

Notated by: JEPZB, Admin. Sheet: Street/McDonald's Boynton Beach RELO. Layout: GRADING AND DRAINAGE PLAN August 14, 2018. VBS ID: V14742050. K: VBS ID: V14742050. McDonald's 1/2" 009-2655 Boynton Beach RELO (ADJACENT SHEETS V-200 PAVING, GRADING AND DRAINAGE PLAN) dwg

PAVING, GRADING AND DRAINAGE NOTES

1. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE A TOPOGRAPHIC SURVEY OF THE PROJECT AREA REGISTERED WITH THE STATE OF TEXAS.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. NO GUARANTEE IS MADE TO BE RELIED ON AS TO THE LOCATION OF UTILITIES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
4. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
5. ALL DRAINAGE AND CONVECTION WITHIN THE FOOT RIGHT-OF-WAY SHALL CONFORM TO THE LATEST FDOT DESIGN STANDARDS AND LATEST STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE APPLICABLE JURISDICTIONAL AGENCY. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
7. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING EXCAVATION OF ANY EXISTING UTILITY SERVING THE STRUCTURE.
8. EXISTING PIPES TO BE CLEARED OUT TO REMOVE ALL SILT AND DEBRIS.
9. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE SAME. THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
10. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
11. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
12. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RIG & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
13. ALL CURBS AND SIDEWALKS WITH EXPOSED TRAFFIC SURF SHALL HAVE CYCLOPEE PROOF GRATES.
14. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM BUILT MORTAR INVERT FROM INVERT IN TO INVERT OUT.
15. CONTRACTOR TO FLUSH AND VACUUM ENTIRE ON-SITE STORM WATER SYSTEM UPON COMPLETION OF PROPOSED WORK.
16. EXISTING DRAINAGE PIPES AND INLETS TO BE JET CLEANED AND VACUUMED TO REMOVE ALL SILT AND DEBRIS.
17. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
18. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWARE FROM BUILDINGS FOR ALL NATURAL ADJACENT AREAS.
19. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
20. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL CUT OUT THE FULL DEPTH OF PAVEMENT AND BACKFILL WITH SMOOTH AND STRAIGHT JOINT, AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
21. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW-CUT THE FULL DEPTH OF EXISTING PAVEMENT FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT SLOPE WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
22. ALL UNPAVED AREAS SHOWN AT CURB LINE ARE EDGE OF PAVEMENT UNLESS SPECIFIED OTHERWISE.
23. CONTRACTOR SHALL EXCAVATE EXISTING PAVEMENT/SIDEWALK AREAS THAT ARE TO BE LANDSCAPED A MINIMUM OF 30" OR AS DEEP AS NECESSARY TO ENSURE ALL STONE BASE / PAVEMENT MATERIAL IS REMOVED (WHICHEVER IS GREATER) AND BACKFILL WITH CLEAN / WASHED SAND TO 1" OR TOP OF CURB TO ENSURE PROPER SOIL FOR PLANT MATERIALS.
24. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT OVER-COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL EXCAVATE AND REMOVE ALL UNDERLYING MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
25. ALL CUT OR FULL SLOPES SHALL BE 4H:1V OR FLATTER UNLESS OTHERWISE NOTED.
26. ALL UN-SURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOP SOIL. THE CONTRACTOR SHALL ONLY STABILIZE DISTURBED AREAS WITH 10% OR STEEPER.
27. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
28. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REPAIR ANY WASHES WHERE THEY OCCUR. THE CONTRACTOR SHALL MAINTAIN RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
29. LANDSCAPE ISLANDS IN PARKING AREA TO BE BERMED MINIMUM OF 6" ABOVE CURB OF CURB ELEVATION.
30. SEE LANDSCAPE PLAN FOR TREE REMOVAL AND PLANTING.
31. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORMWATER PIPING PER SPECIFICATIONS.
32. ALL TOP SPOTS TO BE EDGE OF CURBS UNLESS OTHERWISE INDICATED.
33. ALL PROPOSED MANHOLE COVERS SHALL BE CYCLOPEE PROOF THE 18" ROAD CHAPTER 4 ARTICLE 11. SECTION 10.01.
34. THE TIERAGE CROSSING OF ROAD ON CONGRESS AVE IS 12.39 NAVD. THE F.F.E IS 14.00 NAVD. THE F.F.E ELEVATION ABOVE THE 18" MIN ROAD CROWN ELEVATION REQUIREMENT.

ADDITIONAL DRAINAGE NOTES

1. CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES, RIMS AND COVERS AS CALLED OUT OR APPROVED ALIKE. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR ANY CONSTRUCTION.
2. CONTRACTOR TO REFER TO FDOT DESIGN STANDARD (AND NOT LIMITED TO) INDEX#S 200, 201, 210, 214, 224, 232 & 233 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
3. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY 120 RATED TRAFFIC RINGS AND GRATES.
4. CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RING AND COVERS. CONTRACTOR TO VERIFY ALL EXISTING UTILITIES THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
5. ALL CLEAN-OUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC. SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE AND SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE. SIDEWALK SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK

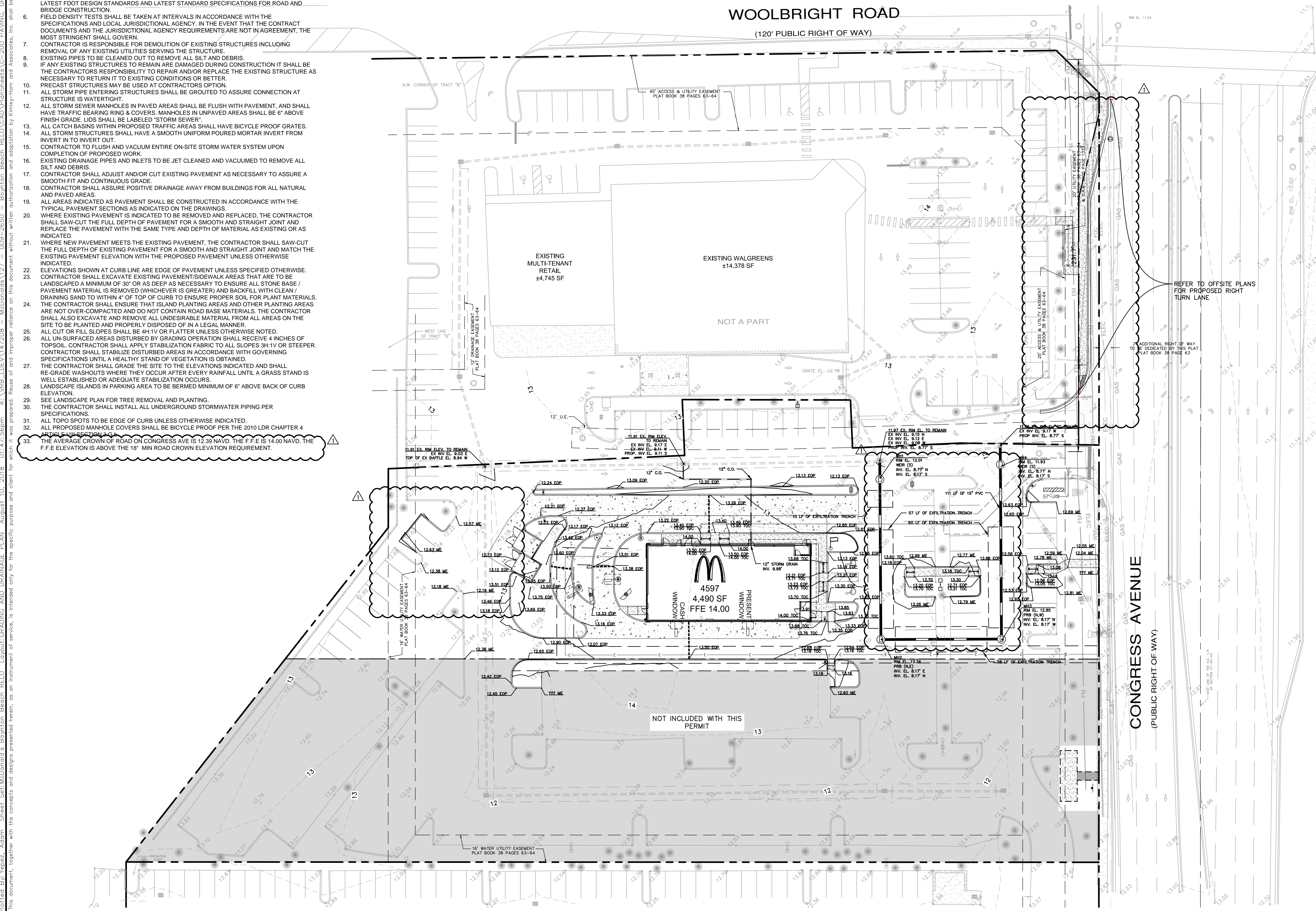
LANDINGS AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMPS SHALL NOT EXCEED 6% IN LENGTH AND 6% IN RISE (1 IN 12 MAX SLOPE); LANDINGS AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.

ROOF FRAIN CONNECTIONS TO DRAINAGE PIPE SHALL BE AS FOLLOWS:








FOR ADS N-12 CORRUGATED POLYETHYLENE DRAINAGE PIPE USE ADS N-12 FABRICATED REDUCING SADDLE TYPE 4" x 24" DIAMETER.

FOR RCP DRAINAGE PIPE MAKE CONNECTION PER FOOT INDEX 260/CONCRETE COLLAR FOR JOINING MAINLINE PIPE AND STUB PIPE DET.

NOTIFY CONSULTANT FOR CONNECTION METHOD TO STEEL PIPE. ALL DRAINAGE PIPE JOINTS SHALL BE FILTER FABRIC WRAPPED PER FOOT INDEX 260/CONCRETE COLLAR. JOINTS NEED TO BE FILTER FABRIC WRAPPED REGARDLESS OF MATERIAL.



PAVING LEGEND

- | | |
|-------------------------------------------------------------------------------------|---------------------|
|  | PROPOSED SPOT GRADE |
|  | EXISTING SPOT GRADE |
|  | RIDGE LINE |
|  | MATCH EXISTING |
|  | TOP OF CURB |
|  | EDGE OF PAVEMENT |
|  | FLOW ARROW |

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

CALL 48 HOURS
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IT'S THE LAW
DIAL 811

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GRADING AND DRAINAGE PLAN

MCDONALD'S
 BOYNTON BEACH RELO
 PREPARED FOR
 MCDONALD'S USA, LLC

SHEET NUMBER
C-200

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