

**APPLICATION NO.:** \_\_\_\_\_  
**STORMWATER MANAGEMENT**  
 Takoma Park, MD

Permit     Waiver  
 Exemption     Variance  
 Approved     Not Approved  
 Approved as Noted     Review & Re-submit

Approval inconsistent with any provision of Takoma Park Municipal Code Title 16 must be obtained. Ordinance which is not specifically noted and identified as authorized does not relieve the applicant of the responsibility for compliance with all provisions of the Ordinance.

*Matthew K. Jones*  
 City Engineer    Date: 10-28-2016

**SOILS LEGEND**

400' URBAN LAND

\*NOTE: ALL SOILS ON SITE ARE URBAN LAND

**LIMIT OF DISTURBANCE = 0.58 ± AC.**

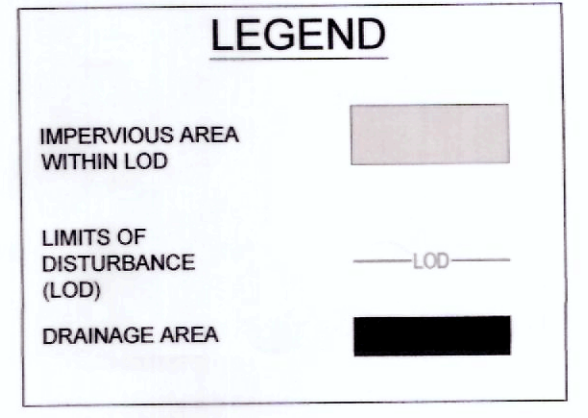
**ESD PRACTICE SUMMARY**

	AREA (SF)	MICRO BIO ESD PROVIDED (CF)
BIO-A	738	1187

**GENERAL NOTES**

- THIS PLAN IS BASED UPON THE FOLLOWING ALTA/ACSM LAND TITLE SURVEY:  
 PREPARED BY: BOHLER ENGINEERING  
 TITLED: "TACO BELL - TAKOMA PARK"  
 7881 NEW HAMPSHIRE AVE.  
 (13TH ELECTION DISTRICT)  
 MONTGOMERY COUNTY, MARYLAND  
 FIELD DATE: 12/09/14  
 DATED: 12/10/14  
 PROJECT NO.: SB14200601

- NO ERODIBLE SOILS OR STEEP SLOPES EXIST WITHIN THE LIMITS OF DISTURBANCE.
- REDEVELOPMENT STORMWATER WQV COMPUTATIONS:  
 LIMIT OF DISTURBANCE = 0.58 ACRES  
 EXISTING IMPERVIOUS AREA = 0.53 ACRES  
 PROPOSED IMPERVIOUS AREA = 0.42 ACRES  
 REDUCED IMPERVIOUS AREA = 0.11 ACRES OR 21.6%  
 TOTAL REQUIRED AREA TO BE TREATED = 6,573 SF  
 TOTAL PROVIDED AREA TO BE TREATED = 7,536 SF  
 VOLUME REQUIRED TO BE TREATED = 1,041 CF  
 VOLUME PROVIDED TO BE TREATED = 1,188 CF



**BOHLER ENGINEERING**

SITE CIVIL AND CONSULTING ENGINEERING  
 LAND SURVEYING AND PLANNING  
 ENVIRONMENTAL ENGINEERING  
 TRANSPORTATION SERVICES  
 PERMITTING SERVICES

● BALTIMORE MD  
 ● BETHESDA MD  
 ● CHANTILLY VA  
 ● FARMERSVILLE VA  
 ● GREENBELT MD  
 ● HAGERSTOWN MD  
 ● NEW YORK NY  
 ● PHILADELPHIA PA  
 ● RICHMOND VA  
 ● SOUTH EASTERN PA  
 ● WASHINGTON DC  
 ● WASHINGTON DC

**REVISIONS**

REV	DATE	COMMENT	BY

**NOT APPROVED FOR CONSTRUCTION**

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE: CALL 1-811 (WWW.1-800-245-4848) (PA: 1-800-242-1778) (DC: 1-800-267-7777) (VA: 1-800-252-7501) (MD: 1-800-267-7777) (DC: 1-800-252-9555)

**PROJECT NO.:** MB14200601  
**DRAWN BY:** BLF  
**CHECKED BY:** AS/SHWN  
**DATE:** 05/05/16  
**SCALE:** AS SHOWN  
**CAD I.D.:** SWJ

**TAKOMA PARK TACO BELL**

FOR MUY TACO BELL  
 LOCATION OF SITE  
 1300 HOLTON LANE  
 TAKOMA PARK, MD 20912  
 MONTGOMERY COUNTY  
 LOTS 55 & 56  
 GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**

16701 MELFORD BLVD., SUITE 310  
 BOWIE, MARYLAND 20715  
 Phone: (301) 809-4500  
 Fax: (301) 809-4501  
 MD@BohlerEng.com

**M. K. JONES**

PROFESSIONAL ENGINEER

**SHEET TITLE:** STORMWATER MANAGEMENT PLAN

**SHEET NUMBER:** SWM-2 OF 3

PROFESSIONAL CERTIFICATION  
 MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36969, EXPIRATION DATE: 3/15/2017

Appendix B.4. Construction Specifications for Environmental Site Design Practices

Base Course - The base course shall be AASHTO No. 3 or 4 course aggregate with an assumed open pore space of 30% (n = 0.30).

3. Reinforced Turf

Reinforced Grass Pavement (RGP) - Whether used with grass or gravel, the RGP thickness shall be at least 1 1/2" thick with a load capacity capable of supporting the traffic and vehicle types that will be carried.

B.4.C. Specifications for Micro-Bioretention. Rain Gardens, Landscape Infiltration & Infiltration Berms

1. Material Specifications

The allowable materials to be used in these practices are detailed in Table B.4.1.

2. Filtering Media or Planting Soil

The soil shall be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances shall be mixed or dumped within the micro-bioretention practice that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The planting soil shall be free of Bermuda grass, Quackgrass, Johnson grass, or other noxious weeds as specified under COMAR 15.08.01.05.

The planting soil shall be tested and shall meet the following criteria:

- Soil Component - Loamy Sand or Sandy Loam (USDA Soil Textural Classification)
- Organic Content - Minimum 10% by dry weight (ASTM D 2974). In general, this can be met with a mixture of loamy sand (60%-65%) and compost (35% to 40%) or sandy loam (30%), coarse sand (30%), and compost (40%).
- Clay Content - Media shall have a clay content of less than 5%.
- pH Range - Should be between 5.5 - 7.0. Amendments (e.g., lime, iron sulfate plus sulfur) may be mixed into the soil to increase or decrease pH.

There shall be at least one soil test per project. Each test shall consist of both the standard soil test for pH, and additional tests of organic matter, and soluble salts. A textural analysis is required from the site stockpiled topsoil. If topsoil is imported, then a texture analysis shall be performed for each location where the topsoil was excavated.

3. Compaction

It is very important to minimize compaction of both the base of bioretention practices and the required backfill. When possible, use excavation boxes to remove original soil. If practices are Appendix B.4. Construction Specifications for Environmental Site Design Practices

excavated using a loader, the contractor should use wide track or marsh track equipment, or light equipment with turf type tires. Use of equipment with narrow tracks or narrow tires, rubber tires with large lugs, or high-pressure tires will cause excessive compaction resulting in reduced infiltration rates and is not acceptable. Compaction will significantly contribute to design failure.

Compaction can be alleviated at the base of the bioretention facility by using a primary tilling operation such as a chisel plow, ripper, or subsoiler. These tilling operations are to restructure the soil profile through the 12 inch compaction zone. Subsoiler methods must be approved by the engineer. Rototillers typically do not till deep enough to reduce the effects of compaction from heavy equipment.

Rototill 2 to 3 inches of sand into the base of the bioretention facility before backfilling the optional sand layer. Pump any ponded water before preparing (rototilling) base.

When backfilling the topsoil over the sand layer, first place 3 to 4 inches of topsoil over the sand, then rototill the sand/topsoil to create a gradation zone. Backfill the remainder of the topsoil to final grade.

When backfilling the bioretention facility, place soil in lifts 12" to 18". Do not use heavy equipment within the bioretention basin. Heavy equipment can be used around the perimeter of the basin to supply soils and sand. Grade bioretention materials with light equipment such as a compact loader or a dozer/loader with marsh tracks.

4. Plant Material

Recommended plant material for micro-bioretention practices can be found in Appendix A, Section A.2.3.

5. Plant Installation

Compost is a better organic material source, is less likely to float, and should be placed in the invert and other low areas. Mulch should be placed in surrounding to a uniform thickness of 2" to 3". Shredded or chipped hardwood mulch is the only accepted mulch. Pine mulch and wood chips will float and move to the perimeter of the bioretention area during a storm event and are not acceptable. Shredded mulch must be well aged (6 to 12 months) for acceptance.

Rootstock of the plant material shall be kept moist during transport and on-site storage. The plant root ball should be planted so 1/8" of the ball is above final grade surface. The diameter of the planting pit shall be at least six inches larger than the diameter of the planting ball. Set and maintain the plant straight during the entire planting process. Thoroughly water ground bed cover after installation.

Appendix B.4. Construction Specifications for Environmental Site Design Practices

Trees shall be braced using 2" by 2" stakes only as necessary and for the first growing season only. Stakes are to be equally spaced on the outside of the tree ball.

Grasses and legume seed should be drilled into the soil to a depth of at least one inch. Grass and legume plugs shall be planted following the non-grass ground cover planting specifications.

The topsoil specifications provide enough organic material to adequately supply nutrients from natural cycling. The primary function of the bioretention structure is to improve water quality. Adding fertilizers, pesticides, or at a minimum, impedes this goal. Only add fertilizer if wood chips or mulch are used to amend the soil. Rototill urea fertilizer at a rate of 2 pounds per 1000 square feet.

7. Miscellaneous

These practices may not be constructed until all contributing drainage area has been stabilized

MAINTENANCE INSPECTION SCHEDULE

	YEAR 1				As Needed	EVERY THREE YEARS
	Spring	Summer	Fall	Winter		
Mulching	x	x	x	x	x	x
Raking Mulch	x	x	x	x	x	x
Weeding	x	x	x	x	x	x
Pruning	x	x	x	x	x	x
New Planting	x	x	x	x	x	x
Watering	x	x	x	x	x	x
Removing Debris	x	x	x	x	x	x

MAINTENANCE INSPECTION SCHEDULE NOTES

1. ALL MAINTENANCE INSPECTION SHALL CONFORM TO CITY OF TAKOMA PARK CODE SECTION 16.04.260.
2. INSPECTION REPORTS FOR ESD TREATMENT PRACTICES AND STRUCTURAL STORMWATER MANAGEMENT SYSTEMS SHALL INCLUDE THE FOLLOWING (IF APPLICABLE): THE DATE OF INSPECTION, THE NAME OF THE INSPECTOR, AN ASSESSMENT OF THE QUALITY OF THE STORMWATER MANAGEMENT SYSTEM RELATED TO ESD TREATMENT PRACTICE EFFICIENCY AND THE CONTROL OF RUNOFF TO THE MEP, THE CONDITION OF VEGETATION OR FILTER MEDIA, FENCES OR OTHER SAFETY DEVICES, SPILLWAYS, VALVES, OR OTHER CONTROL STRUCTURES, EMBANKMENTS, SLOPES, AND SAFETY BENCHES, RESERVE OR TREATMENT AREAS, OUTLET OR INLET CHANNELS OR STRUCTURES, UNDERGROUND DRAINAGE, SEDIMENT LOAD AND DEBRIS ACCUMULATION IN STORAGE AND FOREBAY AREAS, ANY NONSTRUCTURAL PRACTICES TO THE EXTENT PRACTICABLE, OR ANY OTHER ITEM THAT COULD AFFECT THE PROPER FUNCTION OF THE STORMWATER MANAGEMENT SYSTEM, AND A DESCRIPTION OF NEEDED MAINTENANCE.
3. IF, AFTER AN INSPECTION, THE CONDITION OF A STORMWATER MANAGEMENT FACILITY PRESENTS AN IMMEDIATE DANGER TO THE PUBLIC HEALTH OR SAFETY BECAUSE OF AN UNSAFE CONDITION OR IMPROPER CONSTRUCTION OR POOR MAINTENANCE, THE CITY OF TAKOMA PARK SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO PROTECT THE PUBLIC AND MAKE THE FACILITY SAFE. THE OWNER(S) OF THE FACILITY SHALL BE ASSESSED ANY COSTS OF SUCH ACTION, AND THE COST SHALL BE A LIEN ON THE PROPERTY, WHICH MAY BE PLACED ON THE TAX BILL AND COLLECTED AS PROPERTY TAXES BY THE CITY OF TAKOMA PARK.
4. AFTER NOTIFICATION IS PROVIDED TO THE OWNER OF ANY DEFICIENCIES DISCOVERED FROM AN INSPECTION OF A STORMWATER MANAGEMENT SYSTEM, THE OWNER SHALL HAVE 30 DAYS OR SUCH OTHER TIME FRAME MUTUALLY AGREED TO BETWEEN THE CITY OF TAKOMA PARK AND THE OWNER, TO CORRECT THE DEFICIENCIES. THE CITY OF TAKOMA PARK SHALL THEN CONDUCT A SUBSEQUENT INSPECTION TO ENSURE COMPLETION OF THE REPAIRS.
5. IF REPAIRS ARE NOT PROPERLY UNDERTAKEN AND COMPLETED, ENFORCEMENT PROCEDURES AS SET FORTH IN THIS CHAPTER SHALL BE FOLLOWED BY THE CITY OF TAKOMA PARK.

GENERAL NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPROXIMATE COSTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE WORK AS DEFINED BY THE DRAWINGS AND ALL GOVERNANCE WITH LOCAL REGULATIONS AND CODES.

Appendix B.4. Construction Specifications for Environmental Site Design Practices

Table B.4.1 Materials Specifications for Micro-Bioretention, Rain Gardens & Landscape Infiltration-

Material	Specification	Size	Notes
Planting soil (2" to 4" deep)	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil (2" to 4" deep)	loamy sand (60 - 65%) & compost (35 - 40%) or sandy loam (30%), coarse sand (30%) & compost (40%)	n/a	USDA soil types loamy sand or sandy loam; clay content < 5%
Organic content	Min. 10% by dry weight (ASTM D 2974)	n/a	aged 6 months, minimum; no pine or wood chips
Mulch	shredded hardwood	n/a	
Pea gravel diaphragm	pea gravel: ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
Curtain drain	ornamental stone: washed cobbles	stone: 2" to 5"	PE Type 1 nonwoven
Geotextile	AASHTO M-43	n/a	
Geotextile (underdrains and infiltration berms)	shredded hardwood	NO. 57 OR NO. 6 AGGREGATE (3/8" TO 3/4")	
Underdrain piping	F 758, Type PS 28 or AASHTO M-278	4" to 6" rigid schedule 40 PVC or SDR35	Slotted or perforated pipe; 3/8" perf. @ 6" on center, 4 holes per row; minimum of 3" of gravel over pipes; not necessary underdrain pipes. Perforated pipe shall be wrapped with 1/4-inch galvanized hardware cloth.
Poured in place concrete (if required)	MSHA Mix No. 3; f'c = 3500 psi @ 28 days, normal weight, air-entrained; reinforcing to meet ASTM-615-60	n/a	on-site testing of poured-in-place concrete required: 28 day strength and slump test; all concrete design (cast-in-place or pre-cast) not using previously approved data or local standards requires design drawings sealed and approved by a professional structural engineer licensed in the State of Maryland - design to include meeting ACI Code 350R.89; vertical loading (H-10 or H-20); allowable horizontal loading (based on soil permeability); and analysis of potential cracking.
Sand	AASHTO-M-6 or ASTM-C-33	0.075" to 0.04"	Sand substitutions such as Diabase and Graystone (AASHTO) #10 are not acceptable. No calcium carbonated or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.

B.4.7

Supp. 1

LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREES(S)					
BN	3	BETULA NIGRA	MULTI STEM BIRCH	12-14'	B+B
SUBTOTAL:	3				
DECIDUOUS SHRUB(S)					
CSF	15	CORNUS SERICIA FLAVIRAMEX	YELLOW TWIG DOGWOOD	2-3'	B+B
SUBTOTAL:	15				
PERENNIAL(S)					
NC	90	IRIS VERSICOLOR	BLUE FLAG IRIS	PLUG	
JE	143	JUNCUS EFFUSUS	COMMON RUSH	PLUG	
SUBTOTAL:	233				

SAND SPECIFICATIONS:

Washed ASTM C33 Fine Aggregate Concrete Sand is utilized for stormwater management applications in Montgomery County. In addition to the ASTM C33 specification, sand must meet ALL of the following conditions:

1. Sand must meet gradation requirements for ASTM C-33 Fine Aggregate Concrete Sand. AASHTO M-6 gradation is also acceptable.
2. Sand must be silica based... no limestone based products may be used. If the material is white or gray in color, it is probably not acceptable.
3. Sand must be clean. Natural, unwashed sand deposits may not be used. Likewise, sand that has become contaminated by improper storage or installation practices will be rejected.
4. Manufactured sand or stone dust is not acceptable under any circumstance.

APPLICATION NO: SWP16-05-01

STORMWATER MANAGEMENT

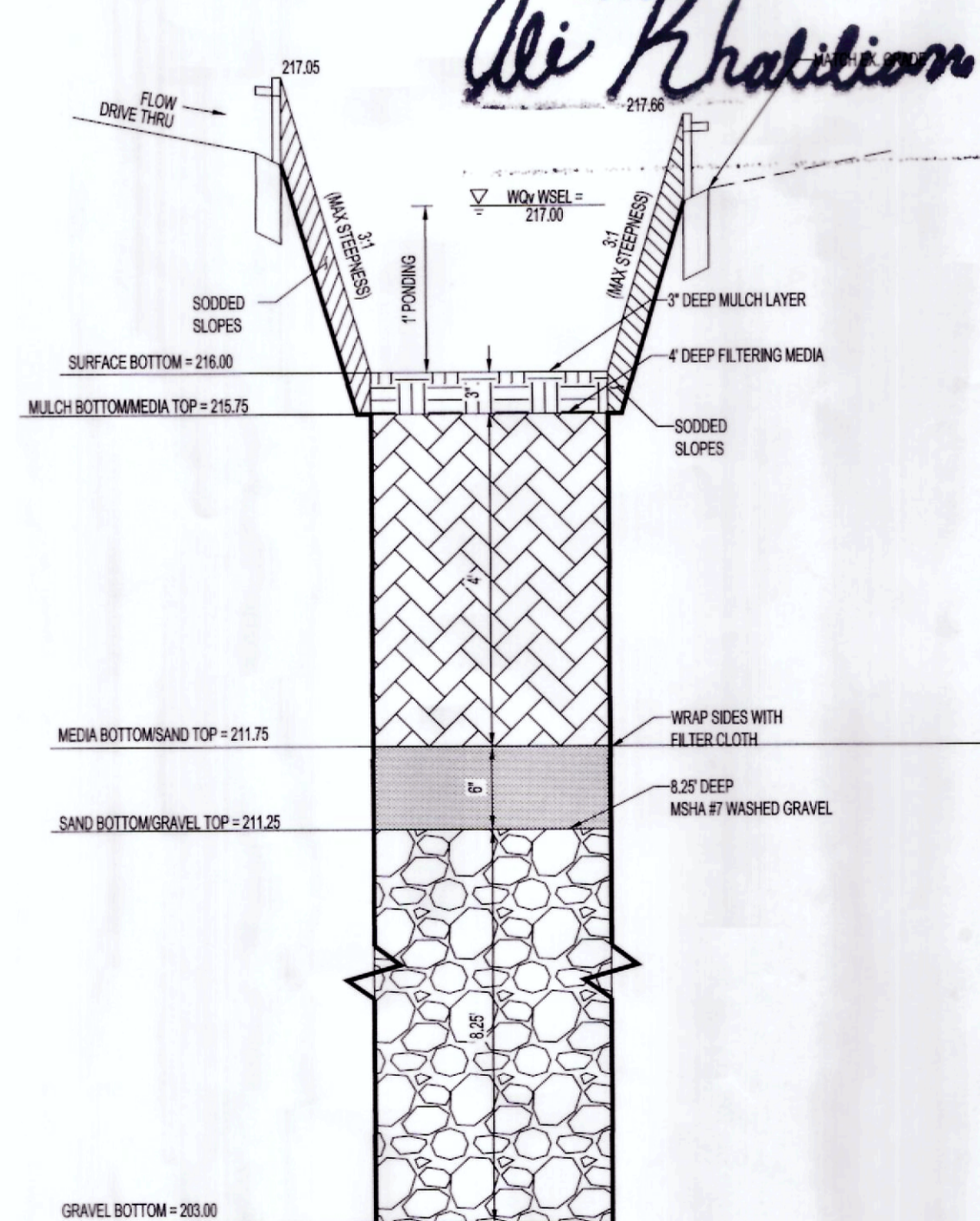
Takoma Park, MD

- Permit  Waiver
- Exemption  Variance
- Approved  Not Approved
- Approved as Noted  Review & Resubmit

Approval inconsistent with any provision of Takoma Park Municipal Code Title 16 in current Ordinance which is not specifically noted and identified as an authorized deviation from the Ordinance does not relieve the applicant of responsibility for compliance with all provisions of the Ordinance.

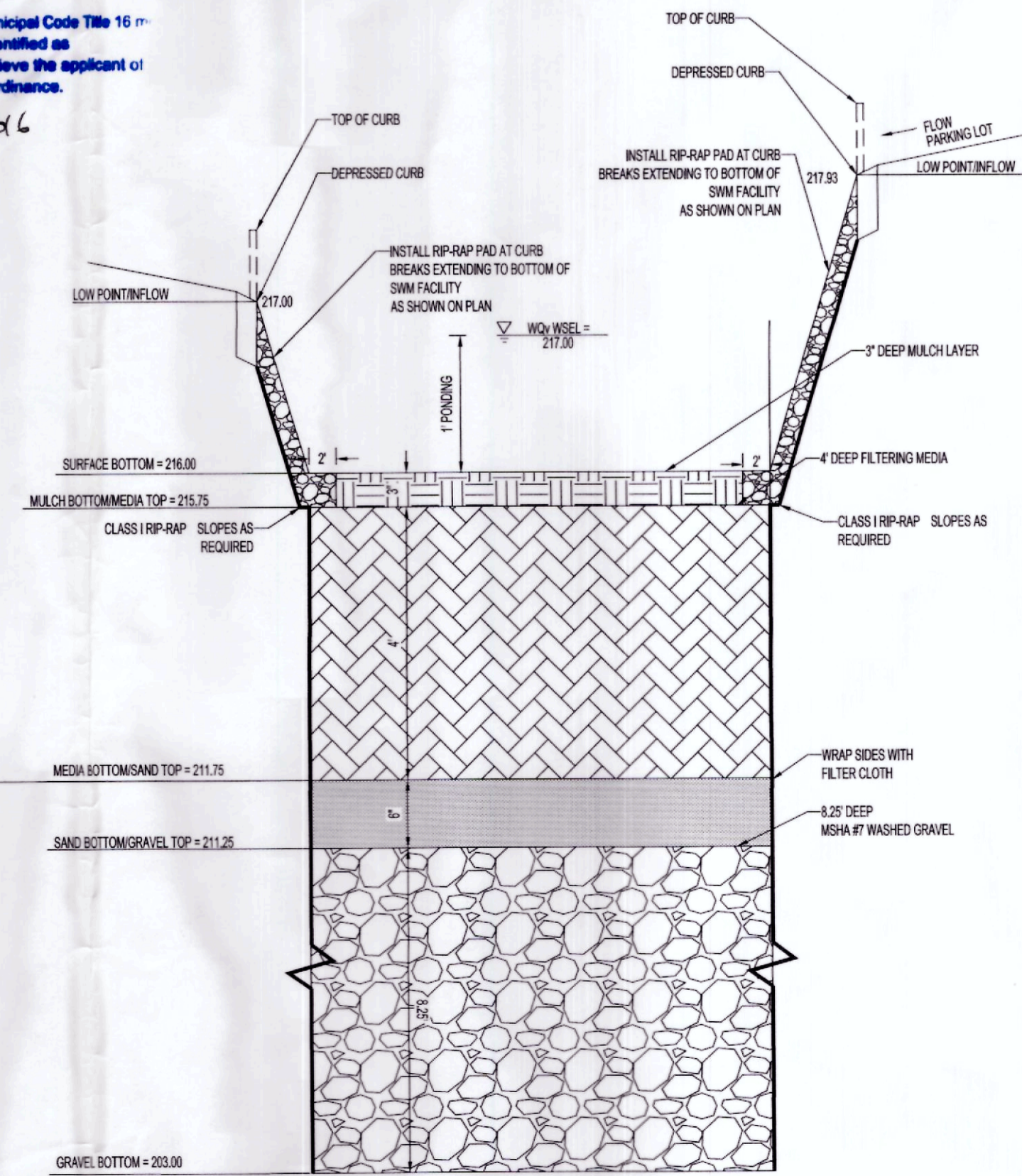
10-24-2016

City Engineer: *Ali Khatibian* Date



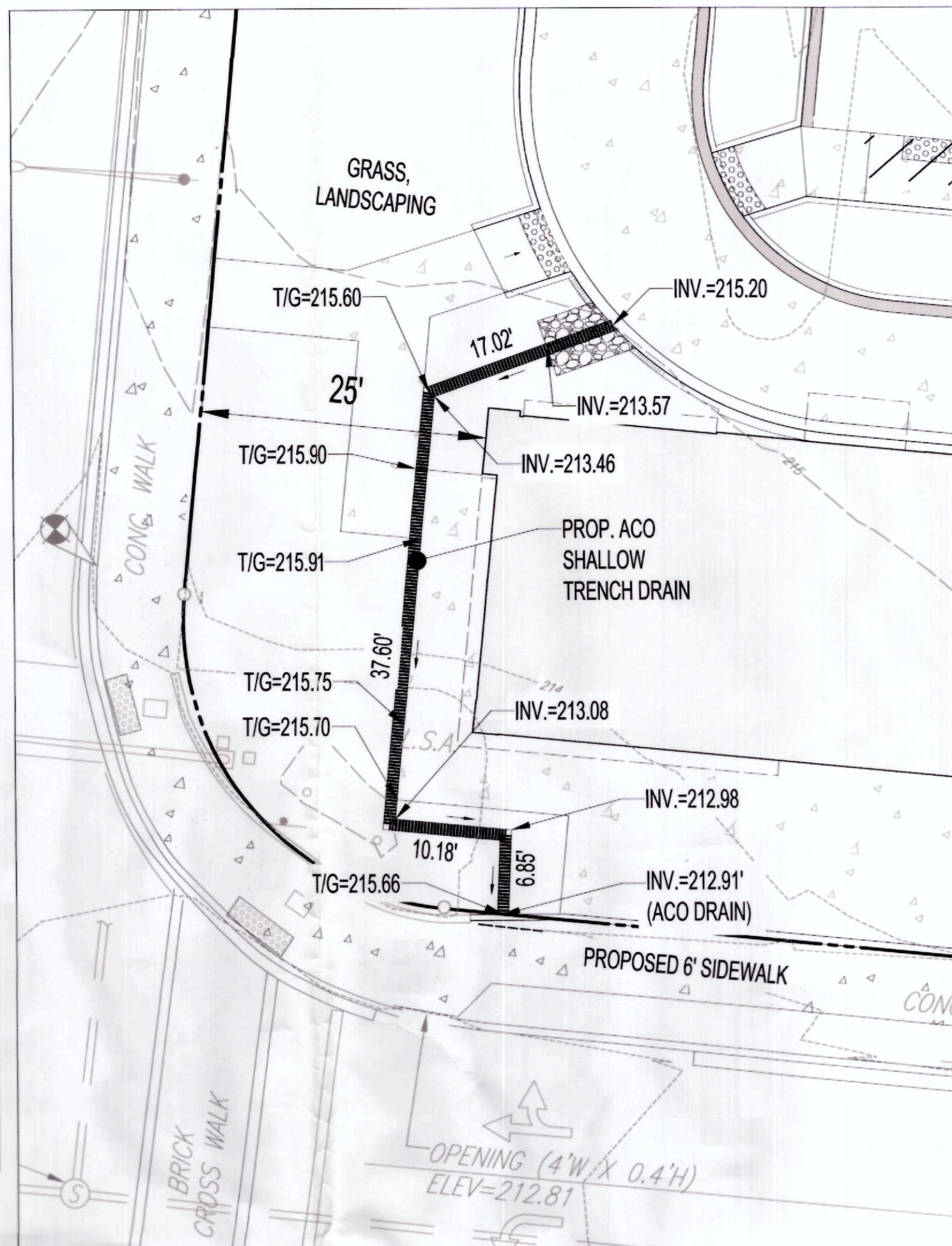
CROSS SECTION A-A'

NOT TO SCALE



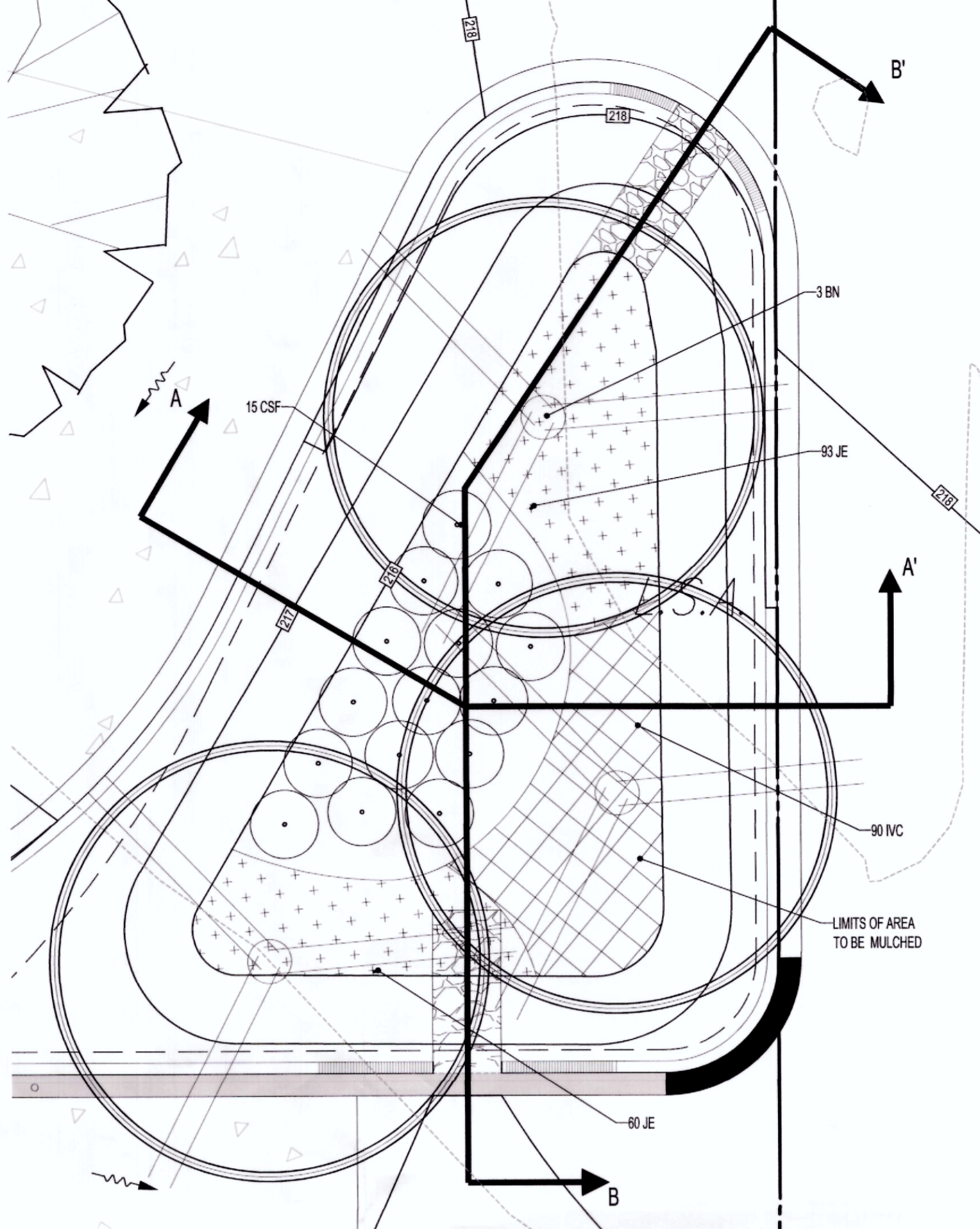
CROSS SECTION B-B'

NOT TO SCALE



TRENCH DRAIN SCHEMATIC

NOT TO SCALE



MICROBIORETENTION #1 PLAN VIEW

1"=5'

MICRO-BIORETENTION INSPECTION CHECKLIST

STAGE	CITY INSPECTOR	OWNER/DEVELOPER
MANDATORY NOTIFICATION, INSPECTION AND APPROVAL OF EACH PRACTICE IS REQUIRED AT THESE POINTS PRIOR TO PROCEEDING WITH CONSTRUCTION. THE PERMITTEE IS REQUIRED TO GIVE THE CITY OF TAKOMA PARK CITY ENGINEER TWENTY FOUR (24) HOURS NOTICE (CITY OF TAKOMA PARK TELEPHONE 301-461-7633). THE CITY OF TAKOMA PARK CITY ENGINEER MAY WAIVE AN INSPECTION, AND ALLOW THE OWNER/DEVELOPER TO MAKE THE REQUIRED INSPECTION PER A PRIOR SCHEDULED ARRANGEMENT WHICH HAS BEEN CONFIRMED WITH THE CITY OF TAKOMA PARK CITY ENGINEER IN WRITING. WORK COMPLETED WITHOUT THE CITY ENGINEER APPROVAL MAY RESULT IN THE PERMITTEE HAVING TO REMOVE AND RECONSTRUCT THE UNAPPROVED WORK. UPON COMPLETION OF THE PROJECT, A FORMAL STORMWATER MANAGEMENT AS-BUILT MUST BE SUBMITTED TO THE CITY OF TAKOMA PARK UNLESS A RECORD DRAWING CERTIFICATION HAS BEEN ALLOWED INSTEAD. EACH OF THE STEPS LISTED BELOW MUST BE VERIFIED BY EITHER THE CITY OF TAKOMA PARK CITY ENGINEER OR THE OWNER/DEVELOPER.		
1. DURING EXCAVATION TO SUBGRADE		
2. DURING PLACEMENT OF AND BACKFILL OF UNDERDRAIN SYSTEMS		
3. DURING PLACEMENT OF GEOTEXTILES AND ALL FILTER MEDIA		
4. DURING CONSTRUCTION OF APPURTENANCE CONVEYANCE SYSTEMS SUCH AS FLOW DIVERSION STRUCTURES, PRE-FILTERS AND FILTERS, INLETS, OUTLETS, ORIFICES, AND LOW DISTRIBUTION STRUCTURES		
5. UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION		

MICRO-BIORETENTION INSPECTION NOTES

1. ALL CONSTRUCTION INSPECTION AND CONSTRUCTION CONTROL SHALL CONFORM TO CITY OF TAKOMA PARK CODE SECTION 16.04.260.
2. THE OWNER/DEVELOPER SHALL NOTIFY THE CITY OF TAKOMA PARK AT LEAST 48 HOURS BEFORE COMMENCING ANY WORK IN CONJUNCTION WITH SITE DEVELOPMENT, THE STORMWATER MANAGEMENT PERMIT AND UPON COMPLETION OF THE PROJECT.
3. REGULAR INSPECTIONS SHALL BE MADE AND DOCUMENTED FOR EACH ESD PLANNING TECHNIQUE AND PRACTICE AT THE STAGES OF CONSTRUCTION SPECIFIED IN THE DESIGN MANUAL BY THE CITY OF TAKOMA PARK, ITS AUTHORIZED REPRESENTATIVE, OR CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND. AT A MINIMUM, ALL ESD AND OTHER NONSTRUCTURAL PRACTICES SHALL BE INSPECTED UPON COMPLETION OF FINAL GRADING, THE ESTABLISHMENT OF PERMANENT STABILIZATION, AND BEFORE ISSUANCE OF USE AND OCCUPANCY APPROVAL.
4. WRITTEN INSPECTION REPORTS SHALL INCLUDE: THE DATE AND LOCATION OF THE INSPECTION, WHETHER CONSTRUCTION WAS IN COMPLIANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN, ANY VARIATIONS FROM THE APPROVED CONSTRUCTION SPECIFICATIONS AND ANY VIOLATIONS THAT EXIST.
5. THE OWNER/DEVELOPER AND ON-SITE PERSONNEL SHALL BE NOTIFIED IN WRITING WHEN VIOLATIONS ARE OBSERVED. WRITTEN NOTIFICATION SHALL DESCRIBE THE NATURE OF THE VIOLATION AND THE REQUIRED CORRECTIVE ACTION.
6. NO WORK SHALL PROCEED ON THE NEXT PHASE OF DEVELOPMENT UNTIL THE CITY OF TAKOMA PARK INSPECTS AND APPROVES THE WORK PREVIOUSLY COMPLETED AND FURNISHES THE DEVELOPER WITH THE RESULTS OF THE INSPECTION AS SOON AS POSSIBLE AFTER COMPLETION OF EACH REQUIRED INSPECTION. ONCE CONSTRUCTION IS COMPLETE, AS-BUILT PLAN CERTIFICATION SHALL BE SUBMITTED BY EITHER A PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF MARYLAND TO ENSURE THAT ESD PLANNING TECHNIQUES, TREATMENT PRACTICES, AND STRUCTURAL STORMWATER MANAGEMENT MEASURES AND CONVEYANCE SYSTEMS COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE APPROVED PLANS. AT A MINIMUM, AS-BUILT CERTIFICATION SHALL INCLUDE A SET OF DRAWINGS COMPARING THE APPROVED STORMWATER MANAGEMENT PLAN WITH WHAT WAS CONSTRUCTED. THE CITY OF TAKOMA PARK MAY REQUIRE ADDITIONAL INFORMATION.
7. ONCE CONSTRUCTION IS COMPLETE, AS-BUILT PLAN CERTIFICATION SHALL BE SUBMITTED BY EITHER A PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF MARYLAND TO ENSURE THAT ESD PLANNING TECHNIQUES, TREATMENT PRACTICES, AND STRUCTURAL STORMWATER MANAGEMENT MEASURES AND CONVEYANCE SYSTEMS COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE APPROVED PLANS. AT A MINIMUM, AS-BUILT CERTIFICATION SHALL INCLUDE A SET OF DRAWINGS COMPARING THE APPROVED STORMWATER MANAGEMENT PLAN WITH WHAT WAS CONSTRUCTED. THE CITY OF TAKOMA PARK MAY REQUIRE ADDITIONAL INFORMATION.

PROFESSIONAL CERTIFICATION  
I, MATTHEW J. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36996, EXPIRATION DATE: 3/31/2017

**BOHLER ENGINEERING**  
SITE CIVIL AND CONSULTING ENGINEERING ARCHITECTURE  
LAND SURVEYING ENGINEERING ARCHITECTURE  
SUSTAINABLE DESIGN TRANSPORTATION SERVICES  
PERMITTING SERVICES  
BALTIMORE, MD  
BOSTON, MA  
CENTRAL VIRGINIA  
NEW YORK, NY  
NORTH CAROLINA  
LEHIGH VALLEY, PA  
RICHMOND, VA  
SOUTH EASTERN, PA

REVISIONS

REV	DATE	COMMENT	BY

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE: IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE. CALL: 811 (VA 1-800-348-4848) (PA 1-800-348-7778) (DC 1-800-257-7777) (VA 1-800-562-7001) (MD 1-800-257-7777) (DE 1-800-282-8555)

NOT APPROVED FOR CONSTRUCTION

PROJECT No: MB142020601  
DRAWN BY: JDC  
CHECKED BY: BLF  
DATE: 05/05/16  
SCALE: AS SHOWN  
CAD ID: SW1

TAKOMA PARK TACO BELL

FOR MUY TACO BELL  
LOCATION OF SITE  
1300 HOLTON LANE  
TAKOMA PARK, MD 20912  
MONTGOMERY COUNTY  
LOTS 55 & 56  
GUDE AND ABRAHAM'S

BOHLER ENGINEERING  
16701 MOLFORD BLVD, SUITE 310  
BOWIE, MARYLAND 20715  
Phone: (301) 809-4500  
Fax: (301) 809-4501  
MD@BohlerEng.com

M. K. JONES  
PROFESSIONAL ENGINEER  
05/05/16

SHEET TITLE: MICRO - BIO DETAILS  
SHEET NUMBER: SWM-3 OF 3

# SEDIMENT CONTROL PLAN FOR MUY TACO BELL

LOCATION OF SITE  
1300 HOLTON LANE  
TAKOMA PARK, MD 20912  
MONTGOMERY COUNTY, MARYLAND



LOCATION MAP  
COPYRIGHT 2003  
DELMORE STREET ATLAS 2004 PLUS USA  
SCALE: 1"=2000'

DEVELOPER/APPLICANT  
RJP CONSULTING GROUP  
100 EAST LANCASTER AVENUE, SUITE 200  
DOWNTOWN, PA 19335  
PHONE: 610-518-2830  
CONTACT: WILL LEWIS

OWNER  
JBG/TAKOMA RETAIL CENTER L.L.C.  
4445 WILLARD AVE., SUITE 400  
CHEVY CHASE, MD 20815  
PHONE: 301-657-0700  
CONTACT: CARTER DAVIS

## SHEET INDEX

SHEET TITLE	SHEET NUMBER
COVER SHEET	SC-1
PHASE I EROSION AND SEDIMENT CONTROL PLAN	SC-2
PHASE II EROSION AND SEDIMENT CONTROL PLAN	SC-3
SEDIMENT CONTROL DETAILS	SC-4



16701 MELFORD BLVD, SUITE 310  
BOWIE, MARYLAND 20715  
Phone: (301) 809-4500  
Fax: (301) 809-4501  
BFox@BohlerEng.com  
CONTACT: BRADFORD FOX, P.E.

### STANDARD DRAWING LEGEND

FOR ENTIRE PLAN SET (NOT TO SCALE)

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
---	ONSITE PROPERTY LINE / R.O.W. LINE	---
---	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE	---
---	EASEMENT LINE	---
---	SETBACK LINE	---
---	CONCRETE CURB & GUTTER	---
---	UTILITY POLE WITH LIGHT	---
---	POLE LIGHT	---
---	TRAFFIC LIGHT	---
---	UTILITY POLE	---
---	TYPICAL LIGHT	---
---	ACORN LIGHT	---
---	TYPICAL SIGN	---
---	PARKING COUNTS	---
---	CONTOUR LINE	---
---	SPOT ELEVATIONS	---
---	SANITARY LABEL	---
---	STORM LABEL	---
---	SANITARY SEWER LATERAL	---
---	UNDERGROUND WATER LINE	---
---	UNDERGROUND ELECTRIC LINE	---
---	UNDERGROUND GAS LINE	---
---	OVERHEAD WIRE	---
---	UNDERGROUND TELEPHONE LINE	---
---	UNDERGROUND CABLE LINE	---
---	STORM SEWER	---
---	SANITARY SEWER MAIN	---
---	HYDRANT	---
---	SANITARY MANHOLE	---
---	STORM MANHOLE	---
---	WATER METER	---
---	WATER VALVE	---
---	GAS VALVE	---
---	GAS METER	---
---	TYPICAL END SECTION	---
---	HEADWALL OR ENDWALL	---
---	YARD INLET	---
---	CURB INLET	---
---	CLEAN OUT	---
---	ELECTRIC MANHOLE	---
---	TELEPHONE MANHOLE	---
---	ELECTRIC BOX	---
---	ELECTRIC PEDESTAL	---
---	MONITORING WELL	---
---	TEST PIT	---
---	BENCHMARK	---
---	BORING	---

### STANDARD ABBREVIATIONS

FOR ENTIRE PLAN SET

AC	ACRES	POG	POINT OF GRADE
ADA	AMERICANS WITH DISABILITY ACT	PROP	PROPOSED
ARCH	ARCHITECTURAL	PT	POINT OF TANGENCY
BC	BOTTOM OF CURB	PTCR	POINT OF TANGENCY, CURB RETURN
BF	BASEMENT FLOOR	PVC	POLYVINYL CHLORIDE PIPE
BK	BLOCK	PVI	POINT OF VERTICAL INTERSECTION
BL	BASELINE	PVT	POINT OF VERTICAL TANGENCY
BLDG	BUILDING	R	RADIUS
BM	BUILDING BENCHMARK	RCP	REINFORCED CONCRETE PIPE
BRL	BUILDING RESTRICTION LINE	RET WALL	RETAINING WALL
CF	CUBIC FEET	R/W	RIGHT OF WAY
CL	CENTERLINE	S	SLOPE
CMP	CORRUGATED METAL PIPE	SAN	SANITARY SEWER
CONN	CONNECTION	SF	SQUARE FEET
CONC	CONCRETE	STA	STATION
CPP	CORRUGATED PLASTIC PIPE	STM	STORM
CY	CUBIC YARDS	SW	SIDEWALK
DEC	DECORATIVE	TBR	TO BE REMOVED
DEP	DEPRESSED	TBR/L	TO BE RELOCATED
DIP	DUCTILE IRON PIPE	TC	TOP OF CURB
DOM	DOMESTIC	TELE	TELEPHONE
ELEC	ELECTRIC	TPF	TREE PROTECTION FENCE
ELEV	ELEVATION	TW	TOP OF WALL
EP	EDGE OF PAVEMENT	TYP	TYPICAL
ES	EDGE OF SHOULDER	UG	UNDERGROUND
EW	END WALL	UP	UTILITY POLE
EX	EXISTING	W	WIDE
FES	FLARED END SECTION	WL	WATER LINE
FF	FINISHED FLOOR	WM	WATER METER
FH	FIRE HYDRANT	±	PLUS OR MINUS
FG	FINISHED GRADE	°	DEGREE
G	GRADE	Ø	DIAMETER
GF	GARAGE FLOOR (AT DOOR)	#	NUMBER
GH	GRADE HIGHER SIDE OF WALL		
GL	GRADE LOWER SIDE OF WALL		
GRT	GRATE		
GV	GATE VALVE		
HDPE	HIGH DENSITY POLYETHYLENE PIPE		
HP	HIGH POINT		
HOR	HORIZONTAL		
HW	HEADWALL		
INT	INTERSECTION		
INV	INVERT		
LF	LINEAR FOOT		
LOC	LIMITS OF CLEARING		
LOD	LIMITS OF DISTURBANCE		
LOS	LINE OF SIGHT		
LP	LOW POINT		
LUS	LANDSCAPE		
MAX	MAXIMUM		
MIN	MINIMUM		
MH	MANHOLE		
MJ	MECHANICAL JOINT		
OC	ON CENTER		
PA	POINT OF ANALYSIS		
PC	POINT CURVATURE		
PCCR	POINT OF COMPOUND CURVATURE, CURB RETURN		
PI	POINT OF INTERSECTION		

MONTGOMERY COUNTY PLANNING DEPARTMENT  
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

June 24, 2015  
Mr. Brenton Hutchinson  
AN WG Takoma LP  
1430 Broadway STE 1630  
New York, NY 10018

Re: Forest Conservation Exemption 420152222; Taco Bell, Takoma Park

Dear Mr. Hutchinson:

Based on the review by staff of the Montgomery County Planning Department, the Forest Conservation Exemption Request submitted on June 19, 2015 for the plan identified above, is confirmed. The project site is exempt from Article II of the Montgomery County Code, Chapter 22A (Forest Conservation Law), Section 22A-9(c) because the site is a modification to an existing non-residential developed property: (1) no more than 5,000 square feet of forest is ever cleared at one time or cumulatively after an exemption is issued, (2) the modification does not result in the cutting, clearing, or grading of any forest in a stream buffer or located on property in a special protection area which must submit a water quality plan, (3) the modification does not require approval of a preliminary plan of subdivision, and (4) the modification does not increase the developed area by more than 50% and the existing development is maintained.

A pre-construction meeting is required after the limits of disturbance have been staked prior to clearing and grading. The property owner, construction superintendent, forest conservation inspector, and the Montgomery County Department of Permitting Services sediment control inspector shall attend this meeting. If you have any questions regarding these actions, please feel free to contact me at 301-455-4281 or at [dwillem@montgomeryplanning.org](mailto:dwillem@montgomeryplanning.org).

Sincerely,  
David Wigglesworth  
Sr. Planner  
Development Applications & Regulatory Coordination

CC: Will Lewis (RJP)  
Matt Jones (Bohler Eng.)  
420152222

8787 George Avenue, Silver Spring, Maryland 20919  
Development Applications and Regulatory Coordination  
www.MontgomeryPlanning.org

### TREE CANOPY REQUIREMENTS TABLE

To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Management plan set for all projects.

Exempt: Yes  No  If exempt under Section 55-5 of the Code, please check the applicable exemption category below.

Total Property Area	Total Disturbed Area
24,591 square feet	25,886 square feet

Shade Trees Required	Shade Trees Proposed to be Planted
15	0

Fee in Lieu  
(Trees Required - Trees Planted) x \$250 = \$ 3,750

Required Number of Shade Trees	
Area (sq. ft.) of the Limits of Disturbance	Number of Shade Trees Required
FROM 1 TO 6,000	3
6,001 TO 8,000	6
8,001 TO 12,000	9
12,001 TO 14,000	12
14,001 TO 40,000	15

If the square footage of the limits of disturbance is more than 40,000, then the number of shade trees required must be calculated using the following formula:

$$(\text{Number of Square Feet in Limits of Disturbance} \div 40,000) \times 15$$

### EXEMPTION CATEGORIES:

- 55-5(a) any activity that is subject to Article II of Chapter 22A;
- 55-5(b) any commercial logging or timber harvesting operation with an approved exemption from Article II of Chapter 22A;
- 55-5(c) any activity conducted by the County Parks Department;
- 55-5(d) routine or emergency maintenance of an existing stormwater management facility, including an existing access road, if the person performing the maintenance has obtained all required permits;
- 55-5(e) any stream restoration project if the person performing the work has obtained all necessary permits;
- 55-5(f) cutting or clearing any tree to comply with applicable provisions of any federal, state, or local law governing safety of dams;
- OTHER: Specify per Section 55-5 of the Code TAKOMA PARK

### NOTES

- NO FLOODPLAINS EXIST ON THE PROPERTY PER FEMA MAP #24031C0480D
- NO WETLANDS EXIST ON-SITE
- NO STORMDRAIN WAS ENCOUNTERED IN SITE VICINITY DURING THE PREPARATION OF THE ALTAACSM LAND TITLE SURVEY PREPARED BY BOHLER ENGINEERING DATED JANUARY 09, 2015. THIS CONDITION WAS CONFIRMED BY THE CITY ENGINEER IN THE STORMWATER CONCEPT APPLICATION LETTER DATED MARCH 19, 2015.

### REFERENCES

- ALTAACSM LAND TITLE SURVEY: BOHLER ENGINEERING "18115 GEORGIA AVENUE ELECTION DISTRICT NO.8 MONTGOMERY COUNTY, MARYLAND" DATE: 12/10/14 REVISED: 01/08/15 PROJECT NO.: SB14200601
- GEOTECHNICAL REPORT: GEOTECHNICAL REPORT TITLED: "SUBSURFACE EXPLORATION, LABORATORY TESTING, AND GEOTECHNICAL ENGINEERING ANALYSES" PREPARED BY: ESC DATED: 10/02/14 REVISED: 5/01/15 PROJECT NO.: 02-7394-E

### DISTURBANCE ANALYSIS:

TOTAL DISTURBED AREA: 25,308 SF OR 0.58 AC.

VOLUME OF SPOIL MATERIAL: 250 CY  
VOLUME OF BORROW MATERIAL: 250 CY  
NET CUT/FILL: FILL - 0 CY

NOTE: VOLUMES ARE APPROXIMATE AND SHOULD NOT BE USED FOR BIDDING.

### SEDIMENT CONTROL/STORMWATER MANAGEMENT CERTIFICATIONS

CERTIFICATIONS ON THIS SHEET MUST BE ON EVERY SEDIMENT CONTROL/STORMWATER MANAGEMENT PLAN.

#### OWNER/DEVELOPER'S CERTIFICATION

We hereby certify that all clearing, grading, construction, and/or development will be done pursuant to this plan and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project.

Signature: *William C Lewis* Date: 12/9/15  
Printed Name and Title: William C Lewis, Owner Representative

#### DESIGN CERTIFICATION

I hereby certify that this plan has been prepared in accordance with the 1984 Maryland Standards and Specification for Soil Erosion and Sediment Control, Montgomery County Department of Permitting Services Executive Regulations 5-50, 7-02AM and 36-80, and Montgomery County Department of Public Works and Transportation "Storm Drain Design Criteria" dated August 1988.

Signature: *Matthew K Jones* Date: 1-20-2016  
Printed Name and Title: Matthew K. Jones, Associate  
Registration Number: 39999

#### CERTIFICATION OF THE QUANTITIES

I hereby certify that the estimated total amount of excavation and fill as shown on these plans has been computed to be 250 cubic yards of excavation and 250 cubic yards of fill and the total area to be disturbed as shown on these plans has been determined to be 25,308 square feet.

Signature: *Matthew K Jones* Date: 1-20-2016  
Printed Name and Title: Matthew K. Jones, Associate  
Registration Number: 39999

#### MISS UTILITY

Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work. The excavator must notify all utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.

#### MAINTENANCE CERTIFICATION ON PRIVATE LANDS

I/We hereby certify that I/we assume maintenance responsibilities for all stormwater management structures shown hereon. If maintenance responsibility is legally transferred, I/we agree to supply the Montgomery County Department of Environmental Protection with a copy of the document (signed by both parties) transferring said maintenance responsibility at that time.

Signature: *William C Lewis* Date: 12/9/15  
Printed Name and Title: William C Lewis, Check Representative

### RELATED REQUIRED PERMITS

To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Management plan set for all projects.

IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT

TYPE OF PERMIT	REQD	NOT REQD	PERMIT #	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS Floodplain District	X				
WATERWAYS/WETLAND(S):	X				
a. Corps of Engineers	X				
b. MDE	X				
c. MDE Water Quality Certification	X				
MDE Dam Safety	X				
DNR Roadside Tree Care Permit	X		2016-0206	Approval Date: 02/10/16	
DPS Roadside Tree Protection Plan	X		N/A	Approval Date:	
N.P.D.E.S. NOTICE OF INTENT	X		N/A		DATE FILED
OTHERS (Please List):					
CITY OF TAKOMA PARK ROW PERMIT	X		1605004		
SHA ACCESS PERMIT	X		15APM0039XX		
CITY OF TAKOMA PARK SWM APPROVAL	X		15-03-01		

### MCDPS APPROVED FOR:

TAKOMA PARK - NOTICED BY SWM  
Sediment Control Technical Requirements:

Reviewed: *Matthew K Jones* Date: 9-7-16

Approved: *Matthew K Jones* Date: 9-7-16

Administrative Requirements:  
Reviewed: *Matthew K Jones* Date: 9-7-16

281650  
SEDIMENT CONTROL PERMIT #

NOTE  
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL. IF THE PROJECT HAS NOT STARTED.

THIS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property without that property owner's permission. It does not release the design engineer or other responsible person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects upland or downland properties.

PROFESSIONAL CERTIFICATION  
MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 39999, EXPIRATION DATE: 9/15/2017

**BOHLER ENGINEERING**  
SITING, CIVIL AND CONSULTING ENGINEERING, ARCHITECTURE, LAND SURVEYING, TRANSPORTATION ARCHITECTURE, SUSTAINABLE DESIGN, PERMITTING SERVICES  
BALTIMORE, MD  
BOSTON, MA  
DALLAS, TX  
DENVER, CO  
HOUSTON, TX  
LOS ANGELES, CA  
NEW YORK, NY  
PHILADELPHIA, PA  
PORTLAND, OR  
SAN ANTONIO, TX  
WASHINGTON, DC  
WICHITA, KS

### REVISIONS

REV	DATE	COMMENT	BY
1	01/21/16	PER DPS COMMENTS	JDC
2	07/25/16	PER DPS COMMENTS	JDC
3	08/31/16	PER DPS COMMENTS	JDC

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO RETURN THE EARTH'S SURFACE ANYWHERE IN THE STATE OF MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE CALL: 811 (WV 1-800-245-4848) (PA 1-800-242-1778) (DC 1-800-257-7777) (VA 1-800-662-7071) (MD 1-800-257-7777) (DE 1-800-282-8659)

NOT APPROVED FOR CONSTRUCTION

PROJECT NO.: MB14200601  
DRAWN BY: ALJ  
CHECKED BY: BLF  
DATE: 08/13/16  
SCALE: AS SHOWN  
CADD I.D.: SCJ

TACO BELL TAKOMA PARK  
FOR MUY TACO BELL  
LOCATION OF SITE  
1300 HOLTON LANE  
TAKOMA PARK, MD 20912  
MONTGOMERY COUNTY  
LOTS 55 & 56  
GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**  
16701 MELFORD BLVD., SUITE 310  
BOWIE, MARYLAND 20715  
Phone: (301) 809-4500  
Fax: (301) 809-4501  
MD@BohlerEng.com

**M. K. JONES**  
PROFESSIONAL ENGINEER  
09-06-2016

SHEET TITLE: COVER SHEET  
SHEET NUMBER: SC-1 OF 4



**STANDARD EROSION AND SEDIMENT CONTROL NOTES**

- The permittee shall notify the Department of Permitting Services (DPS) forty-eight (48) hours before commencing any land disturbing activity and, unless waived by the Department, shall be required to hold a pre-construction meeting between them or their representative, their engineer and an authorized representative of the Department.
- The permittee must obtain inspection and approval by DPS at the following points:
  - At the required pre-construction meeting.
  - Following installation of sediment control measures and prior to any other land disturbing activity.
  - During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to construction is mandatory.
  - Prior to removal or modification of any sediment control structure(s).
  - Prior to final acceptance.
- The permittee shall contract all erosion and sediment control measures per the approved plan and construction sequence, shall have them inspected and approved by the Department prior to beginning any other land disturbing activities, shall ensure that all runoff from disturbed areas is directed to the sediment control devices, and shall not remove any erosion or sediment control measure without prior permission from the Department.
- The permittee shall protect all points of construction ingress and egress to prevent the deposition of materials onto traversed public thoroughfare(s). All materials deposited onto public thoroughfare(s) shall be removed immediately.
- The permittee shall inspect periodically and maintain continuously in effective operating condition, all erosion and sediment control measures until such time as they are removed with prior permission from the Department. The permittee is responsible for immediately repairing or replacing any sediment control measures which have been damaged or removed by the permittee or any other person.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:
  - Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1); and
  - Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.
 All areas disturbed outside of the perimeter sediment control system must be minimized and stabilized immediately. Maintenance must be performed as necessary to ensure continued stabilization.
- The permittee shall apply sod, seed, and anchored straw mulch, or other approved stabilization measures to all disturbed areas within seven (7) calendar days after stripping and grading activities have ceased on that area. Maintenance shall be performed as necessary to ensure continued stabilization. Active construction areas such as road or stockpile areas, roadway improvements, and areas within fifty (50) feet of a building under construction may be exempt from this requirement, provided that erosion and sediment control measures are installed and maintained to protect those areas.
- Prior to removal of sediment control measures, the permittee shall stabilize all contributory disturbed areas with required soil amendments and topsoil, using sod or an approved permanent seed mixture and an approved anchored mulch. Wood fiber mulch may only be used in seeding season when the slope does not exceed 10% and grading has been done to promote sheet flow drainage. Areas brought to finished grade during the seeding season shall be permanently stabilized within seven (7) calendar days of establishment. When property is brought to finished grade during the months of November through February, and permanent stabilization is found to be impractical, an approved temporary seed and straw anchored mulch shall be applied to disturbed areas. The final permanent stabilization of such property shall be completed prior to the following April 15.
- The site permit, work, materials, approved SCS/SM plans, and test reports shall be available at the site for inspection by duly authorized officials of Montgomery County.
- Surface drainage flows over unstabilized cut and fill slopes shall be controlled by either preventing drainage flows from traversing the slopes or by installing mechanical devices to lower the water down slope without causing erosion. Dikes shall be installed and maintained at the top of cut or fill slopes until the slope and drainage area to it are fully stabilized, at which time they must be removed and final grading done to promote sheet flow drainage. Mechanical devices must be provided at points of concentrated flow where erosion is likely to occur.
- Permanent swales or other points of concentrated water flow shall be stabilized within 3 calendar days of establishment with sod or seed with an approved erosion control matting or by other approved stabilization measures.
- Sediment control devices shall be removed, with permission of the Department, within thirty (30) calendar days following establishment of permanent stabilization in all contributory drainage areas. Stormwater management structures used temporarily for sediment control shall be converted to the permanent configuration within this time period as well.
- No permanent cut or fill slope with a gradient steeper than 3:1 will be permitted in lawn maintenance areas or on residential lots. A slope gradient of up to 2:1 will be permitted in non-maintenance areas provided that those areas are indicated on the erosion and sediment control plan with a low maintenance ground cover specified for permanent stabilization. Slope gradient steeper than 2:1 will not be permitted with vegetative stabilization.
- The permittee shall install a splashblock at the bottom of each downspout unless the downspout is connected by a drain line to an acceptable outlet.
- For finished grading, the permittee shall provide adequate gradients so as to prevent water from standing on the surface of lawns more than twenty-four (24) hours after the end of a rainfall, except in designated drainage courses and swale flow areas, which may drain as long as forty-eight (48) hours after the end of a rainfall.
- Sediment traps or basins are not permitted within 20 feet of a building which is existing or under construction. No building may be constructed within 20 feet of a sediment trap or basin.
- All inlets in non-sump areas shall have asphalt berms installed at the time of base paving establishment.
- The sediment control inspector has the option of requiring additional sediment control measures, as deemed necessary.
- All trap elevations are relative to the outlet elevation, which must be on existing undisturbed ground.
- Vegetative stabilization shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control.
- Sediment traps(basins) shall be cleaned out and restored to the original dimensions when sediment has accumulated to the point of one-half (1/2) the wet storage depth of the trap(basin) (1/4 the wet storage depth for ST III) or when required by the sediment control inspector.
- Sediment removed from trap(basins) shall be placed and stabilized in approved areas, but not within a floodplain.
- All sediment basins and traps must be surrounded with a welded wire safety fence. The fence must be at least 42 inches high, have posts spaced no farther apart than 8 feet, have mesh openings no greater than two inches in width and four inches in height, with a minimum of 14 gauge wire. Safety fence must be maintained in good condition at all times.
- No excavation in the areas of existing utilities is permitted unless their location has been determined. Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work.
- Off site spoil or borrow areas must have prior approval by DPS.
- Sediment trap(basin) dewatering for cleanout or repair may only be done with the DPS inspector's permission. The inspector must approve the dewatering method for each application. The following methods may be considered:
  - Pump discharge may be directed to another on site sediment trap or basin, provided it is of sufficient volume and the pump intake is floated to prevent agitation or suction of deposited sediments; or
  - the pump intake may utilize a Removable Pumping Station and must discharge into an undisturbed area through a non-erosive outlet; or
  - the pump intake may be floated and discharge into a Dirt Bag (12 oz. non-woven fabric), or approved equivalent, located in an undisturbed buffer area.

**Remember:** Dewatering operation and method must have prior approval by the DPS inspector.

27. The permittee must notify the Department of all utility construction activities within the permitted limits of disturbance prior to the commencement of those activities.

28. Topsoil must be applied to all previous areas within the limits of disturbance prior to permanent stabilization in accordance with MDE 'Standards and Specifications for Soil Preparation, Topsoiling, and Soil Amendments'.

**NOTE:**

- THE PROPERTY IS LOCATED IN OTHER AREAS ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER MAP ENTITLED "FIRM FLOOD INSURANCE RATE MAP, MONTGOMERY COUNTY, MARYLAND AND INCORPORATED AREAS, PANEL 450 OF 480," COMMUNITY PANEL NUMBER 240310480D, MAP EFFECTIVE DATE SEPTEMBER 29, 2006.
- NO WETLANDS EXIST ON-SITE.
- PROJECT SITE IS EXEMPT FROM ARTICLE II OF THE MONTGOMERY COUNTY CODE, CHAPTER 22A (FOREST CONSERVATION LAW), SECTION 22A-5(I) ACCORDING TO FOREST CONSERVATION EXEMPTION 4201522ZE.

**DISTURBANCE ANALYSIS:**

TOTAL DISTURBED AREA: 25,308 SF OR 0.58 AC.

VOLUME OF SPOIL MATERIAL: 250 CY  
 VOLUME OF BORROW MATERIAL: 250 CY  
 NET CUT/FILL: FILL - 0 CY

NOTE: VOLUMES ARE APPROXIMATE AND SHOULD NOT BE USED FOR BIDDING.

**SEQUENCE OF CONSTRUCTION**

- PHASE I
- PRIOR TO CLEARING TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRE-CONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCDPS) SEDIMENT CONTROL INSPECTOR (240) 777-8210 (48 HOURS NOTICE) AND THE MCDPS PLANNING DEPARTMENT, PLANS ENFORCEMENT INSPECTOR (301) 495-4571 (48 HOURS NOTICE), THE OWNERS REPRESENTATIVE, AND THE SITE ENGINEER.
  - THE LIMITS OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO CLEARING OF TREES, INSTALLATION OF SEDIMENT CONTROL MEASURES, CONSTRUCTION, OR OTHER LAND DISTURBING ACTIVITIES.
  - THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE MCDPS INSPECTOR, AND MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCDPS) SEDIMENT CONTROL INSPECTOR BEFORE CLEARING THE LIMITS OF DISTURBANCE AND TREE PROTECTION MEASURES ARE CORRECTLY MARKED AND INSTALLED PRIOR TO COMMENCING ANY CLEARING.
  - CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE, TREE PROTECTION FENCE, SUPER SILT FENCE, CURB INLET PROTECTION (AT CURB CUT) AND SILT FENCE ON PAVEMENT.
  - ONCE THE SEDIMENT CONTROL DEVICES ARE INSTALLED, THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE MCDPS INSPECTOR BEFORE PROCEEDING WITH ANY ADDITIONAL CLEARING, GRUBBING, OR GRADING.
  - UPON RECEIPT OF APPROVAL FROM THE INSPECTOR, COMPLETE DEMOLITION.

**SOILS LEGEND**

400\* URBAN LAND

\*NOTE: ALL SOILS ON SITE ARE URBAN LAND

LIMIT OF DISTURBANCE = 0.59 ± AC.

**GENERAL DEMOLITION NOTES:**

- THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
  - ALTA/ACSM LAND TITLE SURVEY: BOHLER ENGINEERING, 1815 GEORGIA AVENUE, ELECTION DISTRICT NO. 8, MONTGOMERY COUNTY, MARYLAND. DATE: 12/10/14. REVISED: 01/08/15. PROJECT NO.: SB14200601
- CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et seq.), AS AMENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.
- BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME.
- THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION ONLY REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR MUST ALSO REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVEMENTS.
- CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNS REGARDING THE APPLICABLE SAFETY STANDARDS, OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH BOHLER ENGINEERING, IN WRITING, AND RESPONDED TO BY BOHLER, IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.
- PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR:
  - OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES HAVING JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK AND DEMOLITION WORK.

**STANDARD SYMBOLS**

**LEGEND**

- STABILIZED CONSTRUCTION ENTRANCE (SCE)
- SILT FENCE ON PAVEMENT
- TREE PROTECTION FENCE
- STOCKPILE AREA
- CURB INLET PROTECTION

**BOHLER ENGINEERING**

SITE CIVIL AND CONSULTING ENGINEERING  
 LANDSCAPE ARCHITECTURE  
 PROGRAM MANAGEMENT  
 SUSTAINABLE DESIGN  
 PERMITTING SERVICES  
 TRANSPORTATION SERVICES  
 SURVEYING  
 CENTRAL MARYLAND  
 CHARLOTTE, NC  
 FALCON, NC

1600 NEW YORK AVENUE, SUITE 200, WASHINGTON, DC 20004  
 1600 NEW YORK AVENUE, SUITE 200, WASHINGTON, DC 20004  
 1600 NEW YORK AVENUE, SUITE 200, WASHINGTON, DC 20004

**REVISIONS**

REV	DATE	COMMENT	BY
1	01/21/16	PER DPS COMMENTS	JDC
2	07/25/16	PER DPS COMMENTS	JDC
3	08/31/16	PER DPS COMMENTS	JDC

**NOT APPROVED FOR CONSTRUCTION**

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EROSION CONTROL DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE: CALL: 1-800-245-4848 (VA) 1-800-242-1776 (DC) 1-800-257-7777 (VA) 1-800-452-7001 (MD) 1-800-257-7777 (DE) 1-800-282-8555

**PROJECT NO.:** MB14200601  
**DRAWN BY:** ALJ  
**CHECKED BY:** BLF  
**DATE:** 05/13/16  
**SCALE:** AS SHOWN  
**CAD I.D.:** SCJ

**TACO BELL TAKOMA PARK**

FOR MUY TACO BELL

LOCATION OF SITE  
 1300 HOLTON LANE  
 TAKOMA PARK, MD 20912  
 MONTGOMERY COUNTY  
 LOTS 55 & 56  
 GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**

16701 MELFORD BLVD., SUITE 310  
 BOWIE, MARYLAND 20715  
 Phone: (301) 805-4500  
 Fax: (301) 809-4501  
 MD@BohlerEng.com

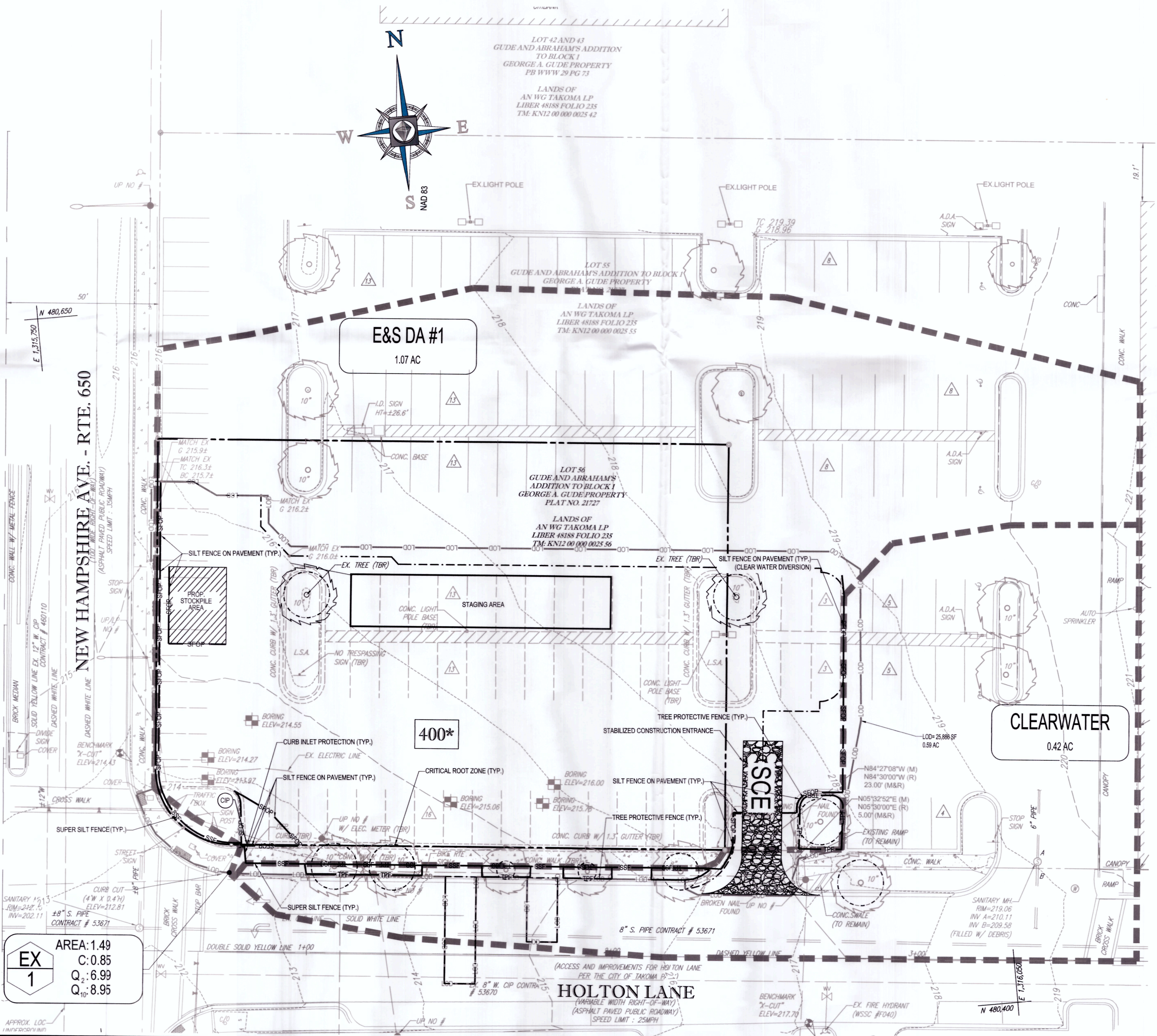
**M. K. JONES**

PROFESSIONAL ENGINEER

07-06-2016

**PHASE I - EROSION AND SEDIMENT CONTROL PLAN**

SHEET NUMBER: SC-2 OF 4

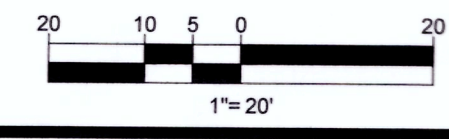


**GENERAL NOTE:**

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DIMENSIONS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPROPRIATE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

**PROFESSIONAL CERTIFICATION**

MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 39669, EXPIRATION DATE: 3/15/2017



**SOILS LEGEND**

400' URBAN LAND  
 \*NOTE: ALL SOILS ON SITE ARE URBAN LAND

LIMIT OF DISTURBANCE = 0.59 ± AC.

**SEQUENCE OF CONSTRUCTION**

- PHASE II
- EXCAVATE UNSUITABLE SOILS AND INSTALL ENGINEERED BACKFILL.
  - INSTALL BUILDING FOOTINGS.
  - BEGIN VERTICAL CONSTRUCTION OF BUILDING.
  - INSTALL WATER, SANITARY LINE, GAS AND ELECTRIC TO BUILDING CONNECTION POINTS.
  - INSTALL SILT FENCE, SUPER SILT FENCE, SILT FENCE ON PAVEMENT AND AT-GRADE INLET PROTECTION.
  - INSTALL CURBING, DRIVE-THRU AND PARKING AREAS.
  - INSTALL ACO TRENCH DRAIN, BEGIN DOWNSTREAM AND MOVE UPSTREAM. ESTABLISH AT-GRADE INLET PROTECTION AT CURB CUT. WRAP TRENCH DRAIN GRATE IN FILTER FABRIC UNTIL UPSTREAM CONTRIBUTING AREAS HAVE BEEN STABILIZED.
  - CONSTRUCT MICRO-BIORETENTION AREA. CONSTRUCT MICRO-BIORETENTION FACILITY BMP #1 AS SHOWN ON SWM SET APPROVED BY CITY OF TAKOMA PARK. BLOCK INLET TO MICROBIORETENTION 'A' UNTIL STORMWATER MANAGEMENT IS FULLY INSTALLED AND ALL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.
  - COMPLETE SITE GRADING.
  - ALL LANDSCAPE AREAS SHALL BE SEEDED, MULCHED AND/OR PLANTED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS.
  - COMPLETE LANDSCAPE INSTALLATION AND FINAL STABILIZATION.
  - OPEN INLET TO MICROBIORETENTION 'A' TO ACCEPT CONTRIBUTING DRAINAGE AREAS.
  - ONCE SITE IS STABILIZED, CALL MCDPS INSPECTOR AND UPON WRITTEN APPROVAL FROM THE INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES, AND STABILIZE AS NEEDED.
  - GENERAL CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SILT-LADEN RUNOFF LEAVING THE SITE. PERIMETER CONTROLS SHOULD BE CHECKED AND ADJUSTED AND REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION ON THE SITE. THE GENERAL CONTRACTOR MAY NEED TO ADJUST OR REPAIR MEASURES AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.

**GENERAL GRADING NOTES**

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE OR APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND, FURTHER, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SAME.
- THE CONTRACTOR MUST COMPLY TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.
- PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. CONTRACTOR MUST CONFIRM AND ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT (EXCEPT WHERE ADA REQUIREMENTS LIMIT GRADES); TO PREVENT PONDING. CONTRACTOR MUST IMMEDIATELY IDENTIFY, IN WRITING TO THE ENGINEER, ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY, HEALTH OR GENERAL WELFARE, OR PROJECT COST. IF CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER NOTIFICATION, MUST BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM SAME.
- CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.

**STANDARD SYMBOLS**

**LEGEND**

- STABILIZED CONSTRUCTION ENTRANCE (SCE)
- SILT FENCE ON PAVEMENT
- SILT FENCE
- SUPER SILT FENCE
- TREE PROTECTION FENCE
- RIP RAP INFLOW PROTECTION
- STOCKPILE AREA
- AT-GRADE INLET PROTECTION

**BOHLER ENGINEERING**

SITE CIVIL AND CONSULTING ENGINEERING  
 LANDSCAPE ARCHITECTURE  
 LAND SURVEYING  
 SUSTAINABLE DESIGN  
 PROGRAM MANAGEMENT  
 PERMITTING SERVICES

LANDSCAPE ARCHITECTURE  
 TRANSPORTATION SERVICES  
 SOUTH CAROLINA  
 NORTH CAROLINA  
 VIRGINIA  
 MARYLAND  
 PHILADELPHIA  
 PITTSBURGH  
 CHARLOTTE, NC  
 HOUSTON, TX  
 BOULDER, CO

**REVISIONS**

REV	DATE	COMMENT	BY
1	01/21/16	PER DPS COMMENTS	JDC
2	07/25/16	PER DPS COMMENTS	JDC
3	08/31/16	PER DPS COMMENTS	JDC

**NOT APPROVED FOR CONSTRUCTION**

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE CALL: 811 (VA 1-800-345-4848) (PA 1-800-242-1776) (DC 1-800-223-7777) (VA 1-800-552-7001) (MD 1-800-267-7777) (DE 1-800-282-8555)

**PROJECT No.:** MB14200601  
**DRAWN BY:** ALJ  
**CHECKED BY:** BLF  
**DATE:** 06/13/16  
**SCALE:** AS SHOWN  
**CAD I.D.:** SCO

**TACO BELL TAKOMA PARK**

FOR MUY TACO BELL

LOCATION OF SITE:  
 1300 HOLTON LANE  
 TAKOMA PARK, MD 20912  
 MONTGOMERY COUNTY  
 LOTS 55 & 56  
 GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**

16701 MELFORD BLVD, SUITE 310  
 BOWIE, MARYLAND 20715  
 Phone: (301) 809-4500  
 Fax: (301) 809-4501  
 MD@BohlerEng.com

**M. K. JONES**

PROFESSIONAL ENGINEER

09-06-2016

SHEET TITLE:  
**PHASE II - EROSION AND SEDIMENT CONTROL PLAN**

SHEET NUMBER:  
**SC-3**  
 OF 4

MCDPS APPROVED FOR:

Sediment Control Technical Requirements:

Reviewed: [Signature] 9.7.16 Date  
 Approved: [Signature] 9.7.16 Date

Administrative Requirements:

Reviewed: [Signature] 9.7.16 Date  
 281650  
 SEDIMENT CONTROL PERMIT #

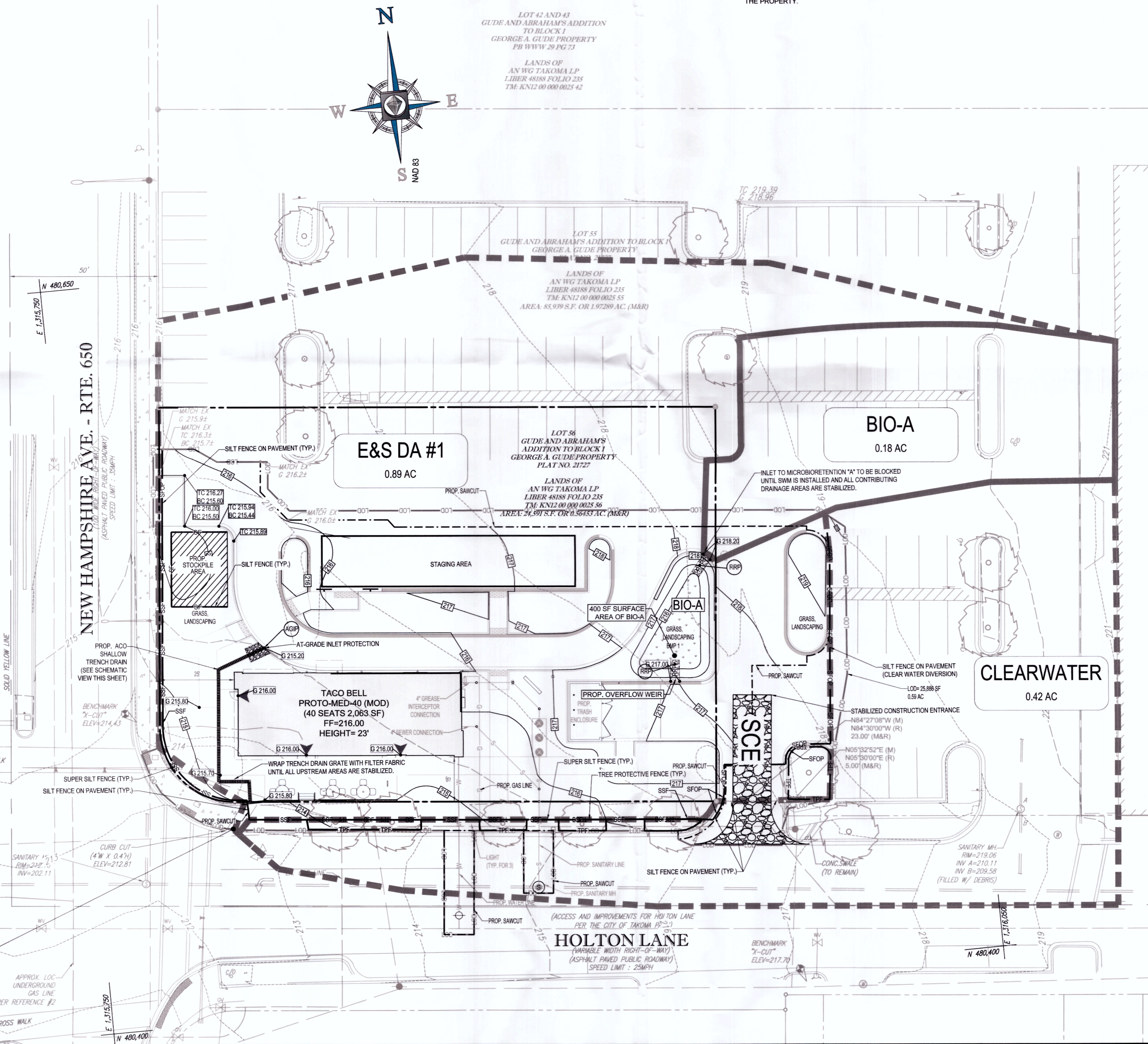
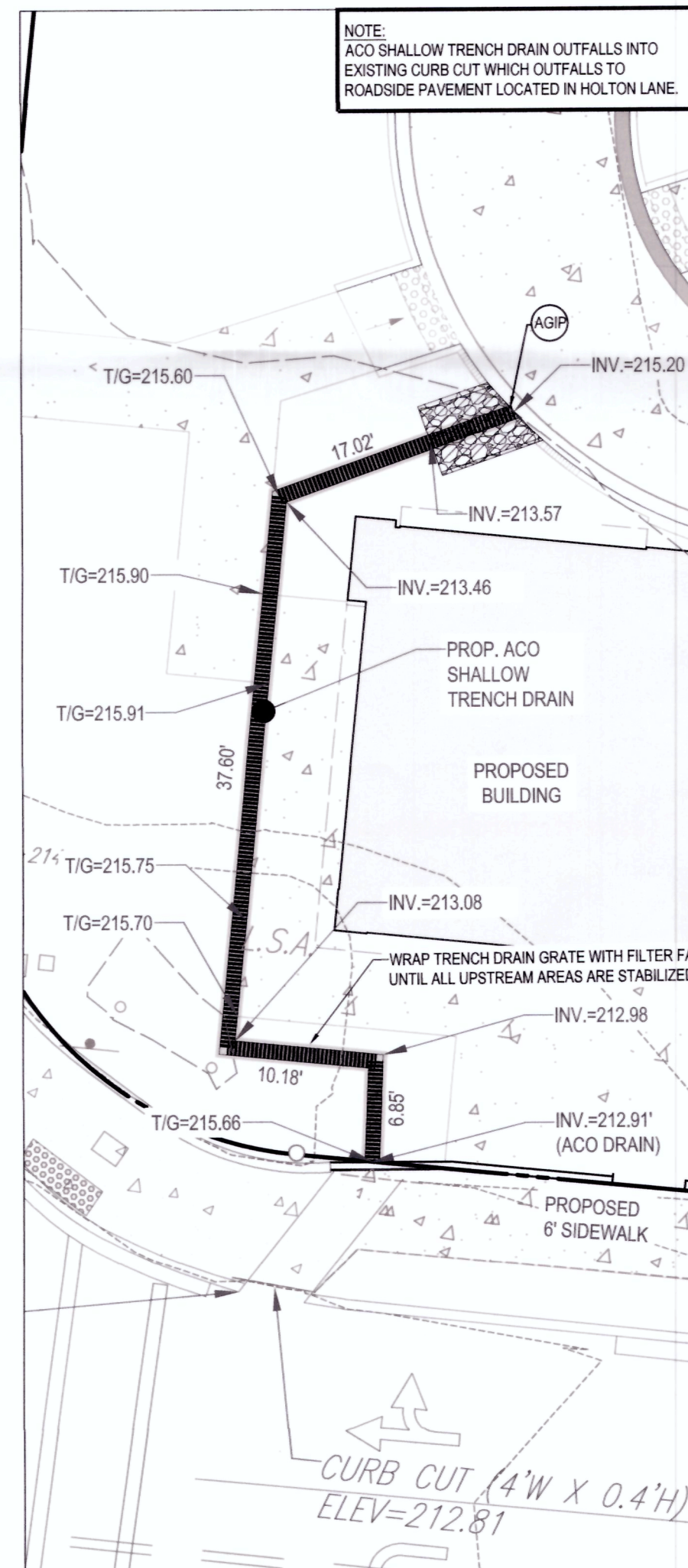
**NOTE**  
 MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL, IF THE PROJECT HAS NOT STARTED.

THIS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

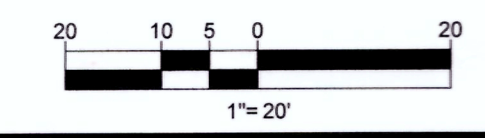
DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property without that property owner's permission. It does not relieve the design engineer or other responsible person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects uphill or downhill properties.

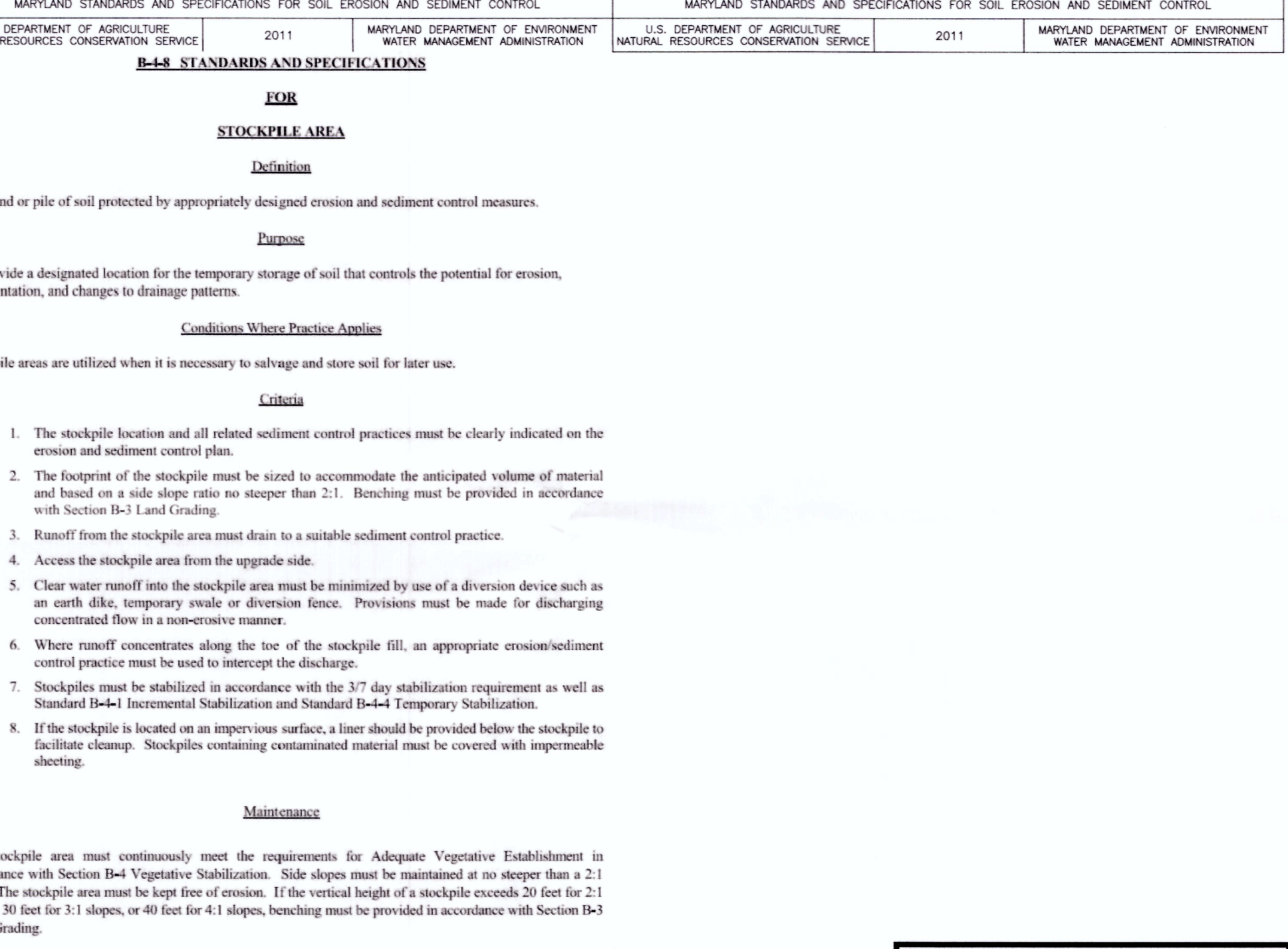
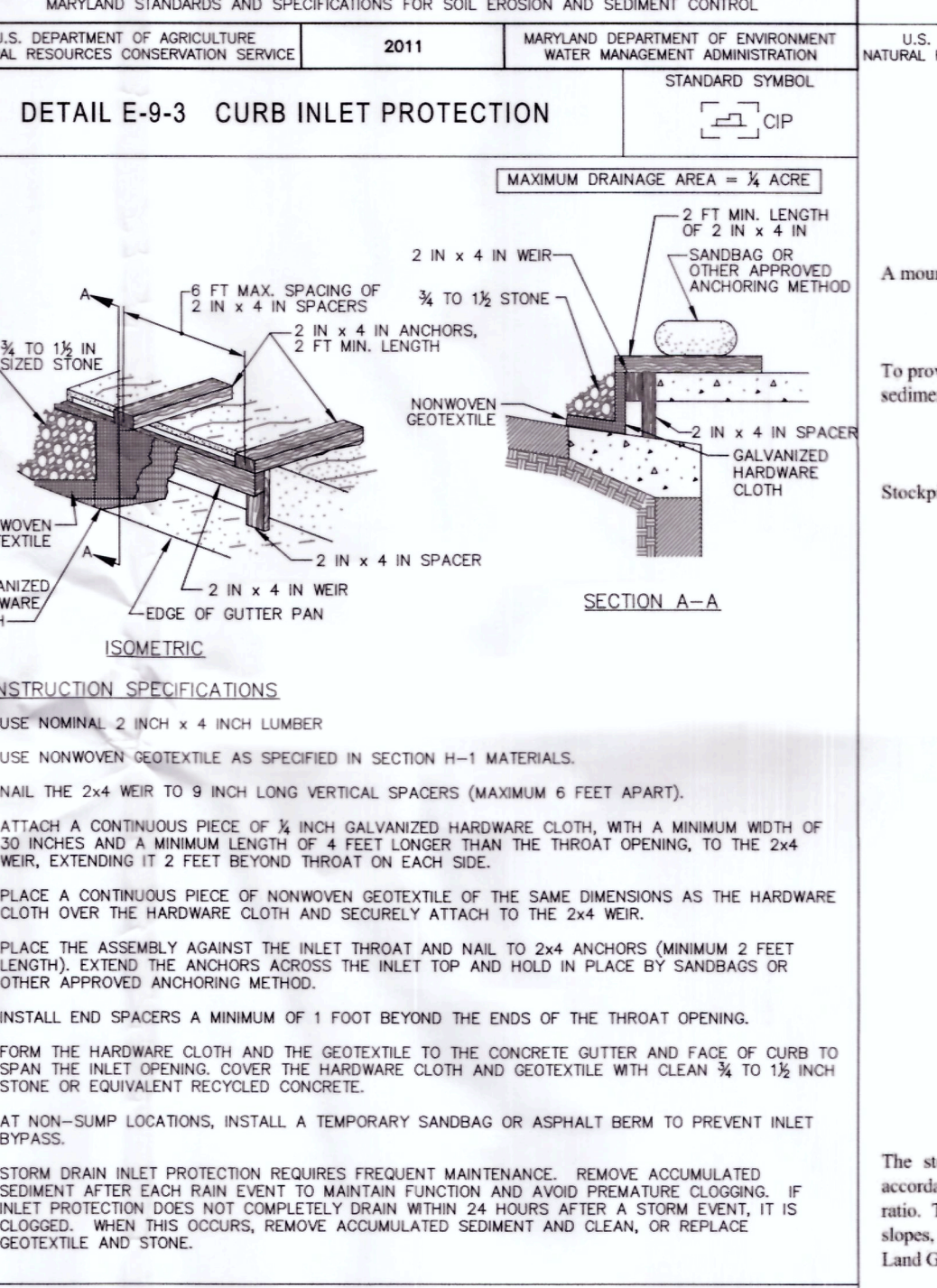
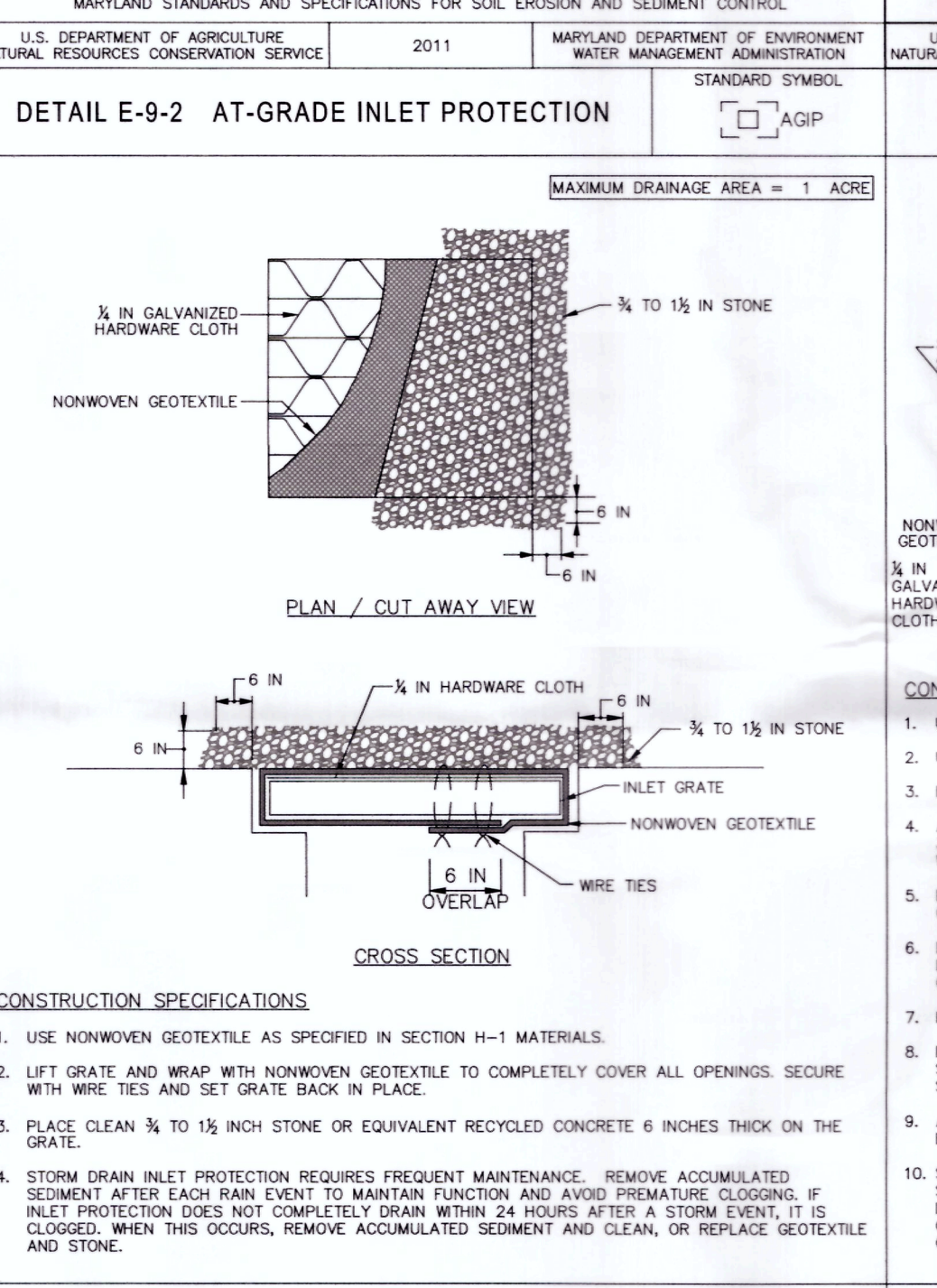
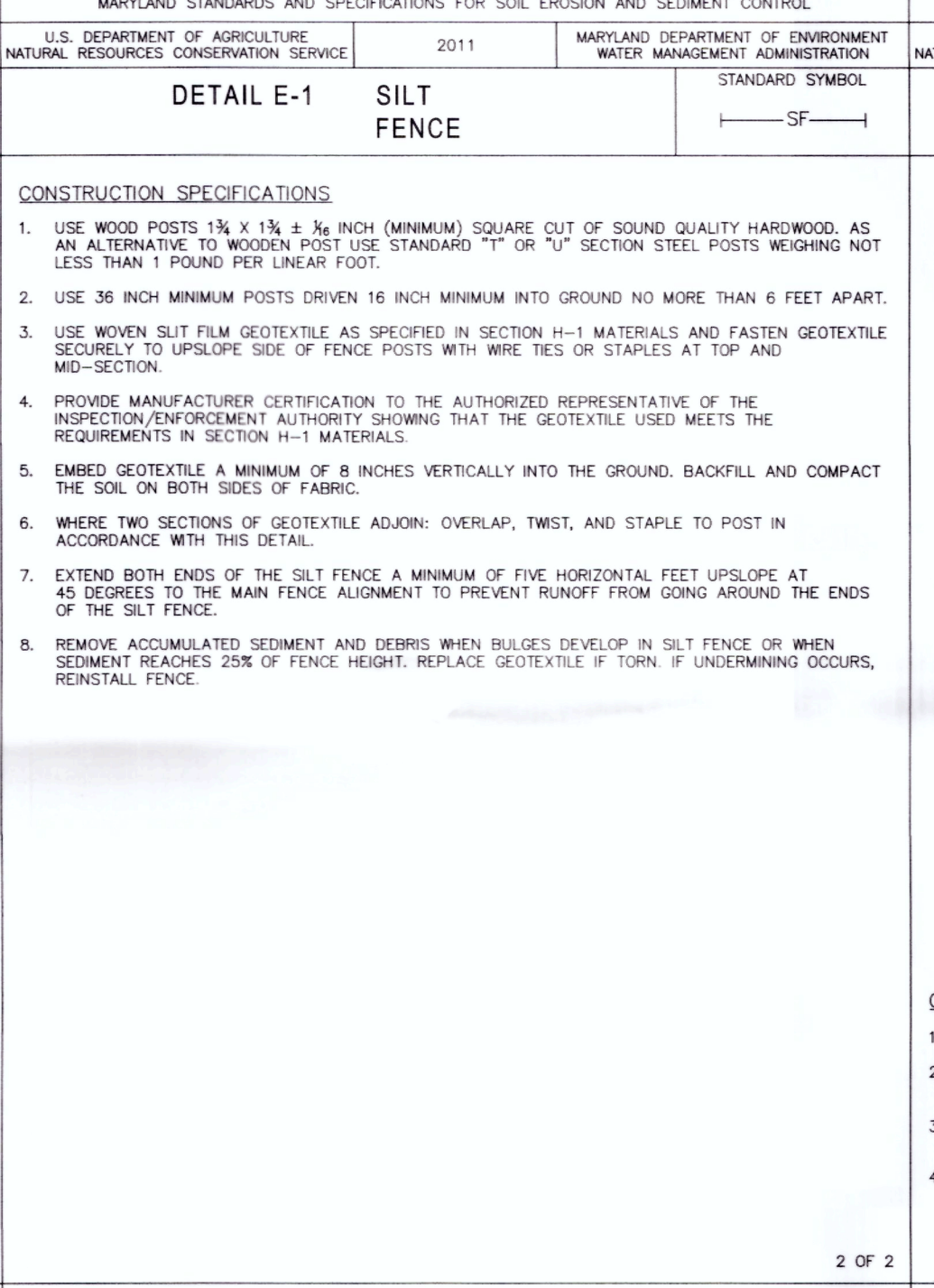
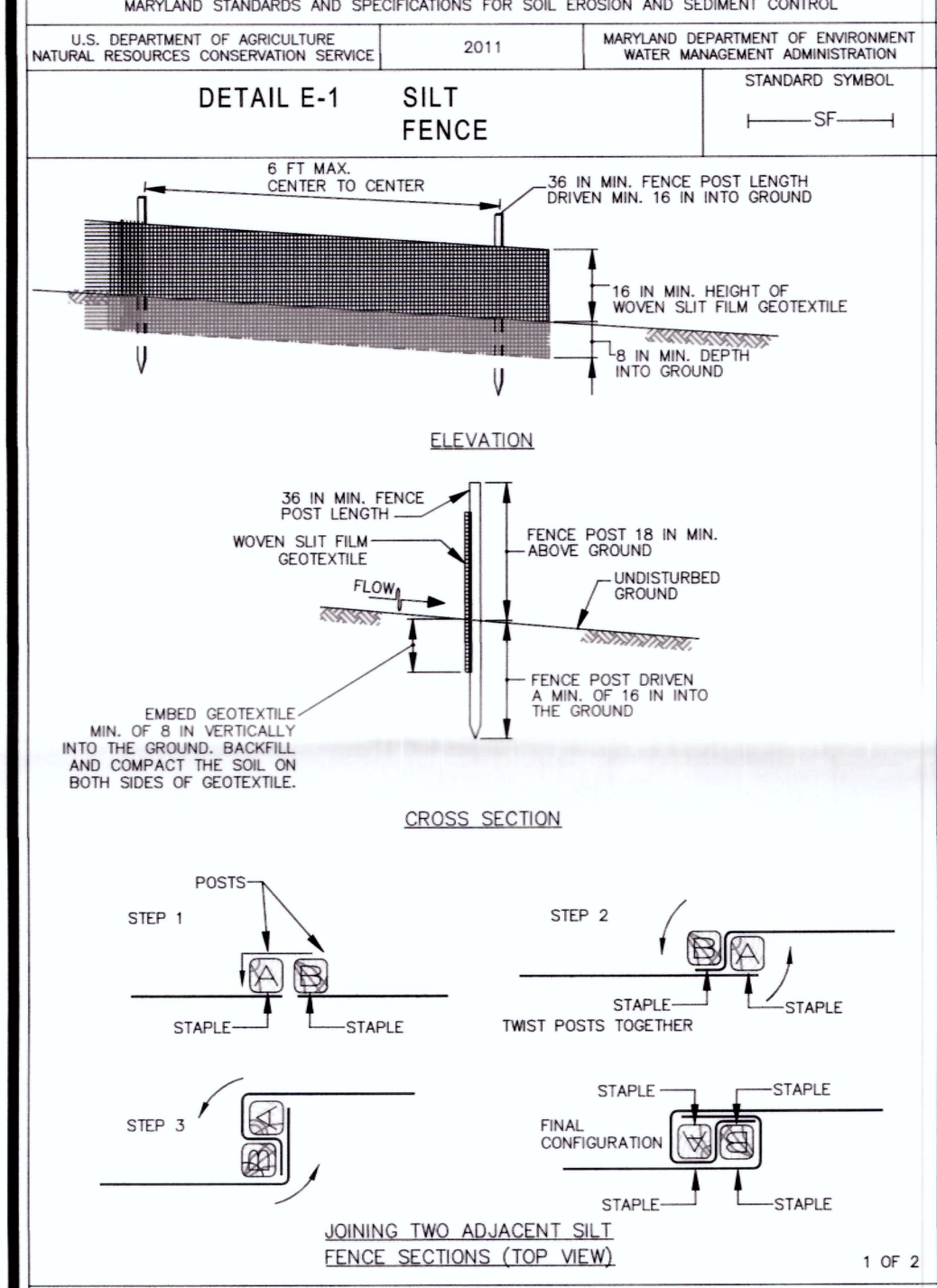
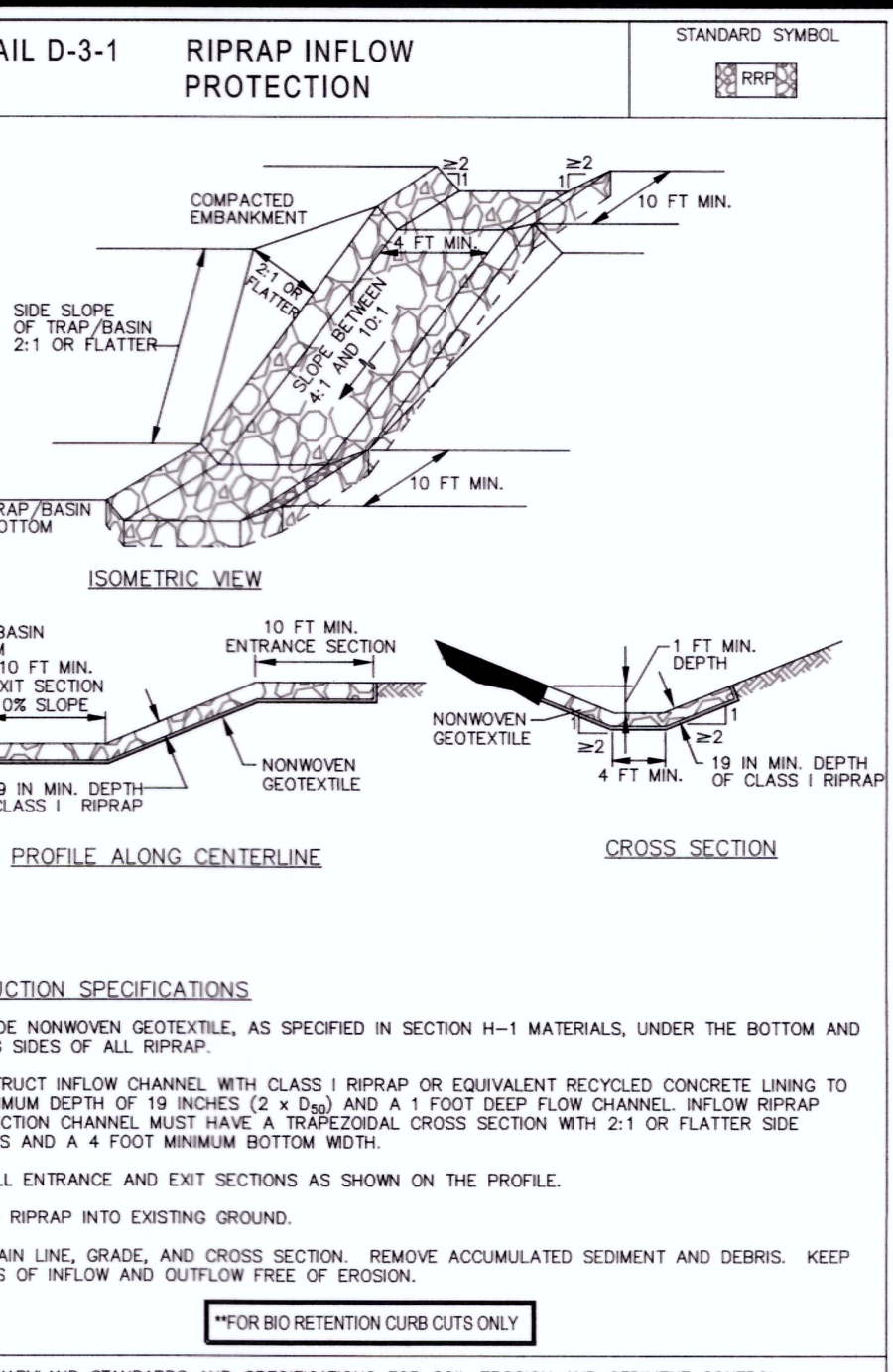
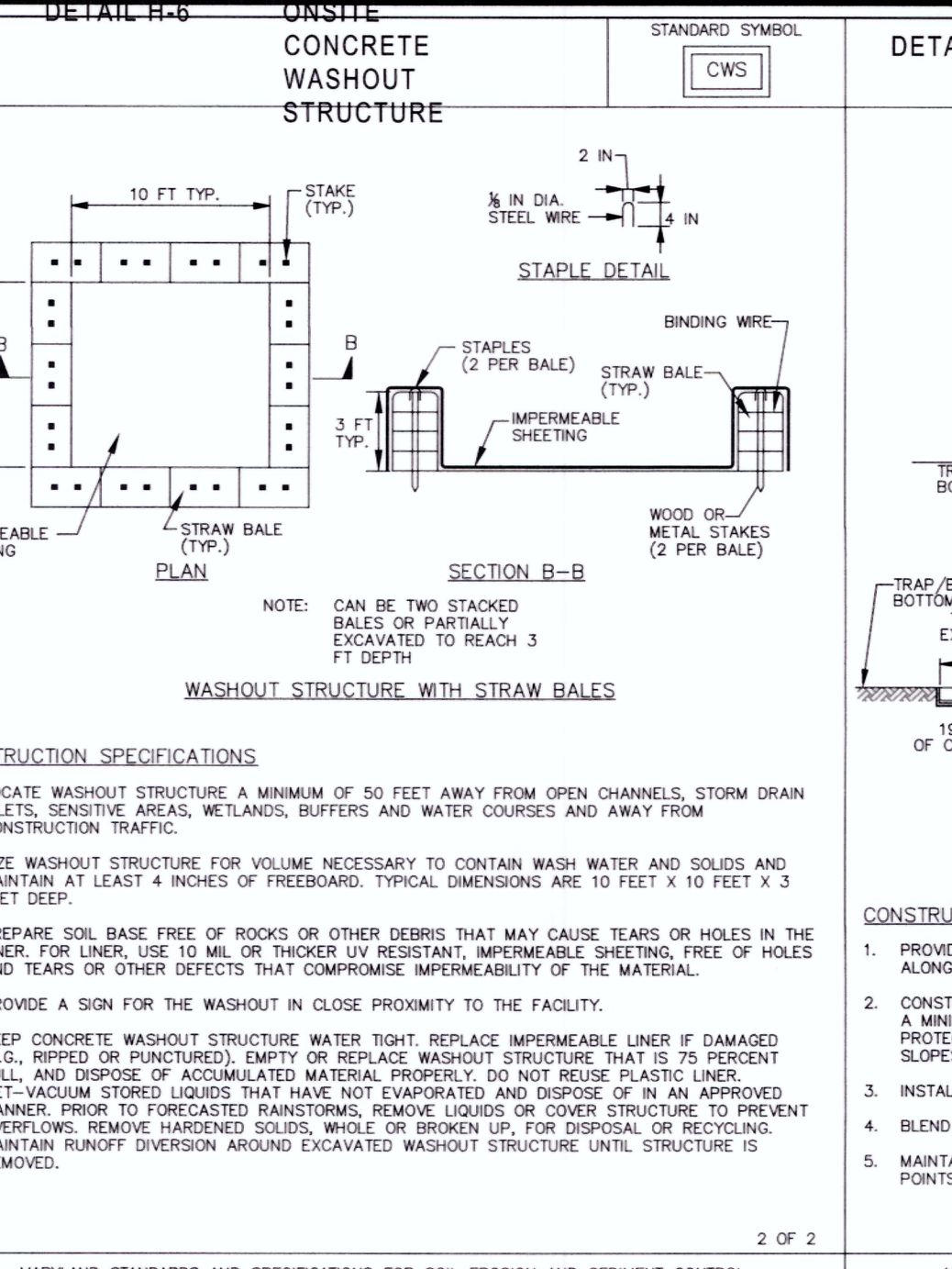
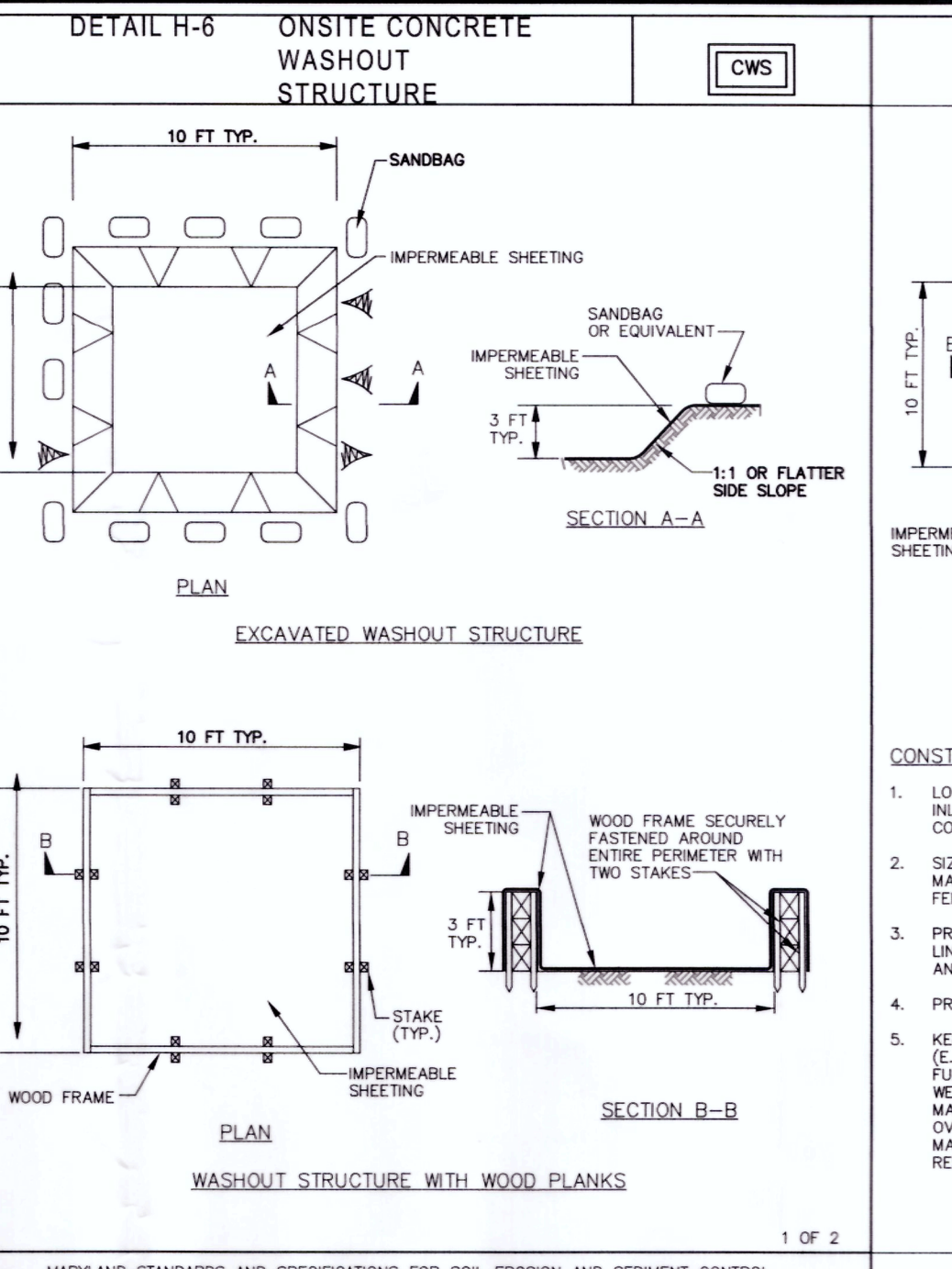
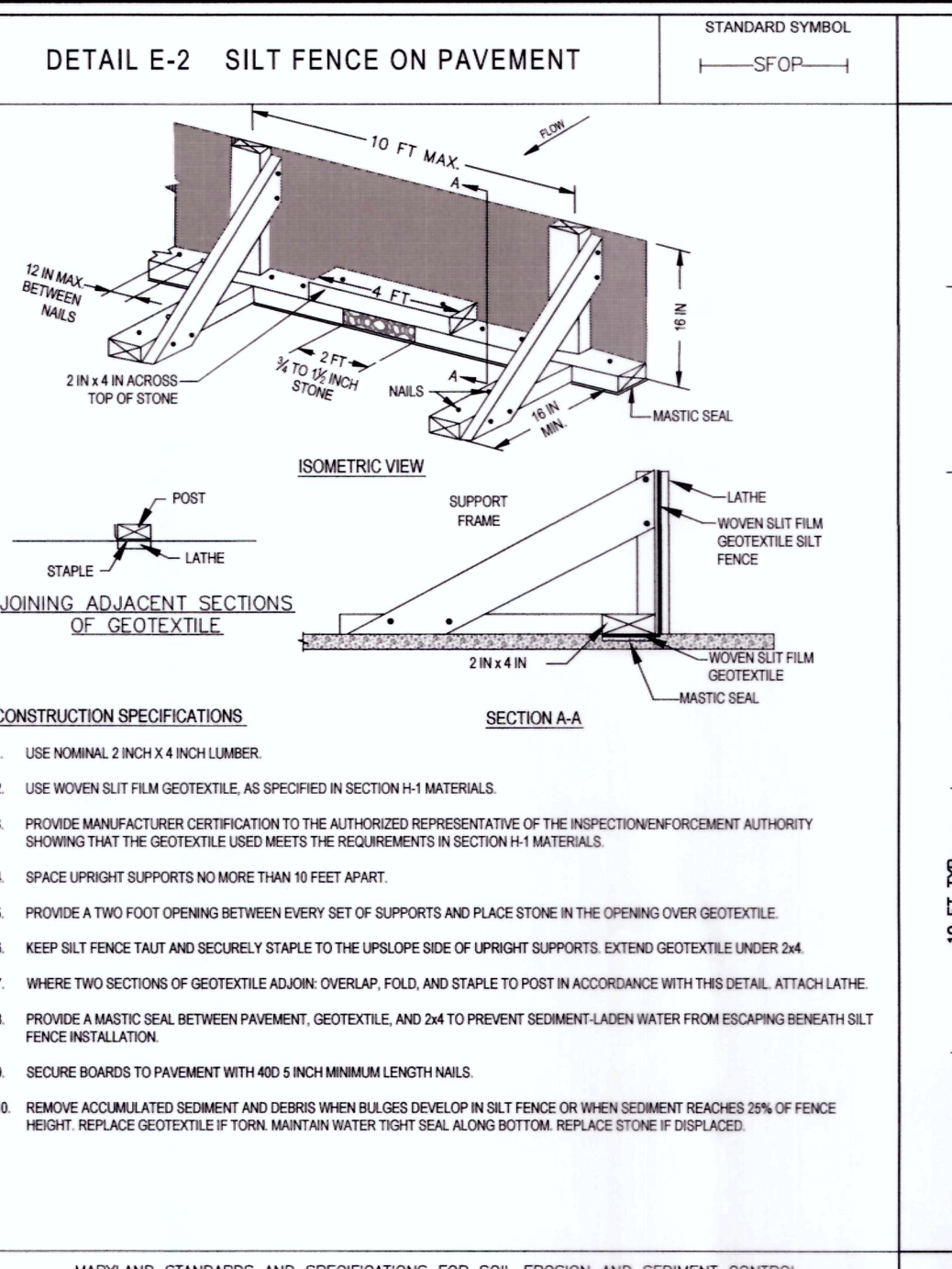
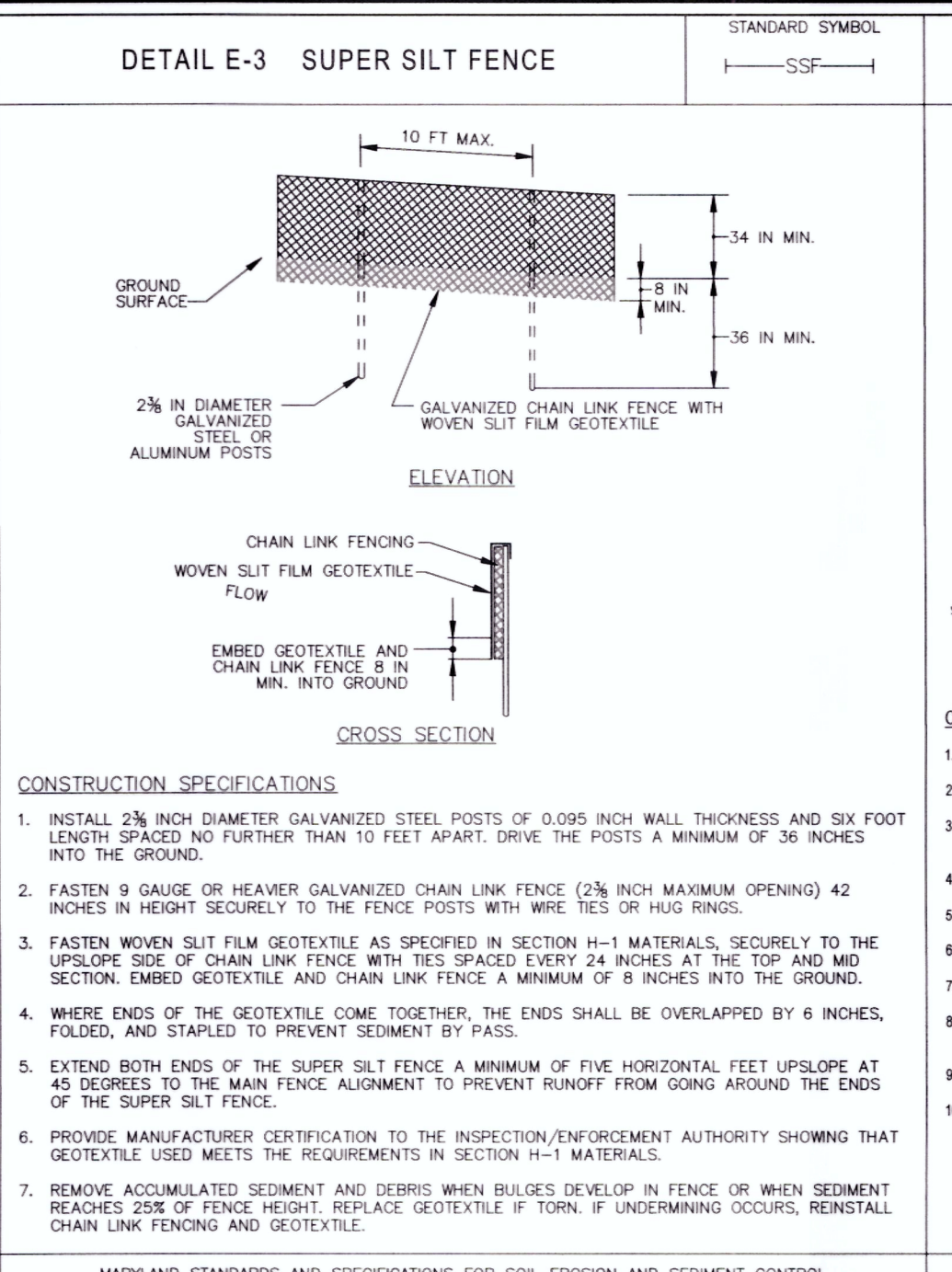
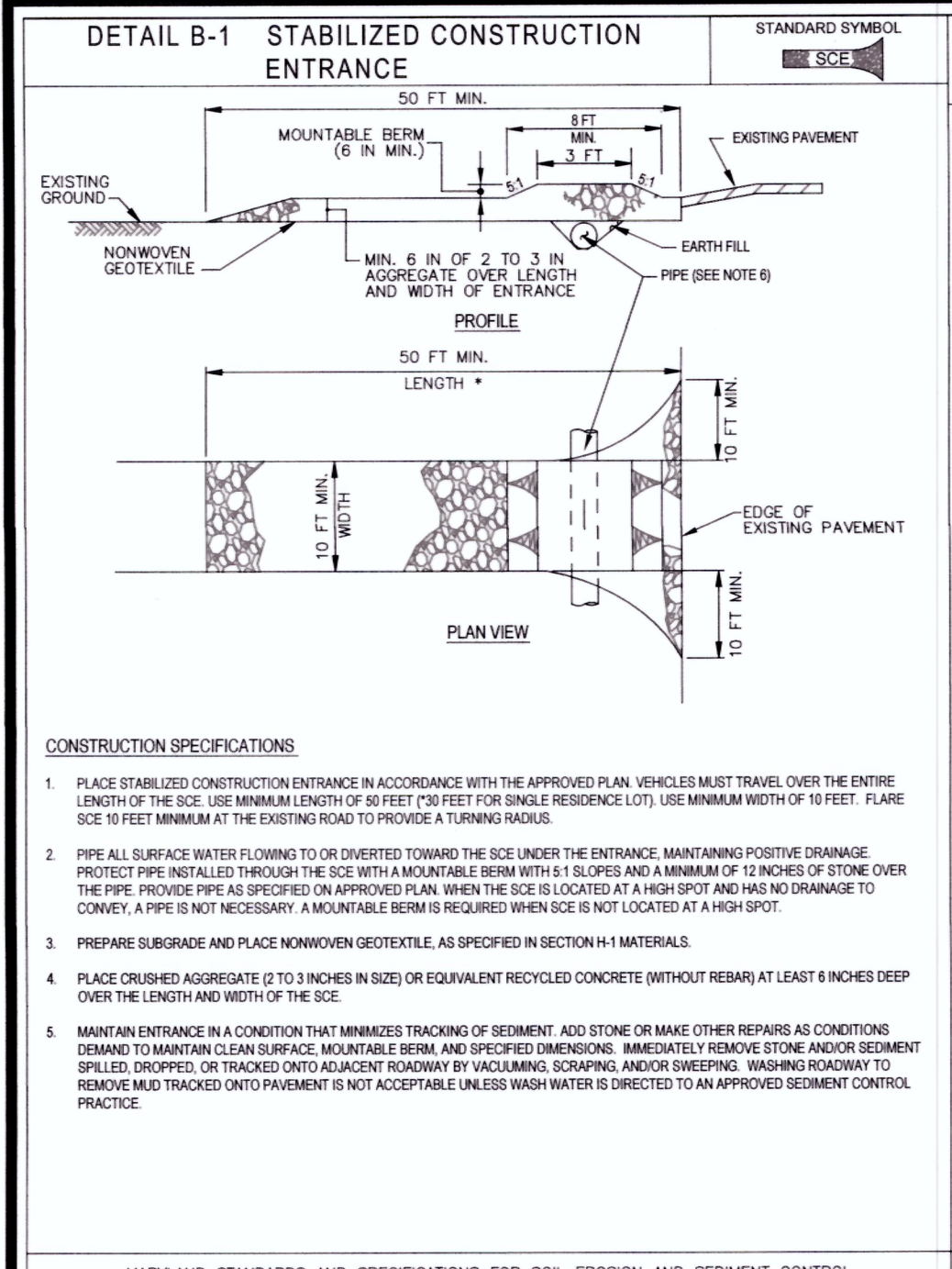
PROFESSIONAL CERTIFICATION:  
 I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 38996, EXPIRATION DATE: 3/15/2017.

NOTE: ACO SHALLOW TRENCH DRAIN OUTFALLS INTO EXISTING CURB CUT WHICH OUTFALLS TO ROADSIDE PAVEMENT LOCATED IN HOLTON LANE.



EXISTING STORE  
 7609 NEW HAMPSHIRE AVE.  
 TAKOMA PARK, MD 20912





MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

**GENERAL NOTE**  
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK BEFORE THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL CODES.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MCDPS APPROVED FOR:

Sediment Control Technical Requirements:

Reviewed: *[Signature]* 9.7.16 Date

Approved: *[Signature]* 9.7.16 Date

Administrative Requirements:

Reviewed: *[Signature]* 9.7.16 Date

281650 SEDIMENT CONTROL PERMIT #

NOTE  
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL, IF THE PROJECT HAS NOT STARTED.

THIS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property without that property owner's permission. It does not relieve the design engineer or other responsible person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects uphill or downhill properties.

PROFESSIONAL CERTIFICATION  
I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36996, EXPIRATION DATE: 3/31/2017.

# BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING  
LANDSCAPE ARCHITECTURE  
PROGRAM MANAGEMENT  
PERMITTING SERVICES

OFFICES:  
BALTIMORE, MARYLAND  
SOUTHERN MARYLAND  
NEW YORK, NEW YORK  
PHILADELPHIA, PENNSYLVANIA  
SOUTH EASTERN PA  
HOUSTON, TEXAS

REVISIONS			
REV	DATE	COMMENT	BY
1	01/21/16	PER DPS COMMENTS	JDC
2	07/25/16	PER DPS COMMENTS	JDC
3	08/31/16	PER DPS COMMENTS	JDC

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE CALL: 811 (WV 1-800-245-4648) (PA 1-800-242-3776) (DC 1-800-257-7777) (VA 1-800-552-7070) (MD 1-800-257-7777) (1-800-285-8555)

**NOT APPROVED FOR CONSTRUCTION**

PROJECT No.: MB14200901  
DRAWN BY: ALJ  
CHECKED BY: BLF  
DATE: 06/15/16  
SCALE: AS SHOWN  
CAD ID: SCJ

PROJECT: TACO BELL TAKOMA PARK

FOR MUY TACO BELL

LOCATION OF SITE: 1300 HOLTON LANE TAKOMA PARK, MD 20912 MONTGOMERY COUNTY LOTS 55 & 56 GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**

16701 MELFORD BLVD., SUITE 310 BOWIE, MARYLAND 20715  
Phone: (301) 809-4500 Fax: (301) 809-4501  
MD@BohlerEng.com

**M. K. JONES**

PROFESSIONAL ENGINEER

07-06-2016

SHEET TITLE: SEDIMENT CONTROL DETAILS

SHEET NUMBER: SC-4 OF 4









**MONTGOMERY PLANNING DEPARTMENT**  
 THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION  
 Certified Site Plan - 820150150  
**APPROVAL**  
*Robert K. Jones* 05/12/16

**STANDARD ABBREVIATIONS**

FOR ENTIRE PLAN SET			
AC	ACRES	LOD	LIMITS OF DISTURBANCE
ADA	AMERICANS WITH DISABILITY ACT	LOS	LINE OF SIGHT
ARCH	ARCHITECTURAL	LP	LOW POINT
BC	BOTTOM OF CURB	L/S	LANDSCAPE
BF	BASEMENT FLOOR	MAX	MAXIMUM
BK	BLOCK	MIN	MINIMUM
BL	BASELINE	MH	MANHOLE
BLDG	BUILDING	MJ	MECHANICAL JOINT
BM	BUILDING BENCHMARK	OC	ON CENTER
BRL	BUILDING RESTRICTION LINE	PA	POINT OF ANALYSIS
CF	CUBIC FEET	PC	POINT CURVATURE
CL	CENTERLINE	PCCR	POINT OF COMPOUND CURVATURE, CURB RETURN
CMP	CORRUGATED METAL PIPE	PI	POINT OF INTERSECTION
CONN	CONNECTION	POG	POINT OF GRADE
CONC	CONCRETE	PROP	PROPOSED
CMP	CORRUGATED PLASTIC PIPE	PT	POINT OF TANGENCY
CY	CUBIC YARDS	PTCR	POINT OF TANGENCY, CURB RETURN
DEC	DECORATIVE	PVC	POLYVINYL CHLORIDE PIPE
DAP	DEPRESSED	PVI	POINT OF VERTICAL INTERSECTION
DIP	DUCTILE IRON PIPE	PVT	POINT OF VERTICAL TANGENCY
DOM	DOMESTIC	R	RADIUS
ELEC	ELECTRIC	RCP	REINFORCED CONCRETE PIPE
ELEV	ELEVATION	RET WALL	RETAINING WALL
EP	EDGE OF PAVEMENT	RW	RIGHT OF WAY
ES	EDGE OF SHOULDER	S	SLOPE
EW	END WALL	SAN	SANITARY SEWER
EX	EXISTING	SF	SQUARE FEET
FES	FLARED END SECTION	STA	STATION
FFE	FINISHED FLOOR	STM	STORM
FH	FIRE HYDRANT	TBR	TO BE REMOVED
FG	FINISHED GRADE	TBR	TO BE RELOCATED
G	GRADE	TC	TOP OF CURB
GF	GARAGE FLOOR (AT DOOR)	TELE	TELEPHONE
GH	GRADE HIGHER SIDE OF WALL	TPF	TREE PROTECTION FENCE
GL	GRADE LOWER SIDE OF WALL	TW	TOP OF WALL
GRT	GRATE	TYP	TYPICAL
GV	GATE VALVE	UG	UNDERGROUND
HDPE	HIGH DENSITY POLYETHYLENE PIPE	UP	UTILITY POLE
HP	HIGH POINT	W	WIDE
HOR	HORIZONTAL	WL	WATER LINE
HW	HEADWALL	WM	WATER METER
INT	INTERSECTION	±	PLUS OR MINUS
INV	INVERT	°	DEGREE
LF	LINEAR FOOT	Ø	DIAMETER
LOC	LIMITS OF CLEARING	#	NUMBER

**STANDARD DRAWING LEGEND**

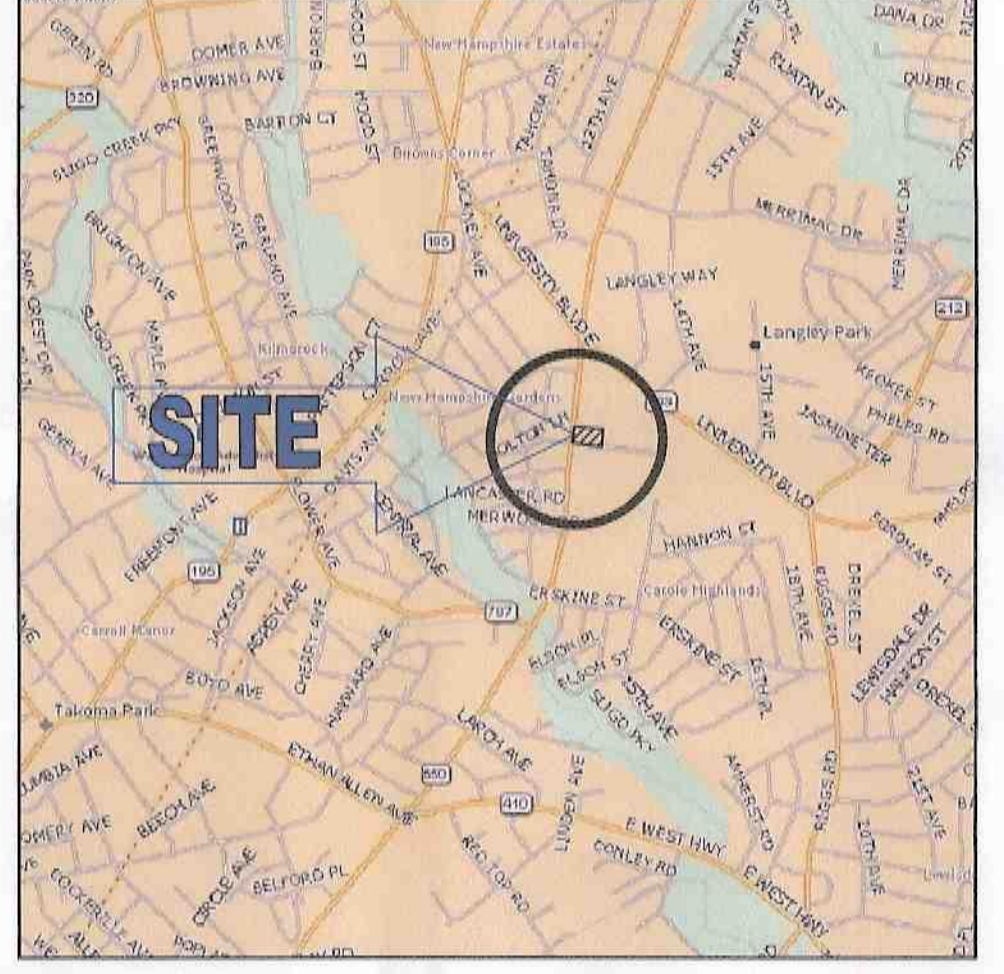
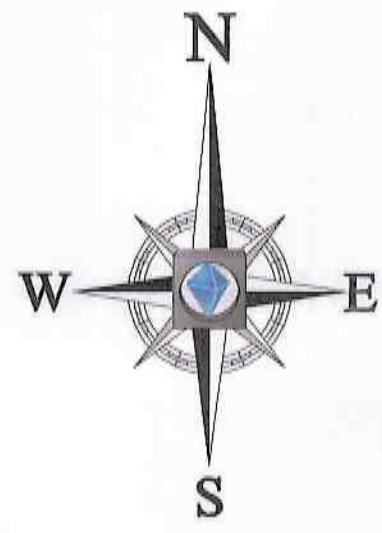
FOR ENTIRE PLAN SET (NOT TO SCALE)		
EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
---	ONSITE PROPERTY LINE / R.O.W. LINE	---
---	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE	---
---	EASEMENT LINE	---
---	SETBACK LINE	---
---	ZONING LINE	---
---	CONCRETE CURB & GUTTER	---
---	UTILITY POLE WITH LIGHT	---
---	POLE LIGHT	---
---	TRAFFIC LIGHT	---
---	UTILITY POLE	---
---	TYPICAL LIGHT	---
---	ACORN LIGHT	---
---	TYPICAL SIGN	---
---	PARKING COUNTS	---
---	CONTOUR LINE	---
---	SPOT ELEVATIONS	---
---	SANITARY LABEL	---
---	STORM LABEL	---
---	SANITARY SEWER LATERAL	---
---	UNDERGROUND WATER LINE	---
---	UNDERGROUND ELECTRIC LINE	---
---	UNDERGROUND GAS LINE	---
---	OVERHEAD WIRE	---
---	UNDERGROUND TELEPHONE LINE	---
---	UNDERGROUND CABLE LINE	---
---	STORM SEWER	---
---	SANITARY SEWER MAIN	---
---	HYDRANT	---
---	SANITARY MANHOLE	---
---	STORM MANHOLE	---
---	WATER METER	---
---	WATER VALVE	---
---	GAS VALVE	---
---	GAS METER	---
---	TYPICAL END SECTION	---
---	HEADWALL OR ENDWALL	---
---	YARD INLET	---
---	CURB INLET	---
---	CLEAN OUT	---
---	ELECTRIC MANHOLE	---
---	TELEPHONE MANHOLE	---
---	ELECTRIC BOX	---
---	ELECTRIC PEDESTAL	---
---	MONITORING WELL	---
---	TEST PIT	---
---	BENCHMARK	---
---	BORING	---
---	PROP. TRANSFORMER	---
---	PUBLIC OPEN SPACE	---

# TACO BELL, TAKOMA PARK

## SITE PLAN

### MNCPPC # 820150150

**LOCATION OF SITE**  
 NEW HAMPSHIRE AVE  
 AND HOLTON AVE  
 TAKOMA PARK, MD 20912  
 ELECTION DISTRICT NO. 18  
 MONTGOMERY COUNTY  
 WSSC GRID: 209NE02



**LOCATION MAP**  
 COPYRIGHT 2003  
 DELORME STREET ATLAS 2004 PLUS USA  
 SCALE: 1"=2000'

**OWNER**  
 JBG/TAKOMA RETAIL CENTER, L.L.C.  
 4445 WILLARD AVE., SUITE 400  
 CHEVY CHASE, MD 20815  
 PHONE: 301-657-0700  
 CONTACT: CARTER DAVIS

**DEVELOPER/APPLICANT**  
 RJP CONSULTING GROUP  
 100 East Lancaster Avenue, Suite 200  
 DOWNTOWN, PA 19335  
 PHONE: 610-518-2930  
 CONTACT: WILL LEWIS

**CIVIL ENGINEER**  
 BOHLER ENGINEERING  
 16701 MELFORD BOULEVARD, SUITE 310  
 BOWIE, MD 20715  
 PHONE: (301) 809-4500  
 CONTACT: BRADFORD FOX

**GEOTECHNICAL ENGINEER**  
 ECS MID-ATLANTIC, LLC  
 1340 CHARWOOD ROAD, SUITE A  
 HANOVER, MD 21076  
 PHONE: (410) 899-4300  
 CONTACT: ZACHARY ADCOCK

**ARCHITECT**  
 GLMV ARCHITECTURE  
 1525 E. DOUGLAS  
 WICHITA, KS 67211  
 PHONE: 616-265-2867  
 CONTACT: CARMEN ONKEN

**REFERENCES**  
 ALTA/ACSM LAND TITLE SURVEY:  
 BOHLER ENGINEERING  
 \*18115 GEORGIA AVENUE  
 ELECTION DISTRICT NO. 8  
 MONTGOMERY COUNTY, MARYLAND\*  
 DATE: 12/10/14  
 REVISED: 01/08/15  
 PROJECT NO.: SB14200601

**UTILITIES**  
 VERIZON - LAMBERT CABLE:  
 PHONE: (301) 210-0355  
 WSSC - PINPOINT UG:  
 PHONE: (301) 868-6803  
 COLONIAL PIPELINE:  
 PHONE: (678) 762-2403  
 WASHINGTON GAS - UTILIQUEST:  
 PHONE: (301) 210-0355  
 PEPCO/UTILIQUEST:  
 PHONE: (301) 210-0355  
 COMCAST - UTILIQUEST:  
 PHONE: (410) 536-0070  
 FIBERLIGHT/SUNBELT TELECO:  
 PHONE: (727) 596-1500  
 CITY OF TAKOMA PARK:  
 PHONE: (301) 691-7615

**SHEET INDEX**

SHEET TITLE	SHEET NUMBER
COVER SHEET	C-1
RESOLUTIONS AND PLAN CONDITIONS	C-2
SITE PLAN	C-4
SITE DETAILS	C-5
<b>LANDSCAPE</b>	
LANDSCAPE PLAN	LS-1
LANDSCAPE PLAN	LS-2
<b>LIGHTING</b>	
LIGHTING PLAN	LT-1
<b>ARCHITECTURAL</b>	
EXTERIOR ELEVATIONS	A4.0
EXTERIOR ELEVATIONS	A4.1

**DEVELOPMENT PROGRAM TABLE**

DEADLINE	TASK
BEFORE ISSUANCE OF FIRST BUILDING PERMIT	CERTIFICATION FROM A QUALIFIED PROFESSIONAL THAT THE LIGHTING PLANS CONFORM TO THE IESNA STANDARDS (CONDITION #11A, SP)  SITE PLAN SURETY AND MAINTENANCE AGREEMENT INCLUDING PERFORMANCE BOND OR OTHER FORM OF SURETY IN ACCORDANCE WITH SECTION 58.7.3.4 K.4 OF THE MONTGOMERY COUNTY ZONING ORDINANCE (CONDITION #12, SP)
PHASING OF STORMWATER MANAGEMENT AND SEDIMENT AND EROSION CONTROL	CITY OF TAKOMA PARK CITY ARBORIST MUST INSPECT ALL TREE-SAVE AREAS AND PROTECTION DEVICES PRIOR TO CLEARING AND GRADING. (CONDITION #10D, SP)  PHASE I - INSTALL SEDIMENT CONTROL DEVICES AND CONSTRUCTION ENTRANCE. PHASE II - COMPLETE BUILDING CONSTRUCTION, SITE WORK AND INSTALLATION OF ON-SITE LANDSCAPING AND LIGHTING.  DPS IS THE AUTHORITY ON SEDIMENT CONTROL AND CITY OF TAKOMA PARK CITY ENGINEER IS THE AUTHORITY OF SWM, AND THE ASSOCIATED PHASING MAY CHANGE AT THEIR DISCRETION (PROVIDED THAT THE CHANGES DO NOT CONFLICT WITH CONDITIONS OF APPROVAL FOR THE SITE PLAN).
BEFORE FINAL USE AND OCCUPANCY CERTIFICATE	STREET LAMPS AND SIDEWALKS MUST BE INSTALLED BEFORE RELEASE OF ANY RESIDENTIAL/COMMERCIAL DEVELOPMENT USE AND OCCUPANCY CERTIFICATE FOR THE BUILDING. LANDSCAPE PLANTING MAY WAIT NO LATER THAN THE NEXT GROWING SEASON AFTER COMPLETION OF THE SITE WORK.  ON-SITE AMENITIES INCLUDING, BUT NOT LIMITED TO, PAVING, SIDEWALKS/PEDESTRIAN PATHWAYS, HARDSCAPE, BENCHES, TRASH RECEPTACLES, BICYCLE FACILITIES AND PUBLIC OPEN SPACE AMENITIES MUST BE INSTALLED.  ALL PUBLIC OPEN SPACE AREAS ON THE SUBJECT PROPERTY MUST BE COMPLETED. (CONDITION #18, SP)  APPLICANT MUST MAKE A TRANSPORTATION POLICY AREA REVIEW (TPAR) MITIGATION PAYMENT.

**REVISIONS**

REV	DATE	COMMENT	BY



**NOT APPROVED FOR CONSTRUCTION**

PROJECT NO.: MB14200601  
 DRAWN BY: AL BLF  
 CHECKED BY: 06/25/15  
 DATE: AS SHOWN  
 SCALE: SD1  
 CAD ID:

**PROJECT:**  
**SITE PLAN**  
**#820150150**  
**TACO BELL**  
**TAKOMA PARK**  
 FOR  
**MUY**  
**TACO BELL**  
 LOCATION OF SITE  
 1300 HOLTON LANE  
 TAKOMA PARK, MD 20912  
 MONTGOMERY COUNTY  
 LOTS 55 & 56  
 GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**  
 16701 MELFORD BLVD., SUITE 310  
 BOWIE, MARYLAND 20715  
 Phone: (301) 809-4500  
 Fax: (301) 809-4501  
 MD@BohlerEng.com

**M. K. JONES**  
 PROFESSIONAL ENGINEER  
 RECEIVED MNCPPC MAY 16 2016 MONTGOMERY COUNTY PLANNING DEPARTMENT

**COVER SHEET**

SHEET NUMBER: **C-1** OF 5

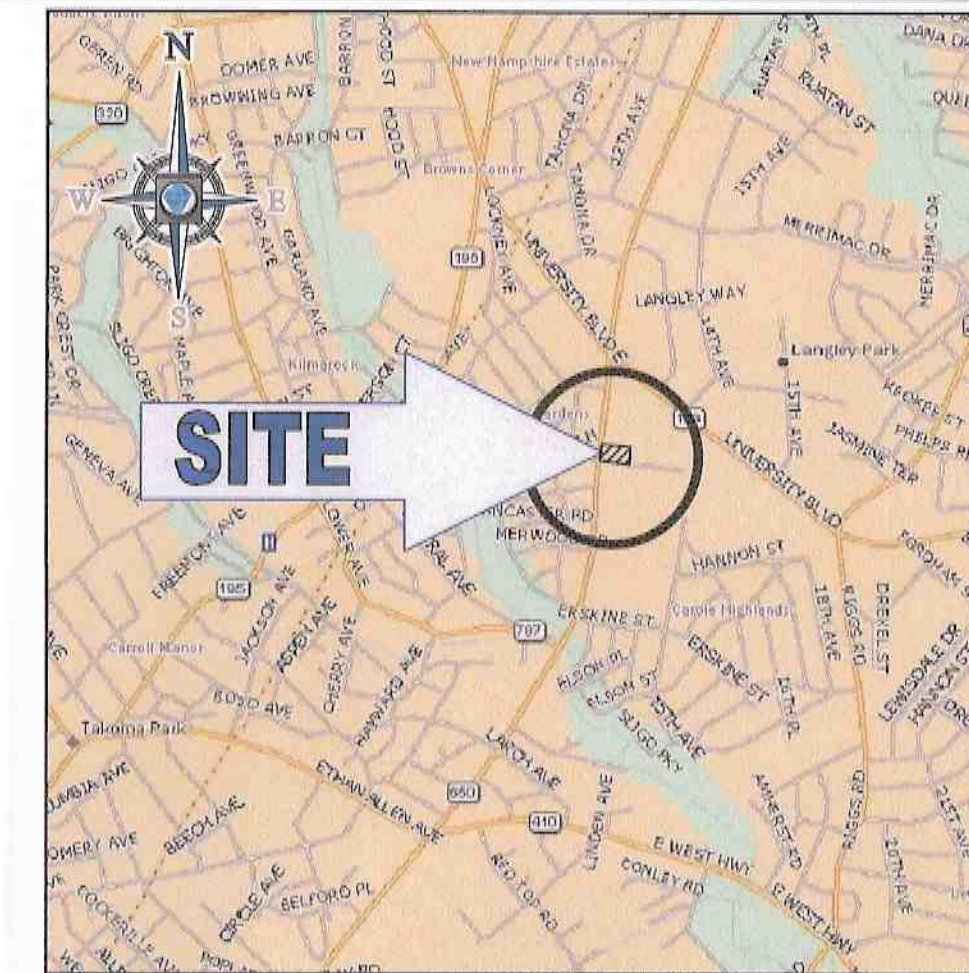
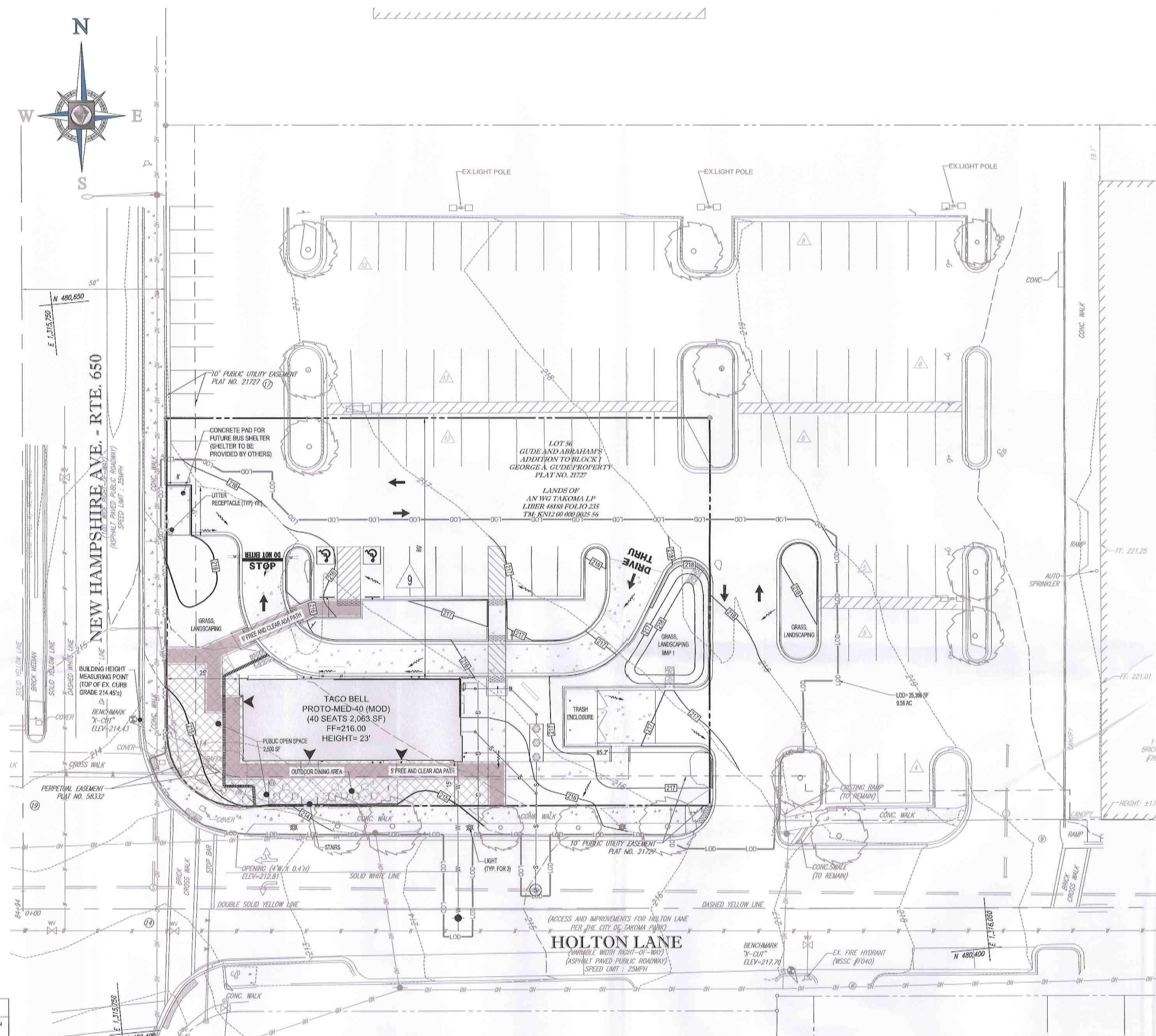
PREPARED BY  
**BOHLER ENGINEERING**

16701 MELFORD BLVD, SUITE 310  
 BOWIE, MARYLAND 20715  
 Phone: (301) 809-4500  
 Fax: (301) 809-4501  
 MD@BohlerEng.com  
 CONTACT: BRADFORD L. FOX, P.E.

**Developer's Certificate**  
 The I-developed agree to include all the features of the Site Plan Approval No. 820150150, including Approval Conditions, Development Program, and Certified Site Plan.  
 Developer: RJP Consulting, LLC Will Lewis  
 Address: 100 East Lancaster Avenue, Suite 200, Downingtown, PA 19335  
 Phone: 610-518-2930  
 Signature: *Will Lewis*

**PROFESSIONAL CERTIFICATION**  
 I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36999, EXPIRATION DATE: 3/15/2017





**LOCATION MAP**  
 COPYRIGHT 2003  
 DELORME STREET ATLAS 2004 PLUS USA  
 SCALE: 1"=200'

**NOTE:**  
 SEE SHEET C-6 FOR SITE DETAILS

**DEVELOPMENT SEQUENCE:**  
 DEVELOPMENT IS PLANNED TO TAKE PLACE IN ONE PHASE (DEMOLITION, BUILDING, AND SITE WORK)

**REVISIONS**

REV	DATE	COMMENT	BY

**NOT APPROVED FOR CONSTRUCTION**

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE: CALL - 811 (WV 1-800-245-4848) (PA 1-800-242-1778) (DC 1-800-252-7777) (VA 1-800-662-7001) (MD 1-800-252-7777) (DE 1-800-282-8600)

PROJECT No.: MB14200601  
 DRAWN BY: AL  
 CHECKED BY: BLF  
 DATE: 06/25/15  
 SCALE: AS SHOWN  
 CAD I.D.: SS1

**SITE PLAN**  
**#820150150**  
**TACO BELL**  
**TAKOMA PARK**  
 FOR  
**MUY**  
**TACO BELL**  
 LOCATION OF SITE  
 1300 HOLTON LANE  
 TAKOMA PARK, MD 20912  
 MONTGOMERY COUNTY  
 LOTS 55 & 56  
 GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**  
 16701 MELFORD BLVD., SUITE 310  
 BOWIE, MARYLAND 20715  
 Phone: (301) 809-4500  
 Fax: (301) 809-4501  
 MD@BohlerEng.com

RECEIVED M-NCPPC  
 MAY 15 2016  
 MONTGOMERY COUNTY PLANNING DEPARTMENT

**M. K. JONES**  
 PROFESSIONAL ENGINEER

SHEET TITLE:  
**SITE PLAN**

SHEET NUMBER:  
**C-4**  
 OF 5

**PROJECT DATA TABLE: CRT-2.5 ZONE (C-2.0, R-1.5, H-100)**

	ZONING ORDINANCE DEVELOPMENT STANDARDS	APPROVED IN SITE PLAN
B. GROSS TRACT AREA	NONE	24,561 SF
C. MAXIMUM BUILDING HEIGHT	100'	23'
D. FLOOR AREA RATIO (FAR) (BUILDING COVERAGE TO GROSS TRACT AREA)	C-2.0 (88,787 SF) R-1.5 (26,590 SF) 2.5 MAX (88,984 SF)	0.28 (FAR OR 2,063 SF OF FA)
E. PUBLIC OPEN SPACE	TOTAL PUBLIC OPEN SPACE 10% NET TRACT AREA 2,409 SF	10/2,500 SF
H. MIN. BUILDING SETBACKS	FRONT (NEW HAMPSHIRE AVE.) 0'	25'
	REAR 0'	0.5'
	NORTH SIDE 0'	8'
	SOUTH SIDE (HOLTON LANE) 0'	15.5'
I. MAXIMUM SETBACK - BUILD TO AREA <sup>1</sup>	FRONT STREET 70% OF THE BUILDING FACADE MUST BE WITHIN 30' OF NEW HAMPSHIRE AVE WITH EXISTING 10 FOOT PUE. <sup>2</sup>	70% OF FACADE WITHIN 27'
	SIDE STREET 30% OF THE BUILDING FACADE MUST BE WITHIN 0' OF HOLTON LANE.	35% OF FACADE WITHIN 15.5'

<sup>1</sup> THE BUILD TO AREA MAXIMUM SETBACK MAY BE INCREASED BY THE MINIMUM SETBACK NECESSARY TO AVOID A PLATTED PUBLIC UTILITY EASEMENT.

**GENERAL NOTES**

- M-NCPPC STAFF MUST INSPECT ALL TREE-SAVE AREAS AND PROTECTION DEVICES BEFORE ANY LAND DISTURBANCE.
- MINOR MODIFICATIONS TO THE LIMITS OF DISTURBANCE SHOWN ON THE SITE PLAN WITHIN THE PUBLIC RIGHT-OF-WAY FOR UTILITY CONNECTIONS MAY BE DONE DURING THE REVIEW OF THE RIGHT-OF-WAY PERMIT DRAWINGS BY THE CITY OF TAKOMA PARK AND/OR THE STATE HIGHWAY ADMINISTRATION.

**PARKING REQUIREMENTS (CRT-2.5<sup>3,4</sup>)**

BUILDING	USE CATEGORY	ZONING ORDINANCE DEVELOPMENT STANDARDS		PARKING REQUIRED		PARKING PROPOSED		PUBLIC BICYCLE PARKING REQUIRED	PUBLIC BICYCLE PARKING PROPOSED
		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	STANDARD SPACES	23 SPACES		
TACO BELL	RESTAURANT (GENERAL)	4 SPACES/1,000 S.F. OF PATRON USE	12 SPACES/1,000 S.F. OF PATRON USE	4/1,000 X 875.3 PATRON S.F. = 3.5 = 4 SPACES	12/1,000 X 875.3 PATRON S.F. = 10.5 = 11 SPACES	ADA SPACES	2 SPACES (2 VAN ACCESSIBLE)	1 BIKE PARKING SPACE (10,000 SF = 1.0 BICYCLE PARKING SPACE (MIN))	2 BICYCLE PARKING SPACES
TOTAL SPACES				4 SPACES	11 SPACES		25 SPACES <sup>5</sup>	1 BICYCLE PARKING SPACE	2 BICYCLE PARKING SPACES

<sup>3</sup> PARKING COMPLIES WITH THE MAXIMUM REQUIREMENT BECAUSE PARKING SPACES IN EXCESS OF MAXIMUM WILL NOT BE RESERVED FOR TACO BELL'S USE.

<sup>4</sup> THE TACO BELL IS PART OF AN INTEGRATED SHOPPING CENTER, FOR WHICH THERE IS SHARED PARKING. A MINIMUM OF 206 PARKING SPACES AND A MAXIMUM OF 355 PARKING SPACES ARE REQUIRED FOR THE OVERALL SHOPPING CENTER. AFTER CONSTRUCTION OF THE TACO BELL, A TOTAL OF 269 PARKING SPACES WILL BE PROVIDED.

<sup>5</sup> CRT-2.5 ZONE IS ELIGIBLE TO BE CONSIDERED A REDUCED PARKING AREA. REQUIRED SPACES SHOWN REFLECT THIS REDUCTION.

**LEGEND**

PUBLIC OPEN SPACE [Hatched Pattern]

**Developer's Certificate**  
 The Undersigned agrees to execute all the features of the Site Plan Approval No. 820150150, including Approval Conditions, Development Program, and Certified Site Plan.

Developer: RJP Consulting, LLC      Will Lewis  
 Company:                                      Certd Person

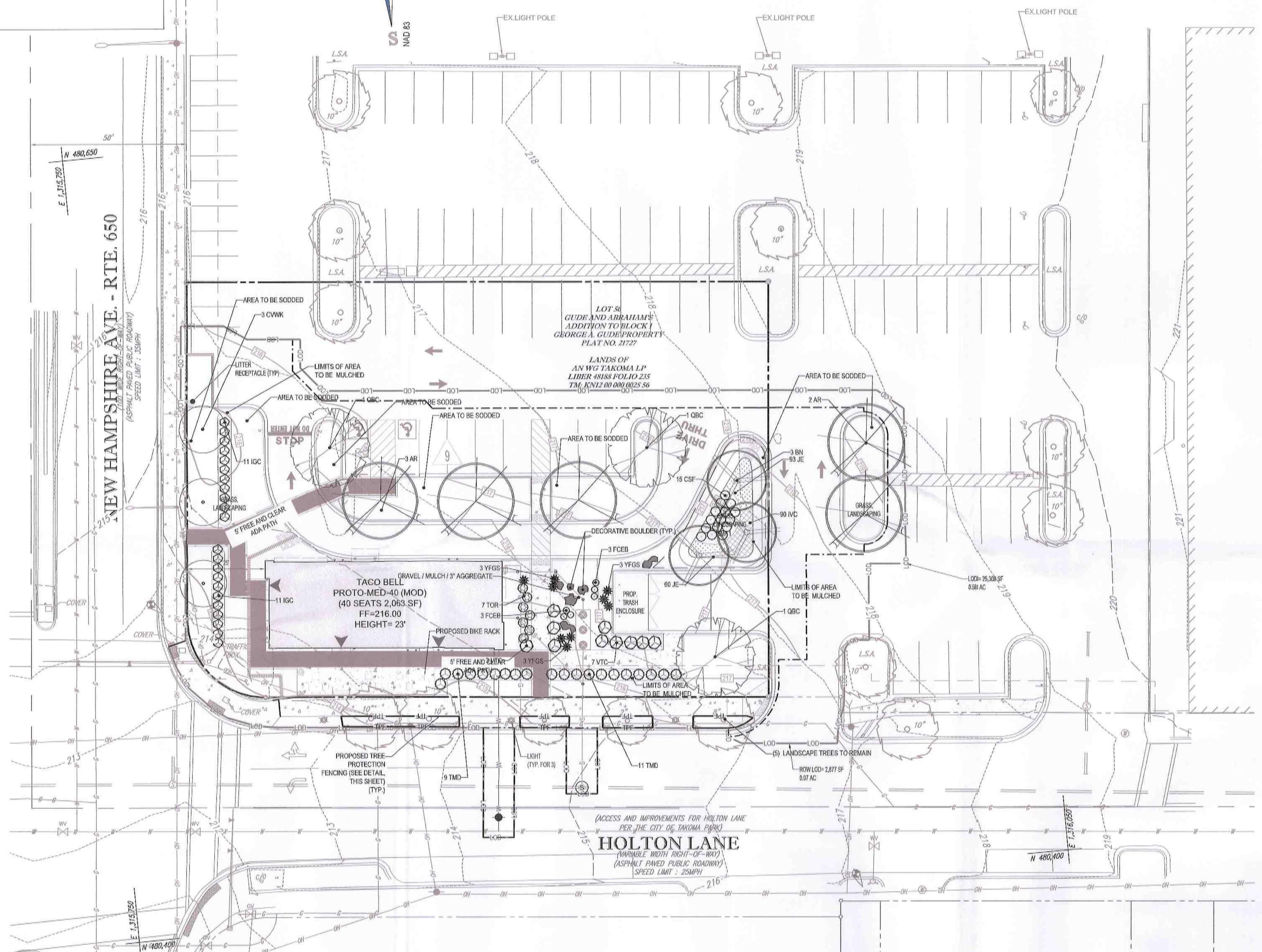
Address: 100 East Lancaster Avenue, Suite 200, Downingtown, PA 19335

Phone: 610-518-2930

Signature: *[Signature]*

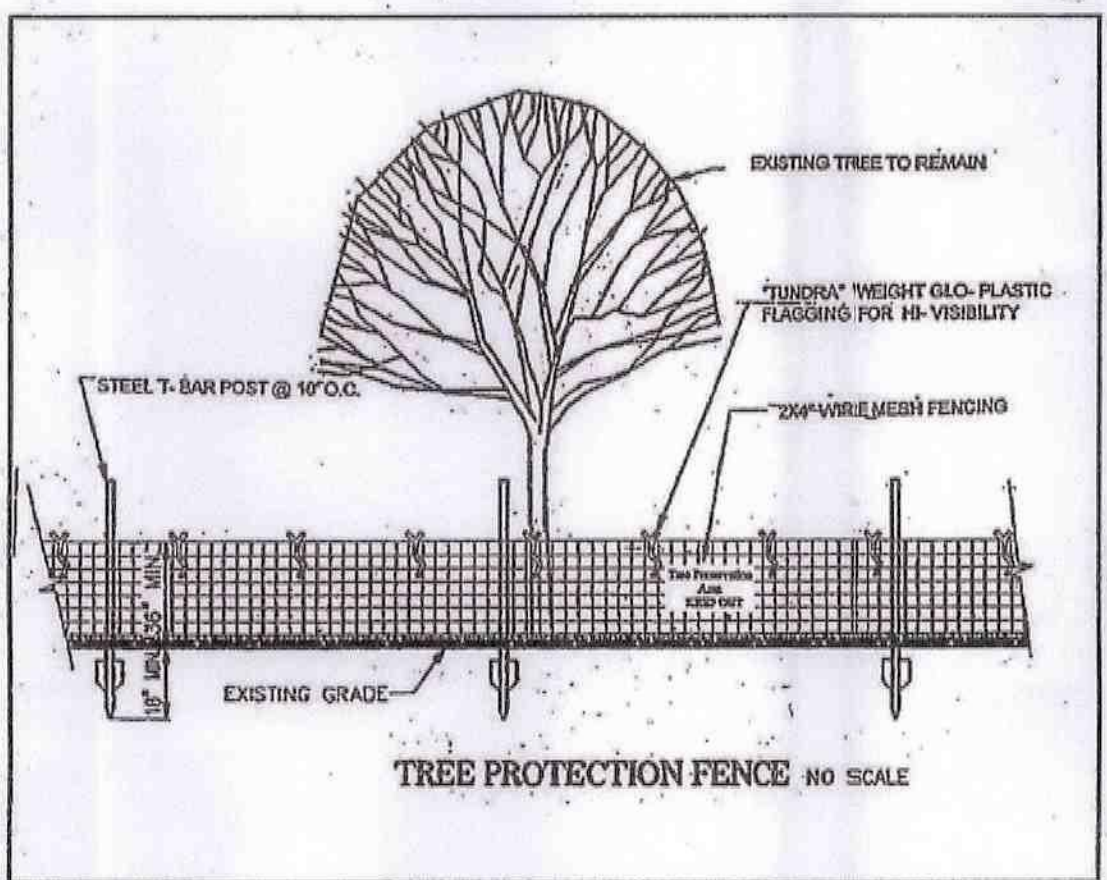
**PROFESSIONAL CERTIFICATION**  
 I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 39999, EXPIRATION DATE: 3/15/2017





### LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
<b>SHADE TREES</b>					
AR	5	ACER RUBRUM	RED MAPLE	2 1/2" CAL.	B#B
BN	3	BETULA NIGRA	MULTI STEM ROVER BIRCH	12-14"	B#B
OBC	3	QUERCUS BICOLO	SWAMP WHITE OAK	2 1/2" CAL.	B#B
SUBTOTAL: 11					
<b>ORNAMENTAL TREES</b>					
CVWK	3	CORNUS VIKS WINTER KING	WINTER KING HAWTHORN	2 1/2" CAL.	B#B
SUBTOTAL: 3					
<b>DECIDUOUS SHRUBS</b>					
CSF	15	CORNUS SERICEA 'FLAVIRAMA'	YELLOW TWIG DOGWOOD	2-3'	D#B
VTC	19	VIBURNUM TRE ORN 'COMPACTUM'	COMPACT AMERICAN CRANBERRYBUSH	30-40"	D#B
SUBTOTAL: 25					
<b>EVERGREEN SHRUBS</b>					
IGC	22	ILEX GLABRA 'SHARROCK'	HERRING HOLLY (FEMALE)	24-30"	#3 CAN, FEMALE ONLY
TMD	20	TAXUS MEDIA DENSIFORMIS	DENSIFORMIS YEW	24-30"	B#B
TOR	7	THALIA OCCIDENTALIS 'RHENKOLZ'	RHENKOLD ASBOKITAE	24-30"	#3 CAN
SUBTOTAL: 49					
<b>PERENNIALS</b>					
IVC	90	IRIS VERSICOLOR	BLUE FLAG IRIS	PLUG	
JE	150	JUNCUS EFFUSUS	COMMON RUSH	PLUG	
YFS	9	YUCCA FILAMENTOSA 'GOLDEN SWORD'	VARIEGATED ADAM'S NEEDLE	18-24"	#3 CAN
SUBTOTAL: 249					
<b>ORNAMENTAL GRASSES</b>					
FCB	6	FESTUCA CINEREA 'ELLYWIS BLUE'	BLUE FESCUE	1 GAL.	CONTAINER
SUBTOTAL: 6					



- ### LANDSCAPE NOTES
- UTILITY EXCAVATION:** PROPOSED PUBLIC UTILITY CONNECTIONS (WATER AND SEWER) ARE LOCATED OUTSIDE CRITICAL ROOT ZONES AND CENTERED BETWEEN TREES AS DEPICTED.
  - TREE CARE EXPERT:** A TREE CARE EXPERT SHALL BE PRESENT DURING UTILITY EXCAVATION TO ENSURE NEARBY TREES ARE APPROPRIATELY PRUNED AND/OR PROTECTED. CONTRACTOR SHALL LIMIT EXCAVATION TO MINIMAL DEPTH NECESSARY TO PROVIDE PUBLIC UTILITY CONNECTIONS.
  - CONSTRUCTION OF SIDEWALK ALONG HOLTON LANE:** CONTRACTOR SHALL CONSTRUCT THE HOLTON LANE PROPOSED SIDEWALK THROUGH AREAS INTERNAL TO THE SITE AND SHALL AVOID OVERHEAD CONFLICTS WITH TREE CANOPIES AND OVERHEAD UTILITIES. CONTRACTOR SHALL LIMIT EXCAVATION TO MINIMAL DEPTH AND MINIMAL DISTURBANCE TO THE SUBGRADE NECESSARY TO PROVIDE AN ADA COMPLIANT SIDEWALK.
  - CITY OF TAKOMA PARK CITY ARBORIST NOTIFICATION:** PRIOR TO CONSTRUCTION, THE CITY OF TAKOMA PARK CITY ARBORIST SHALL BE NOTIFIED. ANY ADDITIONAL METHODS OF PROTECTION SPECIFIED BY THE CITY ARBORIST SHALL BE COORDINATED WITH THE CONTRACTOR UNLESS THEY CONFLICT WITH OTHER CONDITIONS OF THE SITE PLAN APPROVAL AND APPROVAL OF DNR ROADSIDE TREE PERMIT NO. 2016-0206

**Developer's Certificate**  
 The Undersigned agrees to execute all the features of the Site Plan Approval No. 820150150, including Approval Conditions, Development Program, and Certified Site Plan.

Developer: **RJP Consulting, LLC** *Will Lewis*  
 Company *Contractor*

Address: 100 East Lancaster Avenue, Suite 200, Downingtown, PA 19335

Phone: 610-518-2930

Signature: *[Signature]*

### REVISIONS

REV	DATE	COMMENT	BY

**NOT APPROVED FOR CONSTRUCTION**

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DRIVERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE CALL 811 (WV 1-800-246-4648) (PA 1-800-242-1778) (DC 1-800-257-7777) (VA 1-800-662-7001) (MD 1-800-257-7777) (DE 1-800-293-4969)

PROJECT No.: MB14200601  
 DRAWN BY: AMW  
 CHECKED BY: BLF  
 DATE: 06/25/15  
 SCALE: 1"=20'  
 CAD I.D.: LLS

**SITE PLAN #820150150**  
**TACO BELL TAKOMA PARK**  
 FOR **MUY TACO BELL**  
 LOCATION OF SITE  
 1300 HOLTON LANE  
 TAKOMA PARK, MD 20912  
 MONTGOMERY COUNTY  
 LOTS 55 & 56  
 GUDE AND ABRAHAM'S

**BOHLER ENGINEERING**  
 16701 MELFORD BLVD., SUITE 310  
 BOWIE, MARYLAND 20715  
 Phone: (301) 809-4500  
 Fax: (301) 809-4501  
 MD@BohlerEng.com

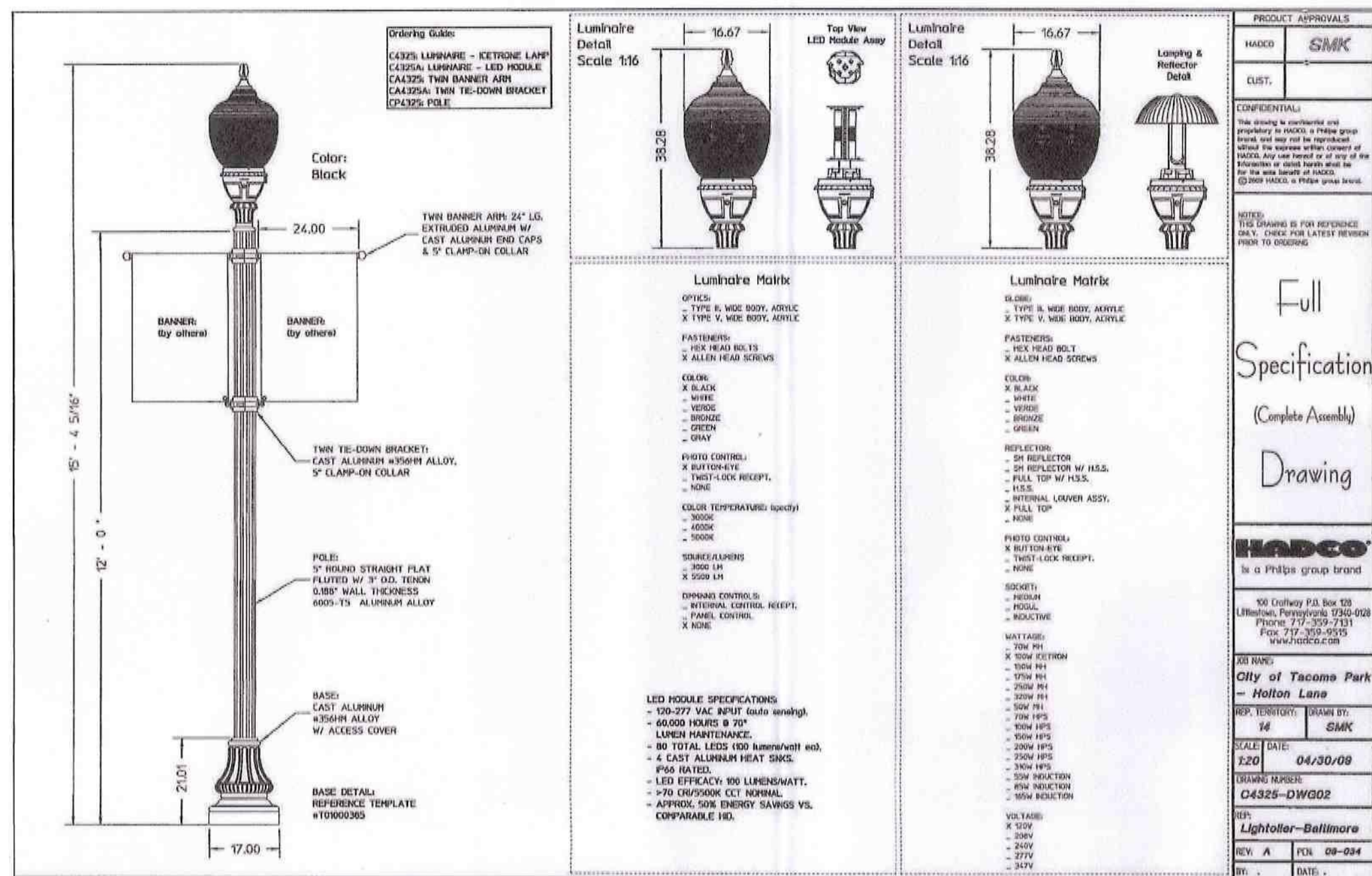
**C.M. RIZZI**  
 REGISTERED LANDSCAPE ARCHITECT  
 LICENSE NO. 3098, EXPIRATION DATE: 10/31/16

SHEET TITLE:  
**LANDSCAPE PLAN**

SHEET NUMBER:  
**LS-1**  
 OF 2

GENERAL NOTE:  
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT. WORK SHOWN TO BE THE RESPONSIBILITY OF THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES.





**Taco Bell EXTERIOR SPECIFICATION**

**Decorative Lighting**

PROJECT: Taco Bell

**Accuserv LIGHTING & EQUIPMENT**  
3865 Produce Rd  
Suite 208  
Louisville, KY 40218  
Toll Free: 877-707-7378  
Phone: 502-961-0096  
Fax: 502-961-0357  
Web: www.accu-serv.com

**Type T3**

**Item # 05247-051 / 05247-052**

**Classification:** Up / Down (2) light Wet location wall mounted cylinder with top cap

**Dimensions:** Diameter - 6"  
Height - 18"  
Depth - 8 7/8"

**Finish:** Bronze

**Lamp Type:** (2) 18W PAR38 LED

**Location:** Exterior

**Leadtime:** TBD

**E# - E52809190**

**Lamp Type:**

**Redefining value with outstanding performance**

**PHILIPS GARDCO, LED SITE & AREA LUMINAIRE, ECOFORM**

The Philips Gardco Ecoform combines economy with performance in an LED area luminaire. Capable of delivering up to 20,000 lumens or more in a compact, low-profile LED luminaire, Ecoform offers a new level of customer value. Ecoform focuses on innovative retrofit site lighting conversions to LED by eliminating the need to drill additional holes in existing poles. Integral control systems available for further energy savings.

**Ordering guide:**

Profile	Finishing	Optics	LED Array	LED Selection	Voltage	Finish	Options
ECF-001	Black/White	1 Single	2 Type 2	300 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H	Black/White	2 Single	4 Type 2	600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H2	Black/White	4 Single	8 Type 2	1200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H3	Black/White	8 Single	16 Type 2	2400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H4	Black/White	16 Single	32 Type 2	4800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H5	Black/White	32 Single	64 Type 2	9600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H6	Black/White	64 Single	128 Type 2	19200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H7	Black/White	128 Single	256 Type 2	38400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H8	Black/White	256 Single	512 Type 2	76800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H9	Black/White	512 Single	1024 Type 2	153600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H10	Black/White	1024 Single	2048 Type 2	307200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H11	Black/White	2048 Single	4096 Type 2	614400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H12	Black/White	4096 Single	8192 Type 2	1228800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H13	Black/White	8192 Single	16384 Type 2	2457600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H14	Black/White	16384 Single	32768 Type 2	4915200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H15	Black/White	32768 Single	65536 Type 2	9830400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H16	Black/White	65536 Single	131072 Type 2	19660800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H17	Black/White	131072 Single	262144 Type 2	39321600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H18	Black/White	262144 Single	524288 Type 2	78643200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H19	Black/White	524288 Single	1048576 Type 2	157286400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H20	Black/White	1048576 Single	2097152 Type 2	314572800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H21	Black/White	2097152 Single	4194304 Type 2	629145600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H22	Black/White	4194304 Single	8388608 Type 2	1258291200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H23	Black/White	8388608 Single	16777216 Type 2	2516582400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H24	Black/White	16777216 Single	33554432 Type 2	5033164800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H25	Black/White	33554432 Single	67108864 Type 2	10066329600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H26	Black/White	67108864 Single	134217728 Type 2	20132659200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H27	Black/White	134217728 Single	268435456 Type 2	40265318400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H28	Black/White	268435456 Single	536870912 Type 2	80530636800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H29	Black/White	536870912 Single	1073741824 Type 2	161061273600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H30	Black/White	1073741824 Single	2147483648 Type 2	322122547200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H31	Black/White	2147483648 Single	4294967296 Type 2	644245094400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H32	Black/White	4294967296 Single	8589934592 Type 2	1288490188800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H33	Black/White	8589934592 Single	17179869184 Type 2	2576980377600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H34	Black/White	17179869184 Single	34359738368 Type 2	5153960755200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H35	Black/White	34359738368 Single	68719476736 Type 2	10307921510400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H36	Black/White	68719476736 Single	137438953472 Type 2	20615843020800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H37	Black/White	137438953472 Single	274877906944 Type 2	41231686041600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H38	Black/White	274877906944 Single	549755813888 Type 2	82463372083200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H39	Black/White	549755813888 Single	1099511627776 Type 2	164926744166400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H40	Black/White	1099511627776 Single	2199023255552 Type 2	329853488332800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H41	Black/White	2199023255552 Single	4398046511104 Type 2	659706976665600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H42	Black/White	4398046511104 Single	8796093022208 Type 2	1319413953331200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H43	Black/White	8796093022208 Single	17592186044416 Type 2	2638827906662400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H44	Black/White	17592186044416 Single	35184372088832 Type 2	5277655813324800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H45	Black/White	35184372088832 Single	70368744177664 Type 2	10555311626649600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H46	Black/White	70368744177664 Single	140737488355328 Type 2	21110623253299200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H47	Black/White	140737488355328 Single	281474976710656 Type 2	42221246506598400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H48	Black/White	281474976710656 Single	562949953421312 Type 2	84442493013196800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H49	Black/White	562949953421312 Single	1125899906842624 Type 2	168884986026393600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H50	Black/White	1125899906842624 Single	2251799813685248 Type 2	337769972052787200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H51	Black/White	2251799813685248 Single	4503599627370496 Type 2	675539944105574400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H52	Black/White	4503599627370496 Single	9007199254740992 Type 2	1351479888211148800 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H53	Black/White	9007199254740992 Single	18014398513481984 Type 2	2702959704422297600 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H54	Black/White	18014398513481984 Single	36028797026963968 Type 2	5405919408844595200 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H55	Black/White	36028797026963968 Single	72057594053927936 Type 2	10811838817689190400 mA	120V	RRP	YS: 1000mA, 2000mA, 3000mA, 4000mA, 5000mA, 6000mA, 7000mA, 8000mA, 9000mA, 10000mA, 12000mA, 15000mA, 20000mA
ECF-001H							



# ADA INSTRUCTIONS TO CONTRACTOR

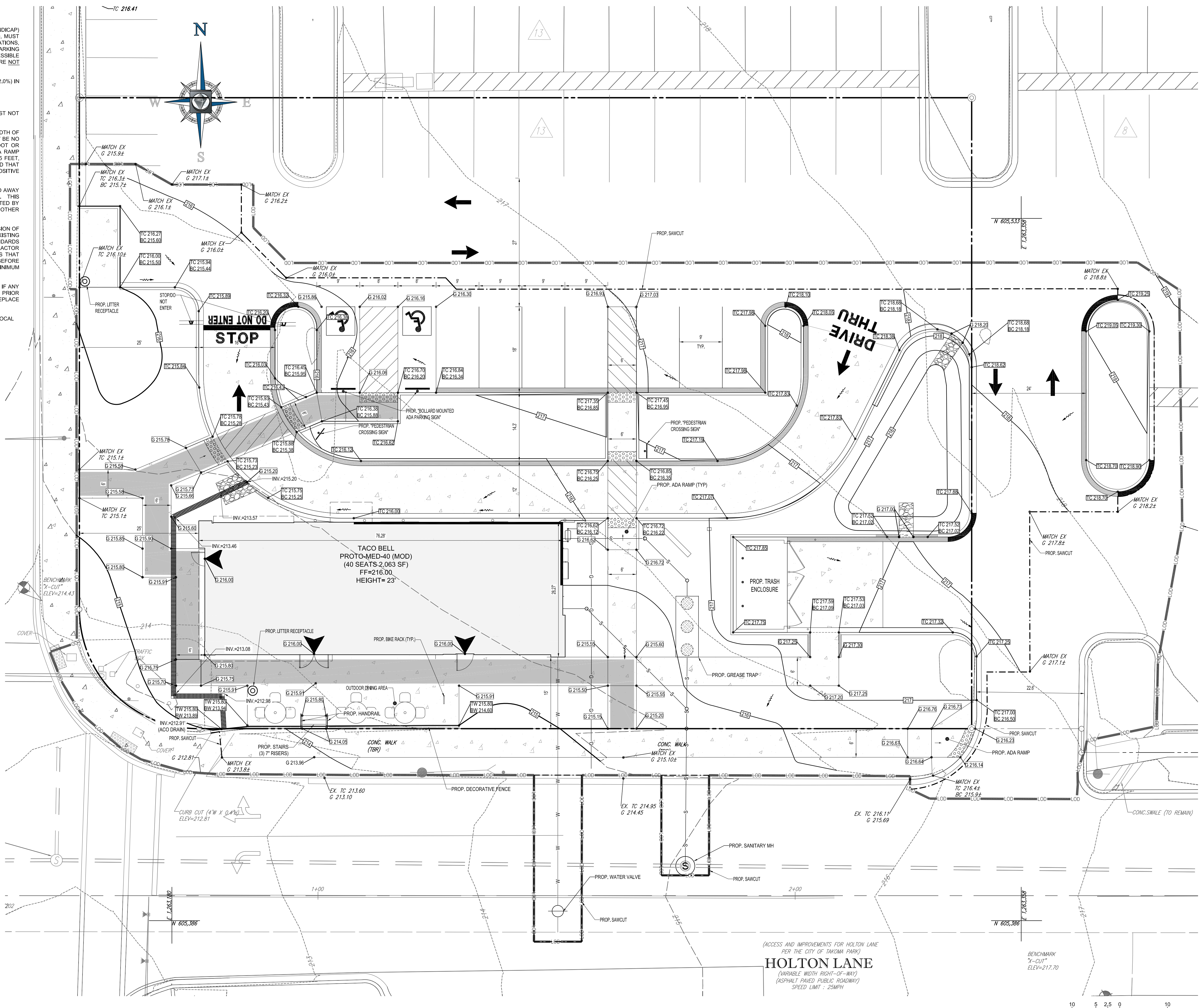
CONTRACTORS SHALL EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (HANDICAP) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE SITE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH THE CURRENT ADA STANDARDS AND REGULATIONS BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAME. FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER-BUILDING ACCESS, TO POINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT, MUST COMPLY WITH THESE ADA CODE REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

- PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
- CURB RAMP - SLOPE SHALL NOT EXCEED 1:12 (8.3%).
- LANDINGS - SHALL BE PROVIDED AT EACH END OF RAMPS. MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
- PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS CANNOT REDUCE THIS MINIMUM WIDTH). THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 120 (5.0%), ADA RAMP REQUIREMENTS MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 2.5 FEET, SHALL BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND 60" W BY 60" L LANDINGS ON EACH END THAT ARE CROSS SLOPED NO MORE THAN 1:50 IN ANY DIRECTION (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE.
- DOORWAYS - MUST HAVE A 'LEVEL' LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY FROM THE DOOR NO MORE THAN 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG, EXCEPT WHERE OTHERWISE PERMITTED BY ADA STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED BY CODE.)
- WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR TO ADA COMPONENTS FROM EXISTING DOORWAYS OR SURFACES, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEMENT OF WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA REQUIREMENTS.
- THE CONTRACTOR MUST VERIFY THE SLOPES OF CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. IF ANY NON-COMFORMANCE IS OBSERVED OR EXISTS, CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND REPLACE NON-COMFORMING CONCRETE.

IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

## GRADING NOTES

1. SITE GRADING MUST BE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. SUBBASE MATERIAL FOR SIDEWALKS, CURBS, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT. EARTHWORK ACTIVITIES INCLUDING, BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
2. PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
3. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
4. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. CONTRACTOR MUST CONFIRM AND ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT (EXCEPT WHERE ADA REQUIREMENTS LIMIT GRADES), TO PREVENT PONDING. CONTRACTOR MUST IMMEDIATELY NOTIFY, IN WRITING TO THE ENGINEER, ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY, HEALTH OR GENERAL WELFARE, OR PROJECT COST. IF CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER NOTIFICATION, MUST BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEYS' FEES AND THE LIKE WHICH RESULT FROM SAME.
5. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE. IT IS CONTRACTOR'S OBLIGATION TO ENSURE THAT DESIGN ENGINEER APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION OF SAME.
6. IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE AND CONTROL. CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER, IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS.
7. CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING WORK ANY WORK.
8. CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SEWER, WATER AND STORM SYSTEMS, MUST BE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND/OR STATE DETAILS AS APPLICABLE. CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.
9. CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.



## GENERAL NOTES

1. M-NCPCC STAFF MUST INSPECT ALL TREE-SAVE AREAS AND PROTECTION DEVICES BEFORE ANY LAND DISTURBANCE.
2. MINOR MODIFICATIONS TO THE LIMITS OF DISTURBANCE SHOWN ON THE SITE PLAN WITHIN THE PUBLIC RIGHT-OF-WAY FOR UTILITY CONNECTIONS MAY BE DONE DURING THE REVIEW OF THE RIGHT-OF-WAY PERMIT DRAWINGS BY THE CITY OF TAKOMA PARK AND/OR THE STATE HIGHWAY ADMINISTRATION.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT. WORK SHALL BE IN ACCORDANCE WITH THE CITY OF TAKOMA PARK SPECIFICATIONS AND ANY MODIFICATIONS TO THE SPECIFICATIONS OR APPLICABLE CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IMMEDIATELY PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND ANY FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.

**BOHLER ENGINEERING**

SITE PLAN, GRADING, LANDSCAPE ARCHITECTURE, LAND SURVEYING, PROGRAM MANAGEMENT, TRANSPORTATION SERVICES, SUSTAINABLE DESIGN, PERMITTING SERVICES

• BALTIMORE, MD  
• BOSTON, MA  
• CHICAGO, IL  
• COLUMBIA, SC  
• DENVER, CO  
• HOUSTON, TX  
• LOS ANGELES, CA  
• NEW YORK, NY  
• PHOENIX, AZ  
• RICHMOND, VA  
• WASHINGTON, DC

REVISIONS			
REV	DATE	COMMENT	BY

**NO NOT APPROVED FOR CONSTRUCTION**

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE: ALABAMA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, CONNECTICUT, DELAWARE, FLORIDA, GEORGIA, ILLINOIS, INDIANA, IOWA, KANSAS, KENTUCKY, LOUISIANA, MARYLAND, MASSACHUSETTS, MICHIGAN, MINNESOTA, MISSISSIPPI, MISSOURI, MONTANA, NEBRASKA, NEVADA, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, NORTH DAKOTA, OHIO, OKLAHOMA, PENNSYLVANIA, RHODE ISLAND, SOUTH CAROLINA, SOUTH DAKOTA, TENNESSEE, TEXAS, UTAH, VERMONT, VIRGINIA, WISCONSIN, WYOMING.

NORTH CAROLINA AND DELAWARE CALL: 811 (IN VA: 800-468-6869) (PA: 1-800-245-1776) (DC: 800-557-7777) (VA: 1-800-552-7091) (MD: 1-800-251-7777) (DE: 1-800-293-6555)

**TACO BELL TAKOMA PARK**

FOR MUY TACO BELL

LOCATION OF SITE  
1300 HOLTON LANE  
TAKOMA PARK, MD 20912  
MONTGOMERY COUNTY  
LOTS 55 & 56  
GUDE AND ABRAHAM'S

PROJECT No.: MB14200601  
DRAWN BY: ALJ  
CHECKED BY: BLF  
DATE: 04/18/16  
SCALE: 1"=10'  
CAD I.D.: GRD

**BOHLER ENGINEERING**

16701 MELFORD BLVD., SUITE 310  
BOWIE, MARYLAND 20715  
Phone: (301) 809-4500  
Fax: (301) 809-4501  
MD@BohlerEng.com

**M. K. JONES**

PROFESSIONAL ENGINEER  
MARYLAND LICENSE NO. 9999

SHEET TITLE:  
**DETAILED GRADING PLAN**

SHEET NUMBER:  
**C17**  
OF 18

PROFESSIONAL CERTIFICATION  
I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 9999, EXPIRATION DATE: 3/31/2017

