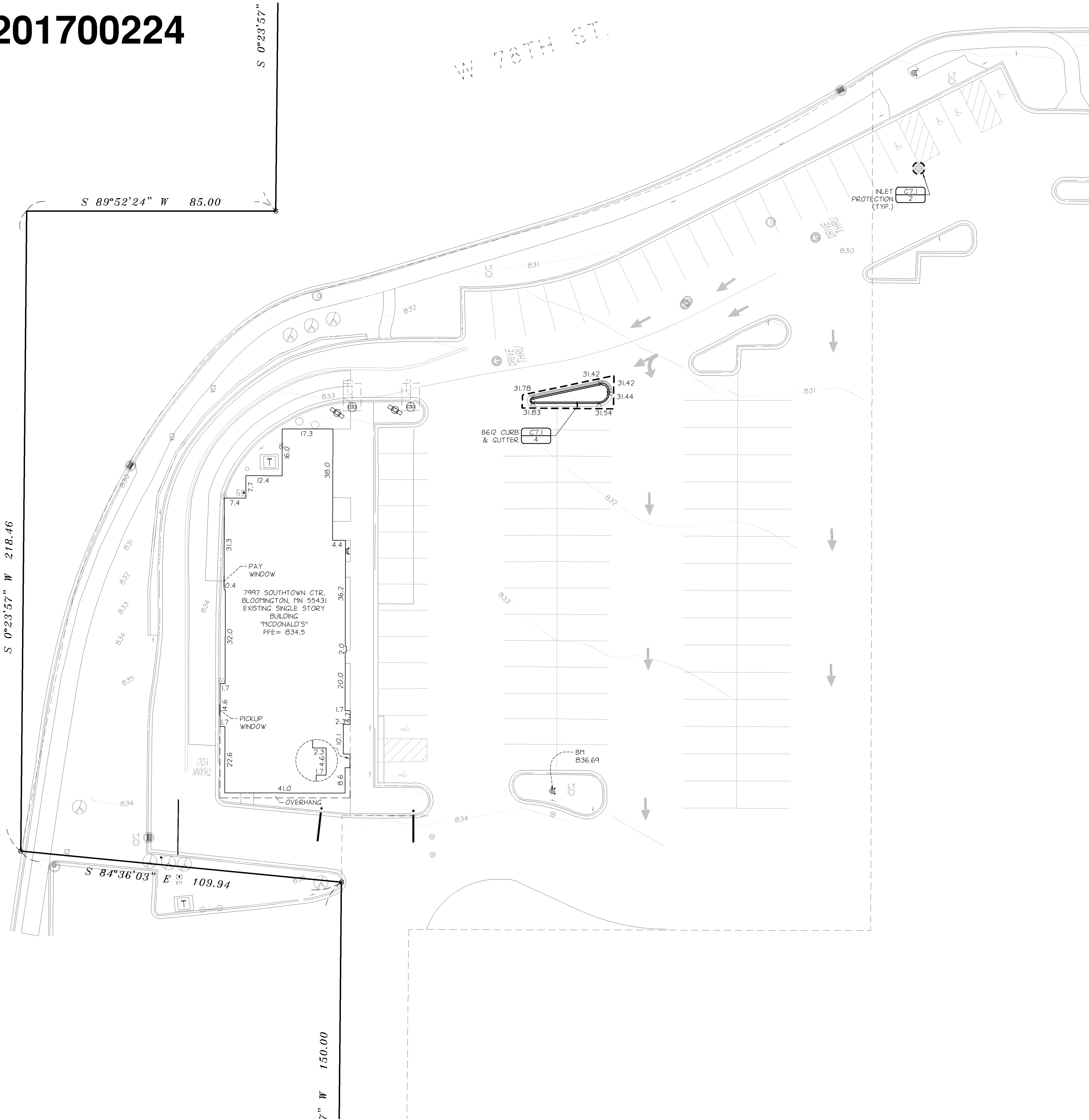
OFFICE ADDRESS
1650 W. BOND STREET #900 BLOOMINGTON, MINNESOTA 55431-9886 (952)-954-4355

FILE NAME: C208MCD208.DWG
PROJECT NO: MCD12208

PL201700224

PENN AVE. S

W 78TH ST.



- EROSION PREVENTION AND SEDIMENT CONTROL NOTES**
- PERIMETER SEDIMENT CONTROLS SHALL BE INSTALLED AND INSPECTED PRIOR TO BEGINNING WORK. MAINTAIN FOR DURATION OF CONSTRUCTION. REMOVE CONTROLS AFTER AREAS CONTRIBUTING RUN OFF ARE PERMANENTLY STABILIZED AND DISPOSE OF OFF SITE.
 - LIMIT SOIL DISTURBANCE TO THE GRADING LIMITS SHOWN. SCHEDULE OPERATIONS TO MINIMIZE LENGTH OF EXPOSURE OF DISTURBED AREAS.
 - MANAGEMENT PRACTICES SHOWN ARE THE MINIMUM REQUIREMENT. INSTALL AND MAINTAIN ADDITIONAL CONTROLS AS WORK PROCEEDS TO PREVENT EROSION AND CONTROL SEDIMENT CARRIED BY WIND OR WATER.
 - ALL EXPOSED SOIL AREAS MUST BE STABILIZED WITHIN 72 HOURS OF COMPLETION OF WORK IN EACH AREA.
 - SEED, SOD, MULCH AND FERTILIZER SHALL MEET THE FOLLOWING SPECIFICATIONS, AS MODIFIED:

ITEM	SPECIFICATION NUMBER
SOD	MNDOT 3878
SEED	MNDOT 3876
MN TYPE 22-III @ 30.5 LB/AC	- TEMPORARY EROSION CONTROL
MN TYPE 25-151 @ 120 LB/AC	- PERMANENT TURF
MULCH	MNDOT 3882
(MNDOT TYPE 1 @ 2 TON/AC, DISC ANCHORED)	
FERTILIZER	MNDOT 3881
GENERAL PLACEMENT	MNDOT 2575
 - ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED WITH ROCK MULCH. COORDINATE WITH MCDONALD'S AREA CONSTRUCTION MANAGER.
 - SCRAPE ADJACENT STREETS CLEAN DAILY AND SWEEP CLEAN WEEKLY.

- GRADING NOTES**
- CONTACT UTILITY SERVICE PROVIDERS FOR FIELD LOCATION OF SERVICES 72 HOURS PRIOR TO BEGINNING GRADING.
 - REMOVE TOPSOIL FROM GRADING AREAS AND STOCKPILE SUFFICIENT QUANTITY FOR REUSE. MATERIALS MAY BE MINED FROM LANDSCAPE AREAS FOR USE ON SITE AND REPLACED WITH EXCESS ORGANIC MATERIAL WITH PRIOR OWNER APPROVAL.
 - REMOVE SURFACE AND GROUND WATER FROM EXCAVATIONS. PROVIDE INITIAL LIFTS OF STABLE FOUNDATION MATERIAL IF EXPOSED SOILS ARE WET AND UNSTABLE.
 - REFER TO STRUCTURAL SPECIFICATIONS FOR EARTHWORK REQUIREMENTS FOR BUILDING PADS.
 - AN INDEPENDENT TESTING FIRM SHALL VERIFY THE REMOVAL OF ORGANIC AND UNSUITABLE SOILS, SOIL CORRECTION, AND COMPACTION AND PROVIDE PERIODIC REPORTS TO THE OWNER.
 - PLACE AND COMPACT FILL USING LIFT THICKNESSES MATCHED TO SOIL TYPE AND COMPACTION EQUIPMENT TO OBTAIN SPECIFIED COMPACTION THROUGHOUT THE LIFT.
 - COMPACT MATERIAL IN PAVED AREAS TO 95% OF MAXIMUM DRY DENSITY. STANDARD PROCTOR (ASTM D698) EXCEPT THE TOP 3 FEET WHICH SHALL BE COMPACTED TO 100%. COMPACT TO 98% DENSITY WHERE FILL DEPTH EXCEEDS 10 FEET.
 - COORDINATE WITH ARCHITECTURAL FOR BUILDING STOOP LOCATIONS. SLOPES SHOWN ON ADJACENT WALKS AND PAVEMENT SHOULD CONTINUE OVER STOOPS.

- PAVING NOTES**
- SPOT ELEVATIONS AT CURBLINES INDICATE FLOWLINES UNLESS NOTED OTHERWISE. SEE SHEET C4.1 FOR RIM ELEVATIONS OF CATCH BASINS.
 - GRADES BETWEEN PROPOSED SPOT ELEVATIONS SHALL BE CONTINUOUS AND NONVARIABLE. SPOT ELEVATIONS SHALL GOVERN OVER CONTOUR LINES.

LEGEND

SYMBOL	DESCRIPTION	ESTIMATED QUANTITY
	INLET PROTECTION	1 EACH
	TIP OUT CURB	
	PAVEMENT SAWCUT	

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OFFICE ADDRESS:
650 W. 82ND STREET #900 BLOOMINGTON, MINNESOTA 55431-9888 (952)-884-4355

STATE	CITY	DRAWN BY	DATE
MN	BLOOMINGTON	TDP	07-14-17
STATE	CITY	PROTO ISSUED	DATE
MN	BLOOMINGTON	PROTO ISSUED	07-14-17
STATE	CITY	REVIEWED BY	DATE
MN	BLOOMINGTON	CNC	07-10-17
STATE	CITY	DATE REVIEWED	DATE
MN	BLOOMINGTON	07-10-17	10-1-17

STATE MN

CITY BLOOMINGTON

STREET ADDRESS 7997 SOUTHTOWN CENTER

SHEET NAME GRADING, DRAINAGE, PAVING, & EROSION CONTROL

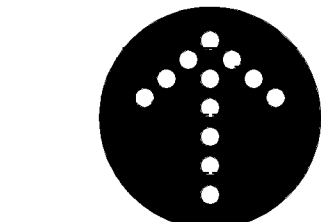
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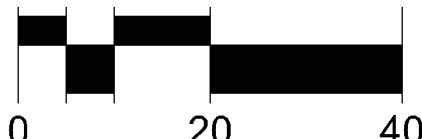
PROJECT NO. C3.1

FILE NAME: C301MCD208.DWG

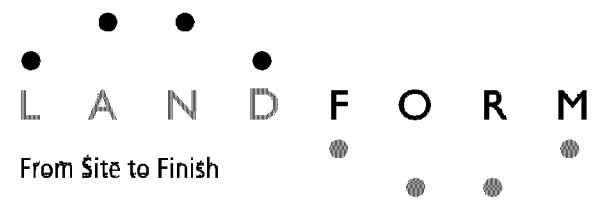
PROJECT NO. MCD12208



NORTH

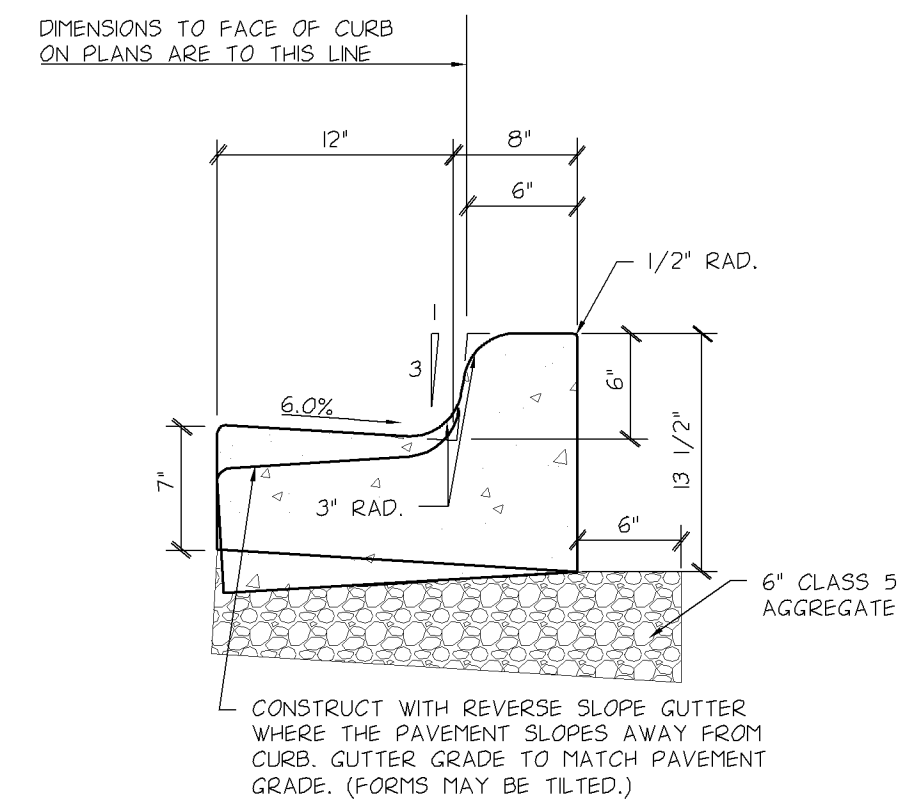


Know what's Below.
Call before you dig.



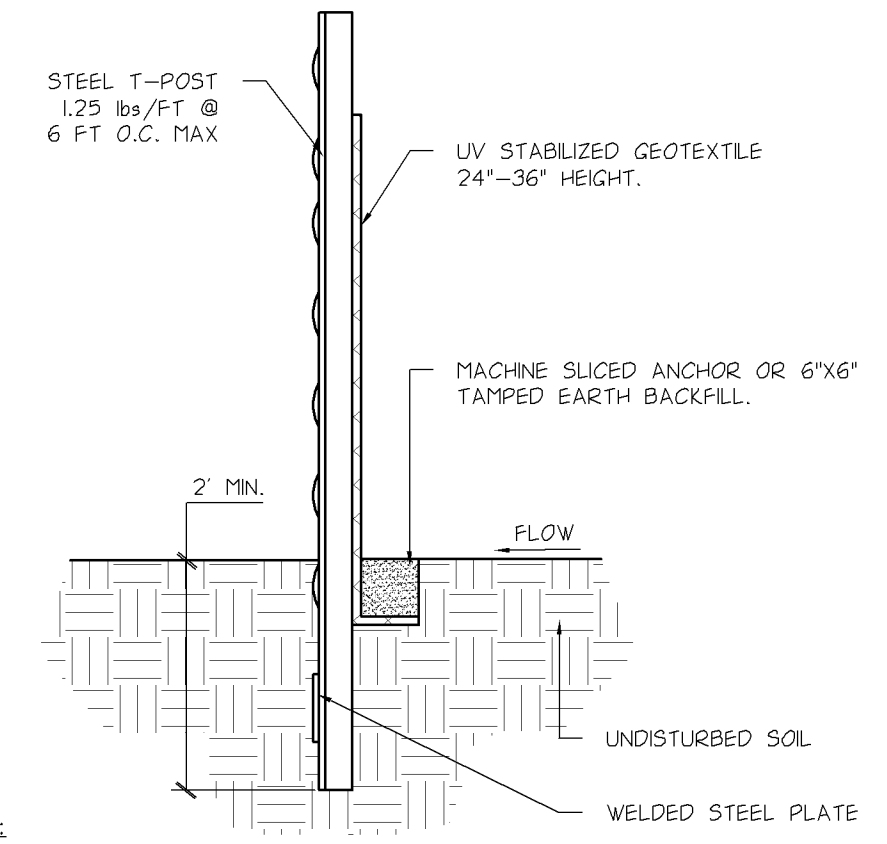
105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Tel: 612-252-9070
Fax: 612-252-9077
Web: landform.net

PL201700224



B612 CONCRETE CURB AND GUTTER

NO SCALE

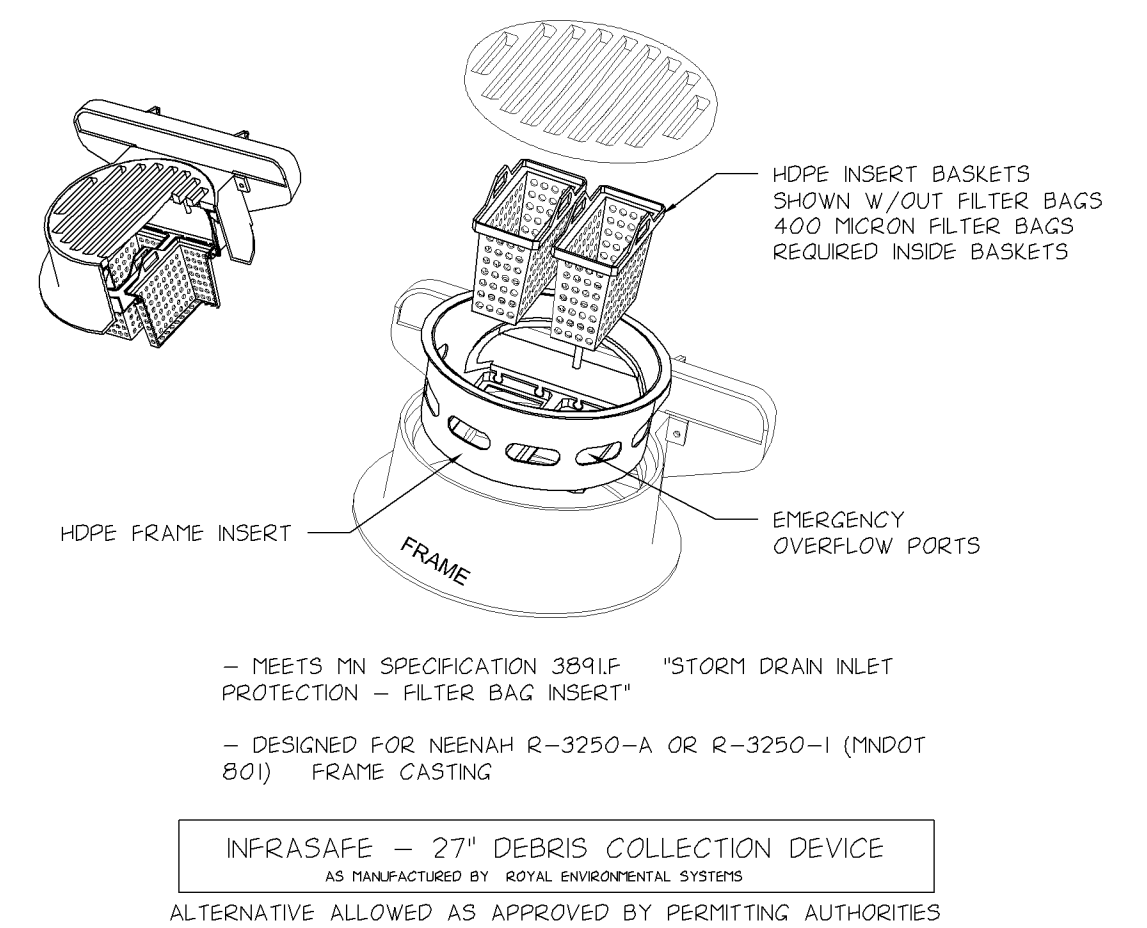


- NOTES:

1. DIG A 6" TRENCH ALONG THE INTENDED FENCE LINE OR USE MACHINE SLICED ANCHOR.
2. INSTALL ON CONTOUR AT CONSTANT ELEVATION.
3. DRIVE ALL POSTS INTO THE GROUND AT THE BACK SIDE OF THE TRENCH.
4. LAYOUT WIRE MESH AND SILT FENCE ON THE UPHILL SIDE ALONG THE FENCE LINE, AND BACK FILL.

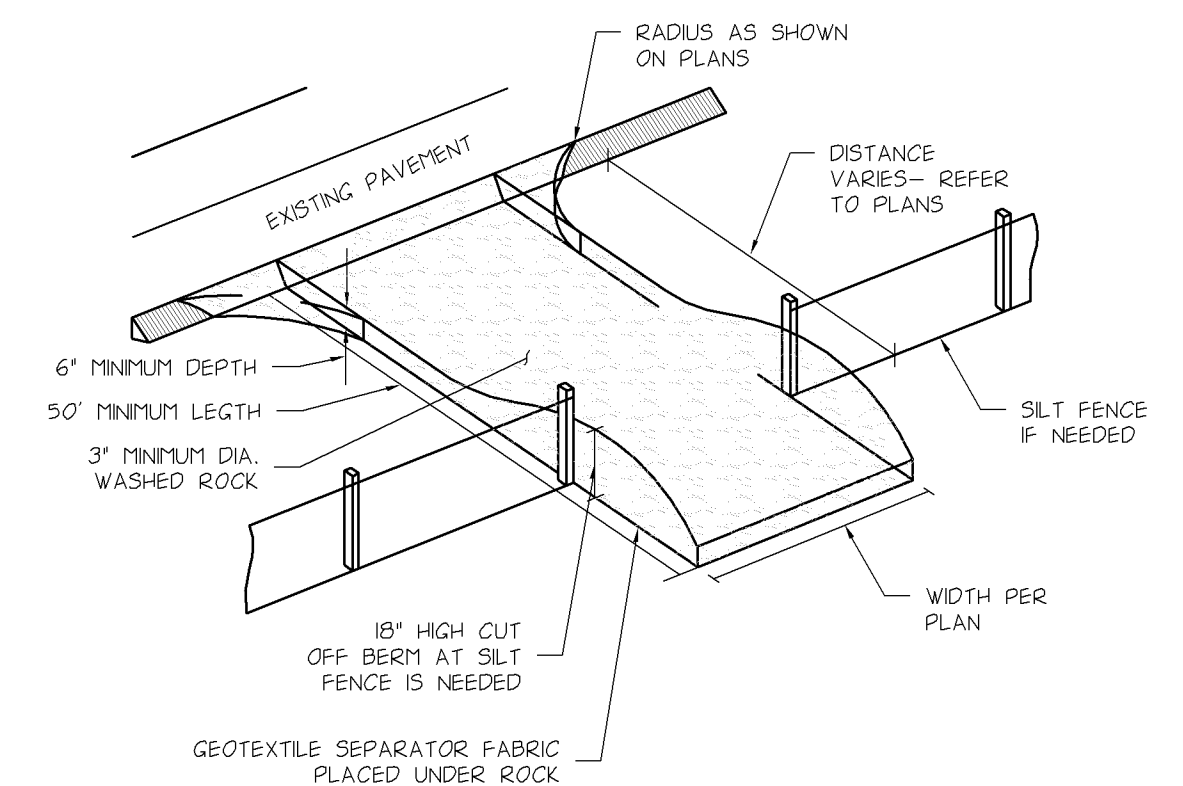
SILT FENCE

NO SCALE



INLET PROTECTION

NO SCALE



VEHICLE TRACKING PAD

NO SCALE

FILE NAME: C701MCD208.DWG		PROJECT NO: MCD122018	
C7.1			
BLOOMINGTON		COUNTY	
MN		HENNEPIN	
STREET ADDRESS		7997 SOUTHTOWN CENTER	
SHEET NAME		CIVIL CONSTRUCTION DETAILS	
DATE REVIEWED		07-10-17	
REVIEWED BY		CNC	
PROJECT NO		MCD122018	
DATE ISSUED		07-10-17	
OFFICE ADDRESS		#900 BLOOMINGTON, MINNESOTA 55431-0888 (952)-884-4355	
NATIONAL NUMBER		18761	
STATE NUMBER		022-02016	
DATE ISSUED		10-17-17	
PROJECT NO		MCD122018	
SHEET NAME		CIVIL CONSTRUCTION DETAILS	
DATE REVIEWED		07-10-17	
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STATE NUMBER		022-02016	
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