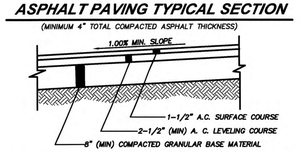
GROVE CITY, OHIO
DEVELOPMENT PLAN AMENDMENT FOR:

McDONALD'S RESTAURANT REMODEL

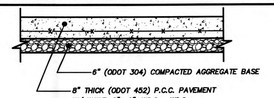
2596 LONDON GROVEPORT ROAD
AUGUST 2016

ASPHALT PAVING TYPICAL SECTION

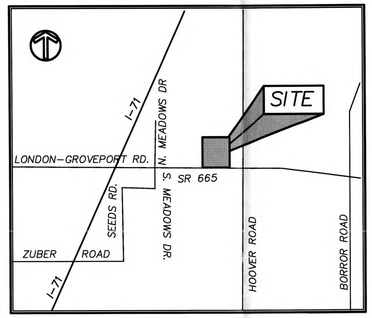


NOTE: McDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. IF TESTS PROVE CORRECT, PER ABOVE SPECIFICATION, TESTS WILL BE AT THE EXPENSE OF McDONALD'S, OTHERWISE, G.C. WILL BE CHARGED.

CONCRETE PAVEMENT TYPICAL SECTION



NOTES: CONTROL JOINTS 12'-0" O.C.
APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT



LOCATION MAP
NOT TO SCALE

GENERAL NOTES

THE CITY OF GROVE CITY, THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, THE OHIO ENVIRONMENTAL PROTECTION AGENCY, AND AMERICAN WATER WORKS ASSOCIATION STANDARDS AND SPECIFICATIONS SHALL GOVERN ALL MATERIAL AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN IN THESE PLANS.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTOR(S) TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THIS WORK.

THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION NOT SPECIFIED HEREIN, NOR FOR SAFETY ON THE JOB SITE OR THE CONTRACTOR'S FAILURE TO COMPLETE THE WORK AS SPECIFIED ON THIS PLAN.

ANY MODIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF THE WORK TO BE PERFORMED PRIOR TO MAKING HIS BID. THIS IS ESPECIALLY TRUE WITH REGARD TO ANY REMOVAL ITEMS.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL EXISTING WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION PRIOR TO THE DAMAGE, AT HIS OWN EXPENSE. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE DEVELOPER'S ENGINEER AND CITY ENGINEER. ANY DAMAGE TO OTHER UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE APPROPRIATE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.

DIMENSIONS ARE TO FACE OF CURB AND/OR EXTERIOR OF BUILDING UNLESS OTHERWISE NOTED.

ALL SIDEWALKS & HANDICAP RAMPS SHALL BE BUILT TO ADA STANDARDS.

CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.

ALL ROADWAY AND SIDEWALK CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF LOCAL AND/OR STATE GOVERNING AGENCY.

ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL AND/ OR GOVERNING AGENCY REGULATIONS AND SPECIFICATIONS.

CITY OF GROVE CITY APPROVALS:

"CITY OF GROVE CITY" SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

CITY ADMINISTRATOR, CITY OF GROVE CITY	DATE
SERVICE DIRECTOR, CITY OF GROVE CITY	DATE
REVIEWED FOR THE CITY OF GROVE CITY	DATE
JACKSON TOWNSHIP FIRE DEPARTMENT	DATE

DEVELOPER

McDONALD'S USA, LLC
2 EASTON OVAL, SUITE 200
COLUMBUS, OHIO 43219
AREA CONSTRUCTION MANAGER: CHARLES PEPERAK
PHONE: 412-631-1506
EMAIL: chuck.peperak@us.mcd.com

CIVIL ENGINEER

SITESOURCE CONSULTANTS, INC.
4254 TULLER ROAD
DUBLIN, OHIO 43017
PHONE: 614-718-9633
FAX: 614-761-0717
EMAIL: sitesource@ameritech.net

PERMIT EXPEDITOR

PERMIT SOLUTIONS, INC.
P.O. BOX 307774
COLUMBUS, OHIO 43230
PHONE: 330-524-3113
EMAIL: londecker@permitsolutionohio.com

Ohio Utilities Protection Service
Call Before You Dig
1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)

SITE SUMMARY

LOT ACREAGE: 1.127 ACRES

PARCEL NUMBER: #040-13860

EXISTING/PROPOSED ZONING: "PUD-C" (PLANNED UNIT DEVELOPMENT-COMMERCIAL)

MINIMUM FRONT SETBACK: 40'
MINIMUM SIDE SETBACK: 10'
MINIMUM REAR SETBACK: 6'

MAXIMUM BUILDING HEIGHT: 35'

MAXIMUM BUILDING COVERAGE: 75%

EXISTING/PROPOSED USE: FAST FOOD RESTAURANT WITH DRIVE THRU

BOUNDARY AND TOPOGRAPHIC INFORMATION ARE BASED ON THE FIELD SURVEY PERFORMED BY SITE ENGINEERING, INC. DATED JUNE 2016

PROPOSED BUILDING: 5,016 S.F. (GROSS)

PROPOSED BUILDING HEIGHT: 17'-11" (T/ROOF CAP ELEMENT)

RECEIVED
AUG 01 2016
GC PLANNING COMMISSION

PARKING REQUIREMENTS

ONE (1) FOR EACH 50 S.F. OF GROSS FLOOR AREA (EXCLUDING KITCHEN AREA)

BUILDING GROSS FLOOR AREA = 1,110 S.F.
(1,110/50 =22.2) = 23 SPACES REQUIRED

TOTAL OF PARKING SPACES PROVIDED = 46 SPACES
(INCLUDES 2 ACCESSIBLE SPACES)

AREA CALCULATIONS

TOTAL LOT SIZE = 49,093 S.F. (100%)

TOTAL IMPERVIOUS AREA = 37,541.43 S.F. (76.5%)

TOTAL LANDSCAPE AREA = 11,551.57 S.F. (23.5%)

BENCH MARKS NAVD 88 DATUM

SOURCE BENCH MARK, ELEVATION OBTAINED USING TRIMBLE RTK GPS EQUIPMENT AND OHIO DEPARTMENT OF TRANSPORTATION CORS/VRS NETWORK, NAVD 1988.

BENCH MARK #1 ~CENTER, TOP OF CASTING ON STORM CATCH BASIN IN THE NORTHEAST CORNER OF MCDONALD'S PARKING LOT. ELEV=814.10

BENCH MARK #2 ~CENTER, TOP OF CASTING ON STORM CATCH BASIN IN THE SOUTHEAST CORNER OF MCDONALD'S PARKING LOT. ELEV=814.24

BENCH MARK #3 ~CENTER, TOP OF CASTING ON STORM CATCH BASIN IN THE SOUTHWEST CORNER OF MCDONALD'S PARKING LOT. ELEV=814.33

DRAWING INDEX

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SD-2	SITE DETAILS
SD-3	SITE DETAILS
1 OF1	TOPOGRAPHIC SURVEY

REV	DATE	DESCRIPTION	BY
X	X	ISSUED FOR BIDS AND PERMITS	X
	01AUG16		

STATE OF OHIO RICHARD SITLER 47802 REGISTERED PROFESSIONAL ENGINEER

SiteSource Consultants, Inc.
4254 Tuller Road - Dublin, Ohio 43017
Phone: 614-718-9633 - Fax: 614-761-0717
Email: sitesource@ameritech.net

REGISTERED ENGINEER — NO. 47802 — DATE 8/1/16

L/C # 34-1529

McDonald's®
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

JOB NO. SS016-518

DATE: AUGUST 2016

COVER SHEET

SHEET: CV

GENERAL NOTES

A PAYMENT SHALL BE MADE TO THE CITY BY THE DEVELOPER FOR CONTRACT WORK PERFORMED BY THE CITY, NOT A DEDUCT.

SPECIFICATIONS: THE CURRENT CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION (ODOT) "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMSC AND ODOT CMS RESPECTIVELY), TOGETHER WITH THE REQUIREMENTS OF THE CITY OF GROVE CITY, OHIO, INCLUDING ALL SUPPLEMENTS THERETO, IN FORCE ON DATE OF CONTRACT SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS EXCEPT AS SUCH SPECIFICATIONS ARE MODIFIED BY THE FOLLOWING SPECIFICATION, OR BY THE CONSTRUCTION DETAILS SET FORTH HEREIN. IN CASE OF ANY CONFLICT AMONG THESE IDENTIFIED TECHNICAL SPECIFICATIONS, THE GREATER REQUIREMENT SHALL TAKE PRECEDENCE (AS DIRECTED BY THE SOLE DISCRETION OF THE CITY ENGINEER) UNLESS DIRECTED OTHERWISE BY THE CITY ENGINEER.

GENERAL PROVISIONS OF THE ODOT AND THE CITY OF COLUMBUS CMS AS MODIFIED HEREIN SHALL NOT APPLY. THIS EXCLUSION INCLUDES BUT IS NOT NECESSARILY LIMITED TO DIVISION 100 OF THE ODOT AND CITY OF COLUMBUS CMS.

ELEVATION DATUM: ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 88 DATUM.

BENCHMARKS: THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, AND STAKES. ANY BENCHMARK, PROPERTY CORNER, OR SURVEY MARKER DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

SAFETY REQUIREMENTS: THE CONTRACTOR AND ANY AND ALL SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

CONFINED SPACE ENTRY: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FOLLOWING THE OSHA REQUIREMENTS FOR "CONFINED SPACE ENTRY" (CSE), TITLE #29 OF THE FEDERAL REGULATIONS CODE, PART 1910.146, WHILE PERFORMING WORK INSIDE ANY MANHOLE OR OTHER CONFINED SPACE REQUIRING A PERMIT. COPY OF ALL CSE PERMITS SHALL BE GIVEN TO THE CITY UPON PROJECT COMPLETION.

PERMITS:THE CONTRACTOR OR DEVELOPER SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENT FEES, LICENSES, AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE IMPROVEMENTS SHOWN ON THE PLANS.

NOTIFICATION: THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 48 HOURS IN ADVANCE (HOLIDAYS AND WEEKENDS EXCLUDED) OF THE ANTICIPATED START OF WORK REQUIRING INSPECTION, TESTING, OR APPROVAL BY THE CITY ENGINEER. WORK SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION CONFERENCE IS HELD.

THE CONTRACTOR SHALL NOTIFY ALL ADJACENT LANDOWNERS A MINIMUM OF ONE WEEK IN ADVANCE OF WORK NEAR THEIR PROPERTY. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR A SUGGESTED FORMAT FOR THE NOTICE.

INSPECTION: THE CITY OF GROVE CITY WILL PROVIDE ALL CONSTRUCTION INSPECTION FOR THIS PROJECT. NO WORK SHALL BE COMMENCED UNTIL ARRANGEMENTS HAVE BEEN MADE WITH THE CITY ENGINEER AND SERVICE DIRECTOR FOR INSPECTION SERVICES.

WORK HOURS: GENERAL WORK HOURS ON THIS PROJECT SHALL BE AS DESCRIBED IN SECTION 105.06 AND 105.07 OF THE CMSC, WITH THE EXCEPTION BEING LINING OPERATIONS.

UTILITIES: THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY AS REQUIRED BY SECTION 153.64 OR SECTION 3781.27 OF THE OHIO REVISED CODE. THE CITY OF GROVE CITY AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF LOCATIONS OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE CITY.

THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT (1-800-362-2764) AT LEAST 48 HOURS, AND NO MORE THAN 10 DAYS PRIOR TO EXCAVATING, WITH SUCH TIME PERIODS NOT INCLUDING WEEKENDS OR HOLIDAYS. CONTRACTOR SHALL SIMILARLY CONTACT ALL UTILITY OWNERS WHO ARE NOT SUBSCRIBERS TO OUPS.

THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND THE OWNERS DO NOT SUBSCRIBE TO A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE.

UTILITY	OWNER	PHONE
WATER, SANITARY, AND STORM SEWER FACILITIES 4035 BROADWAY GROVE CITY, OHIO 43123	CITY OF GROVE CITY	614-277-1100

THE CITY OF GROVE CITY IS NOT A MEMBER OF THE OHIO UTILITIES PROTECTION SERVICE. BEFORE YOU EXCAVATE, FAX THE CITY OF GROVE CITY SERVICE DEPARTMENT, 614-277-1112 WITH YOUR MARKING REQUEST.

THE FOLLOWING ADDITIONAL UTILITIES ARE KNOWN OR CAN BE EXPECTED TO BE LOCATED WITHIN THE LIMITS OF THE PROJECT (R/W OF DISCOVERY DRIVE).

UTILITY	OWNER	PHONE
ELECTRIC	AMERICAN ELECTRIC POWER 850 TECH CENTER DRIVE GAHANNA, OHIO 43230-2177	1-800-277-2177
GAS	COLUMBIA GAS OF OHIO 920 W. GOODALE BLVD. COLUMBUS, OHIO 43212 MR. DOUG WILLAMAN	614-460-2085

THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL PROCEED WITH THE WORK AND PROTECT ALL UNDERGROUND UTILITIES IN A MANNER AT LEAST AS CAUTIOUS AND PROTECTIVE OF SAFETY AND UNDERGROUND UTILITIES AS THOSE METHODS IDENTIFIED IN SECTIONS 3781.25 THROUGH 3781.30 OF THE OHIO REVISED CODE.

ALL PRIVATE UTILITY RELOCATION (GAS, ELECTRIC, PHONE, ETC.) WILL BE THE RESPONSIBILITY OF THE UTILITY OWNERS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.

EXPOSE EXISTING UTILITY: WHERE POTENTIAL GRADE AND ALIGNMENT CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, OR AS SPECIFICALLY CALLED OUT ON THE PLANS (THESE LOCATIONS ARE NOTED THUS: EXPOSED), THE CONTRACTOR SHALL EXPOSE UTILITIES OR STRUCTURE SUFFICIENTLY IN ADVANCE OF LAYING PIPE FOR THE ENGINEER TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. ANY DISCREPANCY TO THE PLANS SHALL BE COORDINATED WITH THE CITY ENGINEER TO ENSURE THAT THERE ARE NO CONSTRUCTION OR CONFLICT ISSUES ASSOCIATED WITH DISCREPANCY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PROPOSED SEWER IF A SPECIFIC BID ITEM IS NOT PROVIDED IN THE ESTIMATE OF QUANTITIES.

CONFLICTS: IN ALL CONFLICTS IN GRADE BETWEEN THE WATER MAINS AND GRAVITY SEWERS, THE WATER MAIN SHALL BE LOWERED DURING CONSTRUCTION.

SITE VISIT:THE CONTRACTOR SHALL PERFORM FIELD RECONNAISSANCE TO BECOME ACQUAINTED WITH THE EXISTING SITE CONDITIONS AND THE POTENTIAL EFFECTS UPON THE SCOPE OF WORK.

MISCELLANEOUS WORK:THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SERVICES, AND RELATED ACCESSORIES FOR A COMPLETE PROJECT, AS SHOWN AND DESCRIBED IN THE PLANS AND SPECIFICATIONS. THE PRICE FOR ITEMS OF WORK OR MATERIALS SHOWN ON THE PLANS OR PROVIDED FOR IN THE SPECIFICATIONS OR SPECIAL PROVISIONS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED , SHALL BE PERFORMED BY THE CONTRACTOR AND THE COSTS INCLUDED AMONG THE VARIOUS BID ITEMS. SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER IS SATISFIED WITH THE PLANS AND CONDITIONS, AS SHOWN. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS, OR SPECIAL PROVISIONS.

RIGHT-OF-WAY: IN ADDITION TO THE DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF THE RIGHT-OF-WAY FOR DISCOVERY DRIVE. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT UNLESS SPECIFIC PROVISION IS MADE IN THE CONTRACT SPECIFICATIONS FOR SUCH COST UNDER SPECIFIC ITEMS OF THE CONTRACT.

EASEMENTS: APPROVAL OF THIS PLAN IS CONTINGENT ON ALL EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE WORK BEING SECURED AND SUBMITTED TO THE CITY OF GROVE CITY FOR RECORDING PRIOR TO COMMENCEMENT OF THE WORK, AND NO WORK WHICH REQUIRES AN EASEMENT WILL BE ALLOWED TO PROCEED UNTIL THIS HAS BEEN DONE.

WORK LIMITS: THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL PERFORMED WORK AND ALL EQUIPMENT, MATERIALS, VEHICLES, ETC., USED TO COMPLETE THE WORK ON THE PROJECT SITE AND WITHIN THE RIGHT-OF-WAY OF DISCOVERY DRIVE AS SHOWN ON THESE PLANS.

THE CONTRACTOR IS RESPONSIBLE FOR COST OF RESTORATION FOR ANY AREA OUTSIDE OF THE RIGHT-OF-WAY OR PERMANENT EASEMENT TO FORMER CONDITION AND TO THE SATISFACTION OF THE PROPERTY OWNER.

CONTRACT WORK PERFORMED BY THE CITY: IN THE EVENT THAT IT BECOMES NECESSARY FOR THE CITY TO PERFORM WORK OF AN IMMEDIATE NATURE (SUCH AS THE PLACEMENT OF BARRICADES OR REPLACEMENT OF SIGNS OR OTHER WARNING OR PROTECTIVE DEVICES) REQUIRED OF THE CONTRACTOR BY THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK, THE CONTRACTOR SHALL REIMBURSE THE CITY AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE CITY SHALL BE REIMBURSED BY THE CONTRACTOR BY THE WAY OF A DEDUCTION FROM THE CONTRACTOR'S NET PAYMENT UNDER THE CONTRACTOR.

CONVENIENCE FACILITIES: THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE WORK. COST SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

NON-RUBBER TIRED VEHICLES: NO NON-RUBBER TIRED VEHICLES SHALL BE MOVED ON CITY STREETS. EXCEPTIONS MAY BE GRANTED BY THE CITY OF GROVE CITY WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING, AND ANY DAMAGE MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF GROVE CITY.

SIGNS, MAILBOXES, FENCES, ETC.: THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL SIGNS, MAILBOXES, FENCES, GUARDRAILS, SHRUBS, PROPERTY, DRAINAGE STRUCTURES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING CONSTRUCTION WHETHER SHOWN ON THE PLANS OR NOT TO THEIR ORIGINAL LOCATION AND CONDITION AND TO THE SATISFACTION OF THE PROPERTY OWNER. COST TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

STANDARD TOPSOIL, SEEDING, FERTILIZER, AND MULCHING: ALL TOPSOIL SHALL BE OF THE HIGHEST QUALITY AND FREE OF ALL STONES, TRASH AND OTHER DELETERIOUS MATERIALS GREATER THAN 1/4". ORGANIC CONTENT SHALL BE TESTED BY AN APPROVED LAB AND CERTIFIED TO BE BETWEEN 10-20% BY WEIGHT, AND ALL TOPSOIL SHALL BE SATURATED WITH WATER AND ALLOWED TO SETTLE PRIOR TO SEEDING. SETTLED AREAS SHALL BE REFILLED AND SATURATED AGAIN PRIOR TO SEEDING. THE GRADES SHALL MATCH ALL EXISTING LANDSCAPE AND ANY IMPROVEMENTS COMPLETED UNDER THIS PLAN. THE CONTRACTOR SHALL SCARIFY THE SOIL SURFACE TO OPEN THE SOIL PRIOR TO SEEDING. ALL SEEDING, FERTILIZE, AND MULCH SHALL BE PLACED WITHIN 5 WORKING DAYS OF PLACING TOPSOIL. THE SEEDING AND FERTILIZER MIXES SHALL BE AS SPECIFIED BY THE CITY AND SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. THE STARTER-FERTILIZER MIX SHALL CONTAIN A MINIMUM OF 3% SIDURON, TO PREVENT WEED ESTABLISHMENT. NO WEEDS OR UNDESIRABLE GRASSES WILL BE ACCEPTED IN THE FINAL INSPECTION. IF THE INITIAL SEEDING IS NOT 95% ESTABLISHED BY SEPTEMBER 15TH, THE CONTRACTOR SHALL RE-SEED, FERTILIZE AND MULCH THE BARE AREAS PRIOR TO OCTOBER 1ST.

DEWATERING: THE CONTRACTOR IS SOLELY RESPONSIBLE TO THE OHIO DEPARTMENT OF NATURAL RESOURCES (O.D.N.R.) FOR REGISTRY, MAINTENANCE, AND ABANDONMENT OF ANY WITHDRAWAL DEVICES USED IN THE CONSTRUCTION OF THIS PROJECT.

INSTALLATION OF ANY WELL, WELL POINT, PIT OR OTHER DEVICE USED FOR THE PURPOSE OF LOWERING THE GROUNDWATER LEVEL TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR AS DIRECTED BY THE DIRECTOR OR HIS REPRESENTATIVES.

THE CONTRACTOR SHALL BE REQUIRED TO COMPLETE AND FILE A WELL LOG AND A DRILLING REPORT FORM WITH O.D.N.R., DIVISION OF WATER, WITHIN 30 DAYS OF THE COMPLETION OF INSTALLATION OF ANY WELL, WELL POINT, PIT OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUNDWATER FROM AN AQUIFER, IN ACCORDANCE WITH SECTIONS 1521.01 AND 1521.05 OF THE OHIO REVISED CODE. IN ADDITION, ANY SUCH FACILITY THAT HAS A CAPACITY TO WITHDRAW WATERS OF THE STATE IN AN AMOUNT GREATER THAN 100,000 GALLONS PER DAY FROM ALL SOURCES SHALL BE REGISTERED BY THE CONTRACTOR WITH THE CHIEF OF THE O.D.N.R., DIVISION OF WATER, WITHIN THREE MONTHS OF COMPLETION OF THE FACILITY IN ACCORDANCE WITH SECTION 1521.16 OF THE OHIO REVISED CODE. COPIES OF THE NECESSARY PAPERWORK CAN BE OBTAINED AT O.D.N.R., DIVISION OF WATER, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224-1387 (614) 265-6717.

THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY, ADEQUATE TO DEWATER THE TRENCH, SHOULD WATER BE ENCOUNTERED. THE TRENCH SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BEDDING AND THE LYING AND JOINING OF PIPE IS MADE ON FIRM, DRY GROUND. IF DEWATERING CANNOT PRODUCE ACCEPTABLE SUBGRADE, AND ONLY AS DIRECTED BY THE ENGINEER, UNSUITABLE MATERIALS SHALL BE REMOVED AND REPLACED BY CMSC ITEM 906, STONE FOUNDATION.

THE CONTRACTOR SHALL CONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER WITHOUT DAMAGE TO PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DEWATERING DISCHARGE. COST FOR THE ABOVE SHALL BE INCLUDED IN THE BID PRICE FOR THE SANITARY SEWER IMPROVEMENTS.

THE COST OF ANY DEWATERING OPERATIONS REQUIRED FOR THE CONSTRUCTION OF THE SANITARY SEWER SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS SEWER ITEMS.

REPLACEMENT OF DRAIN TILES AND STORM SEWERS: ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED, OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. REPLACED DRAIN TILE SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION. COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

MAINTAIN DRAINAGE: THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE, UNLESS SPECIFIC PROVISION IS MADE WITHIN THE CONTRACT DOCUMENTS FOR THE MEASURE OF AND PAYMENT FOR SUCH COST SPECIFIC ITEMS, TO A CONDITION SATISFACTORY TO THE ENGINEER.

INLET PROTECTION: THE CONTRACTOR IS RESPONSIBLE TO KEEP ALL STORM SEWER INLETS PROTECTED FROM EXCESSIVE AMOUNTS OF SEDIMENTS USING ADEQUATE FILTERING DEVICES AS APPROVED BY THE CITY.

EROSION AND SEDIMENTATION CONTROL: THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL POINTS WHERE STORM RUNOFF LEAVES THE PROJECT INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS. EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED AS PER THE REQUIREMENTS OF THE CITY OF GROVE CITY AND THE STANDARDS AND SPECIFICATIONS OF THE " RAINWATER AND LAND DEVELOPMENT" MANUAL OF THE ODNR.

EROSION CONTROL MEASURES ARE TO BE INSTALLED PER NPDES PERMIT REGULATIONS OR AS DIRECTED BY THE CITY ENGINEER, AND ARE TO BE MAINTAINED UNTIL SUCH TIME THAT THEY ARE NO LONGER REQUIRED BY THE PERMIT AND THE CITY ENGINEER. COST FOR EROSION AND SEDIMENTATION CONTROL SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 207.

ALL LAND DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF GROVE CITY AND/OR THE OHIO EPA. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ENFORCEMENT ACTION.

THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE CITY IF GROVE CITY 48 HOURS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF TWO OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENTATION CONTROL PRACTICES ARE MANDATED BY REGULATIONS TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY.

SOIL STOCKPILES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STOCKPILES, INCLUDING TRENCH EXCAVATING STOCKPILES, PROTECTED FROM EROSION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM EROSION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM SEDIMENT WITH THE USE OF PERIMETER CONTROL DEVICES SUCH AS EARTH OR STRAW BALE DEVICES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.

DISPOSAL OF EXCESS EXCAVATION: UNLESS SPECIFICALLY STATED OTHERWISE ON THE PLANS, THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL THAT IS NOT BEING USED AS FILL AT AN OFFSITE LOCATION. THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED, WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND THE OFFSITE LANDOWNER BEFORE SUCH DISPOSAL OCCURS. THE AGREEMENT SHALL CLEARLY STATE THE PURPOSE OF THE AGREEMENT AND INDICATE THE LANDOWNER'S PERMISSION FOR SUCH USE. THE COST FOR DISPOSAL OF EXCAVATED MATERIALS SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR THE VARIOUS ITEMS OF WORK.

CONSTRUCTION DEBRIS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS, MUD OR DIRT TRACKED OR SPILLED ON CITY AND/OR PUBLIC STREETS OR PRIVATE DRIVES WHETHER INSIDE OR OUTSIDE THE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANY SERVICES CONTRACTED AND/OR COMPLETED BY THE CITY OF GROVE CITY IN THE CLEANUP OF ANY TRACKING OR SPILLAGE ANYTIME DURING PROJECT CONSTRUCTION. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO PERFORM WEEKLY STREET CLEANING IF EXCESSIVE AMOUNTS OF DIRT AND MUD ARE LEFT ALONG THE STREET. THIS MAY INCLUDE REMOVAL BY SWEEPING, POWER CLEANING, OR MANUAL METHODS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS, UNLESS OTHERWISE SPECIFIED.

CLEANUP: ALL DEBRIS, RUBBLE, UNUSABLE MATERIALS, AND ITEMS NOT SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF PROPERLY.

MAINTENANCE OF TRAFFIC NOTES: ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS (CURRENT EDITION), COPIES OF WHICH ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPIRATION, BUREAU OF TRAFFIC, 1980 WEST BROAD ST. COLUMBUS, OHIO 43223.

STEADY-BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES , DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. CONES ARE NOT APPROVED FOR USE AT NIGHT.

ALL TRENCHES WITHIN THE RIGHT-OF WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA SHALL BE MAINTAINED AT ALL TIMES.

POLICE OFFICERS ARE NOT NEEDED, UNLESS A HAZARD DEVELOPS, FOR TWO-WAY, ONE-LANE TRAFFIC MAINTAINED DURING CONSTRUCTION OPERATIONS ON ALL ROADWAYS WITHIN THE PROJECT AREA. IF A HAZARD DEVELOPS, AN OFF-DUTY OFFICER MAY BE ASSIGNED BY THE CITY TO THE PROJECT AT THE CONTRACTOR'S EXPENSE.

ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS SHALL BE MAINTAINED THROUGH THIS PROJECT BY THE CONTRACTOR. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, AND IMPROPERLY PLACED SIGNS.

ANY WORK DONE BY THE CITY, INCLUDING INSTALLATION, ELOCUTIONS, REMOVAL AND/OR REPLACEMENT OR PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF THE NEGLIGENCE OF THE CONTRACTOR SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE PIPE AND STRUCTURE INSPECTION:ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. ALL CONCRETE PIPE, STORM, AND SANITARY SEWER STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM, AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. INSTALLATION OF PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED.

PIPE MATERIAL: ALL SEWER PIPE ON THIS PROJECT SHALL BE IN ACCORDANCE WITH SECTION 901 OF THE CMSC. THE FOLLOWING COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATION (CMSC) PIPE MATERIALS WILL BE PERMITTED FOR USE FOR PUBLIC SEWERS:

STORM SEWER PIPE
OUTSIDE OF R/W LIMITS
FLEXIBLE PIPE WILL BE ALLOWED <= 15" DIAMETER (PVC PIPE 720.01) THAT HAVE A MINIMUM OF 4' COVERAGE AND A MAXIMUM OF 20' COVERAGE.
RIGID PIPE WILL BE REQUIRED FOR ALL SEWERS GREATER THAN 15" (REINFORCED CONCRETE PIPE 706.02. CONCRETE BOX 706.05) OR FOR ALL PIPE THAT WILL HAVE LESS THAN 4' COVERAGE OR GREATER THAN 20' COVERAGE.

WITHIN R/W
RIGID PIPE WILL BE REQUIRED FOR ALL SEWERS (REINFORCED CONCRETE PIPE 706.02. CONCRETE BOX 706.05)

FLEXIBLE PIPE WILL BE ALLOWED FOR 4" AND 6" DRAIN TILES WITHIN THE RIGHT-OF-WAY.

TRENCH BACKFILL: TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY AND/OR PAVEMENT, INCLUDING ALL POINTS TO WITHIN 3' BEHIND THE CURB, ARE TO BE FILLED WITH TYPE A BACKFILL. TRENCHES WITHIN THE RIGHT-OF-WAY BUT OUTSIDE THE ROAD INFLUENCE SHALL BE FILLED AND COMPACTED AS PER TYPE B BACKFILL. ALL OTHER TRENCHES CAN BE FILLED AND COMPACTED AS PER TYPE C BACKFILL.

ALL ITEM NUMBERS SHOWN BELOW REFER TO CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC) ITEM NUMBERS.

TYPE A BACKFILL SHALL BE GRANULAR MATERIAL, CONFORMING TO 703.01 NO. 4 COARSE AGGREGATE OR ITEM 304, AS DIRECTED BY THE ENGINEER COMPACTED AS STIPULATED IN ITEM 912.03 IN ALL CASES GRANULAR MATERIAL SHALL BE USED AROUND ALL MANHOLES, STRUCTURES AND CLEANOUTS.

TYPE B BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN TWO INCHES ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL, COMPACTED TO 95% OF ITS MAXIMUM LABORATORY DRY WEIGHT. PLACED PER SECTION 901.17.

TYPE C BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN SIX INCHES ACROSS THEIR GREATEST DIMENSION, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL, COMPACTED TO 90% OF ITS MAXIMUM LABORATORY DRY WEIGHT. WHEN APPROVED BY THE ENGINEER, ROCKS NO LARGER THAN ONE CUBIC FOOT MAY BE DEPOSITED AT LEAST THREE FEET ABOVE THE TOP OF THE SEWER.

AGGREGATE FOR BEDDING IS NO. 57 OR NO. 8 AS PER ITEM 703.

THE EXCAVATED TRENCH WIDTH TWELVE INCHES (12") ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION.

TRENCHES: ALL TRENCHES SHALL BE MAINTAINED AS SAFE AS POSSIBLE BY THE CONTRACTOR AT ALL TIMES AND BACKFILLED AS SOON AS PRACTICAL. ALL TRENCHES DURING NON-WORKING HOURS REQUIRE TRAFFIC PLATES, AND/OR LIGHTED BARRICADES AND CONSTRUCTION FENCE.

TRENCH DAMS: ALL SANITARY SEWERS REQUIRE TRENCH DAMS BETWEEN MANHOLES AND ON SERVICE LATERALS, AT THE PROPERTY LINE, MADE OF BENTONITE OR OTHER APPROVED IMPERMEABLE CLAY. TRENCH DAMS SHALL BE CONSTRUCTED ON ALL SANITARY SEWERS IN ACCORDANCE WITH ITEM 901.11.

WATER MAIN SEPARATION: THE CONTRACTOR SHALL MAINTAIN EIGHTEEN INCHES VERTICAL AND TEN FEET HORIZONTAL SEPARATION BETWEEN ANY WATER MAIN AND SANITARY SEWER.

DEFLECTION TESTING: ALL FLEXIBLE STORM SEWERS ARE SUBJECT TO MANDREL TESTING AND/OR VIDEO INSPECTION AS DIRECTED BY THE CITY ENGINEER. TESTING SHALL BE PERFORMED NO SOONER THAN 30 DAYS AFTER THE PIPE TRENCH HAS BEEN BACKFILLED AND ALL ROADWAY AND SITE FILLS OVER STORM SEWERS CONSTRUCTED. THE TESTING SHALL BE COMPLETED IN CONFORMANCE WITH THE REQUIREMENTS OF CMSC ITEM 901.21. MAXIMUM DEFLECTION SHALL NOT EXCEED 5% OF THE BASE INSIDE DIAMETER. COST OF THE TESTING SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

GRADE CHECKS:THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHEN EVER SEWER LINE STRUCTURES OR PIPE ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR THE USE OF AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO A TIME CONVENIENT TO THE CONTRACTOR.

THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING:
A. PROPER PLACEMENT OF EACH STRUCTURE.
B. PROPER INSTALLATION OF INITIAL RUNS OF PIPE FROM A STRUCTURE.
C. GRADE, AFTER AN OVERNIGHT OR LONGER SHUTDOWN.
D. GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE OF INSTALLATION.
E. A GRADE CHECK PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVES THE CONTRACTOR FOR THE ULTIMATE RESPONSIBILITY TO ENSURE TO THE PLAN GRADE.

GRADE CHANGES: IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING SEWER OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN SEWER SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER, WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED SEWER WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER, WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

GRADES AND ELEVATIONS SHOWN ON THE PLAN SHALL NOT BE REVISED UNDER ANY CIRCUMSTANCES WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE ENGINEER. INVERT ELEVATIONS SHALL NOT DEVIATE FROM PLAN ELEVATIONS BY MORE THAN 0.05'. FAILING TO MEET THE ABOVE REQUIREMENTS IS CAUSE FOR REJECTION OF THE AFFECTED SECTION OF SEWER.

STRUCTURE ADJUSTMENT: THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL PROPOSED MANHOLES. IF PRECAST STRUCTURES ARE UTILIZED, A MINIMUM OF THE TOP 6" AND A MAXIMUM OF 12", SHALL BE FIELD PLACED EITHER WITH GRADE RINGS OR BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT.

CLEAN WATER CONNECTIONS PROHIBITED: ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT.

PRUNING: BRANCHES OR GROWTH WHICH INTERFERES WITH THE FREE CONSTRUCTION OF THE PROJECT MAY BE REMOVED FROM TREES/BUSHES THAT ARE TO BE SAVED BY THE USE OF PRUNING TOOLS WITH PRIOR APPROVAL FROM THE CITY'S URBAN FORESTER. ALL PRUNING TOOLS USED AND METHODS EMPLOYED SHALL MEET THE APPROVAL OF THE CITY'S URBAN FORESTER. THE BRANCHES SHALL BE REMOVED WITH A GOOD CLEAN CUT MADE FLUSH WITH THE PARENT TRUCK OR, IF HAVING A GOOD HEALTHY LATERAL BRANCH, THE CUT SHALL BE A GOOD CLEAN SLANTING CUT CLOSE TO AND BEYOND THE HEALTHY BRANCH. ALL PRUNING CUTS SHALL BE PAINTED WITH AN ACCEPTED PRUNING PRESERVATIVE. THE COST OF ALL WORK AND EXPENSES CONNECTED WITH TREE PRUNING SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 201, CLEARING AND GRUBBING. NO EXTRA PAYMENT SHALL BE MADE.

NOTIFICATION: THE CONTRACTOR MUST PROVIDE PRE-NOTIFICATION OF WORK NO LESS THAN FORTY-EIGHT (48) HOURS PRIOR TO WORK BEING PERFORMED THAT WILL HAVE AN EFFECT ON RESIDENTS AND/OR BUSINESSES. THE PRE-NOTIFICATION MUST BE IN WRITING AND IT MUST INCLUDE: (1) CONTRACTOR NAME AND 24-HOUR PHONE NUMBER; (2) A DESCRIPTION OF WORK BEING PERFORMED; (3) A LIST OF RESTRICTIONS ON THE AFFECTED RESIDENTS AND/OR BUSINESSES; (4) INSTRUCTIONS TO AFFECTED RESIDENTS AND/OR BUSINESSES. THE WRITTEN NOTIFICATION SHALL BE SUBMITTED TO THE CITY FOR APPROVAL AT LEAST SEVEN (7) DAYS PRIOR TO WORK BEGINNING. THE CONTRACTOR SHALL ALSO POST "NO PARKING" SIGNS IN APPROPRIATE AREAS NO LESS THAN 48 HOURS IN ADVANCE OF ANY PARKING RESTRICTION.

AS SET FORTH HEREIN, THE CONTRACTOR SHALL PROVIDE ALL NOTICES REQUIRED UNDER THE CONTRACT DOCUMENTS AND SPECIFICATIONS STRICTLY IN THE MANNER PRESCRIBED HEREIN. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE CITY AND ITS OFFICERS, EMPLOYEES, REPRESENTATIVES, AND AGENTS (HEREIN AFTER COLLECTIVELY REFERRED TO AS THE "CITY") AGAINST ANY AND ALL CLAIMS, ACTIONS, DAMAGES, COSTS, AND LEGAL LIABILITY OF EVERY NAME AND NATURE THAT THE CITY MAY SUSTAIN, INCUR OR BE REQUIRED TO PAY (INCLUDING, BUT NOT LIMITED TO, CONSULTANT AND ATTORNEY'S FEES, DISBURSEMENTS, COSTS OR OTHER EXPENSES) ARISING OUT OF OR IN CONNECTION WITH THE CONTRACTOR'S FAILURE TO STRICTLY COMPLY WITH THE NOTICE PROVISIONS IMPOSED UNDER THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CITY MAY BE REIMBURSED BY THE CONTRACTOR AS NECESSARY TO SATISFY ANY CLAIM FOR INDEMNIFICATION UNDER THIS PROVISION.

REV	DATE	DESRCIPTION	BY
X	X	X	X
	01AUG16	ISSUED FOR BIDS AND PERMITS	

STATE OF OHIO ★ RICKARD A. SICKER E-47802 ★ REGISTERED PROFESSIONAL ENGINEER

SiteSource Consultants, Inc.
4254 Tuller Road · Dublin, Ohio 43017
Phone: 614-718-9633 · Fax: 614-761-0717
Email: sitesource@ameritech.net

REGISTERED ENGINEER 47802 NO. 7/1/16 DATE

L/C # 34-1529

McDonald's®

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

JOB NO. SS016-518

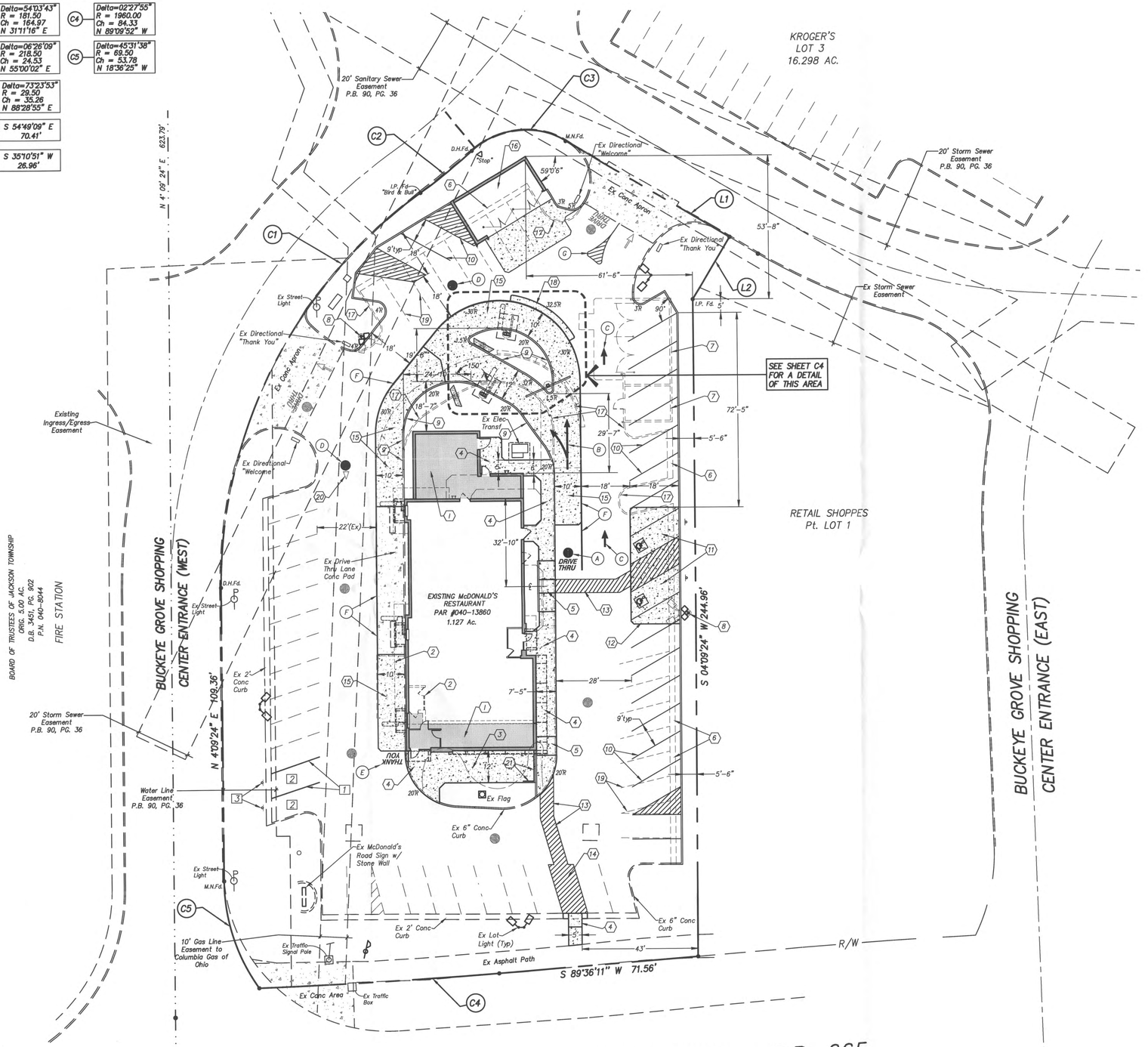
DATE: AUGUST 2016

GENERAL NOTES

SHEET: CV2

SURVEY BOUNDARY NOTES

C1	Delta=54°03'43" R = 181.50 Ch = 164.97 N 31°11'16" E	C4	Delta=02°27'55" R = 1960.00 Ch = 84.33 N 89°09'52" W
C2	Delta=06°26'09" R = 218.50 Ch = 24.53 N 55°00'02" E	C5	Delta=45°31'38" R = 68.50 Ch = 53.78 N 18°36'25" W
C3	Delta=73°23'53" R = 29.50 Ch = 35.26 N 88°28'55" E		
L1	S 54°49'09" E 70.41'		
L2	S 35°10'51" W 26.96'		



PROPOSED PAVEMENT MARKINGS

(SEE SHEET SD-1 FOR DETAILS)

- (A) "DRIVE THRU" W/ ARROW (YELLOW)
- (B) SINGLE ARROW (YELLOW)
- (C) DIRECTIONAL ARROW (WHITE)
- (D) ROUND CIRCLE (DIRECTIONAL ARROW) (YELLOW)
- (E) "THANK YOU" (YELLOW)
- (F) 6" YELLOW PAINTED LINE
- (G) PROPOSED PAINTED LINES (WHITE)

ALL EXISTING PAVEMENT MARKINGS ARE TO REMAIN UNLESS OTHERWISE NOTED

"PULL FORWARD" PARKING

1. PROP. YELLOW STRIPING
2. PROP. DESIGNATED "PULL FORWARD" SPACES
3. PROP. IN GROUND "PULL FORWARD" SIGN POST (SEE DETAIL SHEET SD-2)

SITE KEYNOTES

1. PROPOSED BUILDING ADDITION (SHOWN SHADED) (SEE ARCHITECTURAL PLANS)
2. PROPOSED BUILDING DEMO (SEE ARCHITECTURAL PLANS)
3. PROPOSED CONCRETE PATIO
4. PROPOSED CONCRETE WALK (SEE DETAIL SHEET SD-1)
5. PROPOSED H/C RAMP (SEE DETAIL SHEET SD-1)
6. EXISTING 2' CONCRETE CURB TO BE REMOVED
7. EXISTING MASONRY TRASH ENCLOSURE AND STORAGE SHED TO BE REMOVED
8. NEW LOT LIGHT BASE (RELOCATE EXISTING POLE AND FIXTURES) (SEE BASE DETAIL SHEET SD-3)
9. PROPOSED 6"x18" CONCRETE CURB (SEE DETAIL SHEET SD-1)
10. PROPOSED PARKING STRIPING (WHITE) (RESTRIPE AS SHOWN)
11. PROPOSED H/C PARKING SPACES (SEE DETAIL SHEET SD-1)
12. PROPOSED 18'x 43'-6" CONCRETE PAD (SEE SECTION SHEET CV)
13. PROPOSED 5' PAINTED CROSSWALK (WHITE)
14. STRIPE EXISTING PARKING SPACE AS SHOWN
15. PROPOSED DRIVE THRU LANE CONCRETE PAD (SEE SECTION SHEET CV)
16. PROPOSED MASONRY TRASH ENCLOSURE (SEE DETAIL SHEET C5)
17. EXISTING CONCRETE CURB TO BE REMOVED
18. PROPOSED 2'-6" WIDE CONCRETE CURB (6" HIGH)
19. EXISTING PARKING STRIPING TO BE REMOVED
20. EXISTING PAVEMENT MARKING TO BE REMOVED
21. PROPOSED GUARD RAIL (15'-4" L.F.) (SEE DETAIL SHEET SD-2)

20' 10' 0' 20' 40'

SCALE: 1" = 20'-0"

REV	DATE	DESCRIPTION	BY
X	X	ISSUED FOR BIDS AND PERMITS	X
	01AUG16		

STATE OF OHIO · RICKARD · SITE ENGINEER · 47802 · REGISTERED PROFESSIONAL ENGINEER

SiteSource Consultants, Inc.
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47802 8/1/16
REGISTERED ENGINEER — No. — DATE

L/C # 34-1529

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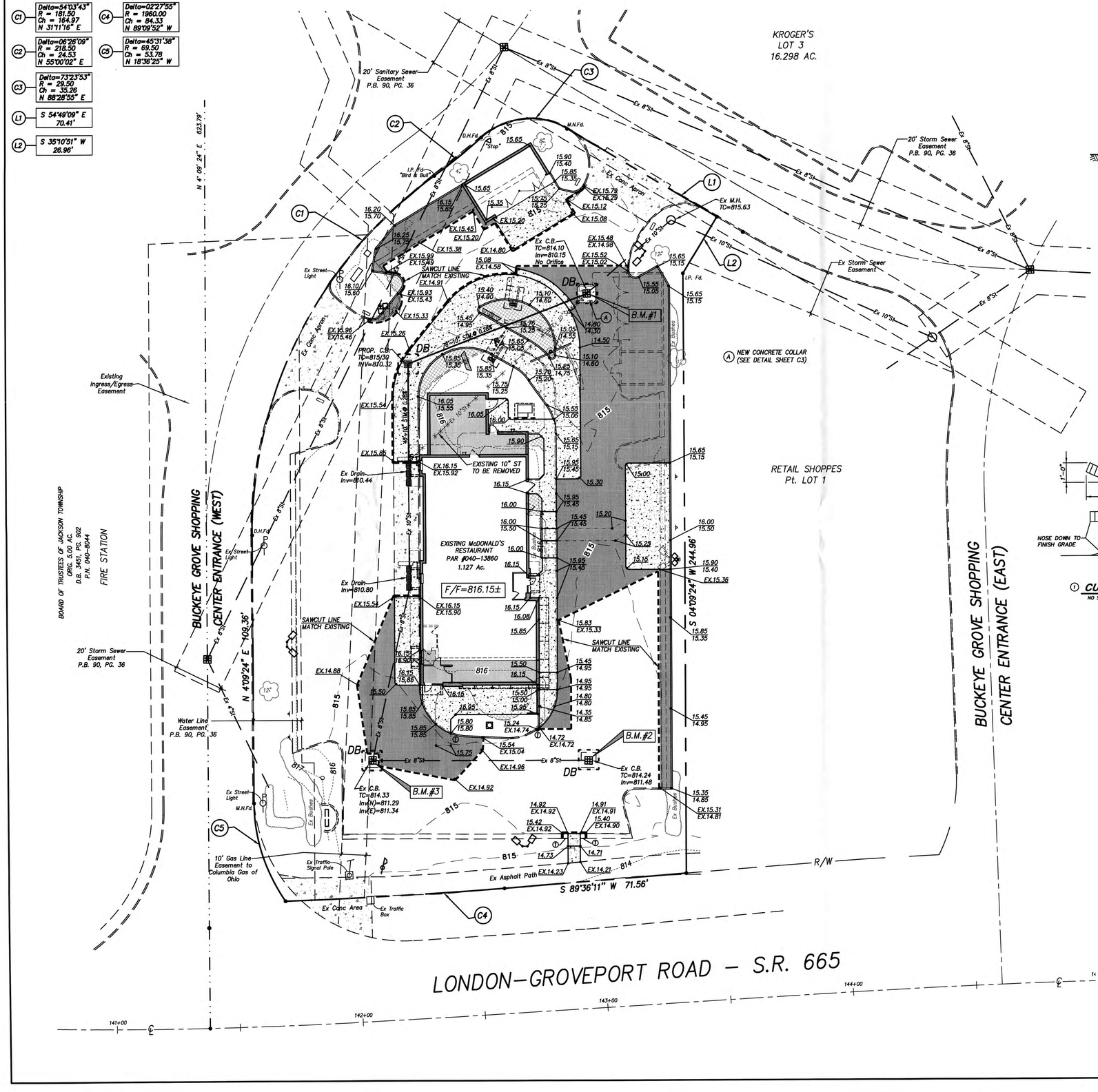
PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

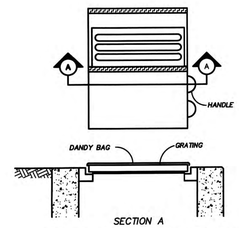
JOB NO. SS016-518

DATE: AUGUST 2016

SITE PLAN

SHEET: C1

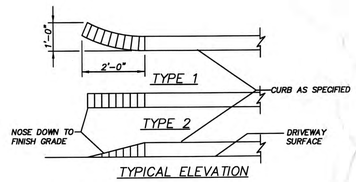




INSTALLATION: STAND GRATE ON END. PLACE DANDY BAG OVER GRATE. FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

MAINTENANCE: AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH BROOM.

DANDY BAG (DB)
NO SCALE



① **CURB HEIGHT TAPER DETAIL**
NO SCALE

GRADING NOTES

BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY SITE ENGINEERING, INC. DATED JUNE 2016.

THE PROPOSED PAVEMENT AND WALK AREAS SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION. THE CONTRACTOR MAY NEED TO REPAIR ADDITIONAL PAVEMENT AREAS DUE TO MEANS AND METHODS OF REMOVAL OF EXISTING ITEMS AS SHOWN ON PAGE C1. ADDITIONAL PAVEMENT/CURB WORK DUE TO EXTENTS OF DEMO OR REPAIR WORK SHALL BE INCLUDED AS PART OF THE CONTRACTORS SCOPE OF WORK.

ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUND BREAK.

FINISH WALK AND CURB ELEVATIONS SHALL BE 6" ABOVE FINISH PAVEMENT.

ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" BELOW TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.

ALL GRADES SHOWN ON H/C PARKING AREAS MUST BE MAINTAINED.
PARKING-1:50 (2%) SLOPE MAX. IN ALL DIRECTIONS
ACCESS ROUTE- 1:20 (5%) RUNNING SLOPE MAX.
1:50 (2%) CROSS SLOPE MAX.

THE CONTRACTOR SHALL INSTALL NECESSARY TRAFFIC CONTROL SAFETY BARRICADES, LIGHTING, AND OTHER REQUIRED CONTROL MEASURES TO SECURE THE WORK AREA FROM EXISTING TRAFFIC AND TO ASSURE PUBLIC SAFETY.

PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. SLIGHT FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. ALL CURB TERMINATIONS ARE TO BE TAPERED TO GRADE.

EROSION CONTROL MEASURES ARE TO BE INSTALLED BY THE CONTRACTOR DURING CONSTRUCTION TO PROTECT CATCH BASINS AND CURB INLETS FROM SILT, MUD, AND DEBRIS.

ACCORDING TO F.E.M.A. FLOOD INSURANCE RATE MAP, NO. 39049C0404K DATED JUNE 17, 2008, THIS PROPERTY IS IN ZONE "X" AND DETERMINED TO BE OUTSIDE THE 0.2% CHANCE ANNUAL FLOODPLAIN.

DEMOLITION NOTES

ALL CONTRACTORS SHALL VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AS THEY RELATE TO THE REQUIREMENTS OF DEMOLITION WORK AND NEW WORK SHOWN ON THESE DRAWINGS AND IN MCDONALDS SPECIFICATIONS.

CONTRACTORS SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND QUANTITIES OF EXISTING MATERIALS PRIOR TO PROCEEDING WITH WORK AND CONTACT MCDONALDS CONSTRUCTION REPRESENTATIVE IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

ALL EXISTING INFRASTRUCTURE WHICH IS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION AND NEW WORK.

CONTRACTOR SHALL REFER TO ALL DRAWINGS AND SPECIFICATIONS AND BECOME FAMILIAR WITH THE ENTIRE SCOPE OF WORK TO THE EXTENT THAT THEIR WORK AFFECTS OR IS AFFECTED BY OTHER CONTRACTORS WORK.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING THE UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT SHALL BE INCLUDED IN THE BID.

PRIOR TO PAVEMENT REMOVAL, THE CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT TO PROVIDE A SOUND AND CLEAN EDGE ON THE PAVEMENT THAT IS REMAINING.

PRIOR TO CONCRETE AND WALK REMOVAL, THE CONTRACTOR SHALL SAWCUT EXISTING CONCRETE AT THE NEAREST CONTROL JOINT TO PROVIDE A SOUND CLEAN EDGE.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE ON THE SITE AT ALL TIMES DURING DEMOLITION. MAINTENANCE OF DRAINAGE SHALL NOT BE MEASURED FOR PAYMENT BUT WILL BE INCIDENTAL TO OTHER ITEMS.

UNLESS OTHERWISE NOTED, ALL SALVAGEABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ALL WASTE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. NO DISPOSAL ON SITE SHALL BE PERMITTED.

ALL EROSION CONTROL TO BE INSTALLED PRIOR TO BEGINNING DEMOLITION WORK AND LEFT IN PLACE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL EROSION CONTROLS AND ALL EROSION CONTROL INSPECTIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ANY RIGHT-OF-WAY MARKERS. IN THE EVENT THAT A MARKER IS DESTROYED OR DISTURBED, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH LOCAL AGENCIES FOR THE REPAIR OR REPLACEMENT OF SAID MARKERS.

LEGEND

- EXISTING PAVEMENT/WALK TO BE REMOVED
- PROPOSED CONCRETE PAVEMENT/WALK , SEE DETAIL SHEET CV & SD-1 (REMOVE EXISTING PAVEMENT AS NEEDED)
- PROPOSED ASPHALT PAVEMENT, SEE DETAIL SHEET CV (REMOVE EXISTING PAVEMENT AS NEEDED)
- GRADE BREAK
- DB DANDY BAG, SEE DETAIL THIS SHEET
- 829 EXISTING CONTOUR
- 32.05 / 32.05 PROPOSED SPOT ELEVATION
- EXISTING STORM SEWER TO BE REMOVED

Ohio Utilities Protection Service
Call Before You Dig
1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY)

20' 10' 0' 20' 40'
SCALE: 1" = 20'-0"

REV	DATE	DESCRIPTION	BY
X	X		
		X	
	01AUG16	ISSUED FOR BIDS AND PERMITS	

STATE OF OHIO · RICKARD · SITE SOURCE E-47802 · REGISTERED · PROFESSIONAL ENGINEER

SiteSource Consultants, Inc.
4254 Tuller Road - Dublin, Ohio 43017
Phone: 614-718-9533 - Fax: 614-761-0717
Email: sitesource@ameritech.net
REGISTERED ENGINEER

47802 8/1/16
NO DATE

L/C # 34-1529

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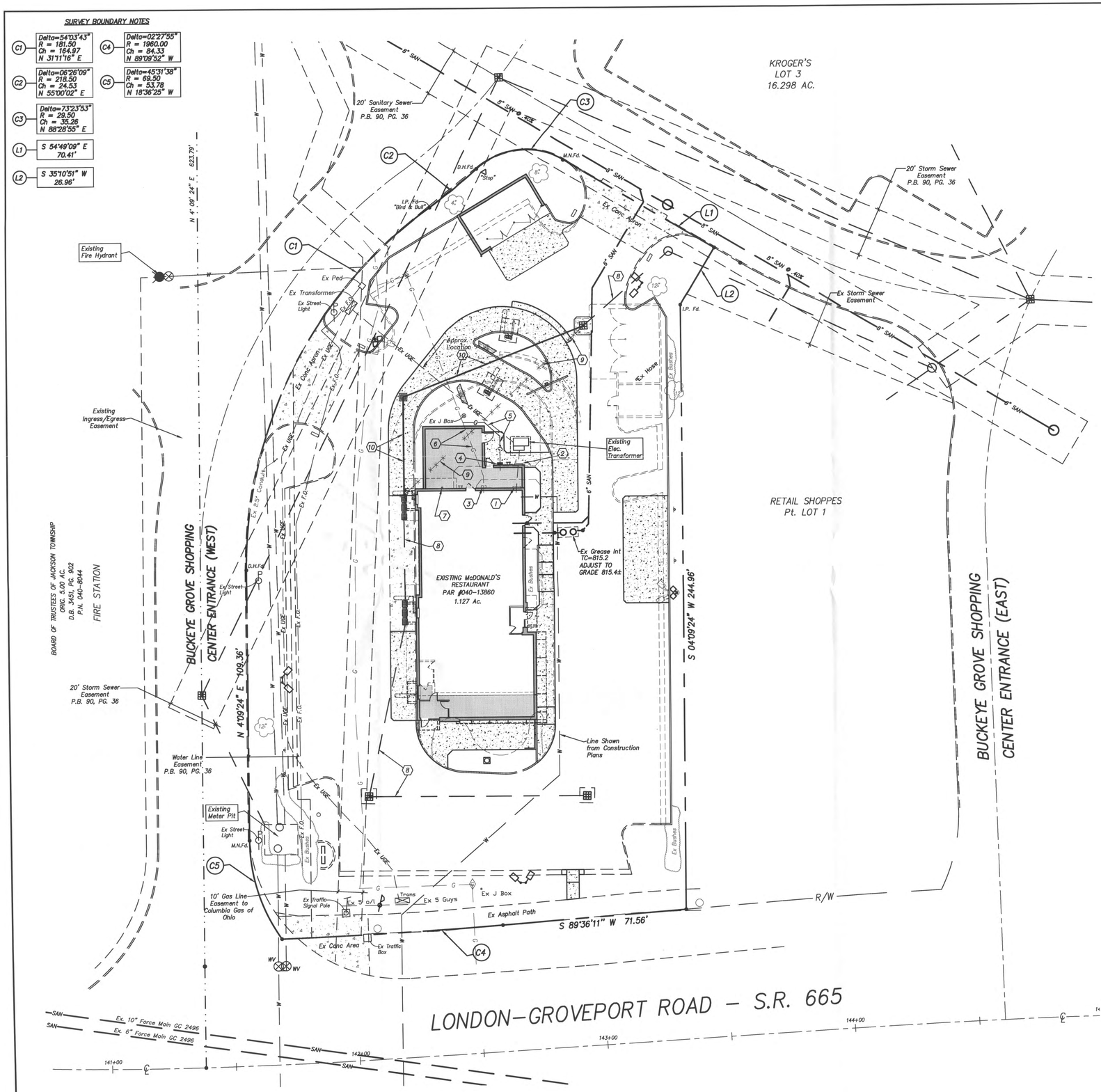
PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

JOB NO. SS016-518
DATE: AUGUST 2016
GRADING PLAN
SHEET: C2



GENERAL NOTES

THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED THROUGH INFORMATION PROVIDED BY THE VARIOUS UTILITY OWNERS AND BY FIELD SURVEY, BUT ARE NOT GUARANTEED TO BE ACCURATE OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, PRIOR TO CONSTRUCTION, TO DETERMINE THE ACTUAL FIELD LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES IMPACTING HIS WORK. THE CONTRACTOR IS DIRECTED TO CONTACT THE OHIO UTILITIES PROTECTION SERVICE, O.U.P.S., AT 1 (800) 362-2764 AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

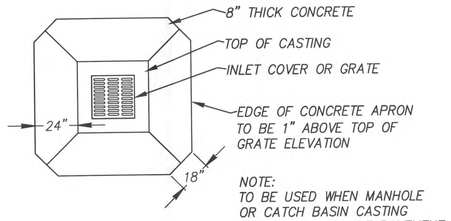
THE LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

THE CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS (i.e. INVERTS, UTILITY ROUTINGS, UTILITY CROSSINGS, AND DIMENSIONS) IN THE FIELD PRIOR TO COMMENCEMENT OF UTILITY WORK. REPORT ANY DISCREPANCIES TO THE OWNERS REPRESENTATIVE.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, AND SHALL TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTORS EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.

SITE KEYNOTES

1. EXISTING ELECTRIC METER LOCATION
2. PROPOSED ELECTRIC METER LOCATION
3. EXISTING GAS METER LOCATION
4. PROPOSED GAS METER LOCATION
5. PROPOSED GAS LINE
6. EXISTING GAS LINE TO BE REMOVED
7. EXISTING CONDUIT (RELOCATED IF REQUIRED)
8. EXISTING STORM SEWER
9. EXISTING STORM SEWER TO BE REMOVED
10. PROPOSED STORM SEWER



CONCRETE COLLAR SQUARE GRATE & FRAME

NO SCALE

Ohio Utilities Protection Service
Call Before You Dig
1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY)

20' 10' 0' 20' 40'
SCALE: 1" = 20'-0"

REV	DATE	DESCRIPTION	BY
X	X		
	X		X
		01AUG16 ISSUED FOR BIDS AND PERMITS	

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PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

JOB NO. SS016-518

DATE: AUGUST 2016

UTILITY PLAN

SHEET: C3

SIDE-BY-SIDE DRIVE THRU NOTES

CURBING

DRIVE–THRU LANES BOUND BY CURB ON BOTH SIDES ARE TO BE 12'–0". LANES BOUND BY CURB ON ONE SIDE AND PAINTED STRIPING ON THE OTHER SIDE ARE TO BE A MIN. OF 10'–0".

THE MIN. RADIUS FOR ALL INSIDE/DRIVER'S SIDE DRIVE–THRU CURBING IS 20'–0" TO INSIDE OF CURB.

PRIMARY LANE CURBING SHOULD BE AS STRAIGHT AS POSSIBLE. (LESS CURVING, THE BETTER).

THE OVERALL LENGTH OF THE CURBED ISLAND SHOULD BE 35'–45'. THE LENGTH OF THE ISLAND FROM THE COD ALLOWS FOR THREE CARS IN THE SECONDARY LANE, TWO IN THE PRIMARY LANE AND ONE AT THE COMMITMENT POINT.

THE ISLAND WIDTH SHOULD BE 13' AT THE WIDEST POINT (FACE OF CURB TO FACE OF CURB).

ENTRANCE LANE ENTERING THE SIDE BY SIDE DRIVE–THRU IS TO BE 14' MIN.

PAVEMENT MARKINGS

6" WIDE YELLOW PAINT STRIPE TO SPAN OUTER EDGE OF THE ENTIRE DRIVE–THRU LANE. LANE STARTS AT DRIVE–THRU ENTRANCE WHERE "McDONALD'S GATEWAY" IS LOCATED.

DOUBLE–HEADED ARROW PAVEMENT MARKING. STANDARD STRIPING MARKINGS ARE 7' SHAFT, 7' ARROW STEM AND 3' FOR THE ARROW HEAD. TIP OF ARROW HEAD TO BE LOCATED AT CENTER OF EACH LANE.

MERGE POINT IS LOCATED WHERE TWO VEHICLES LEAVING EACH COD SIMULTANEOUSLY WOULD MEET. THE MERGE POINT STRIPING IS TO BE LOCATED BY OFFSETTING THE INNER PRIMARY LANE BACK OF CURB 9.0' AND OFFSETTING THE OUTER LANE STRIPING 8.0'. AT THE INTERSECTION OF THESE OFFSETS, A 6" YELLOW STRIPE IS TO BE MARKED PERPENDICULAR TO THE OUTER LANE AS WELL AS THE INNER PRIMARY LANE.

EQUIPMENT POSITIONING FOR PRIMARY LANE

MIN. 60'(+5'; 60'–65') LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE COD FACE AND THE CENTER LINE OF THE OPEN CASH BOOTH WINDOW AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS MAY ONLY BE INCREASED IN 20' INCREMENTS (+/– 5' FOR 80', 100' & 120') TO A MAX. OF 120'. 100' IS OPTIMAL.

THE CENTER OF THE PRIMARY MENU BOARD FOUNDATION IS TO BE 10.0' FROM THE CENTER THE COD FOUNDATION.

THE PRIMARY MENU BOARD SHOULD BE AT AN ANGLE BETWEEN 40° AND 50° ANGLE FROM A CAR POSITIONED AT THE COD TO MAXIMIZE SECOND CAR VIEWING.

AUGER "McDONALD'S ORDER HERE CANOPY" COD/CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE–THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.

AUGER "McDONALD'S GATEWAY" FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

THE DISTANCE BETWEEN THE TIP OF THE CURBED ISLAND AND THE CENTER LINE OF THE PRIMARY COD MUST BE 15'–0". THIS MEASUREMENT IS TAKEN PARALLEL TO THE INSIDE CURB FACE OF THE PRIMARY LANE.

THE PRIMARY LANE DETECTOR LOOP SHOULD BE PERPENDICULAR TO THE CENTER OF THE PRIMARY COD.

EQUIPMENT POSITIONING FOR SECONDARY LANE

TO POSITION THE SECONDARY COD, DRAW AN ARC WITH A 14' RADIUS THAT IS CENTERED FROM THE MIDPOINT OF THE ISLAND TIP. THEN OFFSET THE FACE OF THE CURB BY 24" TO DETERMINE THE LOCATION OF CENTER OF FOUNDATION OF THE SECONDARY COD.

THE LOOP DETECTOR IS TO BE 2' FORWARD OF THE COD CENTER LINE WITH THE LOOP FACING FORWARD AND THE DETECTOR LOOP PERPENDICULAR TO THE SECONDARY COD WHEN POSSIBLE.

THE CENTER OF THE SECONDARY MENU BOARD FOUNDATION SHOULD BE LOCATED 22" FROM FACE OF CURB AND APPROXIMATELY 6'–0" FROM THE TIP OF THE CURBED ISLAND. THE END CAP OF THE SECONDARY MENU BOARD SHOULD NOT LOCATED OVER THE INNER FACE OF THE CURB. ANGLE SHOULD BE TO MAXIMIZE FIRST CAR VIEWING.

AUGER "McDONALD'S ORDER HERE CANOPY" COD/CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

THE SECONDARY MENU SHALL BE PARALLEL TO THE PRIMARY DRIVE THRU LANE. (OPO MENU BOARD SHOULD BE AT AN ANGLE NO GREATER THAN 30° TO MAXIMIZE SECOND CAR VIEWING.)

DETECTOR LOOP

DETECTOR LOOPS SHALL BE LOCATED AT THE CENTER OF THE OPENING WINDOW AT THE CASH AND PRESENT BOOTHS.

GENERAL NOTES

1. THE REGIONAL CONSTRUCTION MANAGER IS TO REVIEW AND APPROVE ALL DRIVE–THRU LAYOUTS. A DRIVE–THRU IS FINAL, AND CONSIDERED "RED", ONCE APPROVED. NO CHANGES ARE TO BE MADE AFTER THIS POINT.
2. DUE TO THE EXACT GEOMETRY REQUIRED FOR THE EFFICIENT OPERATION OF THIS DRIVE–THRU LAYOUT, IT IS RECOMMENDED THAT ALL DRIVE–THRU EQUIPMENT AND PAVEMENT IMPROVEMENTS TO BE FIELD LOCATED BY A LICENSED SURVEYOR.
3. THE PLACEMENT OF THE CODs AND ANY ADDITIONAL EQUIPMENT SHOULD BE SUCH THAT IT PREVENTS, OR MINIMIZES, BLOCKING THE CUSTOMER'S VIEW OF THE MENU BOARD WHILE ORDERING.
4. ALL DRIVE THRU EQUIPMENT SUPPLIED BY MCDONALDS APPROVED SUPPLIERS.
5. SEE ADDITIONAL SHEETS FOR FOUNDATION DETAILS.
6. ALL DIMENSIONS SHOWN ARE TO THE CENTER OF THE FOUNDATION.

KEY NOTES

(1) PROPOSED OPO MENU BOARD (PRIMARY)

(2) PROPOSED "ORDER HERE" CANOPY W/ INTEGRATED CUSTOMER ORDER DISPLAY & DETECTOR LOOP (PRIMARY)

(3) PROPOSED OPO MENU BOARD (SECONDARY)

(4) PROPOSED "ORDER HERE" CANOPY W/ INTEGRATED CUSTOMER ORDER DISPLAY & DETECTOR LOOP (SECONDARY)

(5) PROPOSED DOUBLE WELCOME POINT GATEWAY PYLON W/ "ANY LANE ANY TIME" FACE

(6) PROPOSED 6" YELLOW PAINTED LINE "MERGE POINT"

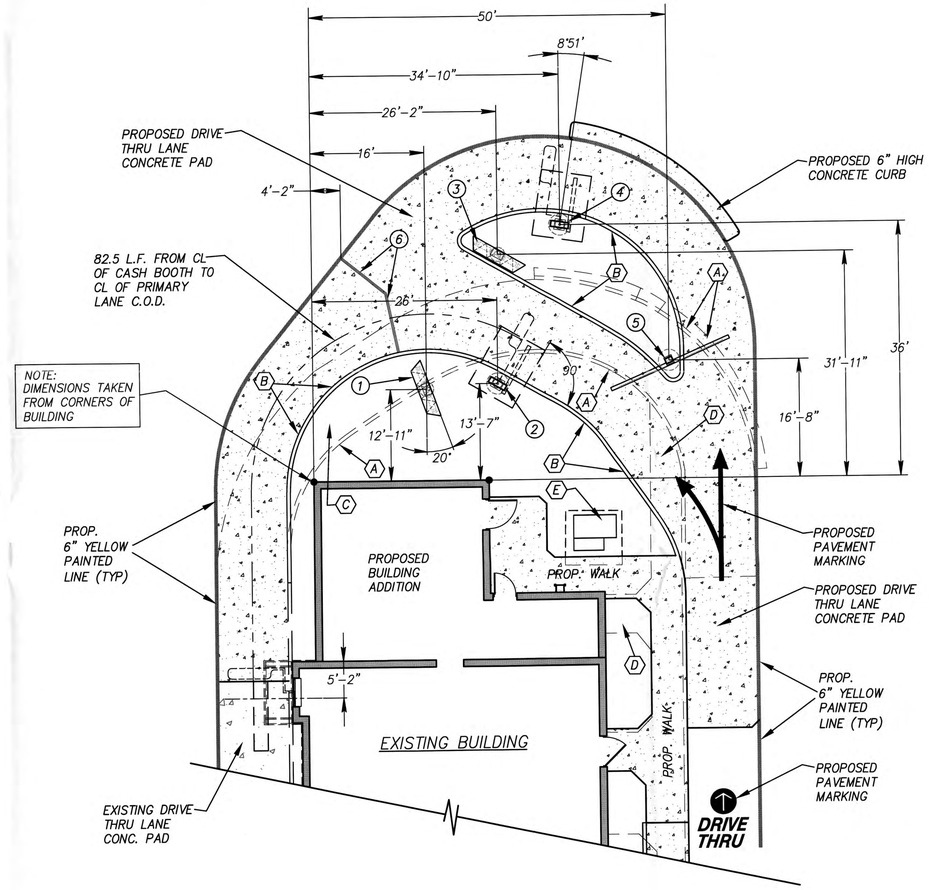
(A) EXISTING CONC. CURB TO BE REMOVED

(B) NEW 6" CONC. CURB

(C) EXISTING CONCRETE PAD TO BE REMOVED

(D) EXISTING CONCRETE WALK TO BE REMOVED

(E) EXISTING ELECTRIC TRANSFORMER



REAR DRIVE THRU AREA DETAIL

10' 5' 0' 10' 20'

SCALE: 1" = 10'–0"

REV	DATE	DESCRIPTION	BY
x	x	x	x
		01AUG16	ISSUED FOR BIDS AND PERMITS

STATE OF OHIO · RICKARD SUCKER E-47802 · REGISTERED PROFESSIONAL ENGINEER

SiteSource Consultants, Inc.
4254 Tuller Road • Dublin, Ohio 43017
Phone: 614-718-9633 • Fax: 614-761-0717
Email: sitesource@ameritech.net
REGISTERED ENGINEER

47802 8/1/16
NO. DATE

L/C # 34-1705

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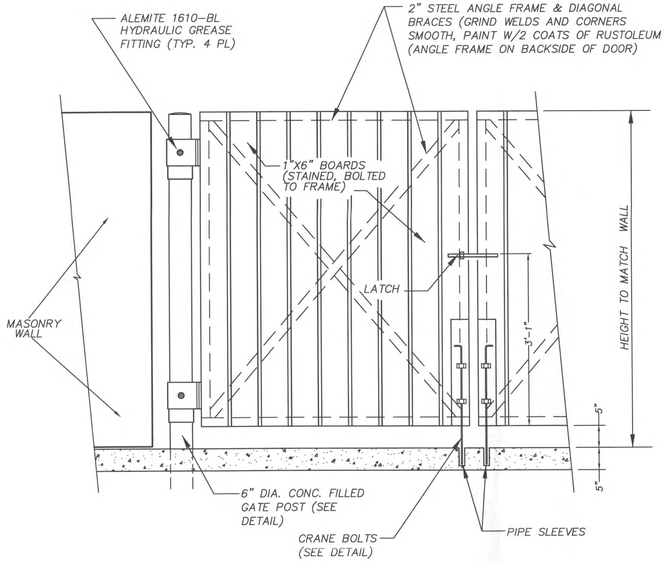
ADDRESS: 2596 LONDON GROVEPORT ROAD, GROVE CITY, OHIO

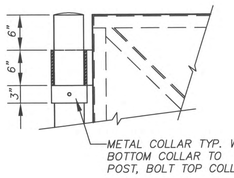
JOB NO. SS016-518

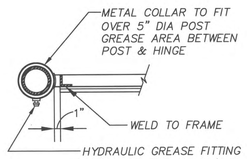
DATE: AUGUST 2016

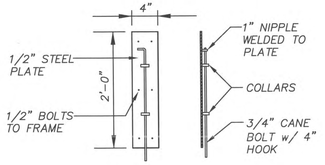
DRIVE THRU AREA DETAIL

SHEET: C4



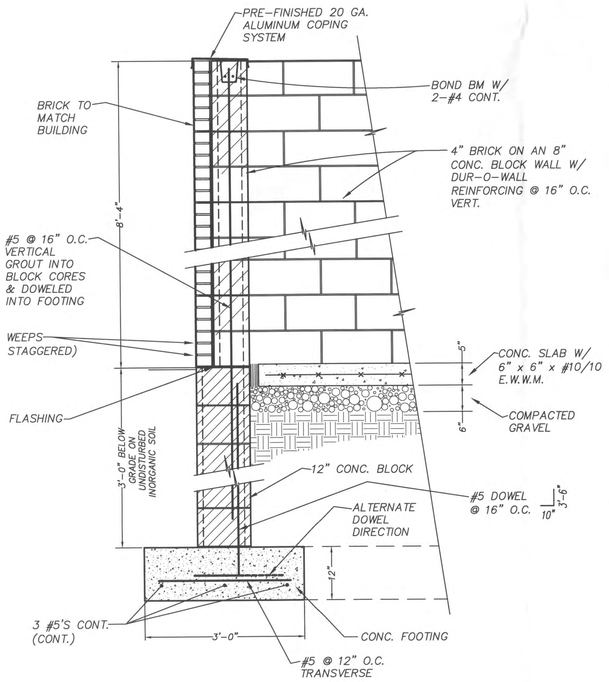






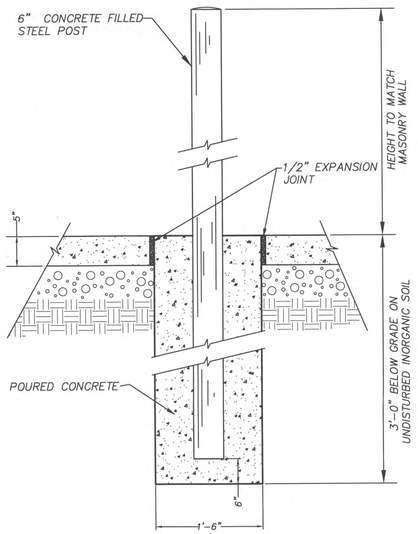
TRASH ENCLOSURE GATE & MOUNTING DETAILS

SCALE: NOT TO SCALE



TYPICAL MASONRY WALL SECTION

SCALE: 3/4" = 1'-0"

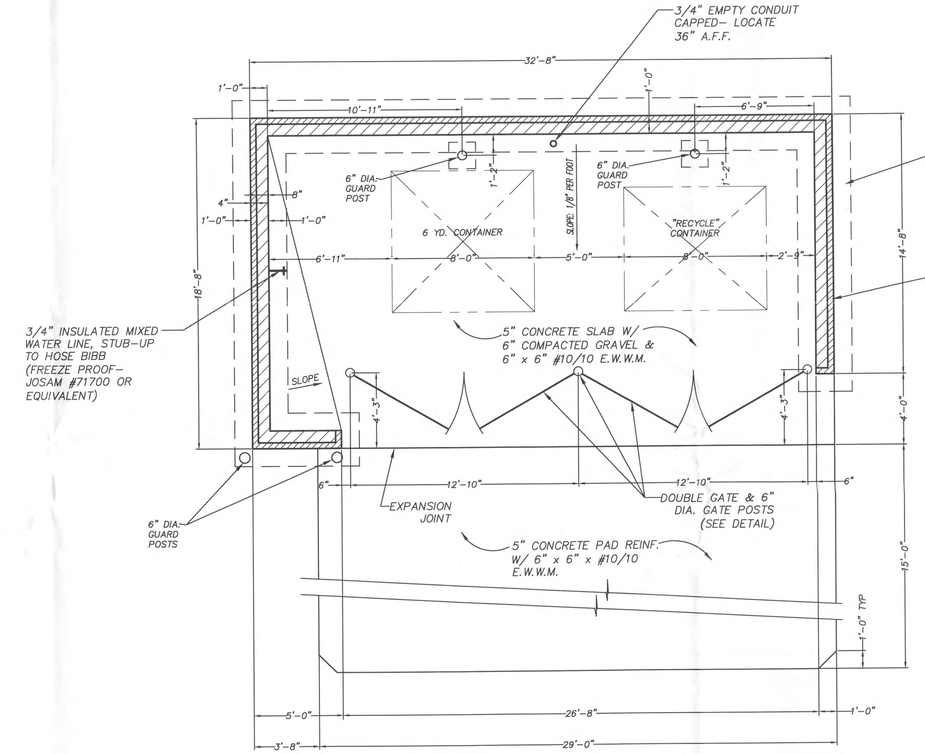


TRASH ENCLOSURE GATE POST

SCALE: 1" = 1'-0"

NOTES:

1. VERIFY EXACT POSITION AND ORIENTATION OF TRASH ENCLOSURE WITH SITE PLAN
2. VERIFY FINAL LOCATION AND FINISHES WITH McDONALD'S ACM PRIOR TO CONSTRUCTION START.
3. REVIEW SITE PLAN AND GRADING PLAN FOR FINAL FINISH FLOOR ELEVATION AND SLOPES PRIOR TO CONSTRUCTION START



G.C. NOTE: BRICK TO MATCH BUILDING

MASONRY TRASH ENCLOSURE PLAN

SCALE: 1/4" = 1'-0"

REV	DATE	DESCRIPTION	BY
X	X		
		X	X
		01AUG16	ISSUED FOR BIDS AND PERMITS

STATE OF OHIO RICKARD SICKER E-47802 REGISTERED PROFESSIONAL ENGINEER

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4254 Tuller Road · Dublin, Ohio 43017
Phone: 614-718-9633 · Fax: 614-761-0717
Email: sitesource@ameritech.net
REGISTERED ENGINEER

47802 8/1/16
NO. DATE

L/C # 34-1529

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ADDRESS: 2596 LONDON GROVEPORT ROAD, GROVE CITY, OHIO

JOB NO. SS016-518

DATE: AUGUST 2016

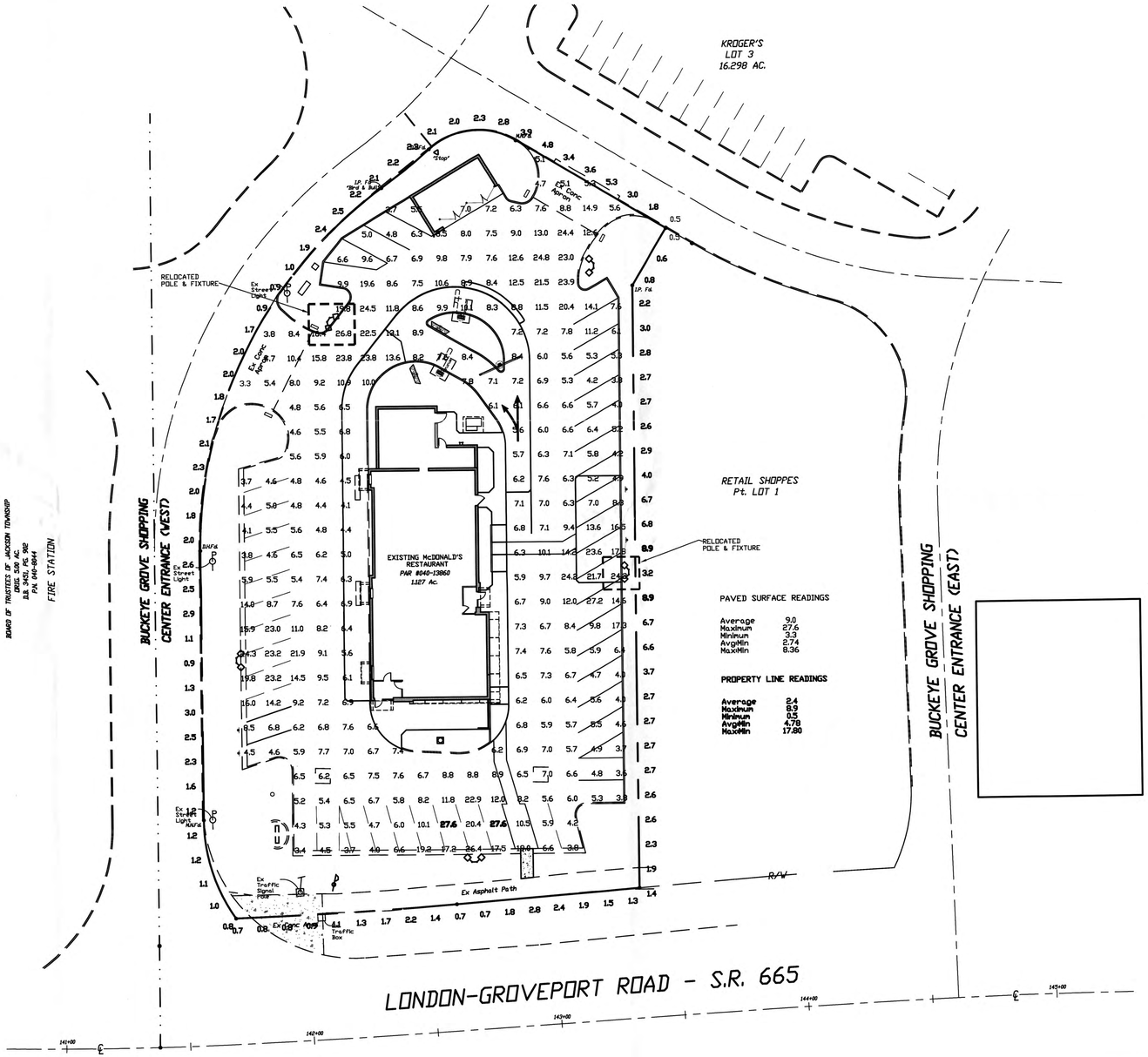
TRASH ENCLOSURE DETAIL

SHEET: C5

DRWG. NO. 1PCP33276

NOTES:

1. THE FOOTCANDLE LEVELS AS SHOWN ARE BASED ON THE FOLLOWING CRITERIA. ANY SUBSTITUTIONS IN SPECIFIED FIXTURES OR CHANGES TO LAYOUT WILL AFFECT LIGHTING LEVELS SHOWN AND WILL NOT BE THE RESPONSIBILITY OF SECURITY LIGHTING.
2. THE CONTRIBUTION OF THE SOFFIT / BUILDING LIGHTING IS NOT REFLECTED ON THE DRAWING UNLESS SOFFIT / BUILDING LIGHTING IS SPECIFIED IN THE FIXTURE SCHEDULE BELOW.
3. DISTANCE BETWEEN READINGS 10'
4. FINAL ADJUSTMENTS TO AIMING ANGLE/DIRECTION OF FIXTURES MAY BE REQUIRED TO ELIMINATE LIGHT TRESPASS OR GLARE ONTO ADJOINING PROPERTIES OR ROADWAYS.
5. FOOTCANDLE LEVELS SHOWN ARE MAINTAINED. MAINTENANCE FACTOR USED ON THIS DRAWING IS 0.75



PAVED SURFACE READINGS

Average	9.0
Maximum	27.6
Minimum	3.3
Avg/Min	2.74
Max/Min	8.36

PROPERTY LINE READINGS

Average	2.4
Maximum	8.9
Minimum	0.5
Avg/Min	4.78
Max/Min	17.80

MM - SPECIFY COLOR

FIXTURE TYPE:	SYMBOL	FIXTURE QUANTITY	CONFIG	QUANTITY	TENON TOP BRACKETS	QUANTITY	EPA	MOUNTING HEIGHT	POLE TYPE:	QUANTITY	WIND LOADM	ALLOWED EPA
EXISTING ASB-C-1000MH-MM-MT	⊢□	10	DBL	5	TT-2A	5	7.96	24'	EXISTING	5		

NOTE: ALL ASB FIXTURES TO BE INSTALLED TILTED AT A 30 DEGREE ANGLE UNLESS OTHERWISE SPECIFIED.

THIS LAYOUT MAY NOT MEET TITLE 24 OR LOCAL ENERGY REQUIREMENTS. IF THIS LAYOUT NEEDS TO BE TITLE 24 COMPLIANT OR MEET OTHER ENERGY REQUIREMENTS, PLEASE CONSULT FACTORY WITH SPECIFIC DETAILS REGARDING PROJECT REQUIREMENTS SO THAT REVISIONS MAY BE MADE TO THE DRAWING.

THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRES MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

NOTES:

SCALE 1" = 20' 0"	DATE	NEXT ASSEMBLY	REF. DRWGS.
DRAWN BY MW	7/29/16		
CHECKED BY			
APPROVED BY			
APPROVED BY		FINISH	
APPROVED BY			
SHOP ORDER		MATERIAL	
PROJECT NO.			

SECURITY LIGHTING™
8100 Golf Road, Suite 460, Rolling Meadows, IL 60008
1-800-544-4848

POINT-BY-POINT FOOTCANDLE PLOT FOR
- McDONALD'S -
2596 LONDON GROVEPORT RD
GROVE CITY, OH

DRAWING NUMBER 1PCP33276

REV	DATE	DESCRIPTION	BY
X	X	ISSUED FOR BIDS AND PERMITS	X

SECURITY LIGHTING™
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L/C # 34-1529

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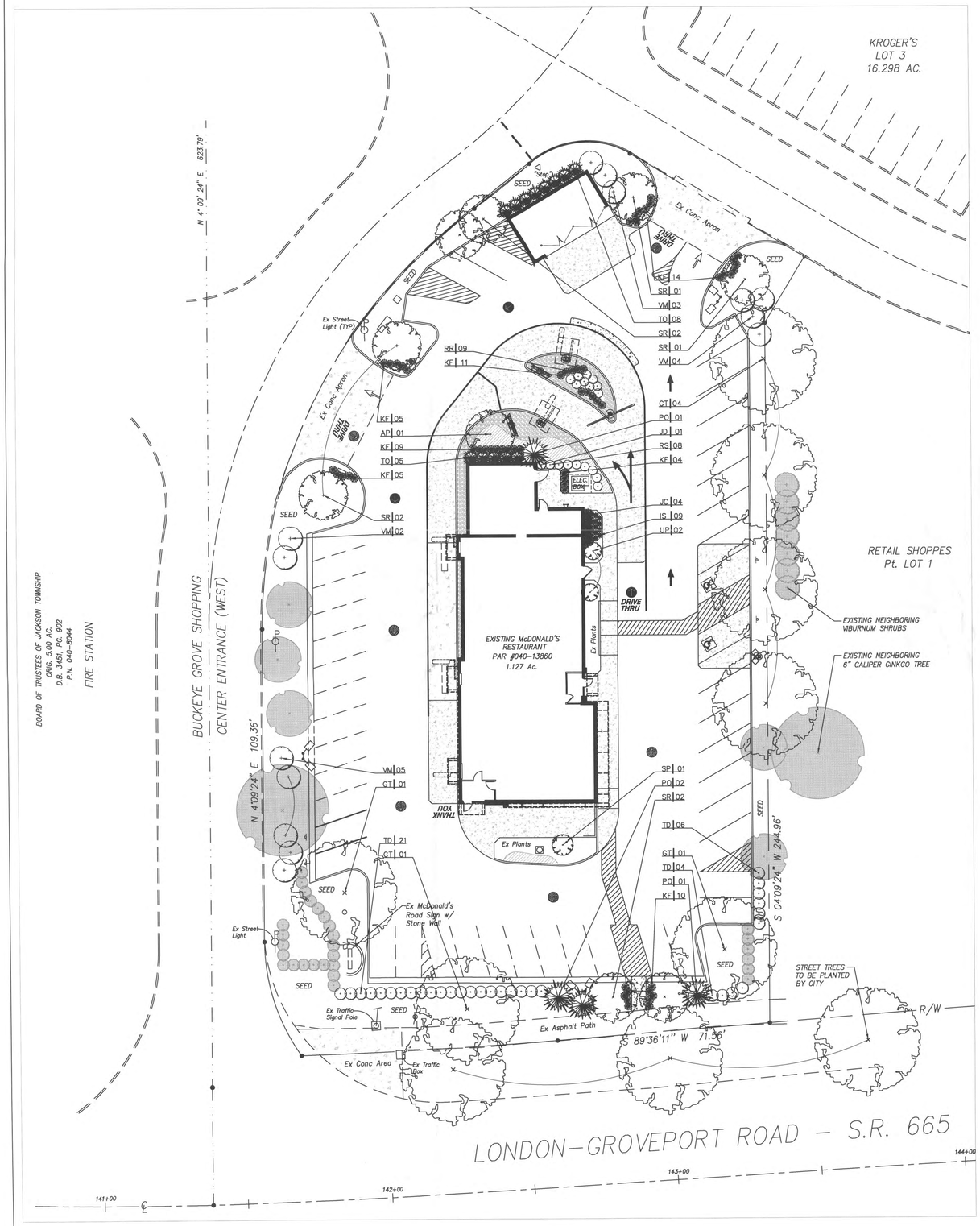
PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

JOB NO. SS016-518

DATE: AUGUST 2016

LOT LIGHTING PLAN

SHEET: C6



LANDSCAPE CALCULATIONS:

GROVE CITY ZONING REQUIREMENTS
SECTION 1136.06 - STANDARDS FOR OFF STREET PARKING FACILITIES
a.(2) - REQUIRES A CONTINUOUS 3'-0" EVERGREEN HEDGE AS WELL AS (1) TREE PLANTED FOR EVERY 35' OF FRONTAGE

CALCULATIONS:
TOTAL FRONTAGE = 160 FT.
160/35 = 4.57 ---> 5 TREES REQUIRED
6 TREES PROVIDED

b. - REQUIRES (1) 2" CALIPER MEDIUM OR LARGE TREE (OR (2) EVERGREEN TREES OF MIN. 6' HEIGHT) AND (2) SHRUBS WITH MIN. 18" HEIGHT FOR EVERY 40 LINEAL FEET OF PROPERTY LINE

CALCULATIONS:
TOTAL LINEAL FEET OF PROPERTY LINE = 700
700/40 = 17.5 ---> 18 TREES REQUIRED
6 TREES EXISTING + 12 TREES PROPOSED = 18 TREES PROVIDED

d. - REQUIRES (1) 2" CALIPER MEDIUM OR LARGE TREE FOR EVERY PENINSULA, ISLAND, AISLE END ISLAND, OR PLANTING AREA

CODE REQUIREMENT MET

SECTION 1136.08 - SCREENING OF SERVICE STRUCTURES
REQUIRES LANDSCAPING WITH MINIMUM HEIGHT OF 36" WITH A MAXIMUM SPACING OF 5'-0" TO BE PLANTED AROUND SERVICE STRUCTURES

CODE REQUIREMENT MET

SECTION 1136.09 - OTHER PLANTING REQUIREMENTS
a.(2) - REQUIRES (1) TREE FOR EVERY 50 LINEAL FEET OF BUILDING PERIMETER OR FRACTION THEREOF. SHRUBS MAY BE SUBSTITUTED FOR UP TO 30% OF DECIDUOUS TREE REQUIREMENT.

CALCULATIONS:
TOTAL LINEAL FEET OF BUILDING PERIMETER = 330
330/50 = 6.6 ---> 7 TREES REQUIRED
5 TREES PROVIDED SUPPLEMENTED BY SHRUB PLANTINGS

SECTION 1136.10 - PRESERVATION OF TREES AND WOODED AREAS
a. - IT IS ENCOURAGED THAT TREES SUBJECT TO DESTRUCTION BE REPLACED WITH NEW TREES

CALCULATIONS:
TOTAL TREES REMOVED = 9 TREES
TOTAL PROPOSED TREES = 23 TREES

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

LEGEND

- EXISTING DECIDUOUS TREES - TO REMAIN
- EXISTING EVERGREEN SHRUBS - TO REMAIN
- EXISTING DECIDUOUS SHRUBS - TO REMAIN
- RIVERWASH AND BOULDERS - SEE DETAIL L2-05
- FLAG POLE LOCATION

NOTES:

ALL PLANT MATERIALS TO COMPLY WITH THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK BY AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AND BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM INSTALLATION DATE.

LANDSCAPE CONTRACTOR IS TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES AND RECEIVE APPROVAL FROM GC OR SITE SUPERVISOR, IF NECESSARY, TO MAKE CHANGES IN PLANT LOCATIONS.

MINOR ADJUSTMENTS TO THE PLANT LOCATIONS ARE TO BE MADE IN THE CASE OF ANY CONFLICTS WITH PROPOSED UTILITIES.

PLANT QUANTITIES HAVE BEEN PROVIDED FOR CONVENIENCE ONLY. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR HIS OWN 'TAKE OFFS'.

LANDSCAPE CONTRACTOR MUST COORDINATE WITH GENERAL CONTRACTOR AND OTHER SITE OPERATIONS.

PLANTING BEDS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE APPLIED AT PRODUCT SPECIFIED RATE UNLESS OTHERWISE NOTED.

BED EDGE SHALL BE SMOOTH, CONSISTENT 4-1/2" DEEP AND HAND CUT. EDGES TO BE LOCATED BETWEEN ALL BEDS (INCL. TREES) AND LAWN AREAS.

GENERAL CONTRACTOR IS RESPONSIBLE FOR FINISHED GRADES. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINE GRADING AND TO PROVIDE 4" OF AMENDED TOPSOIL FOR PLANTING BEDS.

BEDS ARE TO BE GRADED SMOOTH AND FREE OF SOIL CLODS AND STONES. ALL PLANTING BEDS AND FREE STANDING TREES TO BE MULCHED WITH 2" HARDWOOD MULCH AT TIME OF NEW PLANTING. MULCH IS NOT TO BE MOUNDED UP AROUND TRUNKS OF TREES. KEEP MULCH 2" AWAY FROM MAIN STEM OF PLANT OR TRUNK OF TREES. PLANTING BEDS TO BE MAINTAINED WITH NO MORE THAN A 2" MULCH DEPTH MAXIMUM.

ALL PLANTS ARE TO BE REMOVED FROM CONTAINERS, CAGES, AND NON-BIODEGRADABLE MATERIALS. ALL TREES TO BE STAKED AND WRAPPED WITH ASPHALTIC WRINKLE KRAFT TREE WRAP.

PLANTINGS SHALL BE FERTILIZED UPON INSTALLATION. RECOMMENDED FERTILIZER IS TO BE MIXED WITH BACKFILL AT PRODUCT SPECIFIED RATE.

SEED ALL AREAS INDICATED ON PLAN AND BEYOND PROPERTY LINES DISTURBED DURING CONSTRUCTION. SEED IS TO BE LOFT'S ATHLETIC FIELD TURF MIXTURE AT 6# PER 1000 SQ. FEET. APPLY STARTER FERTILIZER AAND STRAW TOP DRESSING.

ALL ORGANIC MATTER AND DEBRIS ARE TO BE REMOVED FROM THE SITE BY THE LANDSCAPE CONTRACTOR. LAWN AREAS AND BEDS SHOULD BE FREE OF STONES GREATER THAN 2".

THE LANDSCAPE CONTRACTOR IS TO COORDINATE WITH IRRIGATION CONTRACTOR, AND ALSO WITH SITE SUPERVISOR REGARDING IRRIGATION INSTALLATION.

TREE PROTECTION NOTE:
ANY TREE TO REMAIN WITHIN CONSTRUCTION LIMITS IS TO BE PROTECTED AT DRIP LINE. SEE TREE PROTECTION DETAIL.

SURVEY AND BASE INFORMATION, INCLUDING BUT NOT LIMITED TO LOCATION OF PROPERTY LINES, BUILDING, EXISTING VEGETATION OBTAINED FROM SITESOURCE CONSULTANTS, COLUMBUS, OH.

THE LANDSCAPE CONTRACTOR SHALL SUBMIT A ONE (1) YEAR MAINTENANCE CONTRACT FOR CONSIDERATION BY THE OWNER. CONTRACT SHALL BE SEPARATE FROM THE INSTALLATION CONTRACT.

LANDSCAPE CONTRACTOR IS TO NOTIFY MCDONALD'S REPRESENTATIVE AND LANDSCAPE ARCHITECT IN WRITING SHOULD ANY DISCREPANCIES EXIST IN THE PLAN, AND RECEIVE APPROVAL FROM EITHER PARTY TO MAKE CHANGES IN PLANT MATERIAL OR ITS LOCATION.

CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL AS REQUIRED TO INSURE HEALTHY, VIGOROUS GROWTH THROUGH A 90 DAY MAINTENANCE PERIOD. THIS WILL INCLUDE, BUT NOT BE LIMITED TO MOWING, WATERING, FERTILIZING, WEEDING AND MULCHING. ANY DISEASED MATERIALS SHALL BE REVIEWED AND REPLACED WITH SIMILAR TYPES, SPECIES, AND SIZES AS ORIGINALLY PLANTED WITHIN 3 MONTHS, WEATHER PERMITTING.

PLANT LIST:

KEY	BOTANICAL NAME	COMMON NAME	D/E	QTY	SIZE	REMARKS/COMMENTS
	TREES					
AP	ACER PALMATUM 'BLOOD GOOD'	BLOOD GOOD JAPANESE MAPLE	D	1	2"	B+B
SP	ACER PALMATUM DISSECTUM 'VIRIDIS'	GREEN LACELEAF JAPANESE MAPLE	D	1	2"	B+B - SPREADING FORM
UP	ACER PALMATUM DISSECTUM 'VIRIDIS'	GREEN LACELEAF JAPANESE MAPLE	D	2	2"	B+B - UPRIGHT FORM
GT	GLEDITSIA TRIACANTHOS 'SUNBURST'	'SUNBURST' HONEYLOCUST	D	7	2"	B+B
PO	PICEA OMORIKA	SERBIAN SPRUCE	E	4	6'-7'	B+B
SR	SYRINGA RETICULATA 'IVORY SILK'	'IVORY SILK' JAPANESE TREE LILAC	D	8	3"	B+B, ALT: GOLDEN RAINTREE
	SHRUBS					
JD	ILEX VERTICILLATA 'JIM DANDY'	'RED SPRITE' WINTERBERRY	E	1	24"-36"	B+B OR CONTAINER
RS	ILEX VERTICILLATA 'RED SPRITE'	'RED SPRITE' WINTERBERRY	E	8	24"-36"	B+B OR CONTAINER
JC	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	E	4	24"-36"	B+B OR CONTAINER - TO MATCH EXISTING
RR	ROSA 'RADRAZZ'	'RADRAZZ' KNOCKOUT ROSE	D	9	24"-36"	B+B OR CONTAINER - TO MATCH EXISTING
TD	TAXUS DENSIFORMIS	DENSE YEW	D	31	24"-36"	B+B OR CONTAINER - TO MATCH EXISTING
TO	THUJA OCCIDENTALIS 'TECHNY'	'TECHNY' ARBORVITAE	E	13	6'	B+B
VM	VIBURNUM 'MOHAWK'	'MOHAWK' VIBURNUM	D	14	24"-36"	B+B OR CONTAINER
	PERENNIALS/GROUND COVER					
	NEPETA FAASSENII 'WALKERS LOW'	'WALKERS LOW' CATMINT		33	1 GAL.	CONTAINER
IS	IRIS SIBERICA 'CAESARS BROTHER'	'CAESARS BROTHER' SIBERIAN IRIS		9	1 GAL.	CONTAINER
KF	CALAMAGROSTIS A. 'KARL FOERSTER'	'KARL FOERSTER' FEATHER REED GRASS		58	1 GAL.	CONTAINER

20' 10' 0' 20' 40'
SCALE: 1" = 20'-0"

REV	DATE	DESCRIPTION	BY
	7/26/16	LANDSCAPE PLAN	
1	7/29/16	ADDED SEED NOTATION	

SiteSource Consultants, Inc.
4254 Tuller Road • Dublin, Ohio 43017
Phone: 614-718-9833 • Fax: 614-761-0717
Email: sitesource@ameritech.net

MARK A. SCHIEBER ASSOCIATES, LLC
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2807 BEECHMONT DRIVE
BEXLEY, OHIO 43209
(614) 754-8752

L/C # 34-1529

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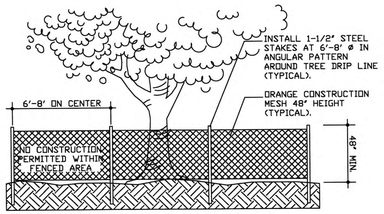
PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

JOB NO. SS016-518

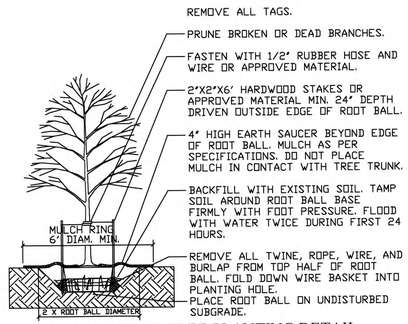
DATE: 7/29/16

LANDSCAPE PLAN

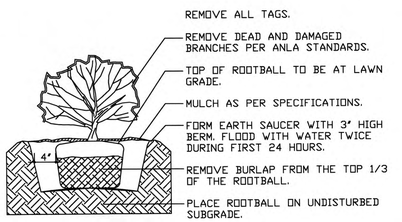
SHEET: L1



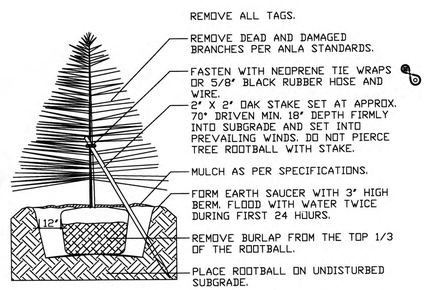
L2-01 TREE PROTECTION DETAIL
SCALE: NOT TO SCALE



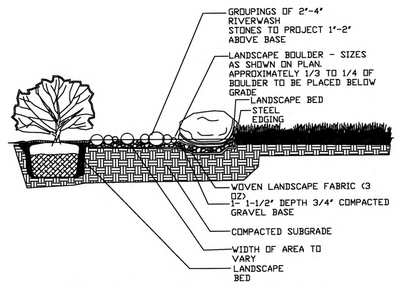
L2-02 DECIDUOUS TREE PLANTING DETAIL
SCALE: NOT TO SCALE



L2-03 SHURB PLANTING DETAIL
SCALE: NOT TO SCALE



L2-04 CONIFEROUS TREE PLANTING DETAIL
SCALE: NOT TO SCALE



L2-05 BOULDER & RIVERWASH DETAIL
SCALE: 1/2" = 1'-0" GENERAL, TYPICAL

REV	DATE	DESCRIPTION	BY
	7/26/16	LANDSCAPE PLAN	
1	7/29/16	ADDED SEED NOTATION	

SiteSource Consultants, Inc.
4254 Tuller Road • Dublin, Ohio 43017
Phone: 614-718-9633 • Fax: 614-761-0717
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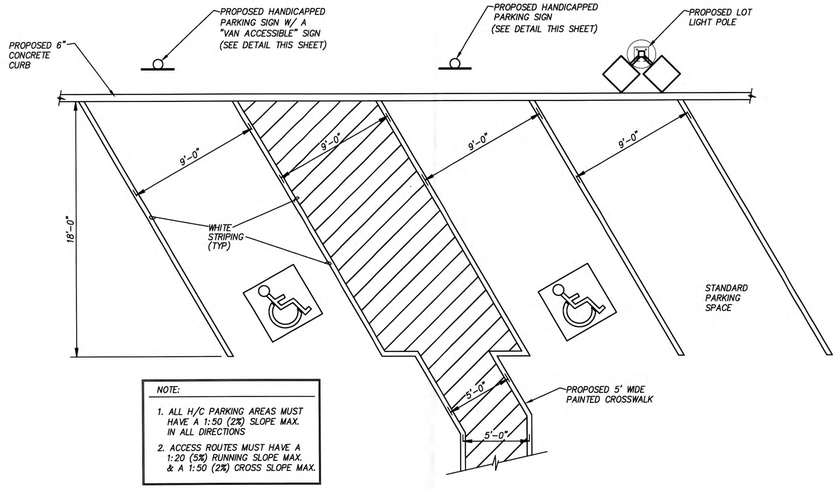
PROPOSED McDONALD'S RESTAURANT REMODEL AT:
2596 LONDON GROVEPORT ROAD
GROVE CITY, OHIO

JOB NO. SS016-518

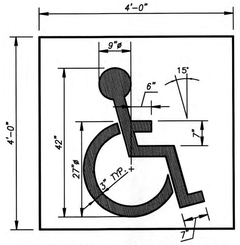
DATE: 7/29/16

LANDSCAPE DETAILS

SHEET: L2



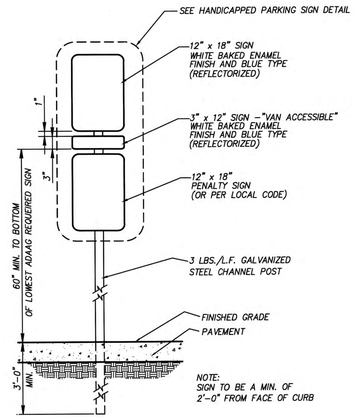
HANDICAPPED STALL MARKING
SCALE: NOT TO SCALE



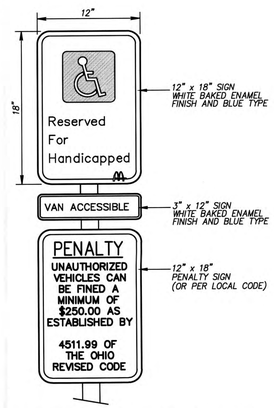
INTERNATIONAL SYMBOL OF ACCESSIBILITY PER ANSI A117.1-1986 REQUIREMENTS

NOTE:
1. USE PAINT WHICH CONTRASTS WITH BACKGROUND
2. THIS SIGN TO BE FURNISHED AND INSTALLED BY G.C.

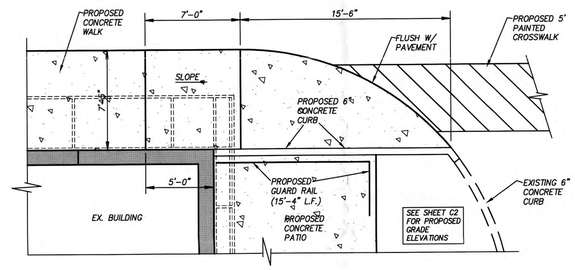
PAINTED HANDICAPPED PARKING SYMBOL
SCALE: NOT TO SCALE



HANDICAPPED PARKING SIGN
SCALE: NOT TO SCALE

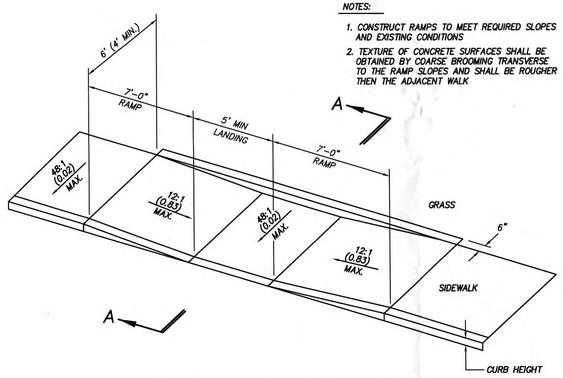


HANDICAPPED PARKING SIGN DETAIL
SCALE: NOT TO SCALE

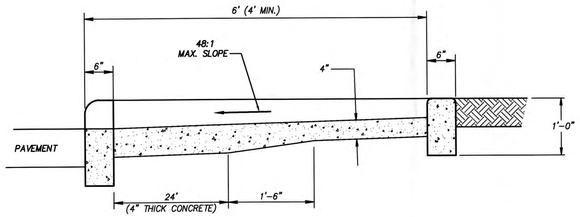


RAMP/SIDEWALK DETAIL-SOUTHEAST CORNER
SCALE: NOT TO SCALE

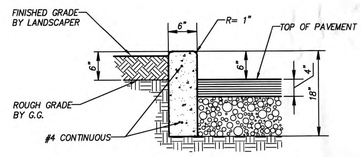
NOTES:
1. CONSTRUCT RAMPS TO MEET REQUIRED SLOPES AND EXISTING CONDITIONS
2. TEXTURE OF CONCRETE SURFACES SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES AND SHALL BE ROUGHER THEN THE ADJACENT WALK



PARALLEL CURB RAMP DETAIL (DOUBLE)
SCALE: 1/4" = 1'-0"

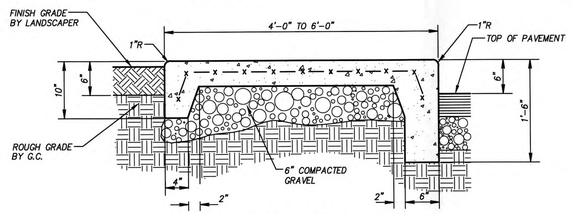


SECTION "A" - "A"
SCALE: 1" = 1'-0"

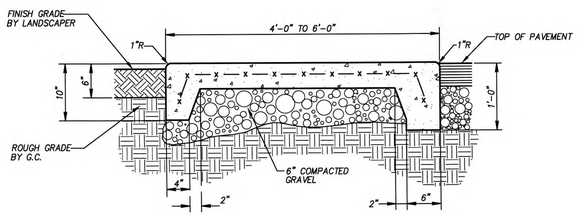


.028 C.Y. CONC. PER L.F. + REINF.
NOTE: PROVIDE EXPANSION JOINTS @ 20'-0" O.C. (MAX)

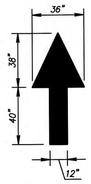
6" X 18" CONCRETE CURB
SCALE: NOT TO SCALE



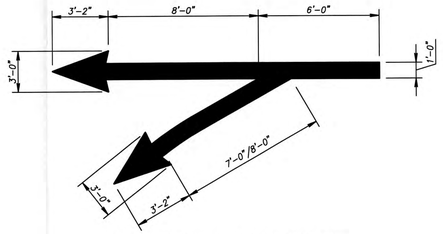
4' TO 6' SIDEWALK
SCALE: NOT TO SCALE



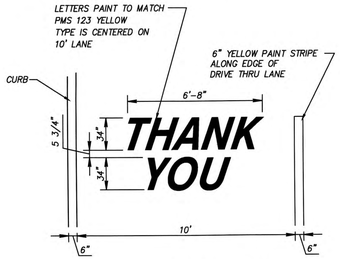
4' TO 6' FLUSH SIDEWALK
SCALE: NOT TO SCALE



DIRECTIONAL ARROW
SCALE: NOT TO SCALE

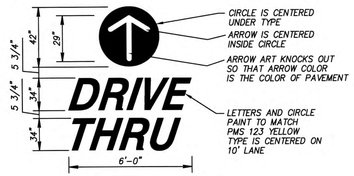


DOUBLE HEADED DRIVE THRU ARROW
SCALE: NOT TO SCALE



END OF PATH THANK YOU
SCALE: NOT TO SCALE

PAVEMENT MARKING STENCIL KIT FROM:
PAVEMENT STENCIL CO.
P.O. BOX 915755
LONGWOOD, FL 32791
800-250-5547
407-339-9342 (FAX)



DRIVE THRU WITH ARROW
SCALE: NOT TO SCALE

PAVEMENT MARKINGS
SCALE: NOT TO SCALE

REV	DATE	DESCRIPTION	BY
X	X		
	X		
		ISSUED FOR BIDS AND PERMITS	
	01AUG16		

STATE OF OHIO · RICKARD SIGNER · 47802 · REGISTERED PROFESSIONAL ENGINEER

SiteSource Consultants, Inc.
4254 Tuller Road - Dublin, Ohio 43017
Phone: 614-718-9633 - Fax: 614-761-0717
Email: sitesource@ameritech.net
REGISTERED ENGINEER

NO. 47802 DATE 8/1/16

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OAK BROOK, ILLINOIS 60521
KROC DRIVE

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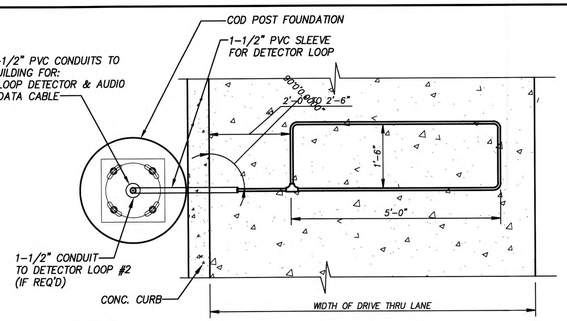
OHIO REGION 2 EASTN OVAL, SUITE 200, COLUMBUS, OH 43219 (614)418-3300

JOB NO. SS016-518

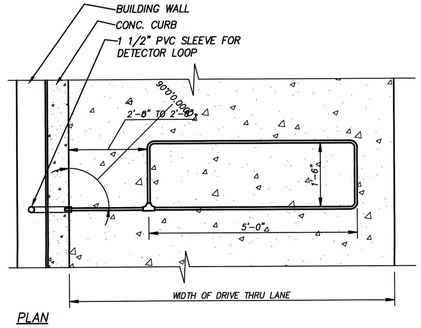
DATE: AUGUST 2016

SITE DETAILS

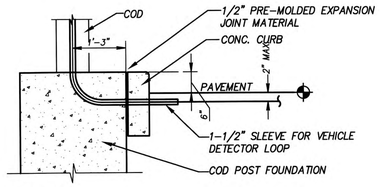
SD-1



PLAN

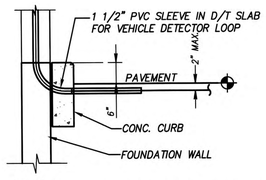


PLAN



SECTION

C.O.D. DETECTOR LOOP



SECTION

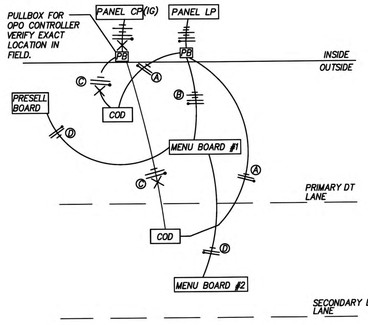
D.T. WINDOW DETECTOR LOOP

NOTES

1. VERIFRY CONDUIT SIZES AND LAYOUT WITH DETECTOR LOOP MANUFACTURER.
2. CENTER VEHICLE DETECTOR LOOP IN DRIVE THRU LANE & INSTALL PER MANUFACTURER RECOMMENDATIONS.
3. SEE CIVIL DRAWINGS FOR DIMENSIONS OF DRIVE THRU LANE CONCRETE PAD FOR DETECTOR LOOP
4. NO STEEL (REBAR OR ELECTRICAL WIRE) SHALL BE USED WITHIN 2' OF LOOP.
5. DETECTOOR LOOP MANUFACTURERS: DETECTOR LOOPS MAY BE BY ONE OF THE FOLLOWING COMPANIES OR EQUAL
   3M: 1-800-328-0033
   HME: 1-800-848-4468
6. DETECTOR LOOP MATERIAL: PVC TUBING 1/2" I.D. 100 PSI LOOP MADE FROM ONE LENGTH OF THIN FOURTEEN GAUGE STRANDED WIRE. LEAD-IN IS PRE-TWISTED AT FACTORY.
7. DETECTOR LOOP CONSTRUCTION: FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS DETAILED. WIRE LOOPED, FORMED, & PIGTAILED AS DETAIL.

DETECTOR LOOPS DETAILS

SCALE: NOT TO SCALE



(A) 2#12 & 1#12 GND., TO LP-1 FOR COD CANOPY LIGHTING.

(B) 4#12 & 1#12 GND.,3/4"C TO LP-1 FOR OPO MENU BOARD #1 LIGHTING AND PLC.

(C) 2#12 & 1#12 GND & 1#12 ISOLATED GND., TO OP FOR ISOLATED GROUND POWER TO COD'S. EACH COD SHALL BE ON ITS OWN SEPARATE CIRCUIT.

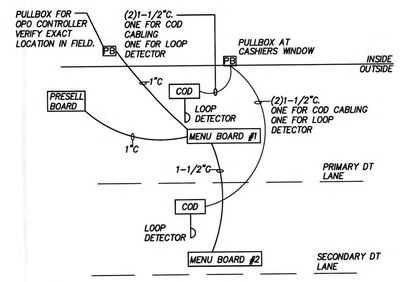
(D) 2#12 & 1#12 GND., TO LP-1 FOR OPO MENU BOARD #2 AND PRESELL BOARD LIGHTING.

* NOTE-VERIFY EXACT CIRCUITS & QUANTITIES OF CIRCUITS WITH PANEL SCHEDULES ON ELEC. DRAWINGS AND MANUFACTURERS INSTALLATION INSTRUCTIONS.

* NOTE-PER MANUFACTURER'S INSTALLATION INSTRUCTIONS SEPARATE DEDICATED NEUTRALS ARE REQUIRED TO MENU BOARD AND PRESELL BOARD FOR EACH CIRCUIT (PLC AND LIGHTING)

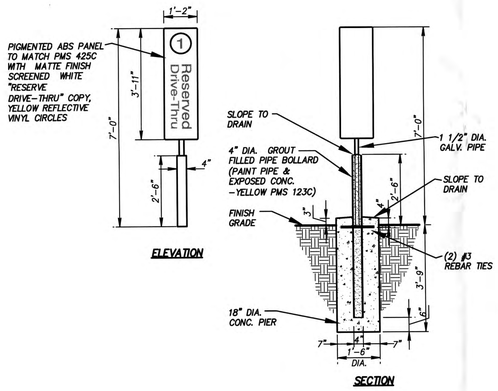
DRIVE THRU POWER DIAGRAM

SCALE: NOT TO SCALE



DRIVE THRU LOW VOLTAGE CONDUIT DIAGRAM

SCALE: NOT TO SCALE

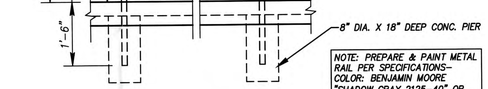


ELEVATION

SECTION

IN GROUND PULL FORWARD SIGN POST

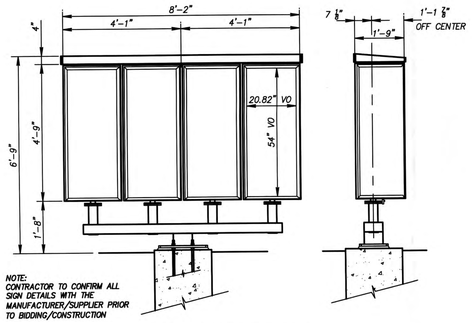
SCALE: NOT TO SCALE



NOTE: PREPARE & PAINT METAL RAIL PER SPECIFICATIONS- COLOR: BENJAMIN MOORE "SHADOW GRAY 2125-40" OR EQUAL

GUARD RAIL DETAIL

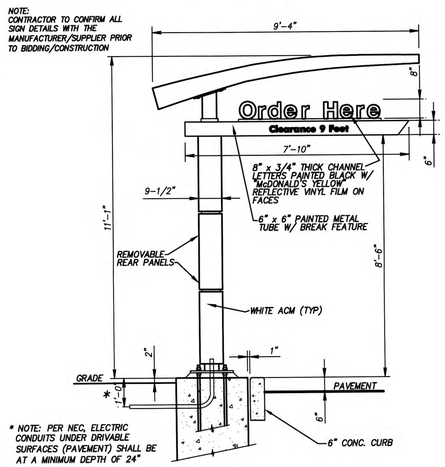
SCALE: NOT TO SCALE



NOTE: CONTRACTOR TO CONFIRM ALL SIGN DETAILS WITH THE MANUFACTURER/SUPPLIER PRIOR TO BIDDING/CONSTRUCTION

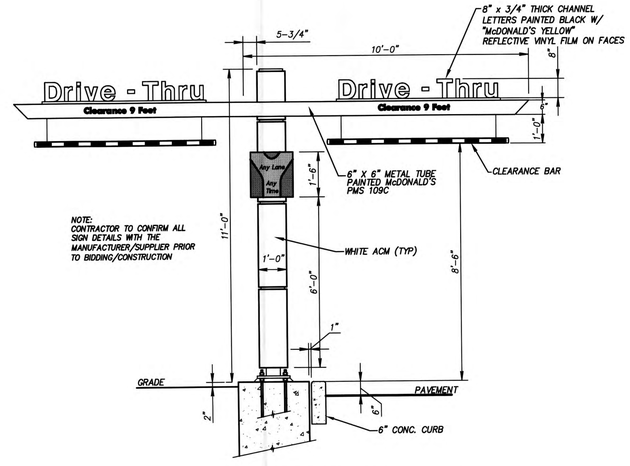
OPO MENU BOARD

SCALE: NOT TO SCALE



DRIVE THRU TWIN POLE CANOPY W/ BUILT-IN COD

SCALE: NOT TO SCALE



DOUBLE WELCOME POINT GATEWAY PYLON

SCALE: NOT TO SCALE

REV	DATE	DESCRIPTION	BY
X	X		
	X		
	X	ISSUED FOR BIDS AND PERMITS	
	01AUG16		

STATE OF OHIO · RICKARD SLOCUM SLATTERY · 47802 · REGISTERED PROFESSIONAL ENGINEER

Richard M. Slocum 8/1/16

REGISTERED ENGINEER — NO. 47802 — DATE 8/1/16

SiteSource Consultants, Inc.
4254 Tuller Road · Dublin, Ohio 43017
Phone: 614-718-9533 · Fax: 614-761-0717
Email: sitesource@amerritech.net

McDonald's®

KROC DRIVE
OAK BROOK, ILLINOIS 60521

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OHIO REGION 2 EASTIN OVAL, SUITE 200, COLUMBUS, OH 43219 (614)416-3300

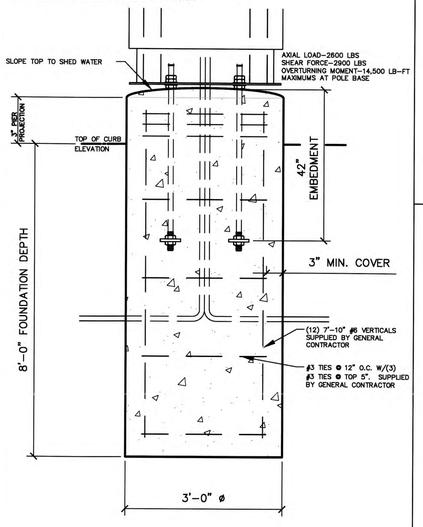
JOB NO. SS016-518

DATE: AUGUST 2016

SITE DETAILS

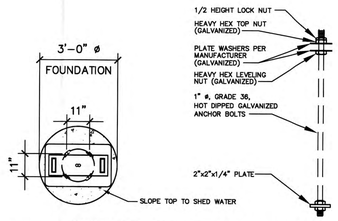
SD-2

NOTE:
-DESIGN CODES
IBC 2009
ASCE 7-05
ACI 318-08
AISC 13th EDITION
AWS D1.1
-WIND SPEED-100 MPH (MPH 3-SEC GUST)
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES (ϕ, ϑ)
-AXIAL- 2800 LBS
-SHEAR-2900 LBS
-OVERTURNING MOMENT-14,500 LB-FT
-USE CONCRETE WITH A 3000PSI MINIMUM COMPRESSIVE STRENGTH (f'c).
-PIER DEPTHS REQUIRED ARE MINIMUMS. ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE 200 PSF/FT OF DEPTH
-TOP 2'-6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS. (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE).
-PROVIDE A MINIMUM OF 3" CONCRETE COVER FOR ALL EMBEDDED STEEL.
-FOUNDATION IS DESIGNED FOR SINGLE OR DOUBLE POLE COLUMNS
-ALL REINFORCING STEEL BY GENERAL CONTRACTOR.



A ORDER HERE CANOPY 100 MPH NTS

NOTES:
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-USE F1554 GRADE 36 BOLTS MINIMUM
-USE HOT DIPPED GALVANIZED BOLTS
-ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
-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



B ANCHOR BOLT PATTERN NTS

NOTES:
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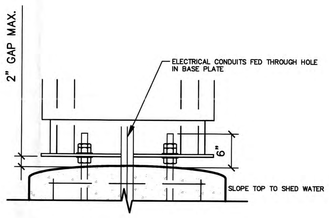

C CONNECTION DETAILS NTS

GENERAL NOTES

-THE FOLLOWING CODES WERE USED IN DESIGN:
-IBC 2009
-ASCE 7-05
-ACI 318-08
-AISC 13th EDITION
-AWS D1.1
-WIND SPEED 100 MPH, 3 SEC GUST
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-AXIAL - 2600 LBS
-SHEAR - 2900 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 200 PSF/FT

-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 2'-6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)

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CONCRETE:

-ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FILL COMPACTED TO 98% 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 MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
-USE OF ADMIXTURES SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 2.6
-AIR ENTRAINMENT SHALL CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTIONS 2.6-A & 2.13-A
-WATER CONTENT RATIO SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
-FOUNDATION CONCRETE TO BE TESTED PER MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 3.14
-PROVIDE A MINIMUM 3" OF CONCRETE COVER OVER ALL EMBEDDED STEEL.
-REINFORCEMENT PLACEMENT SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 3.2 & 3.5. 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 MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION, SECTION 3.11-E.

STEEL:

-STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (fy = 35ksi)
-HSS ROUND SECTION: ASTM A500 GRADE B (fy = 42ksi)
-HSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (fy = 46ksi)
-CONNECTION BOLTS A325
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: GRADE 60 - BY GENERAL CONTRACTOR
-NUTS: A563DH 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 D1.1.

-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

NOTE: PER NEC, ELECTRIC CONDUITS UNDER DRIVABLE SURFACES (PAVEMENT) SHALL BE AT A MINIMUM DEPTH OF 24"

NOTES:
-PIER DEPTHS REQUIRED ARE MINIMUMS. 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 200 PSF/FT OF DEPTH
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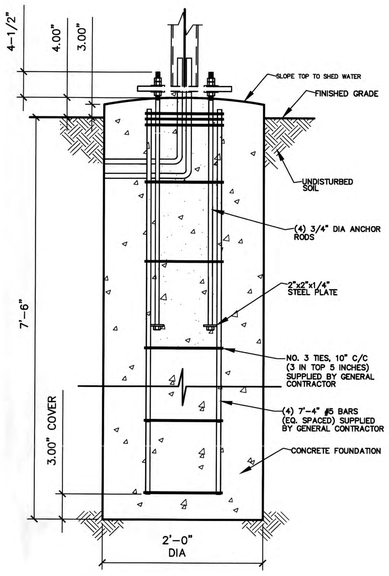

A OPO MENU BOARD FOUNDATION 90 MPH - 200 PSF/FL SOIL NTS

NOTES:
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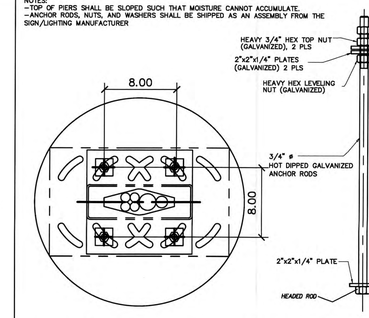

B ANCHOR BOLT PATTERN NTS

NOTES:
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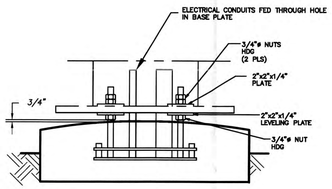

C CONNECTION DETAILS NTS

GENERAL NOTES

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-IBC 2009
-ASCE 7-05
-ACI 318-08
-AISC 13th EDITION
-AWS D1.1
-WIND SPEED 90 MPH (MPH 3-SEC GUST)
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-AXIAL - 850ϕ
-SHEAR - 1,310ϕ
-MOMENT - 7,294ϕ

-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE

-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 200 PSF/FT

-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 2'-6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)

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CONCRETE:

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-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=3,000 PSI) SHALL CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
-USE OF ADMIXTURES SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 2.6
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STEEL:

-STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (fy=35ksi)
-HSS ROUND SECTION: ASTM A500 GRADE B (fy=42ksi)
-HSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (fy=46ksi)
-HEADED ANCHOR RODS ASTM F1554 GR 55, AN ACCEPTABLE ALTERNATIVE IS ASTM F1554 GR 55, S1 WHEN THE EMBEDDED END OF THE ROD IS THREADED AND THE NUT TACK WELDED PRIOR TO GALVANIZATION.
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: ASTM A615, GRADE 60 - BY GENERAL CONTRACTOR
-NUTS: ASTM A563A, HEAVY HEX
-WASHERS: ASTM F436 TYPE 1
-USE ASTM A153 CLASS C 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 RODS 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 D1.1.

-REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
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-DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS
-ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER

THIS FOUNDATION TO BE USED ONLY WITH FLORIDA PLASTICS INTERNATIONAL INC. STANDARD OPO-4/ FP43 MENU BOARD WITH TOPPER

NOTE: PER NEC, ELECTRIC CONDUITS UNDER DRIVABLE SURFACES (PAVEMENT) SHALL BE AT A MINIMUM DEPTH OF 24"

REV	DATE	DESCRIPTION	BY
A	21AUG16	REVISED PER STRUCTURAL ENGINEER'S REVIEW	VML
	01AUG16	ISSUED FOR BIDS & PERMITS	

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ASCE 7-05
ACI 318-08
AISC 13TH EDITION
AWS D1.1
WIND SPEED -- 100 MPH, 3 SEC GUST
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
AXIAL LOAD -- 960 LBS
SHEAR FORCE -- 700 LBS
OVERTURNING MOMENT -- 5500 LB-FT
-USE 3000 PSI CONCRETE COMPRESSIVE STRENGTH (f'c)
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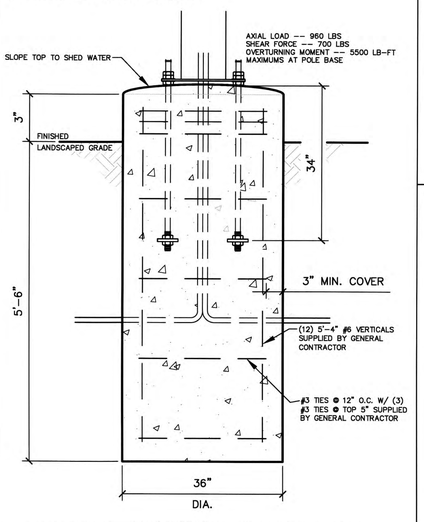
-3" MIN. CONCRETE COVER FOR REINFORCEMENT
-ALL REINFORCING STEEL BY GENERAL CONTRACTOR



A DBL GATEWAY 100 MPH NTS

NOTES:
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-HOT DIPPED GALVANIZED BOLTS
-F1554 GRADE 36 ANCHOR BOLTS
-ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
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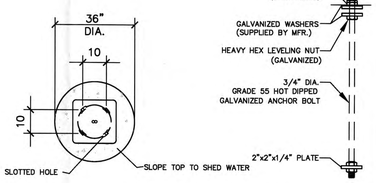

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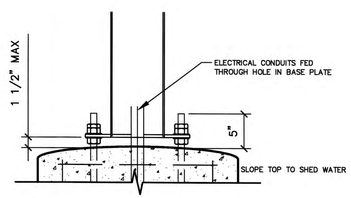

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STEEL:

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-HSS ROUND SECTION: ASTM A500 GRADE B (fy = 42ksi)
-HSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (fy = 46ksi)
-CONNECTION BOLTS A325
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: GRADE 60 - BY GENERAL CONTRACTOR
-NUTS: A563DH OR A194-2H
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-USE HOT DIPPED GALVANIZED BOLTS AND FASTENERS
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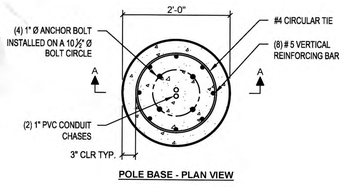
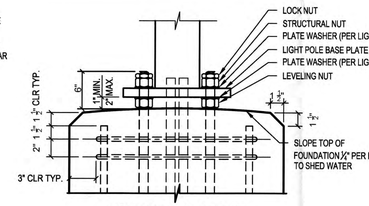
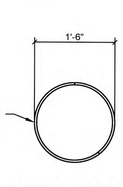


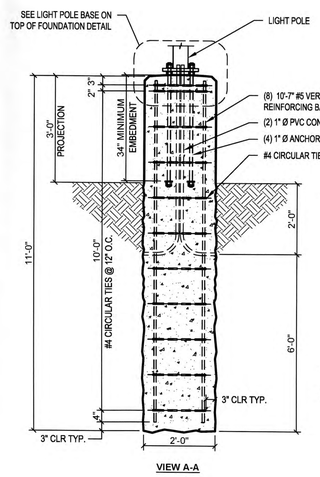
POLE BASE - PLAN VIEW



LIGHT POLE BASE ON TOP OF FOUNDATION



CIRCULAR TIE DETAIL



VIEW A-A

DESIGN CRITERIA:

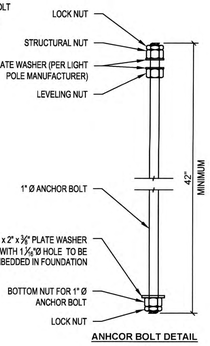
AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, FIFTH EDITION, 2009

FOUNDATION DESIGN PARAMETERS:

1. MAXIMUM LIGHT POLE BASE REACTIONS:
   - BASE MOMENT = 16,845 lbs-ft
   - BASE SHEAR = 978 lbs
2. MAXIMUM WIND SPEED (3 SECOND GUST) = 120MPH
3. MINIMUM REQUIRED SOIL PARAMETERS:
   - COHESIVE SOILS:
     - SHEAR STRENGTH = 750 lbs/ft²
     - 6" MINIMUM DEPTH OF DISTURBED SOIL OR TOP SOIL
   - COHESIONLESS SOILS:
     - ANGLE OF INTERNAL FRICTION = 27 DEGREES
     - WATER TABLE SHALL BE LOCATED BELOW THE BOTTOM OF THE FOUNDATION
     - 6" MINIMUM DEPTH OF DISTURBED SOIL OR TOP SOIL
4. THE SOILS REPORT SHALL BE REVIEWED BY THE ENGINEER OF RECORD TO CONFIRM THAT THE MINIMUM SOIL PARAMETERS ARE MET OR EXCEEDED BEFORE THIS DESIGN IS USED. IF THE MINIMUM SOIL PARAMETERS ARE NOT MET, THIS DESIGN SHALL NOT BE USED.
5. THE ENGINEER OF RECORD SHALL REVIEW THE MAXIMUM BASE REACTIONS AND DESIGN WIND SPEED FOR THE LIGHT POLE TO BE INSTALLED TO DETERMINE IF THE FOUNDATION'S MAXIMUM DESIGN LOADS HAVE NOT BEEN EXCEEDED. THIS FOUNDATION DESIGN SHALL NOT BE USED IF THE MAXIMUM DESIGN LOADS OR WIND SPEED HAVE BEEN EXCEEDED.
6. THIS FOUNDATION DESIGN SHALL NOT BE USED IN LOCATIONS WHICH ARE CLOSER THAN 8ft FROM A RETAINING WALL.
7. THIS FOUNDATION DESIGN SHALL NOT BE USED AT LOCATIONS WHERE THE GROUND SLOPE EXCEEDS 4 inches per foot.

GENERAL NOTES:

1. CONCRETE COMPRESSIVE STRENGTH (f'c) SHALL BE A MINIMUM OF 3000psi
2. ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 55, HOT DIP GALVANIZED PER ASTM F2329
3. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60
4. NUTS SHALL BE HEAVY HEX ASTM A563 GRADE DH, HOT DIP GALVANIZED PER ASTM A153
5. PLATE SHALL BE ASTM A572 GRADE 50, HOT DIP GALVANIZED PER ASTM A153
6. LOCK NUT SHALL BE HOT DIP GALVANIZED PER ASTM A153



ANHCOR BOLT DETAIL

LIGHT POLE BASE NTS

NOTE: PER NEC, ELECTRIC CONDUITS UNDER DRIVABLE SURFACES (PAVEMENT) SHALL BE AT A MINIMUM DEPTH OF 24"

McDonald's®
KROC DRIVE
OAK BROOK, ILLINOIS 60521

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OHIO REGION 2 EASTN. OVAL. SUITE 200, COLUMBUS, OH 43219 (614)418-3300

JOB NO. SS016-518

DATE: AUGUST 2016

SITE DETAILS

SD-3

OHIO UTILITIES PROTECTION SERVICE
CALL BEFORE YOU DIG
800-362-2764 OR 8-1-1
WWW.OUPS.ORG

0' 20' 40' 60' 80'
GRAPHIC SCALE

N

LEGEND

- San. — Sanitary Sewer
- St. — Storm Sewer
- W — Water Main
- G — Gas Line
- U/C — Underground Cables
- O/L — Overhead Lines
- Manhole
- Storm Inlet
- Fire Hydrant
- Utility Pole
- Guy Wire
- Fence
- Sign
- Valve Box
- Gas Line Marker
- Telephone Closure
- I.P.Fd. — Iron Pin Found
- M.N.Fd — Mag Nail Found
- D.H.Fd — Drill Hole Found

KROGER'S

LOT 3
16.298 AC.

RETAIL SHOPPES

BUCKEYE GROVE SHOPPING CENTER ENTRANCE (WEST)

BUCKEYE GROVE SHOPPING CENTER ENTRANCE (EAST)

FIRE STATION

EXISTING McDONALD'S RESTAURANT
F/F=816.15±
P&R #040-13860
1.127 Ac.

Pt. LOT 1

BOARD OF TRUSTEES OF JACKSON TOWNSHIP
ORIG. 5.00 AC.
D.B. 3451, PG. 902
P.N. 040-8044

20' Sanitary Sewer Easement
Delta=06°26'09"
R = 218.50
Ch = 24.53
N 55°00'02" E

Delta=54°03'43"
R = 181.50
Ch = 164.97
N 31°11'16" E

N 4° 09' 24" E 623.79'

Delta=73°23'53"
R = 29.50
Ch = 35.26
N 88°28'55" E

20' Storm Sewer Easement
P.B. 90, PG. 36

8" SAN @ -10%

8" SAN @ -54.40%

70.41'

8" SAN @ -40%

Ex 8"St

Ex 10" St

PROPOSED STORM SEWER EASEMENT

S35°10'51"W
26.96'

Ex 12"St

20' Sanitary Sewer Easement
P.B. 90, PG. 36

Ingress/Egress Easement

109.36' ±

20' Storm Sewer Easement
P.B. 90, PG. 36

10' Gas Line Easement to Columbia Gas of Ohio

N 4°09'24" E

12" Tree Water Line Easement P.B. 90, PG. 36

S 04°09'24" W 244.96'

S 89° 36' 11" W 71.56'

B.M.#1
Ex C.B.
TC=814.10
inv=810.15
No Orifice

B.M.#2
Ex C.B.
TC=814.24
w=811.48

B.M.#3
Ex C.B.
TC=814.33
n=811.29
e=811.34

Ex Asphalt Pavement

Ex Conc Patio

Ex Landscaping

Flag Pole

Ex Stamped Conc

Ex Conc Area

Ex Asphalt Path

Ex Conc Curb

Ex Grease Int
TC=815.2

Ex Drain
inv=810.44

Ex Drain
inv=810.80

Ex Storage

Ex Brick Trash Area

Ex Bushes

Ex Hose

Ex Conc Pad

Ex Landscaping

Ex J Box

Ex Basket

Ex Walk

Ex Conduit

Ex Asphalt Pavement

Ex Curb Cut

Ex Curb Inlet

Ex Traffic Signal Pole

Ex Meter Pit

Ex Guys

Curb is sinking

Shown from construction plans

Ex Conc Apron

Ex Raised Conc Island

Ex Concrete Pad

Ex 2.5" Conduit

Ex 4" St

Ex 8" St

Ex 6" St

Ex 2" Gas

Ex Gas Line

Ex Water Line

Ex Water Valve

Ex Water Meter

Ex Water Box

Ex Sign

Ex Post

Ex Curb Inlet

Ex Bollard

Ex Light Pole

Ex Utility Pole

Ex Guy Wire

Ex Fence

Ex Overhead Lines

Ex Underground Cables

Ex Telephone Closure

Ex Gas Line Marker

Ex Valve Box

Ex Sanitary Sewer

Ex Storm Sewer

Ex Water Main

Ex Gas Line

Ex Underground Cables

Ex Overhead Lines

Ex Manhole

Ex Storm Inlet

Ex Fire Hydrant

Ex Utility Pole

Ex Guy Wire

Ex Fence

Ex Sign

Ex Valve Box

Ex Gas Line Marker

Ex Telephone Closure

Ex Iron Pin Found

Ex Mag Nail Found

Ex Drill Hole Found

Ex Tree

Ex Bush

Ex Shrub

Ex Flag Pole

Ex Bench

Ex Trash Can

Ex Mail Box

Ex Light Pole

Ex Bollard

Ex Post

Ex Curb Inlet

Ex Water Box

Ex Water Valve

Ex Water Meter

Ex Sign

Ex Guy Wire

Ex Utility Pole

Ex Fence

Ex Overhead Lines

Ex Underground Cables

Ex Telephone Closure

Ex Gas Line Marker

Ex Valve Box

Ex Sanitary Sewer

Ex Storm Sewer

Ex Water Main

Ex Gas Line

Ex Underground Cables

Ex Overhead Lines

Ex Manhole

Ex Storm Inlet

Ex Fire Hydrant

Ex Utility Pole

Ex Guy Wire

Ex Fence

Ex Sign

Ex Valve Box

Ex Gas Line Marker

Ex Telephone Closure

Ex Iron Pin Found

Ex Mag Nail Found

Ex Drill Hole Found

LONDON-GROVEPORT ROAD - S.R. 665

Ex. 10" Force Main GC 2496

Ex. 6" Force Main GC 2496

NOTES

1. This drawing was prepared without the benefit of an abstract of a new title commitment. The boundary is shown from available records.

2. Utility locations on this survey are reported from field locations or information provided by utility representatives. This does not mean there could not be other utilities in the area.

3. Add 800 to all spot elevations shown.

4. According to F.E.M.A. Flood Insurance Rate Map, No. 39049C0404K dated June 17, 2008, this property is in Zone "X" and determined to be outside the 0.2% chance annual floofplain.

SITUATED IN THE STATE OF OHIO, COUNTY OF FRANKLIN, CITY OF GROVE CITY, IN V.M.S. NOS. 1434 AND 6115 AND BEING PART OF LOT 1 AS DESIGNATED AND DELINEATED ON THE RECORDED PLAT OF BUCKEYEGROVE SHOPPING CENTER PLAT OF RECORD IN P.B. 90, PG. 36 IN THE RECORDER'S OFFICE, FRANKLIN COUNTY, OHIO.

BENCH MARKS NAVD 88 DATUM

SOURCE BENCH MARK, Elevation obtained using Trimble RTK GPS equipment and Ohio Department of Transportation CORS/VRS Network, NAVD 1988.

BENCH MARK #1 ~Center, top of casting on storm catch basin in the northeast corner of McDonald's parking lot. ELEV=814.10

BENCH MARK #2 ~Center, top of casting on storm catch basin in the southeast corner of McDonald's parking lot. ELEV=814.24

BENCH MARK #3 ~Center, top of casting on storm catch basin in the southwest corner of McDonald's parking lot. ELEV=814.33

REV:	DATE:	DESCRIPTION:	BY:
1	7-15-16	STORM INVERTS	M.A.H

SITE ENGINEERING — Incorporated — Civil Engineers & Surveyors
7453 East Main Street
Reynoldsburg, OH 43068
Phone: (614) 759-9900
Fax: (614)759-9902
eMail: siteeng@ameritech.net

McDonald's
LONDON GROVEPORT ROAD (GROVE CITY), OHIO
LC/: 034-1529

PARTIAL TOPOGRAPHIC MAP

DATE:	JUNE 2016
SCALE:	1"=20'
DRAWN BY:	S.E.I.
CHECKED BY:	M.A.H.
JOB NO.:	2743PH3
SHEET:	1 / 1

NOTE: RELOCATE GAS AND ELECTRIC METER

NEW BULK OIL LOCATION

EXIST. WATER SERVICE

INFILL OPNG. AS REQ.'D - MATCH ADJACENT FINISHES

25'-4" ADDITION

16'-0"

9'-4"

5 FT. x 5 FT. LEVEL LANDING REQ'D. (TYP.)

12'-0" HOLD

2'-0"

8'-0" HOLD

2'-0"

NEW CANOPY

10'-0" ADDITION

NEW 8 FT. CANOPY

NEW TILE ARCADE

NEW ALUMINUM 2x8 WALL FASCIA (TYP.)

3'-6"

1'-2"

4'-0"

EXISTING WINDOW

EXISTING WINDOW

RELOCATED ROOF LADDER

MULTI

F.D.

EXIST. ELEC. SERVICE

NEW SHELVING

EXPANDED STORAGE

2'-2"

VESTIBULE

WOMEN

8'-9 3/8"

16'-0"

12'-4"

2'-8"

4'-4"

9'-0"

8'-4"

BLK. COKE STORAGE

CREW ROOM

NEW OPNG.

9'-0"

12'-0"

JAN.

DINING

4'-4"

2'-2"

3'-9 1/4"

NEW SPLIT CUSTOMER SERVICE COUNTER WITH SEEQ AND DIGITAL MENU BOARDS

4'-4"

3'-4"

11'-2"

RELOCATED 3 BOWL SINK

4'-0"

MEN

CUSTOMER SERVICE

9'-0"

ORDER AREA

NEW CANOPY

44'-0"

EX. HWH

I.T. CL.

MOP SINK

NEW WASH & MACHINE LOCATION

17'-6"

3'-0"

10'-0"

NEW S.S.B.B.

3'-0"

PICKUP AREA

5'-0"

NEW TILE ARCADE

NEW WALK-IN FREEZER 375 S.F.

NEW WALK-IN COOLER 161 S.F.

WIRE GRMT.

RELO. SINK

MODIFY TOILET ROOMS TO SATISFY ADA REQUIREMENTS

48'-0" ADDITION

NEW OFFICE

NEW OPNG.

KITCHEN

4'-0"

8'-0"

NEW TRELLIS

24'-8"

NEW/MODIFIED KITCHEN EQUIP. WITH CENTER ISLAND AND HLS (VERIFY POWER REQUIREMENTS)

NEW ELECTRICAL PANEL

CASHIER

1'-3 1/2"

VESTIBULE

9'-0"

3'-4"

PRESENTER 1

PRESENTER 2

EXISTING D.T. WINDOW

NEW ALUMINUM 2x8 WALL FASCIA (TYP.)

INFILL OPNG. AS REQ.'D - MATCH ADJACENT FINISHES

NEW D.T. WINDOW

INFILL OPNG. AS REQ.'D - MATCH ADJACENT FINISHES

NEW FAST FORWARD D.T. WINDOW

NEW D.T. TRELLIS

NEW D.T. TRELLIS

NEW D.T. TRELLIS

44'-6" CENTERLINE BETWEEN D.T. WINDOW OPENING

34'-8" CENTERLINE BETWEEN D.T. WINDOW OPENING

FLOOR PLAN

SCALE: 1/8"=1'-0"

NOTE: ALL DOORS AND WINDOWS ARE EXISTING TO REMAIN U.N.O.

BUILDING SQUARE FOOTAGE
EXISTING = 3,130 SQ. FT.
PROPOSED = 5,016 SQ. FT.

RECEIVED
AUG 01 2016
GC PLANNING COMMISSION

MDM
McILVRIED, DIDIANO, & MOX, LLC
Site Planners · Engineers · Surveyors
8851 Kind Drive
Pittsburgh, PA 15237
Ph.: (724) 934-2810 fax: (724) 934-2811
mdmcadd@mdmllc.com
www.mdmllc.com

McDonald's®

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OFFICE	PITTSBURGH REGION
ADDRESS	1000 OMEGA DRIVE PITTSBURGH, PA 15205

SHEET TITLE - CONCEPTUAL FLOOR PLAN OPTION #1

STREET ADDRESS: WEST LONDON-GROVEPORT, GROVE CITY, OHIO 43123

McDONALD'S SITE ID#: 034-1529

DATE:	DRAWN BY:	SCALE:	BLDG TYPE:
07-27-16	ASL	1/8" = 1'-0"	1560 WITH BAYS