

POST DEVELOPED DRAINAGE AREA CALCULATIONS

AREA #	AREA (ACRES)	Tc	C-VALUE	I ₁₀₀ (IN/HR)	Q ₁₀₀ (CFS)	DISCHARGE POINT
DA-1	0.05	10	0.90	9.80	0.44	STORM INLET IN S.H. 205 R.O.W.
DA-2	0.52	10	0.90	9.80	4.89	10" CURB INLET
DA-3	0.01	10	0.90	9.80	0.09	STORM INLET IN S.H. 205 R.O.W.
DA-4	0.02	10	0.90	9.80	0.18	STORM INLET TO THE NORTH OF McDONALD'S SITE
DA-5	0.70	10	0.90	9.80	6.17	10" CURB INLET
DA-6	0.01	10	0.90	9.80	0.09	STORM INLET TO THE NORTH OF McDONALD'S SITE
DA-7	0.01	10	0.90	9.80	0.09	STORM INLET TO THE NORTH OF McDONALD'S SITE
OS-1	0.13	10	0.90	9.80	1.15	TO PROPOSED McDONALD'S SITE
OS-2	0.23	10	0.90	9.80	2.03	TO PROPOSED McDONALD'S SITE
TOTAL	1.68				14.82	

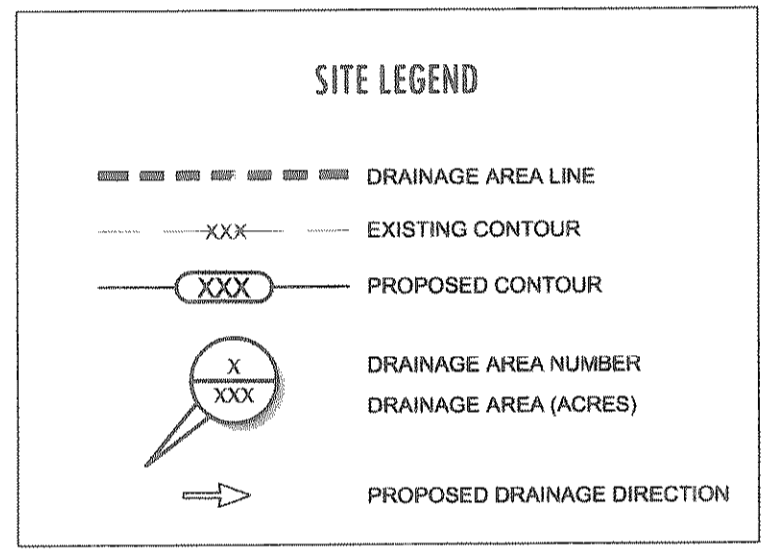
CALCULATIONS ARE BASED ON THE RATIONAL METHOD: Q = C^{1.49}I^{1.49}A

CURB INLET CALCULATIONS (100 YR STORM)

INLET NO.	D.A. NO.	FLOW RATE CFS	CARRYOVER CFS	TOTAL Q ₀ CFS	ALLOWABLE HEAD FT	**L ^{0.58} 90% EFF. FT	L PROVIDED FT	% FULL L / L	CAPACITY 90% EFF. CFS
CI-1	2	4.59	0	4.59	0.5	4.67	10	47%	9.82
CI-2	5	6.17	0	6.17	0.5	6.28	10	63%	9.82

BASED ON THE WIER EQUATION
 $1 = 3.087 L^{0.5} S^{1.5}$

OWNER INFORMATION
McDONALD'S
 511 E. CARPENTER FRWY, STE. 375
 IRVING, TEXAS 75062
 (972) 888-0392
 CONTACT: KEVIN MCKIBBEN



RECORD DRAWINGS August 2011

These plans have been revised to reflect those changes, if any, that deviated from the City approved construction plans. All revisions are based on construction records furnished to ADAMS by the contractor of record. We are not aware of any other changes as ADAMS was not on-site through the construction duration.

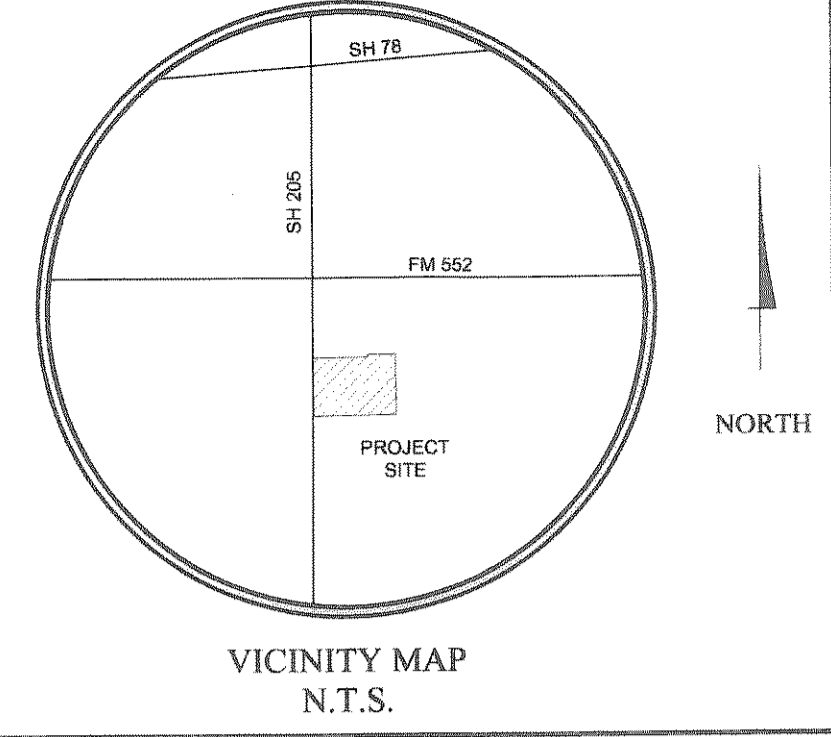
ENGINEER: *Ted M. Murray*
 #: 91918 DATE: 8-29-11



REV'S PER CITY 03/14/2011

1. ADDED DROP INLET SIZE.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.



- GENERAL NOTES**
- Bases, anchor bolts, conduit, and wiring for all signs are by the General Contractor.
 - 3/4" empty conduit to locations shown at the lot perimeter for lighting is by the General Contractor. Lighting fixtures, bases, poles, conduit, and wiring are by the General Contractor.
 - Lot lighting concrete footings to conform with the sole report recommendations for the site.
 - Bases for flagpoles are by the General Contractor. Anchor bolts are by the flagpole supplier. General contractor shall coordinate with flag pole supplier prior to construction.
 - The Contractor shall coordinate with all utility companies to determine exact point of service connection at existing utility. Refer to the building electrical and plumbing drawings for utility service entrance locations, sizes, and circling.
 - General Contractor must provide "as built" information upon completion.
 - All elevations shown are in reference to the benchmark and must be verified by the General Contractor at groundbreak.
 - Curb elevations shall be 6" above finish pavement unless noted otherwise.
 - All landscape areas shall be rough graded to 6" below top of all walks and curbs. Finished grading, landscaping and sprinkler systems are by the Owner / Operator.
 - It is strongly recommended that no contractual agreements of any kind be signed prior to receiving and thoroughly reviewing all approvals from all of the regulatory authorities having jurisdiction over this project.
 - Due to the nature of the work, all dimensions shown shall be considered approximate. Contractor shall field verify all dimensions prior to beginning construction. Shop drawings shall be submitted to the Architect and/or Engineer for approval prior to fabrication or installation of any item. Failure to adhere to this procedure shall place full responsibility for any errors directly upon the Contractor.
 - Contractor shall contact appropriate jurisdictional agencies prior to construction to confirm if independent testing or inspections will be required prior to their acceptance of work. Contractor shall make necessary arrangements to insure proper testing & inspections are documented such that work will be accepted at project completion.
 - Sidewalks around building shall have same subgrade preparation as building foundation.
 - All materials and construction with easements and R.O.W. shall conform to all governing authorities' jurisdictional standard construction details and specifications.
 - Topographic information taken from a Topographic Survey performed by AJ BEDFORD GROUP, INC. The Contractor shall notify the Engineer immediately, in writing, of any discrepancies or omissions to the topographic information. The Contractor(s) shall be responsible for confirming the location (horizontal/vertical) of any buried cables, conduits, pipes, and structures (storm sewer, sanitary sewer, water, gas, television, telephone, etc.) which impact the construction site. The Contractor(s) shall notify the Owner and Engineer if any discrepancies are found between the actual conditions versus the data contained in the construction plans. Any costs incurred as the result of not confirming the actual location (horizontal/vertical) of said cables, conduits, pipes, and structures shall be borne by the Contractor. Additionally, the Contractor(s) shall notify the Owner and Engineer if any errors or discrepancies are found on the construction documents (as-is), which negatively impact the project. The Engineer and Owner shall be indemnified of problems and/or cost which may result from Contractor's failure to notify Engineer and Owner.
 - McDonald's reserves the right to request a compaction and/or a core sample. If tests prove correct, per the soils report, tests will be at the expense of McDonald's, otherwise G.C. will be charged.
 - Contractor shall comply to the fullest extent with the latest standards of OSHA directives or any other agency having jurisdiction for excavation and trenching procedure. Contractor shall use support systems, sloping, benching, or other means of protection, including but is not limited to, access and egress from all excavation and trenching. Contractor is responsible to comply with performance criteria of OSHA.

PAVING SPECIFICATION

VERIFY W/MCDONALD'S:	ASPHALT: <input type="checkbox"/>	CONCRETE: <input checked="" type="checkbox"/>
CONTRACTOR TO BID:	ASPHALT: <input type="checkbox"/>	CONCRETE: <input checked="" type="checkbox"/>

NOTE: ALL PAVING & SUBGRADE SPECIFICATIONS TO COMPLY WITH GEOTECHNICAL REPORT AS PREPARED BY: TERRACON CONSULTANTS, INC. 10/15/2010 PROJECT NO. 94105225

BENCHMARK
 1. STANDARD CITY OF ROCKWALL MONUMENT STATION NO. 10 IS 2" BRASS DISC SET IN THE CENTER MEDIAN OF NORTH LAKESHORE DRIVE NEAR THE INTERSECTION OF NORTH LAKESHORE DRIVE AND NORTH ALAMO. POSTED ELEVATION = 524.79

SURVEY INFORMATION

PREPARED BY: AJ BEDFORD GROUP, INC. 401 N. ALAMO RD. ROCKWALL, TX (972) 722-0225 DATE: 10/01/2010

LEGAL DESCRIPTION: LOT 6, BLOCK A STONE CREEK RETAIL ADDITION

PLAN SCALE: ---

ADDITION
STONE CREEK RETAIL
 STREET ADDRESS
SH 205 & SH 552

CITY: ROCKWALL STATE: TEXAS

COUNTY: ROCKWALL COUNTY SURVEY: W.T. DEWEESE ABSTRACT NO. ---

L/C NUMBER: 042-2854 CORPORATE DWG. NAME: POST DEVELOPED DRAINAGE PLAN

Adams ENGINEERING
 910 S. Embury Avenue • Suite 100 • Irving, TX 75039 • (972) 251-1300

McDONALD'S
 THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.
 TYPE Registration #: F-1002
 McDONALD'S L/C: 042-2854
 ADAMS ENGINEERING No. 2009-101

OFFICE: GREATER SOUTHWEST ADDRESS: KRCC DRIVE - OAK BROOK, ILLINOIS 60521

DATE: ---

REGIONAL MGR. --- CONST. MGR. --- OPERATIONS DEPT. --- REAL ESTATE DEPT. --- CONTRACTOR: --- OWNER: ---

STATUS: --- DATE: --- BY: ---

PLAN CHECKED: ---

AS-BUILT

C8.1