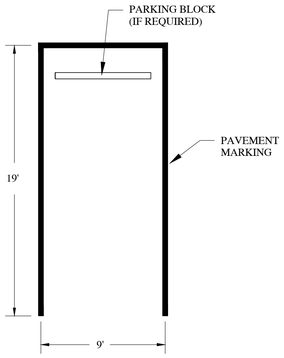
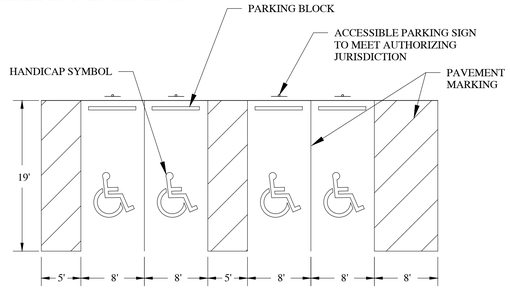



## PARKING SPACE DETAIL

NOT TO SCALE

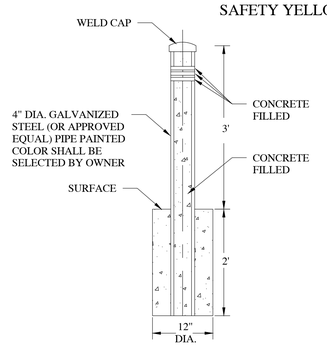
ALL ADA PARKING STALLS AND AISLES
SHALL BE PAINTED BLUE.




## ACCESSIBLE PARKING SPACE LAYOUT DETAIL

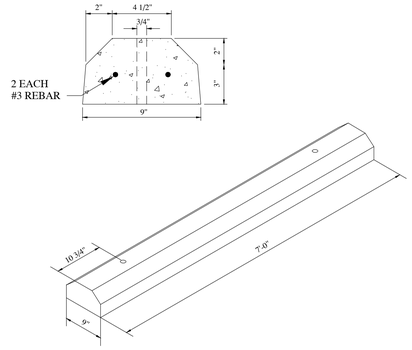
NOT TO SCALE

PIPE BOLLARDS SHALL BE PAINTED
SAFETY YELLOW.




## PIPE BOLLARD DETAIL

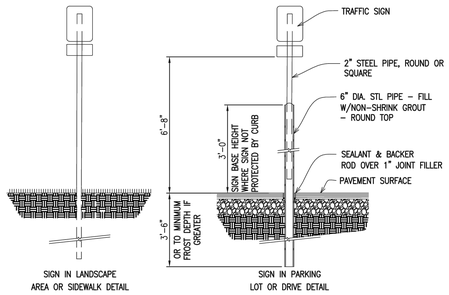
NOT TO SCALE




## PARKING BLOCK DETAIL

NOT TO SCALE

SIGN POST AND BACKS SHALL BE PAINTED BLACK
PER NOTE RN19 ON PLAN SHEET C001.




## SIGN POST DETAIL

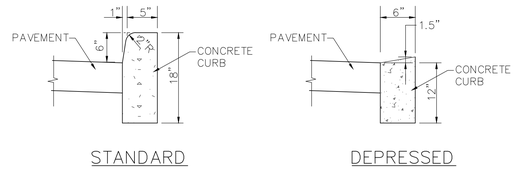
NOT TO SCALE

NOTES:

- EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH PARKING STALL OR SPACE. USE MUTCD SIGN R99A OR APPROVED EQUAL.
- AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE BELOW THE SYMBOL OF ACCESSIBILITY SHALL STATE "$50 TO $300 FINE" PER THE STATE OF MISSOURI.
- VAN ACCESSIBLE SPACES SHALL HAVE AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE STATE " VAN ACCESSIBLE" BELOW THE SYMBOL OF ACCESSIBILITY. USE MUTCD SIGN R7-8B OR APPROVED EQUAL.
- SIGNS IDENTIFYING ACCESSIBLE PARKING SPACES SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
- THE BOTTOM OF THE LOWEST SIGN OR PLAQUE PANEL SHALL BE A MINIMUM OF 6'-8" ABOVE THE SURROUNDING SURFACE WHEN ADJACENT TO AN ACCESSIBLE PATH.
- REFER TO DETAIL ON THIS SHEET FOR THE ACCESSIBLE SIGN POST DETAIL.

## ACCESSIBLE PARKING SIGN DETAIL

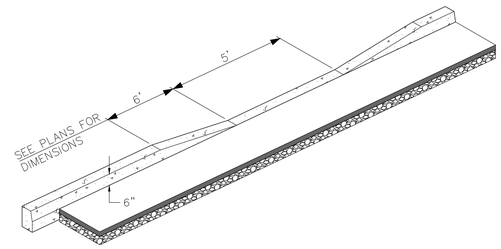
NOT TO SCALE




STANDARD DEPRESSED

## CONCRETE BARRIER CURB DETAIL

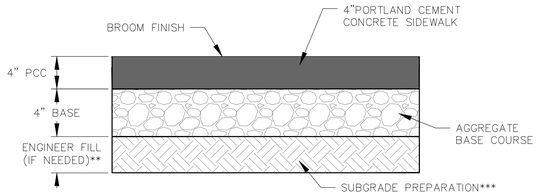
NOT TO SCALE




## CURB TAPER DETAIL

NOT TO SCALE

NOTES:
USE MINIMUM THICKNESS OF MATERIALS LISTED BELOW, THICKNESS NOTED REPRESENTS THE MINIMUM COMPACTED THICKNESS BASED UPON THE GEOTECHNICAL REPORT.




*AGGREGATE BASE COURSE SHOULD BE COMPACTED PER MODOT SPECS AND SOILS ENGINEER.

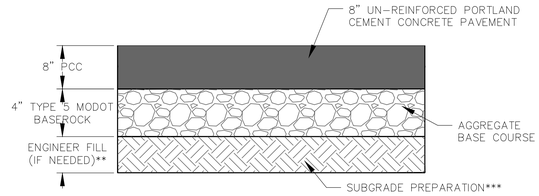
**UNSUITABLE SOILS/UNDOCUMENTED FILL MAY NEED TO BE REMOVED AND REPLACED WITH ENGINEER FILL EXTENDING TO SUITABLE NATIVE SOILS. SUITABLE SUBGRADE SHALL BE DETERMINED BY THE SOILS ENGINEER. FILL SOILS SHOULD BE PLACED IN LOOSE MAX 8" THICK LIFTS, MOISTURE CONDITIONED AND COMPACTED TO 98% OF MAX DRY DENSITY (ASTM D698).

***THE PREPARED SUBGRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO 98% OF THE MAX DRY DENSITY (ASTM D698). CONTRACTOR SHALL PREPARE AND/OR REPLACE SOILS AS NECESSARY TO PROVIDE A STABLE SUBGRADE. SEE SOILS REPORT FOR DETAILS.

## CONCRETE SIDEWALK PAVEMENT DETAIL

NOT TO SCALE

NOTES:
USE MINIMUM THICKNESS OF MATERIALS LISTED BELOW, THICKNESS NOTED REPRESENTS THE MINIMUM COMPACTED THICKNESS BASED UPON THE GEOTECHNICAL REPORT.

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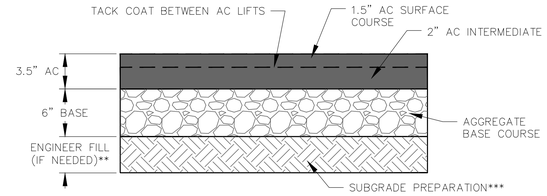
***THE PREPARED SUBGRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO 98% OF THE MAX DRY DENSITY (ASTM D698). CONTRACTOR SHALL PREPARE AND/OR REPLACE SOILS AS NECESSARY TO PROVIDE A STABLE SUBGRADE. SEE SOILS REPORT FOR DETAILS.

## HEAVY DUTY CONCRETE PAVEMENT DETAIL

NOT TO SCALE

ALL NON-REINFORCED CONCRETE SHALL BE 4,000 PSI AT 28 DAYS.

NOTES:
USE MINIMUM THICKNESS OF MATERIALS LISTED BELOW, THICKNESS NOTED REPRESENTS THE MINIMUM COMPACTED THICKNESS BASED UPON THE GEOTECHNICAL REPORT.




*AGGREGATE BASE COURSE SHOULD BE COMPACTED PER MODOT SPECS AND SOILS ENGINEER.

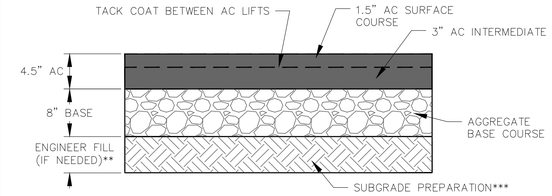
**UNSUITABLE SOILS/UNDOCUMENTED FILL MAY NEED TO BE REMOVED AND REPLACED WITH ENGINEER FILL EXTENDING TO SUITABLE NATIVE SOILS. SUITABLE SUBGRADE SHALL BE DETERMINED BY THE SOILS ENGINEER. FILL SOILS SHOULD BE PLACED IN LOOSE MAX 8" THICK LIFTS, MOISTURE CONDITIONED AND COMPACTED TO 98% OF MAX DRY DENSITY (ASTM D698).

***THE PREPARED SUBGRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO 98% OF THE MAX DRY DENSITY (ASTM D698). CONTRACTOR SHALL PREPARE AND/OR REPLACE SOILS AS NECESSARY TO PROVIDE A STABLE SUBGRADE. SEE SOILS REPORT FOR DETAILS.

## ASPHALT PAVEMENT DETAIL (LIGHT DUTY)

NOT TO SCALE

NOTES:
USE MINIMUM THICKNESS OF MATERIALS LISTED BELOW, THICKNESS NOTED REPRESENTS THE MINIMUM COMPACTED THICKNESS BASED UPON THE GEOTECHNICAL REPORT.




*AGGREGATE BASE COURSE SHOULD BE COMPACTED PER MODOT SPECS AND SOILS ENGINEER.

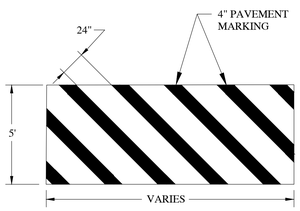
**UNSUITABLE SOILS/UNDOCUMENTED FILL MAY NEED TO BE REMOVED AND REPLACED WITH ENGINEER FILL EXTENDING TO SUITABLE NATIVE SOILS. SUITABLE SUBGRADE SHALL BE DETERMINED BY THE SOILS ENGINEER. FILL SOILS SHOULD BE PLACED IN LOOSE MAX 8" THICK LIFTS, MOISTURE CONDITIONED AND COMPACTED TO 98% OF MAX DRY DENSITY (ASTM D698).

***THE PREPARED SUBGRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO 98% OF THE MAX DRY DENSITY (ASTM D698). CONTRACTOR SHALL PREPARE AND/OR REPLACE SOILS AS NECESSARY TO PROVIDE A STABLE SUBGRADE. SEE SOILS REPORT FOR DETAILS.

## ASPHALT PAVEMENT DETAIL (HEAVY DUTY)

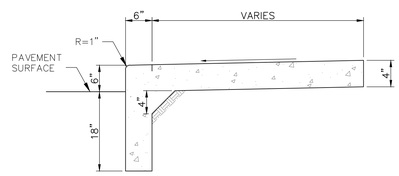
NOT TO SCALE

ALL ADA PARKING STALLS AND AISLES
SHALL BE PAINTED BLUE.



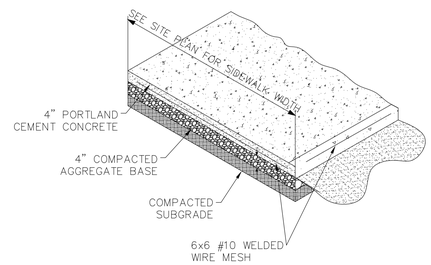

## PEDESTRIAN ACCESS PAVEMENT MARKING DETAIL

NOT TO SCALE




## TURN DOWN CURB AND SIDEWALK

NOT TO SCALE



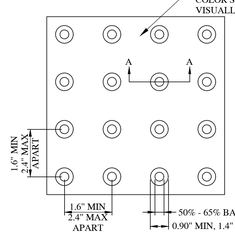

NOTES:

- JOINT SPACING 5'-0" CENTER TO CENTER OR WIDTH OF SIDEWALK.
- INSTALL EXPANSION JOINT MATERIAL WHERE SIDEWALK ABUTS JUNCTION OF EXISTING SIDEWALK, CONCRETE CURB, DRIVEWAYS AND SIMILAR STRUCTURES, AND AT 250' CENTERS MAX.

## CONCRETE SIDEWALK DETAIL

NOT TO SCALE

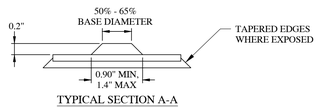
COLOR PER LOCAL JURISDICTION REQUIREMENTS.
COLOR SHALL CONTRAST
VISUALLY WITH ADJOINING SURFACE.




PLAN

NOTE:
24" WIDE STRIP OF DETECTABLE WARNING (TRUNCATED DOMES) SHALL BE SLIP RESISTANT AND INSTALLED ON ALL PEDESTRIAN WAYS THAT CROSS OR ADJOIN A VEHICULAR WAY NOT SEPARATED BY CURBS, RAILINGS, OR OTHER ELEMENTS BETWEEN WALKWAY AND VEHICULAR WAY.

THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE OF THE DETECTABLE WARNING SURFACE (TRUNCATED DOMES) NEAREST THE CURB LINE IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE CURB LINE.




TYPICAL SECTION A-A

## DETECTABLE WARNING (TRUNCATED DOMES) DETAIL

NOT TO SCALE


Architect:
MTI STUDIO
210 South Market St., Suite B
Troy, OH 45373
p 937.760.3884
mtwiss@gomtstudio.com

Civil Engineer:
RDC
REYLING DESIGN & CONSULTING
4516 Boardwalk | Smithton, IL | 62285
reylingdc@gmail.com

Missouri Firm License: 2016012969
MO Certificate of Authority: LC001485066


RDC Project No. 20-115

STATE OF MISSOURI
TODD JEFFREY REYLING
NUMBER PE-2011020
PROFESSIONAL ENGINEER

LICENSE EXPIRES - 12.31.2023
DATE SIGNED - 12.01.2021


ENGINEER OF RECORD:
Todd J. Reyling, PE
Missouri PE 2011020072


New Ground Up Building for:
PLANET FITNESS
914 Highway K
O'Fallon, MO 63366
St. Charles County

MTSTUDIO PROJECT NUMBER:

| ISSUED / REVISED | DATE |
|---|---|
| ISSUED TO CITY | 05.12.2021 |
| REVISED PER CITY/MoDOT COMMENTS | 07.20.2021 |
| REVISED PER CITY/MoDOT COMMENTS | 08.10.2021 |
| REVISED FOR RETAINING WALL | 11.19.2021 |
| REVISED PER CITY COMMENTS | 12.01.2021 |

Civil
Construction
Details

C706