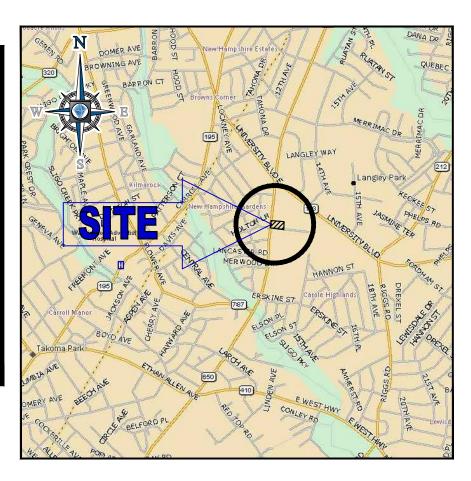
S	TANDARD .	ABB	REVIATIONS	STANDAR	D DRAWING FOR ENTIRE PLAN SET	LEGEND
	FOR E	NTIRE PL	AN SET		(NOT TO SCALE)	
AC	ACRES	LOD	LIMITS OF DISTURBANCE	EXISTING NOTE	TYPICAL NOTE TEXT ONSITE PROPERTY	PROPOSED NOTE
	AMERICANS WITH				LINE / R.O.W. LINE NEIGHBORING	
ADA	DISABILITY ACT	LOS	LINE OF SIGHT		PROPERTY LINE / INTERIOR PARCEL LINE	
ARCH	ARCHITECTURAL	LP	LOW POINT		EASEMENT LINE	
ВС	BOTTOM OF CURB	L/S	LANDSCAPE		SETBACK LINE	
BF	BASEMENT FLOOR	MAX	MAXIMUM		ZONING	
DIC	DI COIX	L AIN	NAININAI INA		LINE	CURB AND GUTTER
ВК	BLOCK	MIN	MINIMUM			SPILL CURB TRANSITION CURB
BL	BASELINE	MH	MANHOLE		CONCRETE CURB & GUTTER	DEPRESSED CURB AND GUTTER
BLDG	BUILDING	MJ	MECHANICAL JOINT			
ВМ	BUILDING BENCHMARK	ос	ON CENTER		UTILITY POLE WITH LIGHT	•
BRL	BUILDING RESTRICTION LINE	PA	POINT OF ANALYSIS		POLE	•
CF	CUBIC FEET	PC	POINT CURVATURE POINT OF COMPOUND		LIGHT	
CL	CENTERLINE	PCCR	CURVATURE, CURB RETURN		LIGHT	<u> </u>
CMP	CORRUGATED METAL PIPE	PI	POINT OF INTERSECTION	0	UTILITY POLE	0
CONN	CONNECTION	POG	POINT OF GRADE		TYPICAL LIGHT	
CONC	CONCRETE	PROP	PROPOSED		ACORN	<u> </u>
CPP	CORRUGATED	PT	POINT OF TANGENCY	ф —————	LIGHT	ф
	PLASTIC PIPE		POINT OF TANGENCY, CURB		TYPICAL SIGN	_v_
CY DEC	CUBIC YARDS	PTCR	RETURN POLYVINYL CHLORIDE PIPE	\bigwedge	PARKING COUNTS	X
DEC	DECORATIVE DEPRESSED	PVC	POINT OF VERTICAL			187
			POINT OF VERTICAL		SPOT	TC516.00 TC 516.00
DIP	DUCTILE IRON PIPE	PVT	TANGENCY	TC 516.4 OR 516.4	ELEVATIONS	BC 515.55
DOM	DOMESTIC	R	RADIUS	#	SANITARY LABEL	#
ELEC	ELECTRIC	RCP	REINFORCED CONCRETE PIPE		STORM LABEL	X #
ELEV	ELEVATION	RET WALL	RETAINING WALL	SL	SANITARY SEWER LATERAL	SL
EP	EDGE OF PAVEMENT	R/W	RIGHT OF WAY		UNDERGROUND	
ES	EDGE OF SHOULDER	s	SLOPE		WATER LINE UNDERGROUND	F
					ELECTRIC LINE UNDERGROUND	
EW	END WALL	SAN	SANITARY SEWER		GAS LINE	
EX FES	EXISTING FLARED END	SF STA	SQUARE FEET STATION	ОН —	OVERHEAD WIRE	———ОН
	SECTION				UNDERGROUND TELEPHONE LINE	т
FFE	FINISHED FLOOR	STM	STORM		UNDERGROUND	
FH FG	FIRE HYDRANT FINISHED GRADE	TBR TBRL	TO BE REMOVED TO BE RELOCATED		CABLE LINE STORM	
G	GRADE	тс	TOP OF CURB		- SEWER	
GF	GARAGE FLOOR (AT DOOR)	TELE	TELEPHONE	S	SANITARY SEWER MAIN	s
GH	GRADE HIGHER SIDE OF WALL	TPF	TREE PROTECTION FENCE	~	HYDRANT	V
GL	GRADE LOWER SIDE	TW	TOP OF WALL	(S)	SANITARY MANHOLE	(S)
	OF WALL				STORM	
GRT	GRATE	TYP	TYPICAL	. ⊗WM	MANHOLE WATER	
GV HDPE	GATE VALVE HIGH DENSITY	UG UP	UNDERGROUND UTILITY POLE	⊗ 	METER	•
	POLYETHYLENE PIPE		5 322		WATER VALVE	•
HP	HIGH POINT	W	WIDE		GAS VALVE	
HOR	HORIZONTAL	W/L	WATER LINE		GAS	\boxtimes
HW	HEADWALL	W/M	WATER METER		METER TYPICAL END	
INT	INTERSECTION	±	PLUS OR MINUS		SECTION	
INV LF	INVERT	° Ø	DEGREE) or	HEADWALL OR ENDWALL	J or ■
LOC	LINEAR FOOT LIMITS OF CLEARING	Ø #	DIAMETER NUMBER		YARD INLET	(III)
	1	1	1	<u></u>	CURB INLET	©¹
				0	CLEAN	0
				(E)	OUT	E
					MANHOLE	
				(7)	TELEPHONE MANHOLE	T)
				EB	ELECTRIC BOX	EB
				EP	ELECTRIC PEDESTAL	EP
				\bigcirc	MONITORING	
					WELL	<u> </u>
				—	PIT	└ ₱
					BENCHMARK	
					BORING	
					PROP. TRANSFORMER	Т
					PUBLIC OPEN SPACE	
I _			GENERAL NOTE:			

CONSTRUCTION DOCUMENTS FOR TACO BELL, TAKOMA PARK

LOCATION OF SITE 1300 HOLTON LANE TAKOMA PARK, MD 20912 **ELECTION DISTRICT NO. 18** MONTGOMERY COUNTY WSSC GRID: 209NE02

ISSUED FOR CONSTRUCTION	_
SIGNATURE DATE	
SIGNATURE DATE SIGNATURE DATE	_
THIS DOCUMENT IS NOT ISSUED BY BOHLER ENGINEERING FOR CONSTRUCTION WITHOUT (3) SIGNATURES	
PROJECT #	
REVISION DATE:	



SHEET INDEX					
SHEET TITLE	CONSTRUCTION DOCUMENTS SHEET NUMBER	PERMIT SET SHEET NUMBER			
COVER SHEET	C-001				
STORMWATER AND SEDIMENT CONTROL COVER SHEET	C-002	SC/SWM 1			
PHASE I EROSION AND SEDIMENT CONTROL PLAN	C-003	SC/SWM 2			
PHASE II EROSION AND SEDIMENT CONTROL PLAN	C-004	SC/SWM 3			
STORMWATER MANAGEMENT AND GRADING PLAN	C-005	SC/SWM 4			
TRENCH DRAIN PROFILES & MICRO-BIO DETAILS	C-006	SC/SWM 5			
SEDIMENT CONTROL DETAILS	C-007	SC/SWM 6			
DRAINAGE AREA MAPS	C-008	SC/SWM 7			
LANDSCAPE PLAN	C-009	SC/SWM 8			
LANDSCAPE DETAILS	C-010	SC/SWM 9			
SITE/UTILITY PLAN	C-011				
DETAILED SITE GRADING PLAN	C-012				
LIGHTING PLAN	C-013				
SITE DETAILS	C-014				
SITE DETAILS	C-015				

PREPARED BY ENGINEERING

> 16701 MELFORD BLVD, SUITE 310 **BOWIE, MARYLAND 20715**

Phone: (301) 809-4500 (301) 809-4501 MD@BohlerEng.com

CONTACT: BRADFORD L. FOX, P.E.

GENERAL NOTES:

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE

1. THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:

LANGLEY PARK, MONTGOMERY COUNTY, MARYLAND, PREPARED BY ECS. DATED 10/02/14.

- "TACO BELL- TAKOMA PARK, 7681 NEW HAMPSHIRE AVE. (13TH) ELECTION DISTRICT, MONTGOMERY COUNTY, MARYLAND. PREPARED BY BOHLER ENGINEERING, DATED 12/10/14, PROJECT # SB14200601
- ARCHITECTURAL PLAN BID SET SUBMISSION TO DGS, PREPARED BY GLMV ARCHITECTURE, LLC, DATED 07/15/15.
- "GEOTECHNICAL REPORT SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING ANALYSIS TACO BELL AT
- "STORMWATER MANAGEMENT REPORT TACO BELL TAKOMA PARK, 1300 HOLTON LANE, TAKOMA PARK, MD 20912"

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST VERIFY THAT HE/SHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE. THIS IS CONTRACTOR'S RESPONSIBILITY.

- THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12101 et seq. AND 42 U.S.C. § 4151 et seq.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THE PROJECT IS TO BE CONSTRUCTED, AND ANY AND ALL AMENDMENTS TO BOTH WHICH ARE IN EFFECT WHEN THESE PLANS ARE COMPLETED. 3. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND
- APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- 4. THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 5. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT.
- 6. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING. OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK
- 7. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING. IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
- 8. ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION CONTRACTOR MUST NOTIFY ENGINEER IN WRITING IF ANY CONFLICTS DISCREPANCIES OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
- 9. CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS "OF RECORD" FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY
- 10. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER, IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OF
- 11. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID 29. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL GOVERNMENTAL AUTHORITIES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER CONTRACTOR.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT, NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES.
- 13. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE
- 14. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR CONTACT: CARTER DAVIS PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT STRIPING. CURB. ETC. AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE. BUT NOT BE LIMITED REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR RJP CONSULTING GROUP EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION. AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF
- 15. ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS

 CIVIL ENGINEER UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
- 16. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEAN, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOWIE, MD 20715 BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS PHONE: (301) 809 - 4500 RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT CONTACT: BRADFORD FOX, P.E.
- 17. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY TIME.
- 18. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S PHONE: (410) 859-4300 LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING, AND ITS PAST, PRESENT AND FUTURE OWNERS OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER CONTACT: CARMEN ONKEN THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND ITS PAST, PRESENT AND FUTURE OWNERS. OFFICERS. DIRECTORS. PARTNERS. SHAREHOLDERS. MEMBERS. PRINCIPALS. COMMISSIONERS. AGENTS. SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS, ALL WSSC - PINPOINT UG: CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED TO THE PROJECT. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS INSURANCE
- 19. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT

 WASHINGTON GAS - UTILIQUEST: ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE

 PEPCO/UTILIQUEST THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN
- 20. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING CITY OF TAKOMA PARK: AND/OR ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PHONE: (301) 891-7615 PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, ALTA/ACSM LAND TITLE SURVEY: SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE BOHLER ENGINEERING ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE "18115 GEORGIA AVENUE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY ELECTION DISTRICT NO.8 CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH MONTGOMERY COUNTY, MARYLAND" OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. DATE: 12/10/14 BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL REVISED: 01/08/15 INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN PROJECT NO.: SB14200601

- 21. IF THE CONTRACTOR DEVIATES FROM THE PLANS A SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS PENALTIES AND THE LIKE RELATED TO SAME.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S
- 2. ALL ACCESSIBLE (A/K/A ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF 23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM T MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT.
 - 24. ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY C DAMAGES RESULTING FROM CONTRACTOR'S FAILURE BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH TH APPROVED PLANS. IF CONTRACTOR AND/OR OWNER FAIL BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT
 - 25. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SIT FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, IN STRICT ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN AND, FURTHER ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. I OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES INDEMNIEY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
 - 26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED
 - 7. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS.
 - 28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
 - APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF "PROFESSIONAL OPINION" REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED

JBG/TAKOMA RETAIL CENTER, L.L.C. 4445 WILLARD AVE., SUITE 400 CHEVY CHASE, MD 20815

DEVELOPER/APPLICANT 100 EAST LANCASTER AVENUE, SUITE 200

BOHLER ENGINEERING 16701 MELFORD BOULEVARD, SUITE 310

1340 CHARWOOD ROAD, SUITE A

GEOTECHNICAL ENGINEER ECS MID-ATLANTIC, LLC

CONTACT: ZACHARY ADCOCK **GLMV ARCHITECTURE** 1525 E. DOUGLAS PHONE: (316)265-9367 **VERIZON - LAMBERT CABLE:**

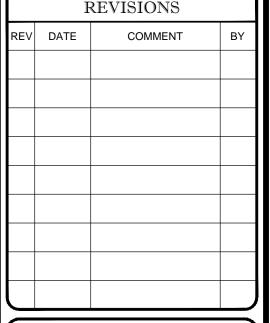
PHONE: (301) 868-6803

COLONIAL PIPELINE: PHONE: (678) 762-2403

FIBERLIGHT/SUNBELT TELECO:

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







TORS, DESIGNERS, OR ANY PERSON PREPARIN STURB THE EARTH'S SURFACE ANYWHERE IN THE STA IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, NORTH CAROLINA AND DELAWARE CALL - 811 V 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257-A 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8

NOT APPROVED FOR CONSTRUCTION

DRAWN BY: SCALE: AS SHOWN

TACO BELL TAKOMA PARK

MUY

TACO BELL LOCATION OF SITE 1300 HOLTON LANE TAKOMA PARK, MD 20912

MONTGOMERY COUNTY



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

> **PROGRESS SET FOR BIDDING PURPOSES**

COVER

SHEET

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJEC

VRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUT TANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

CSCOPE PRIOR TO THE INITIATION OF CONSTRUCTION, SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE

STANDAR	D DRAWING FOR ENTIRE PLAN SET (NOT TO SCALE)	LEGEND	$\underline{\underline{S}}$	TANDARD	ABB	REVIATIONS
EXISTING NOTE	TYPICAL NOTE TEXT ONSITE PROPERTY LINE / R.O.W. LINE	PROPOSED NOTE	AC	FOR E	NTIRE PL	AN SET POINT OF GRADE
	NEIGHBORING PROPERTY LINE /		ADA	AMERICANS WITH DISABILITY ACT	PROP	PROPOSED
	INTERIOR PARCEL LINE EASEMENT					
	LINE		ARCH	ARCHITECTURAL	PT	POINT OF TANGENCY POINT OF TANGENCY, CURB
	LINE		BC	BOTTOM OF CURB	PTCR	RETURN
		CURB AND GUTTER	BF	BASEMENT FLOOR	PVC	POLYVINYL CHLORIDE PIPE POINT OF VERTICAL
		SPILL CURB TRANSITION CURB	BK	BLOCK	PVI	INTERSECTION
	CONCRETE CURB & GUTTER	DEPRESSED CURB AND GUTTER	BL	BASELINE	PVT	POINT OF VERTICAL TANGENCY
			BLDG	BUILDING	R	RADIUS REINFORCED CONCRETE PIPE
	UTILITY POLE WITH LIGHT		BRL	BENCHMARK BUILDING	RET	RETAINING WALL
	POLE LIGHT		CF	CUBIC FEET	WALL R/W	RIGHT OF WAY
D€	TRAFFIC LIGHT	□ ◀	CL	CENTERLINE	S	SLOPE
0	UTILITY POLE	0	СМР	CORRUGATED METAL PIPE	SAN	SANITARY SEWER
	TYPICAL LIGHT		CONN	CONNECTION	SF	SQUARE FEET
ф	ACORN LIGHT	ф	CONC	CONCRETE	STA	STATION
—₩	TYPICAL SIGN	-v	СРР	CORRUGATED PLASTIC PIPE	STM	STORM
X	PARKING COUNTS	<u>x</u>	CY	CUBIC YARDS	S/W	SIDEWALK
		L	DEC DEP	DECORATIVE DEPRESSED	TBR TBRL	TO BE REMOVED TO BE RELOCATED
— — — 170— — —	CONTOUR	190	DIP	DUCTILE IRON PIPE	тс	TOP OF CURB
169	LINE	TC 516.00 TC 516.00 BC 515.55	DOM	DOMESTIC	TELE	TELEPHONE
TC 516.4 OR 516.4	ELEVATIONS	BC 515.55	ELEC	ELECTRIC	TPF	TREE PROTECTION FENCE
SAN	SANITARY	SAN	ELEV	ELEVATION	TW	TOP OF WALL
#	LABEL	#	EP	EDGE OF PAVEMENT	TYP	TYPICAL
	LABEL	X #	ES	EDGE OF SHOULDER	UG	UNDERGROUND
SL	SANITARY SEWER LATERAL	SL	EW	END WALL	UP	UTILITY POLE
	UNDERGROUND WATER LINE		EX	EXISTING	W	WIDE
E	UNDERGROUND ELECTRIC LINE	Е ————	FES	FLARED END SECTION	W/L	WATER LINE
	UNDERGROUND GAS LINE	G —————	FF	FINISHED FLOOR	W/M	WATER METER
———————	OVERHEAD WIRE	OH	FH FG	FIRE HYDRANT FINISHED GRADE	± .	PLUS OR MINUS DEGREE
	UNDERGROUND TELEPHONE LINE		G	GRADE	Ø	DIAMETER
			GF	GARAGE FLOOR (AT DOOR)	#	NUMBER
========	STORM SEWER		GH	GRADE HIGHER SIDE OF WALL	-	
	SANITARY SEWER MAIN	s ———— s	GL	GRADE LOWER SIDE OF WALL	-	
8	HYDRANT	~	GRT	GRATE	-	
S	SANITARY MANHOLE		GV HDPE	GATE VALVE HIGH DENSITY	-	
(D)	STORM MANHOLE			POLYETHYLENE PIPE	_	
⊗ ^{WM}	WATER METER	•	HP	HIGH POINT	-	
₩V	WATER VALVE	•	HOR	HORIZONTAL HEADWALL	-	
	GAS VALVE		INT	INTERSECTION	_	
	GAS METER		INV	INVERT	-	
	TYPICAL END SECTION		LOC	LIMEAR FOOT LIMITS OF CLEARING	_	
or [HEADWALL OR ENDWALL		LOD	LIMITS OF DISTURBANCE	1	
	YARD INLET		LOS	LINE OF SIGHT	1	
	CURB	<u></u>	LP	LOW POINT	-	
0	CLEAN	0	L/S MAX	LANDSCAPE MAXIMUM	_	
(E)	OUT ELECTRIC	(E)	MIN	MINIMUM	_	
(7)	MANHOLE TELEPHONE	(T)	MH	MANHOLE	_	
	MANHOLE ELECTRIC		MJ	MECHANICAL JOINT	1	
[EB]	BOX	EB	OC PA	ON CENTER POINT OF ANALYSIS	_	
[EP]	PEDESTAL	EP	PC	POINT CURVATURE	1	
	MONITORING		PCCR	POINT OF COMPOUND	1	
	MONITORING WELL			CURVATURE, CURB RETURN	_	
T	TEST PIT	L.	PI	POINT OF INTERSECTION		
	BENCHMARK					
	BORING					

STORMWATERAND SEDIMENT CONTROL PLAN

FOR

City of Takoma Park

Telephone: 301-891-7633 5/12/2015May 12, 2015FAX: 301-585-2405



Mr. Bradford Fox, P.E. Bohler Engineering 16701 Melford Blvd. Bowie, MD 20715

Re: SWC 15-03-01 Takoma 7681 New Hampshire Avenue, Takoma Park MD (Taco Bell)

This is to inform you that the above reference application has been reviewed. The referenced Concept Approval application and response package submitted on 5/12/2015 were found acceptable. A tree protection plan approved by the City Arborist, if required for this project should be obtained as a condition of this approval.

Please refer to Takoma Code title 16 for complete description of Stormwater Management Plan Permit requirements. A summary expert of SWM Permit requirement documents is listed below for your convenience.

- 1. SWM Permit application, 2. Three (3) Copies of the final SWM plans
- 3. Sediment and Erosion Control set of plans approved by MC DPS. 4. Construction cost estimate of SWM facilities for the propose of setting the Bond
- 5. A Permit fee Equal to 10 % of the total cost of SWM facilities
- 6. A performance Bond equal to the approved construction cost of the SWM facilities . Declaration of Covenants inspection/Maintenance of Stormwater Management System 8. Maintenance schedule developed for the life of SWM facilities installed on the Plans
- 9. Schedule for staged inspection and reports (Takoma Code 16.04.210, 16.04.260). 10. Takoma Park Code Section 16.04.30 provides that "
- "The City Manager, in his or her sole discretion, may accept the certification of a registered professional engineer licensed in Maryland in lieu of any inspection during construction

Under this option, the owner shall in a letter name the professional engineer registered in Maryland who would be providing inspection and certification for all the stages of construction described in the referenced section of Takoma Code including preparation and presentation of the final As- Built plans and certifications.

SW€ 15-03-01 for 7681 New Hampshire Avenue, Takoma Park MD (Taco Bell)

Upon Completion of the project and prior to Bond release, an as-built plan of the SWM facilities along with certification by a professional engineer shall be submitted to this department. I appreciate the opportunity to be of service; should you require additional assistance please call the undersigned at 301-8917620.

City Engineer City of Takoma Park Daryl Braithwai Todd Bolton

TI	REE CANOPY REQUIREMENTS TABLE
e completed by	he consultant and placed on the first sheet of the Sediment Control / Stormwater Managemen
	plan set for all projects

Exempt: Yes No III If exempt under Section 55-5 of the Code, please check the

Total Property Area	Total Disturbed Area
24,591 square feet	25,308 square feet

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

Required Number of Shade Trees

ft.) of the Limits cance	Number of Shad Trees Required
TO	
6,000	3
8,000	6
12,000	9
14,000	12
40,000	15
	TO 6,000 8,000 12,000 14,000

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:

(Number of Square Feet in Limits of Disturbance $\div 40,000$) × 15

EXEMPTION CATEGORIES: 55-5(a) any activity that is subject to Article II of 55-5(b) any commercial logging or timber narvesting operation with an approved exemption Article II of Chapter 22A;

existing access road, if the person performing the

intenance has obtained all required permits 55-5(h) any stream restoration project if the erson performing the work has obtained all necessary permits; 55-5(i) cutting or clearing any tree to comply with 55-5(f) any activity conducted by the County Parks applicable provisions of any federal, state, or local law verning safety of dams; 55-5(g) routine or emergency maintenance of a OTHER: Specify per Section 55-5 of the Code. existing stormwater management facility, including an

TACOBELL TAKOMAPARK

LOCATION OF SITE

1300 HOLTON AVE. TAKOMA PARK, MD 20912 MONTGOMERY COUNTY, MARYLAND



LOCATION MAP DELORME STREET ATLAS 2004 PLUS USA

DEVELOPER/APPLICANT RJP CONSULTING GROUP 100 EAST LANCASTER AVENUE, SUITE 200

CONTACT: WILL LEWIS

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

OWNER

SHEET INDEX			
SHEET TITLE	SHEET NUMBER		
COVER SHEET	C-002		
PHASE I - EROSION AND SEDIMENT CONTROL PLAN	C-003		
PHASE II - EROSION AND SEDIMENT CONTROL PLAN	C-004		
MICRO - BIORETENTION DETAILS	SWM-4		

AS BUILT CERTIFICATION

I hereby certify that the stormwater management facility shown on the plans has (have) been constructed in accordance with the plans approved by the City of Takoma Park except as noted in reon the "AS BUILT" drawings

Maryland registration number Facility Identification (number and/or type)

"Certify" means to state or declare a professional opinion based on sufficient and appropriate site inspections and material test conducted during construction.



16701 MELFORD BLVD, SUITE 310 **BOWIE, MARYLAND 20715**

Phone: (301) 809-4500 (301) 809-4501

BFox@BohlerEng.com CONTACT: BRADFORD FOX, P.E.

REFERENCES ♦ ALTA/ACSM LAND TITLE SURVEY

PREPARED BY: BOHLER ENGINEERING TITLED: "TACO BELL- TAKOMA PARK 7681 NEW HAMPSHIRE AVE. (13TH) ELECTION DISTRICT MONTGOMERY COUNTY, MARYLAND" FIELD DATE: 12/09/14 DATED: 12/10/14

DATED: 10 / 02 / 14

REVISED: 5/01 / 15

EXPIRATION

DATE

Approval Date

Approval Date

TBD

Date 1-20-2016

Date 1-20-2016

Registration Number 39999

Registration Number 39999

Date 12/9/15

2/10/16

PROJECT NO.: 02:7394-E

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

NOTE: VOLUMES ARE APPROXIMATE AND SHOULD

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

2016-0206

TBD

SEDIMENT CONTROL/STORMWATER MANAGEMENT CERTIFICATIONS

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

OWNER'S/DEVELOPER'S CERTIFICATION

I/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

DESIGN CERTIFICATION

I hereby certify that this plan has been prepared in accordance with the "1994 Maryland Standards and

Specification for Soil Erosion and Sediment Control," Montgomery County Department of Permitting Services Executive Regulations 5-90, 7-02AM and 36-90, and Montgomery County Department of Public

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 250 cubic yards of excavation, 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

Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work. The excavator must notify all public utility companies with under ground 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

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)

DESIGN CERTIFICATION;

I hereby certify that this plan has been designed in accordance with the Title 16 of City of

Maryland Department of the Environment Stormwater Management Regulations.

Takoma park Code & the current Maryland Stormwater Design Manual, Volumes I & II and the

compliance with requirements of Chapter 36A of the Montgomery County Code.

transferring said maintenance responsibility at that time.

William C Lewis Client Representative

VOLUME OF SPOIL MATERIAL: 250 CY

NET CUT/FILL: FILL - 0 CY

TYPE OF PERMIT

Floodplain District

WATERWAYS/WETLAND(S)

Certification

MDE Dam Safety

DNR Roadside Tree Care

DPS Roadside Tree

Protection Plan

N.P.D.E.S.

NOTICE OF INTENT

CITY OF TAKOMA PARK R.O.W. PERMIT

OTHERS (Please List):

Corps of Engineers

MDE Water Quality

VOLUME OF BORROW MATERIAL: 250 CY

REQD

and erosion before beginning the project.

Matthew K. Jones, Associate

Printed Name and Title

Printed Name and Title

Maryland registration number

P.E., R.L.S or R.L.A (circle)

William C. Lewis Owner representative

Works and Transportation "Storm Brain Design Criteria" dated August 1988.

NOT

REQD

Χ

Χ

PROJECT NO.: SB14200601 **♦** GEOTECHNICAL REPORT GEOTECHNICAL REPORT TITLED: "SUBSURFACE EXPLORATION, LABORATORY TESTING, AND GEOTECHNICAL ENGINEERING ANALYSES" PREPARED BY: ESC

RESTRICTION DATES

DATE FILED



REVISIONS DATE COMMENT



NORTH CAROLINA AND DELAWARE CALL - 811 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257 A 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8

NOT APPROVED FOR CONSTRUCTION

PROJECT No.:	MB14200601
DRAWN BY:	JDC
CHECKED BY:	BLF
DATE:	12/08/15
SCALE:	AS SHOWN
CAD I.D.:	SW1

TAKOMA PARK TACO BELI

MUY

TACO BELL LOCATION OF SITE 1300 HOLTON LANE TAKOMA PARK, MD 20912

MONTGOMERY COUNTY



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

> **PROGRESS SET FOR BIDDING PURPOSES**

SHEET TITLE:

COVER SHEET

:\USERS\AKHAN\APPDATA\LOCAL\TEMP\ACPUBLISH_18848\UNSAVED DRAWING10.DWG PRINTED BY: AKHAN 3.09.16 @ 12:25 PM LAST SAVED BY: JCADW

T IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJEC

WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITU TANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

K SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE 1

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

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.
- 2. The permittee must obtain inspection and approval by DPS at the following points:
- A. At the required pre-construction meeting.
- Following installation of sediment control measures and prior to any other land disturbing
- During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to commencing construction is mandatory.
- Prior to removal or modification of any sediment control structure(s).
- E. Prior to final acceptance.

stabilization.

- The permittee shall construct 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 disturbances, 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
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:

a) 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

b) 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

- 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 borrow 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 SC/SM plans, and test reports shall be available at the site for inspection by duly authorized officials of Montgomery County.
- 10. 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 approved stabilization measures.
- 12. 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.
- 13. 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 nonmaintenance 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)
- 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
- 18. The sediment control inspector has the option of requiring additional sediment control measures, as
- All trap elevations are relative to the outlet elevation, which must be on existing undisturbed
- Vegetative stabilization shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control.
- Sediment trap(s)/basin(s) 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.
- 22. Sediment removed from traps/basins shall be placed and stabilized in approved areas, but not within a floodplain.
- 23. 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 the 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.
- 25. 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 <u>each</u> application. The following
- 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 <u>must</u> have prior approval by the DPS inspector.

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

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



Mr. Brenton Hutchinson AN WG Takoma LP 1430 Broadway STE 1630

New York, NY. 10018

Dear Mr. Hutchinson:

Re: Forest Conservation Exemption 42015222E; Taco Bell, Takoma Park

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-5(t) 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

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 301-495-4581 or at david.wigglesworth@montgomeryplanning.org.

require approval of a preliminary plan of subdivision, and (4) the modification does not increase

David Wigglesworth

Matt Jones (Bohler Eng.)

CC: Will Lewis (RPJ)

42015222E

Development Applications & Regulatory Coordination

650

8787 Georgia Avenue, Silver Spring, Maryland 2091 Development Applications and Regulatory Coordination Division: 301.495.4550 Fax: 301.495.1306

0

UP NO #--

www.MongtomeryPlanning.org

SEQUENCE OF CONSTRUCTION

EX.LIGHT POLE

PRIOR TO CLEARING TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCDPS) SEDIMENT CONTROL INSPECTOR (240) 777-6210 (48 HOURS NOTICE) AND THE MNCPPC, PLANNING DEPARTMENT, PLANS ENFORCEMENT INSPECTOR (301) 495-4571 (48 HOURS NOTICE), THE OWNERS REPRESENTATIVE, AND THE SITE ENGINEER.

- 2. 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 MNCPPC INSPECTOR, AND MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCDPS) SEDIMENT CONTROL INSPECTOR CERTIFYING THAT THE LIMITS OF DISTURBANCE AND TREE PROTECTION MEASURES ARE CORRECTLY MARKED AND INSTALLED PRIOR TO
- 4. CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- 5. INSTALL STABILIZED CONSTRUCTION ENTRANCE, TREE PROTECTION FENCE AND SILT
- 6. ON STABILIZED CONSTRUCTION ENTRANCE INSTALL SUMP PIT AT SOUTHEAST CORNER OF
- ONCE THE SEDIMENT CONTROL DEVICES ARE INSTALLED, THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE INSPECTOR BEFORE PROCEEDING WITH AN ADDITIONAL CLEARING, GRUBBING, OR GRADING.
- 8. UPON RECEIPT OF APPROVAL FROM THE INSPECTOR, COMPLETE EXISTING IMPROVEMENTS

LOT 42 AND 43 GUDE AND ABRAHAM'S ADDITION

TO BLOCK 1

GEORGE A. GUDE PROPERTY

PB WWW 29 PG 73

LANDS OF

AN WG TAKOMA LP

LIBER 48188 FOLIO 235

TM: KN12 00 000 0025 42

GUDE AND ABRAHAM'S ADDITION TO BLOCK

GEORGE A. GUDE PROPERTY

PLAT NO. 21727

LANDS OF AN WG TAKOMA LP

LIBER 48188 FOLIO 235

TM: KN12 00 000 0025 55

AREA: 85,939 S.F. OR 1.97289 AC. (M&R)

EX.LIGHT POLE

CONC. CURB W/ 1.3' GUTTER

GENERAL DEMOLITION NOTES

1. THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY

LTA/ACSM LAND TITLE SURVEY: **BOHLER ENGINEERING**

PROJECT NO.: SB14200601

"7681 NEW HAMPSHIRE AVE **ELECTION DISTRICT NO.13** MONTGOMERY COUNTY, MARYLAND" REVISED: 01/08/15

- 2. 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
- 3. BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME
- 4. 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
- 5. 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 THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.
- 6. PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:
- A.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

EX.LIGHT POLE

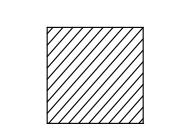
CONC-

STANDARD SYMBOLS

LEGEND SILT FENCE ON PAVEMENT

SILT FENCE TREE PROTECTION FENCE

STOCKPILE AREA





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

LIMIT OF DISTURBANCE = 0.58 ± AC. GENERAL EXISTING CONDITIONS NOTES:

DEVELOPER/APPLICANT:

JBG/TAKOMA RETAIL CENTER, L.L.C. 4445 WILLARD AVE., SUITE 400 CHEVY CHASE, MD 20815

2. THIS PLAN IS BASED UPON THE FOLLOWING:

PREPARED BY BOHLER ENGINEERING **BOUNDARY & TOPOGRAPHIC SURVEY TITLED:** "LANDS OF JBG/TAKOMA RETAIL CENTER, L.L.C. LIBER 48188 FOLIO 235 (13TH) ELECTION DISTRICT MONTGOMERY COUNTY, MARYLAND" PREPARED BY: BOHLER ENGINEERING FIELD DATE: 12/09/14 DATED: 12/10/14

- 3. TOTAL FORESTED AREA DISTURBED: 0 SQ FT
- 4. TOTAL TRACT AREA: 0.56 AC ±

PROJECT NO.: SB14200601

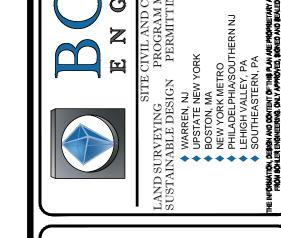
5. CURRENT ZONING: CRT

//////////

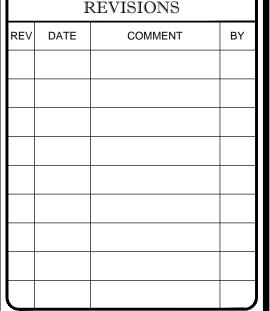
- 6. THERE ARE NO WETLANDS, WATERS OF THE UNITED STATES, 100 YEAR FLOOD PLAINS OR THEIR ASSOCIATED BUFFERS LOCATED WITHIN 100' OF THE PROPERTY, NOR IS THE SITE WITHIN AN SPA.
- 7. THE PROPERTY IS LOCATED IN THE ANACOSTIA RIVER WATERSHED.
- 8. THERE IS NO EXISTING FOREST ON-SITE.
- 9. THE PROPERTY IS KNOWN AS THE LANDS OF MONTGOMERY COUNTY, MARYLAND AS RECORDED IN LIBER 50665 AT FOLIO 227 AMONG THE LAND RECORDS OF MONTGOMERY COUNTY, MARYLAND AND HAVING A TAX MAP REFERENCE NUMBER OF
- THIS PROPERTY MAY BE SUBJECT TO RESTRICTIONS. COVENANTS AND/ OR EASEMENTS, WRITTEN OR IMPLIED. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
- 11. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE, SOURCE INFORMATION FROM PLANS AND MARKINGS HAS BEEN COMBINED WITH OBSERVED EVIDENCE OF UTILITIES TO DEVELOP A VIEW OF THOSE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY. COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.
- 12. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
- 13. UNDERGROUND GAS AND ELECTRIC UTILITIES ARE SHOWN PER MARKOUT AND FIELD LOCATION. GAS, WATER, SEWER AND CABLE UTILITIES ARE SHOWN PER PLANS RECEIVED FROM UTILITY COMPANIES AND LOCAL GOVERNMENT.
- 14. THE SUBJECT PROPERTY IS NOT IDENTIFIED IN THE MONTGOMERY COUNTY LOCATION ATLAS AND INDEX OF HISTORIC SITES.
- 15. PUBLIC UTILITY EASEMENTS AND RIGHT-OF-WAYS WILL BE PROVIDED AS NEEDED ON-SITE TO ALLOW FOR WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND CABLE SERVICE TO THE PROPOSED BUILDING.

SURVEY REFERENCES:

- 1. THE MARYLAND DEPARTMENT OF ASSESSMENT AND TAXATION FOR MONTGOMERY
- 2. 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 480 OF 480", COMMUNITY-PANEL NUMBER 24031C0480D, WITH A MAP EFFECTIVE DATE OF



[T]





/ 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257-77 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-85 NOT APPROVED FOR

AS SHOWN

CONSTRUCTION PROJECT No DRAWN BY:

TACO BELL TAKOMA PARK

CHECKED BY:

MUY

ΓACO BELL LOCATION OF SITE 1300 HOLTON LANE

TAKOMA PARK, MD 20912

MONTGOMERY COUNTY



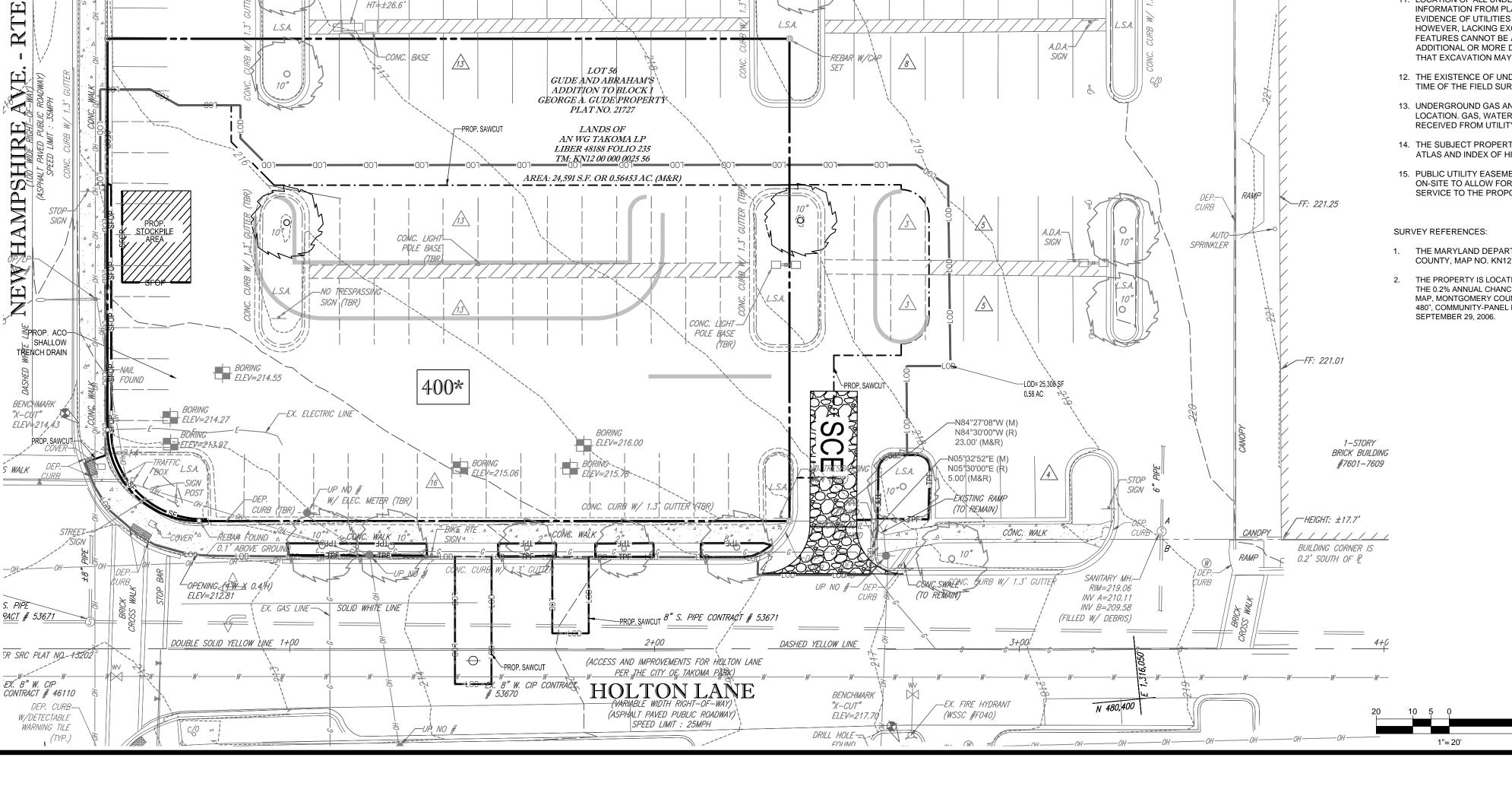
16701 MELFORD BLVD, SUITE 310 **BOWIE, MARYLAND 20715** Phone: (301) 809-4500 Fax: (301) 809-4501 MD@BohlerEng.com

PROGRESS SET 3/09/16 **FOR BIDDING PURPOSES**

PHASE I - EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER:

I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DCUMENTS 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



IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT

ORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE

WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUT

PECIFICATIONS OR APPLICABLE CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD

PTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND



an authorized representative of the Department.

- 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
- 2. 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
- C. During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to commencing construction is mandatory.
- D. Prior to removal or modification of any sediment control structure(s).
- E. Prior to final acceptance.
- The permittee shall construct 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 disturbances, 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
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be
- a) 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
- b) 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

- 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 borrow 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 SC/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 nonmaintenance 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.
- 15. 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
- All trap elevations are relative to the outlet elevation, which must be on existing undisturbed
- Vegetative stabilization shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control.
- Sediment trap(s)/basin(s) 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 traps/basins shall be placed and stabilized in approved areas, but not within
- 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 the 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 <u>each</u> 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
- the pump intake may utilize a Removable Pumping Station and must discharge into an ndisturbed 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 <u>must</u> have prior approval by the DPS inspector.

Topsoiling, and Soil Amendments"

N 480,650

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

/--"X-CUT" SET

MATCH EX C 215.7±

G 215.9±, ГС 216.10±

BC 215.50

—EX. ELECTRIC LIN

-PROP. WALL W/ HANDRAIL

CONNECT TO EX, WALL

ZMATCH₄EX . N

LIMITS OF BURIED-

FOUNDATION

PROP. ACO-SHALLOW -TRENCH DRAIN

MATCH EX

ELEV=214,43

RIM=212.16≥

INV=202.11

6 6

APPROX. LOC-

GAS LINE PER REFERENCE #2

UNDERGROUND

- Topsoil must be applied to all pervious areas within the limits of disturbance prior to permanent stabilization in accordance with MDE "Standards and Specifications for Soil Preparation,
 - 1. EXCAVATE UNSUITABLE SOILS AND INSTALL ENGINEERED BACKFILL.
 - INSTALL BUILDING FOOTINGS.
 - 3. BEGIN VERTICAL CONSTRUCTION OF BUILDING.
 - 4. INSTALL WATER, SANITARY LINE, GAS AND ELECTRIC TO BUILDING CONNECTION POINTS.
 - 5. CONSTRUCT MICRO-BIORETENTION AREA AND COMPLETE SITE GRADING.

-PROP. SAWCUT

- 6. ALL LANDSCAPE AREAS SHALL BE SEEDED, MULCHED AND/OR PLANTED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS.
- 7. COMPLETE LANDSCAPE INSTALLATION AND FINAL STABILIZATION.
- 8. CONSTRUCT BIO RETENTION FACILITIES 9. SUBMIT AS BUILT PLANS TO CITY OF TAKOMA PARK FOR APPROVAL

SEQUENCE OF CONSTRUCTION

- 10. ONCE SITE IS STABILIZED, CALL INSPECTOR AND UPON WRITTEN APPROVAL FROM THE INSPECTION, REMOVE ALL SEDIMENT CONTROL DEVICES, AND STABILIZE AS NEEDED.
- 11. GENERAL CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SILT LADEN RUNOFF LEAVING THE SITE. PERIMETER CONTROLS SHOULD BE CHECKED DAILY AND ADJUSTED AND/OR 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.

LOT 42 AND 43

GUDE AND ABRAHAM'S ADDITION

TO BLOCK 1

GEORGE A. GUDE PROPERTY

PB WWW 29 PG 73

LANDS OF AN WG TAKOMA LP

LIBER 48188 FOLIO 235 TM: KN12 00 000 0025 42

EAND ABRAHAM'S ADDITION TO BLOCK .

GEORGE A. GUDE PROPERTY

PLAT NO. 21727

LANDS OF

AN WG TAKOMA LP

LIBER 48188 FOLIO 235

TM: KN12 00 000 0025 55

AREA: 85,939 S.F. OR 1.97289 AC. (M&R)

G 215.12±

PROP. SAWCUT

(ACCESS AND IMPROVEMENTS FOR HOLTON LANE

PER THE CITY OF TAKOMA PARK)

(ASPHALT PAVED PUBLIC ROADWAY)

SPEED LIMIT : 25MPH

GENERAL GRADING NOTES

PROP. SAWCU

BENCHMARK

ELEV=217.70

"X-CUT"

DRILL HOLE -

_ofFOUND

0.58 AC

RIM=219.06

N 480,400

INV A = 210.11

INV B=209.58

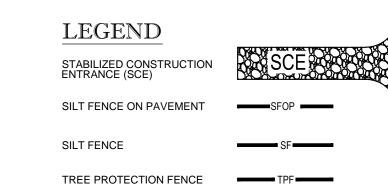
(FILLED W/ DEBRIS)

-N84°27'08"W (M)

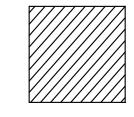
N84°30'00"W (R) 23.00' (M&R)

- 1. 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/OR 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.
- 2. 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.
- 3. 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.
- 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 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.
- 5. 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

STANDARD SYMBOLS



STOCKPILE AREA





URBAN LAND *NOTE: ALL SOILS ON SITE ARE URBAN LAND

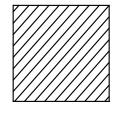
LIMIT OF DISTURBANCE = 0.58 ± AC.

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.





[T]



NOT APPROVED FOR CONSTRUCTION

-	
PROJECT No.:	MB14200601
DRAWN BY:	AL
CHECKED BY:	BLF
DATE:	01/08/16
SCALE:	AS SHOWN
CAD LD.:	SCO

TACO BELL TAKOMA PARK

MUY

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



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

PROGRESS SET 3/09/16 **FOR BIDDING PURPOSES**

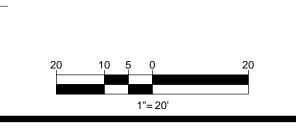
PHASE II - EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER:

BUILDING

0.2' SOU

I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DCUMENTS 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



IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT ORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE

VRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE

PTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

ECIFICATIONS OR APPLICABLE CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD





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.
- 2. The permittee must obtain inspection and approval by DPS at the following points:
- A. At the required pre-construction meeting.
- Following installation of sediment control measures and prior to any other land disturbing
- C. During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to commencing construction is mandatory.
- Prior to removal or modification of any sediment control structure(s).
- Prior to final acceptance.
- The permittee shall construct all erosion and sediment control measures per the approved plan and construction sequence, shall have them inspected and approved by the Department prior to peginning any other land disturbances, 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
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:
- a) 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
- b) Seven (7) calendar days as to all other disturbed or graded areas on the project site not under
- 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 borrow 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
- 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 SC/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 8. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. 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.
- 12. 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.
- 13. 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 nonmaintenance 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.
- 14. 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.
- 15. 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.
- 16. 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.
- 17. All inlets in non-sump areas shall have asphalt berms installed at the time of base paving
- 18. The sediment control inspector has the option of requiring additional sediment control measures, as
- 19. All trap elevations are relative to the outlet elevation, which must be on existing undisturbed
- Vegetative stabilization shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control.
- 21. Sediment trap(s)/basin(s) 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.
- 22. Sediment removed from traps/basins shall be placed and stabilized in approved areas, but not within a floodplain.
- 23. 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 the 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.
- 24. 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.
- 25. 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
- 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 <u>must</u> 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.
- Topsoil must be applied to all pervious areas within the limits of disturbance prior to permanent stabilization in accordance with MDE "Standards and Specifications for Soil Preparation, Topsoiling, and Soil Amendments".

GRADING NOTES

- 1. SITE GRADING MUST BE PERFORMED 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, CURB, 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
- 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
- 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 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.
- 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.
- 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
- 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
- ARCHITECTURAL PLANS.
- 9. 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.
- 10. 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.

STAGE		COUNTY	OWNER/ DEVELOPER
required at required to telephone the owner/ arrangeme completed and recons	DRY NOTIFICATION: Inspection and approval of each practice is these points prior to proceeding with construction. The permittee is give the MCDPS Inspector twenty-four (24) hours notice (DPS 240-777-0311). The DPS inspector may waive an inspection, and allow developer to make the required inspection per a prior scheduled ent which has been confirmed with the DPS inspector in writing. Work without MCDPS approval may result in the permittee having to remove struct the unapproved work. Upon completion of the project, a formal er Management As-Built must be submitted to MCDPS unless a	INITIALS/DATE	INITIALS/DAT
Record Di listed below	rawing Certification has been allowed instead. Each of the steps w must be verified by either the MCDPS Inspector OR the		
Record D	rawing Certification has been allowed instead. Each of the steps w must be verified by either the MCDPS Inspector OR the		
Record Di listed belo Owner/De	waving Certification has been allowed instead. Each of the steps we must be verified by either the MCDPS Inspector OR the veloper. Excavation for Micro Bioretention facility conforms to approved		
Record Di listed belo Owner/De	rawing Certification has been allowed instead. Each of the steps we must be verified by either the MCDPS Inspector OR the veloper. Excavation for Micro Bioretention facility conforms to approved plans Placement of stone backfill and underdrain system conforms to		
Record Do listed belo Owner/De 1.	rawing Certification has been allowed instead. Each of the steps of which was a second of the steps of which was a second of the steps of which was a second of the weloper. Excavation for Micro Bioretention facility conforms to approved plans Placement of stone backfill and underdrain system conforms to approved plans		

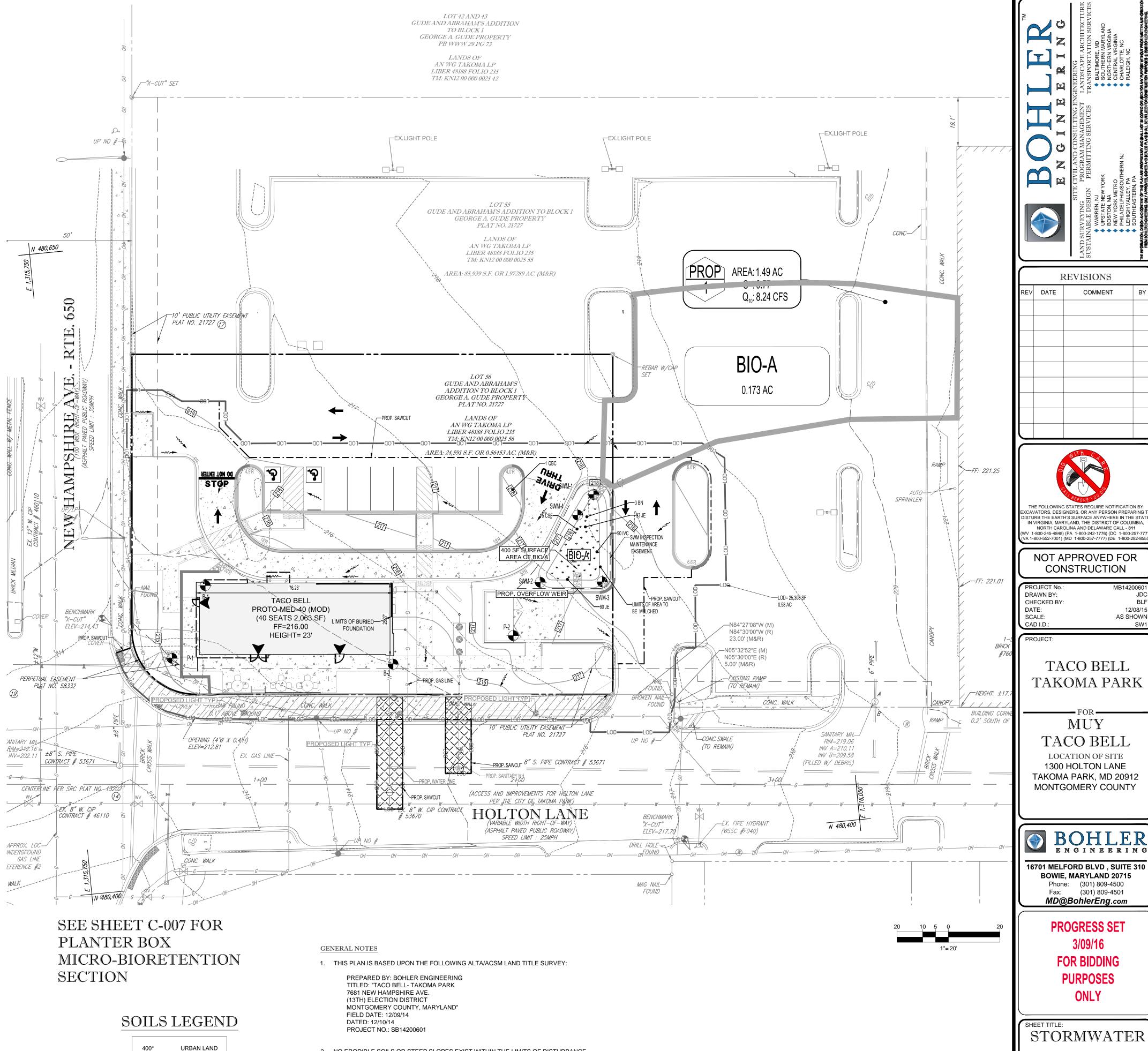
TOTAL NUMBER OF MICRO BIORETENTION FACILITIES INSTALLED PER THIS PERMIT

APPROVED _____ CONSTRUCTED ____

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
- 4. Manufactured sand or stone dust is not acceptable under any circumstance.



2. NO ERODIBLE SOILS OR STEEP SLOPES EXIST WITHIN THE LIMITS OF DISTURBANCE.

3. REDEVELOPMENT STORMWATER WQv COMPUTATIONS:

TOTAL REQUIRED AREA TO BE TREATED = 6,075 SF TOTAL PROVIDED AREA TO BE TREATED = 7,536 SF

VOLUME REQUIRED TO BE TREATED = 962 CF

VOLUME PROVIDED TO BE TREATED = 1,144 CF

LIMIT OF DISTURBANCE = 0.58 ACRES

EXISTING IMPERVIOUS AREA = 0.56 ACRES PROPOSED IMPERVIOUS AREA = 0.44 ACRES REDUCED IMPERVIOUS AREA = 0.12 ACRES OR 20.7%

*NOTE: ALL SOILS ON SITE ARE URBAN LAND

LIMIT OF DISTURBANCE = 0.58 ± AC.

ESD PRACTICE

AREA (SF)

7536

MICRO-BIO ESDv

PROVIDED (CF)

SUMMARY

REVISIONS

AVATORS, DESIGNERS, OR ANY PERSON PREPARING

NORTH CAROLINA AND DELAWARE CALL - 811

NOT APPROVED FOR

CONSTRUCTION

TACO BELL

MUY

TACO BELL

LOCATION OF SITE

1300 HOLTON LANE

TAKOMA PARK, MD 20912

MONTGOMERY COUNTY

BOWIE, MARYLAND 20715

Phone: (301) 809-4500 Fax: (301) 809-4501

MD@BohlerEng.com

PROGRESS SET

FOR BIDDING

PURPOSES

AND GRADING

PLAN

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

LEGEND

LIMITS OF

(LOD)

DISTURBANCE

DRAINAGE AREA

TAKOMA PARK

AS SHOWN

COMMENT

DATE

SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE 1 WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITU TANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

T IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT

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 13/4" 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**

Material Specifications

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

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 microbioretention 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 hoes to remove original soil. If practices are

B.4.4

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

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 refracture the soil profile through the 12 inch compaction zone. Substitute 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

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,

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 1/8th 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 defeats, 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

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

Material	Specification	Size	Notes
Plantings	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)		
Mulch	shredded hardwood		aged 6 months, minimum; no pine or wood chips
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"	
Geotextile		n/a	PE Type 1 nonwoven
Gravel (underdrains and infiltration berms)	AASHTO M-43	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 underneath pipes. Perforated pipe shall be wrapped with ¼-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 State 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 350.R/89; vertical loading [H-10 or H-20]; allowable horizontal loading (based on soil pressures); and analysis of potential cracking
Sand	AASHTO-M-6 or ASTM-C-33	0.02" 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

SODDED -

SLOPES

SURFACE BOTTOM = 216.00

MEDIA BOTTOM/SAND TOP = 211.75

SAND BOTTOM/GRAVEL TOP = 211.25

GRAVEL BOTTOM = 203.00

MULCH BOTTOM/MEDIA TOP = 215.75

-3" DEEP MULCH LAYER

-4' DEEP FILTERING MEDIA

—SODDED

SLOPES

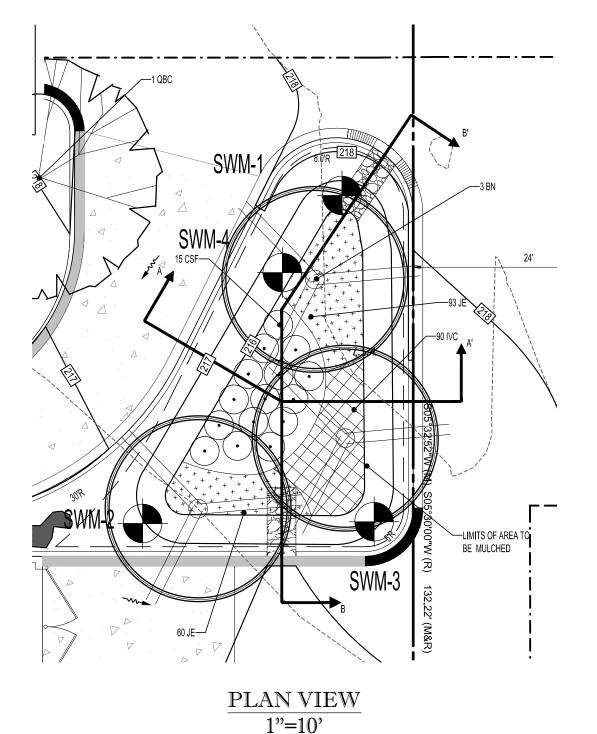
MSHA #7 WASHED GRAVEL

FILTER CLOTH

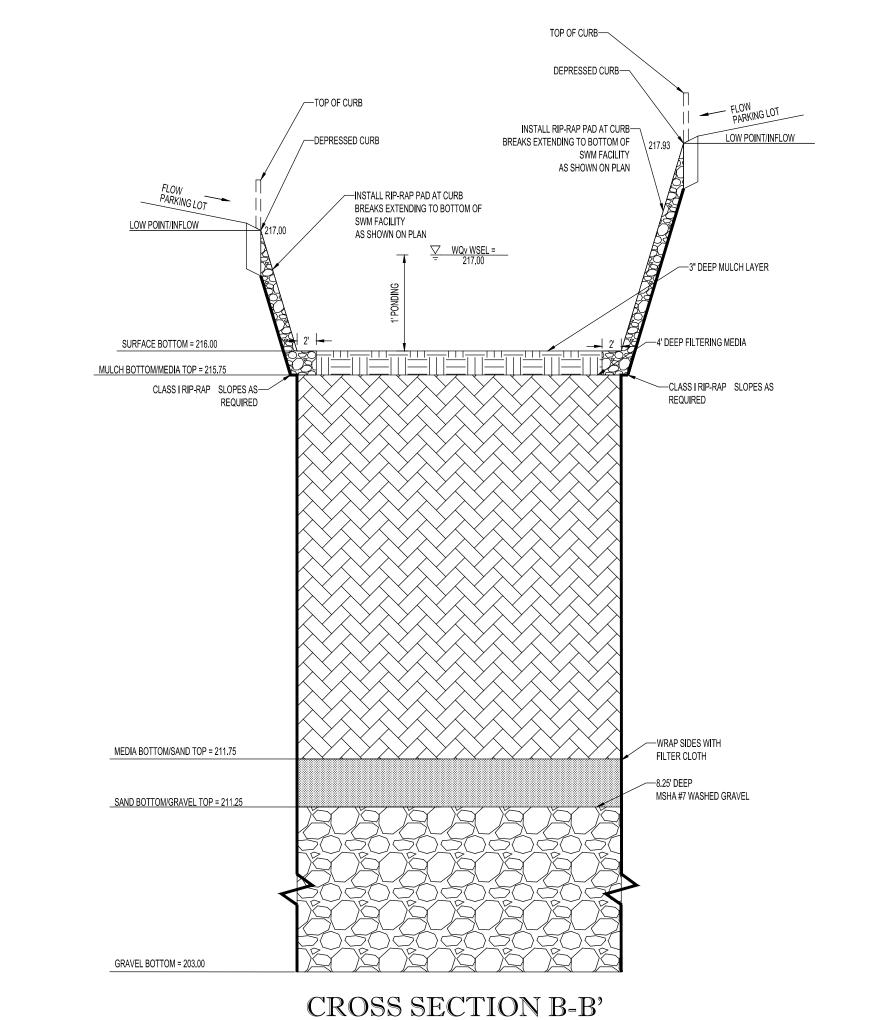
CROSS SECTION A-A'

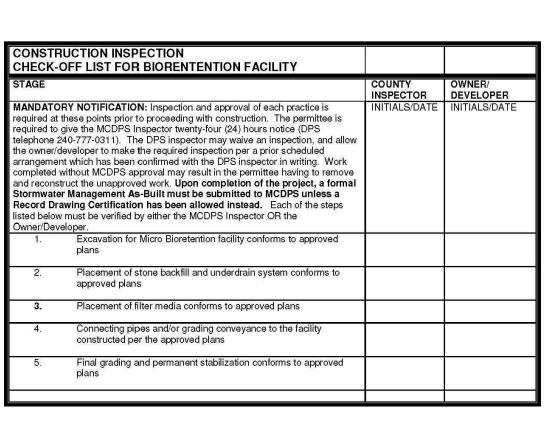
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)					-
BN	3	BETULA NIGRA	MULTI STEM RIVER BIRCH	12-14'	B+B
SUBTOTAL:	3				
DECIDUOUS SHRUB(S)					
CSF	15	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	2-3'	B+B
SUBTOTAL:	15				
PERENNIAL(S)					
IVC	90	IRIS VERSICOLOR	BLUE FLAG IRIS	PLUG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

MICRO-BIORETENTION LANDSCAPE SCHEDLILE



	OFF LIST FOR BIORENTENTION FACILITY		
STAGE		COUNTY INSPECTOR	OWNER/ DEVELOPER
equired to elephone he owner/ arrangeme completed and recons	these points prior to proceeding with construction. The permittee is give the MCDPS Inspector twenty-four (24) hours notice (DPS 240-777-0311). The DPS inspector may waive an inspection, and allow developer to make the required inspection per a prior scheduled int which has been confirmed with the DPS inspector in writing. Work without MCDPS approval may result in the permittee having to remove struct the unapproved work. Upon completion of the project, a formal		
Record Dr isted belov Dwner/Dev			
Record Dr isted belov	rawing Certification has been allowed instead. Each of the steps w must be verified by either the MCDPS Inspector OR the		
Record Dr isted belov Dwner/Dev	rawing Certification has been allowed instead. Each of the steps of must be verified by either the MCDPS Inspector OR the veloper. Excavation for Micro Bioretention facility conforms to approved		
Record Dr isted below Dwner/Dew 1.	rawing Certification has been allowed instead. Each of the steps we must be verified by either the MCDPS Inspector OR the veloper. Excavation for Micro Bioretention facility conforms to approved plans Placement of stone backfill and underdrain system conforms to		
Record Dr isted belov Dwner/Dev 1.	rawing Certification has been allowed instead. Each of the steps of must be verified by either the MCDPS Inspector OR the veloper. Excavation for Micro Bioretention facility conforms to approved plans Placement of stone backfill and underdrain system conforms to approved plans		





IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT RK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO HE 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 CONSTITUT PTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

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

C:\USERS\AKHAN\APPDATA\LOCAL\TEMP\ACPUBLISH_18848\UNSAVED DRAWING10.DWG PRINTED BY: AKHAN 3.09.16 @ 12:25 PM LAST SAVED BY: JCADW





NOT APPROVED FOR CONSTRUCTION

DRAWN BY: CHECKED BY: SCALE: AS SHOWN

> TACO BELL TAKOMA PARK

MUY TACO BELL LOCATION OF SITE 1300 HOLTON LANE

BOHLER ENGINEERING

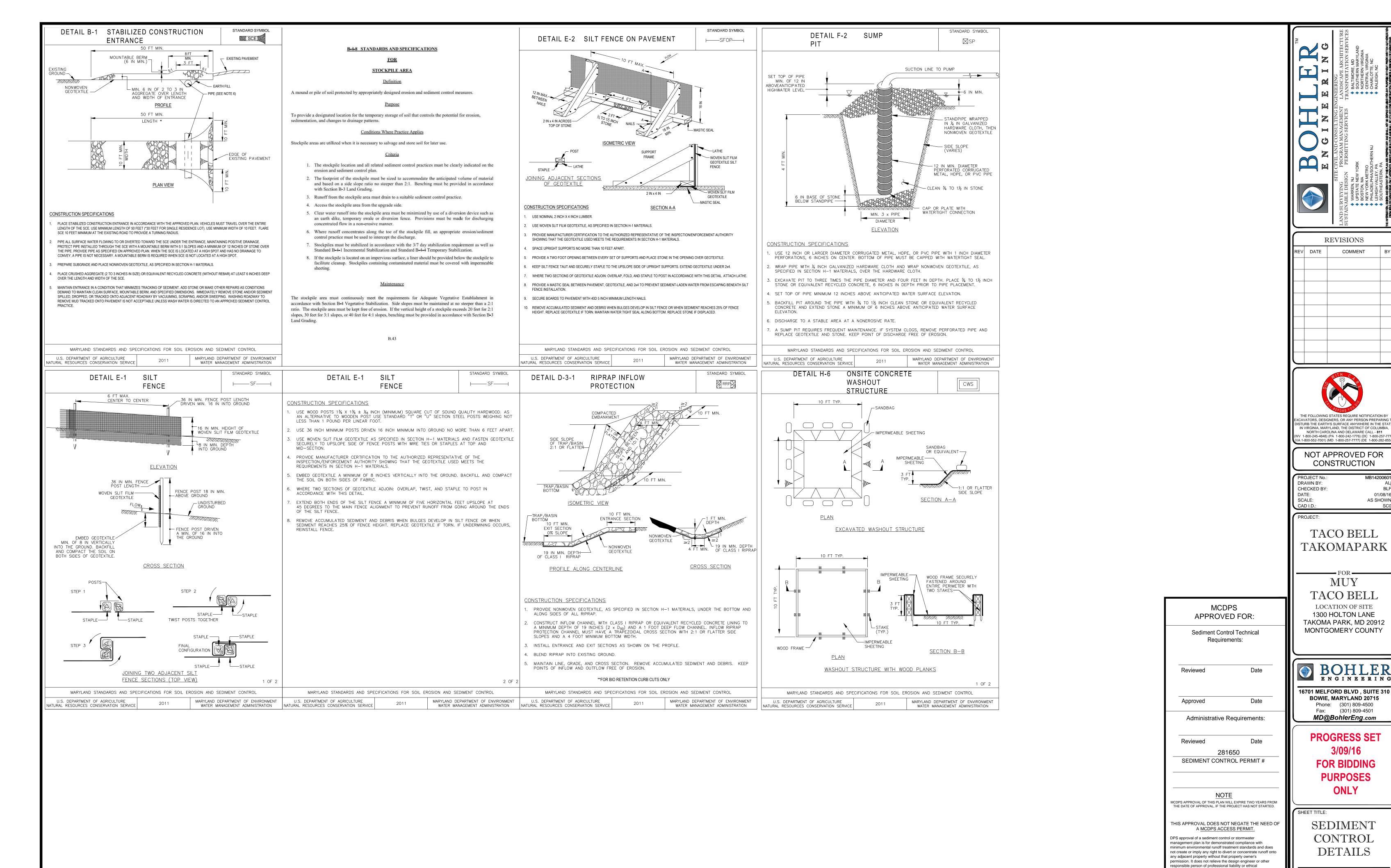
TAKOMA PARK, MD 20912

MONTGOMERY COUNTY

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

> **PROGRESS SET** 3/09/16 **FOR BIDDING PURPOSES**

TRENCH DRAIN PROFILE AND MICRO-BIO DETAILS



COMMENT

AS SHOWN

responsibility for the adequacy of the drainage design as it

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

affects uphill or downhill properties.

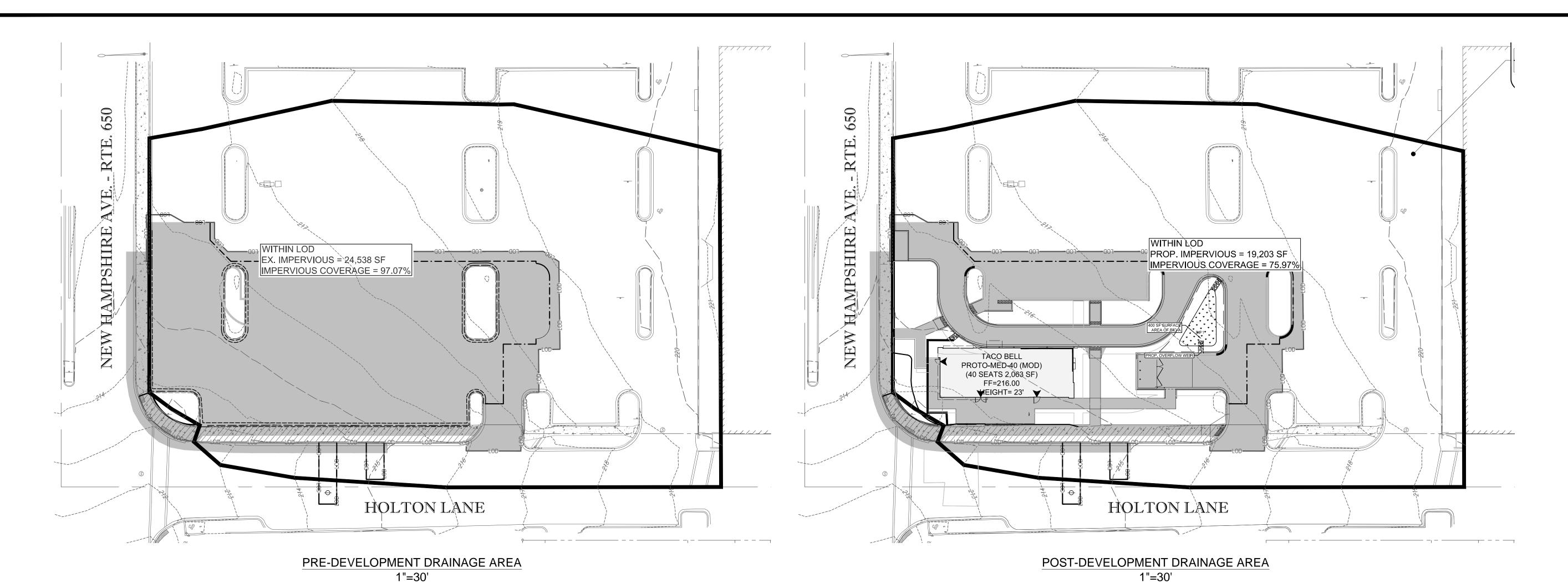
SHEET NUMBER:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT

VORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE $^\circ$ SPECIFICATIONS OR APPLICABLE CODES IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD I

WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE

PTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND



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 ESI PROVIDED (CF						
BIO-A	7536	1188				

City of Takoma Park

Silver Spring, MD 20910

May 12, 2015

Bohler Engineering 16701 Melford Blvd. Bowie, MD 20715

Telephone: 301-891-7633

5/12/2015May 12, 2015FAX: 301-

585-2405

Mr. Bradford Fox, P.E.

Re: SWC 15-03-01 Takoma 7681 New Hampshire Avenue,

Takoma Park MD (Taco Bell)

required by this chapter".

This is to inform you that the above reference application has been reviewed. The referenced Concept Approval application and response package submitted on 5/12/2015 were found acceptable. A tree protection plan approved by the City Arborist, if required for this project should be obtained as a condition of this approval.

Please refer to Takoma Code title 16 for complete description of Stormwater Management Plan Permit requirements. A summary expert of SWM Permit requirement documents is listed below for your convenience.

- 1. SWM Permit application,
- 2. Three (3) Copies of the final SWM plans 3. Sediment and Erosion Control set of plans approved by MC DPS.
- 4. Construction cost estimate of SWM facilities for the propose of setting the Bond 5. A Permit fee Equal to 10 % of the total cost of SWM facilities
- 6. A performance Bond equal to the approved construction cost of the SWM facilities 7. Declaration of Covenants inspection/Maintenance of Stormwater Management System
- 8. Maintenance schedule developed for the life of SWM facilities installed on the Plans 9. Schedule for staged inspection and reports (Takoma Code 16.04.210, 16.04.260).

10. Takoma Park Code Section 16.04.30 provides that " "The City Manager, in his or her sole discretion, may accept the certification of a registered professional engineer licensed in Maryland in lieu of any inspection during construction

Under this option, the owner shall in a letter name the professional engineer registered in Maryland who would be providing inspection and certification for all the stages of construction described in the referenced section of Takoma Code including preparation and presentation of the final As- Built plans and certifications.

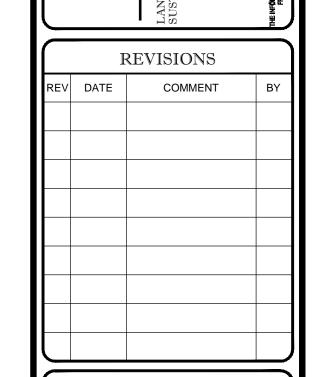
SWC 15-03-01 for 7681 New Hampshire Avenue, Takoma Park MD (Taco Bell)

cc: Daryl Braithwaite Todd Bolton

Upon Completion of the project and prior to Bond release, an as-built plan of the SWM facilities along with certification by a professional engineer shall be submitted to this department. I appreciate the opportunity to be of service; should you require additional assistance please call the undersigned at 301-8917620.

Ali Khalilian, P.E. City Engineer City of Takoma Park LIMITS OF DISTURBANCE (LOD)

LEGEND IMPERVIOUS AREA WITHIN LOD ——LOD—— DRAINAGE AREA





NOT APPROVED FOR CONSTRUCTION

PROJECT No.:	MB14200601
DRAWN BY:	JDC
CHECKED BY:	BLF
DATE:	12/08/15
SCALE:	AS SHOWN
04515	0144

TACO BELL TAKOMA PARK

MUY

TAKOMA PARK, MD 20912

MONTGOMERY COUNTY

TACO BELL LOCATION OF SITE 1300 HOLTON LANE



16701 MELFORD BLVD, SUITE 310 **BOWIE, MARYLAND 20715** Phone: (301) 809-4500 Fax: (301) 809-4501

PROGRESS SET

MD@BohlerEng.com

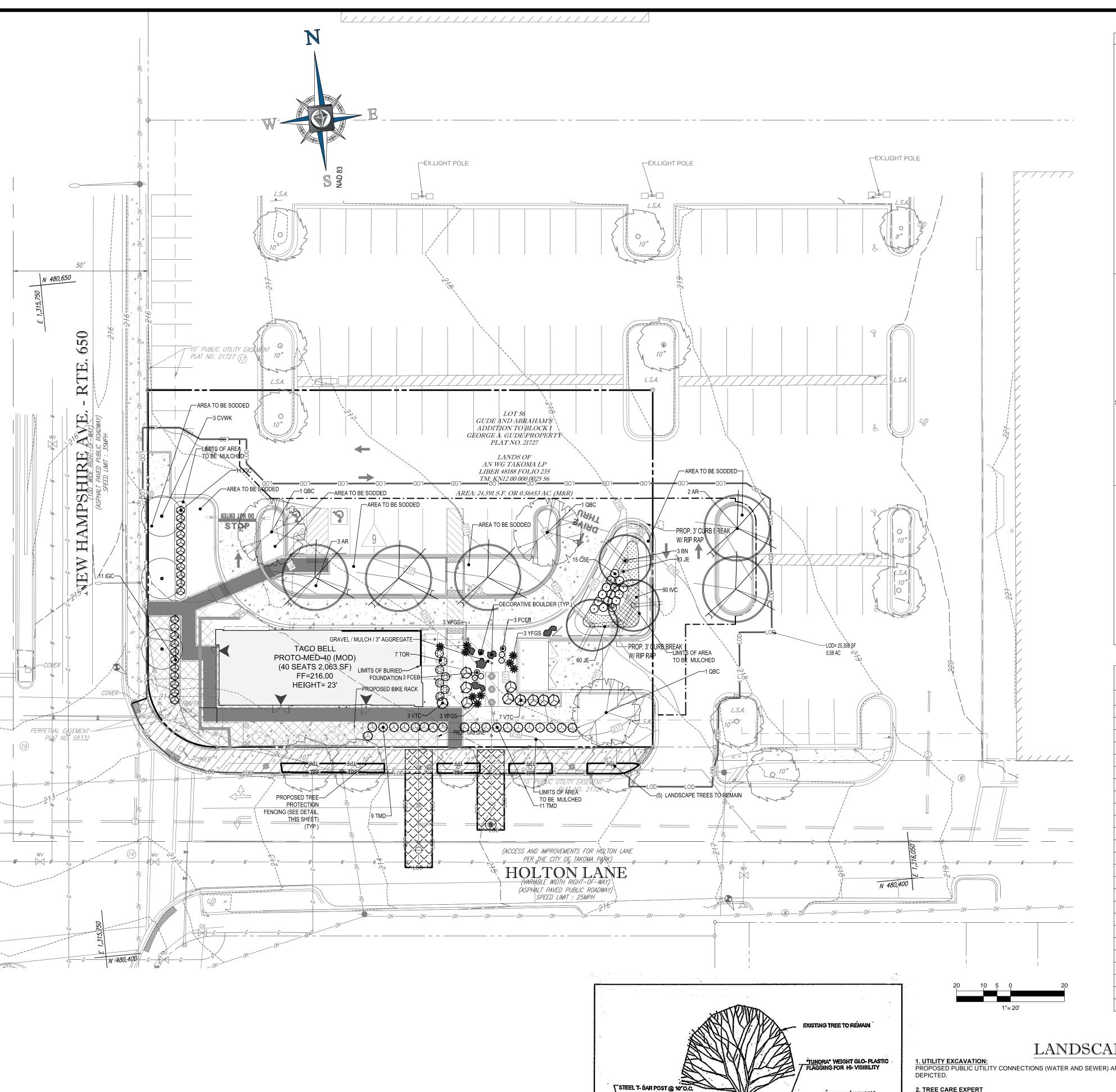
FOR BIDDING PURPOSES

DRAINAGE AREA MAP'S

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

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT ORK SCOPE PRIOR TO THE INITIATION 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 II



SECTION	<u>REQUIREMENTS</u>	CALCULATIONS/PROPOSED	COMPLIA
	PARKING FACILITIES LOCATED ADJACENT TO A STREET RIGHT-OF-WAY SHALL PROVIDE A LANDSCAPING STRIP AT LEAST 10 FEET IN WIDTH. THIS AREA SHALL BE PLANTED WITH EITHER SHADE OR ORNAMENTAL TREES. A MINIMUM OF ONE TREE FOR EVERY 40 FEET OF LOT FRONTAGE SHALL BE PROVIDED AS WELL AS AN EVERGREEN HEDGE (AT LEAST 3 FEET IN HEIGHT), A WALL OR FENCE, OR OTHER METHODS TO REDUCE THE VISUAL IMPACT OF THE PARKING FACILITY.	REQUIRED: NEW HAMPSHIRE AVE: 107 LF A MINIMUM WIDTH OF 10' HAS BEEN PROVIDED 107 LF/ 40 = 3 TREES PROVIDED: • 3 TREES • AN EVERGREEN HEDGE WHICH WILL OBTAIN A MINIMUM HEIGHT OF 3' AT MATURITY	COMPL
59-E-2.71 LANDSCAPE STRIP AREA ADJACENT TO A STREET R.O.W.		REQUIRED: HOLTON AVENUE: 162 LF A MINIMUM WIDTH OF 10' HAS BEEN PROVIDED 162 LF/ 40 = 4 TREES PROVIDED: • 5 EXISTING LARGE SHADE TREES • AN EVERGREEN HEDGE WHICH WILL OBTAIN A MINIMUM HEIGHT OF 3' AT MATURITY	COMPL
	PARKING FACILITIES NOT LOCATED ADJACENT TO A STREET RIGHT-OF-WAY SHALL PROVIDE A LANDSCAPING STRIP AT LEAST 4 FEET IN WIDTH. THIS AREA SHALL BE PLANTED WITH SHADE TREES. A MINIMUM OF ONE TREE FOR EVERY 40 FEET OF PROPERTY LINE SHALL BE PROVIDED.	REQUIRED: EAST PROPERTY LINE: 132 LF A MINIMUM WIDTH OF 10' HAS BEEN PROVIDED 132 LF/ 40 = 4 TREES PROVIDED: • 4 LARGE SHADE TREES	COMPL
59-E-2.72 LANDSCAPE STRIP AREA NOT ADJACENT TO A STREET R.O.W.		REQUIRED: NORTH PROPERTY LINE: 187 LF A MINIMUM WIDTH OF 10' HAS BEEN PROVIDED 187 LF/ 40 = 5 TREES PROVIDED: • 5 LARGE SHADE TREES	COMPL
	A MINIMUM OF 5 PERCENT OF THE INTERNAL AREA OF A SURFACE PARKING FACILITY SHALL BE LANDSCAPED WITH SHADE TREES. THE INTERNAL AREA OF A PARKING FACILITY IS DEFINED BY THE PERIMETER OF THE CURBS OR EDGE OF PAVING. THE INTERNAL AREA SHALL INCLUDE ALL PLANTING ISLANDS AND CORNER AREAS WITHIN THE FACILITY. THE SHADE TREES SHOULD BE DISTRIBUTED IN ORDER TO INCREASE SHADE. WHERE POSSIBLE, EXISTING TREES SHOULD BE SAVED FOR THIS PURPOSE.	PARKING LOT AREA: 13,422 S.F. (5%) = 672 S.F. REQUIRED 3,342 S.F. (GRASS) (17.4%) PROVIDED	
59-E-2.73 INTERNAL LANDSCAPING OF SURFACE PARKING FACILITY			COMPLI

		LANDSCAP	E SCHEDULE	4	
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)					
AR	5	ACER RUBRUM	RED MAPLE	2 1/2-3" CAL.	B+B
BN	3	BETULA NIGRA	MULTI STEM RIVER BIRCH	12-14'	B+B
QBC	3	QUERCUS BICOLOR	SWAMP WHITE OAK	2 1/2-3" CAL.	B+B
SUBTOTAL:	11				1
ORNAMENTAL TREE(S)	1				
CVWK	3	CRATAEGUS VIRIDIS 'WINTER KING'	WINTER KING HAWTHORN	2-2 1/2" CAL.	B+B
SUBTOTAL:	3				•
DECIDUOUS SHRUB(S)	1				
CSF	15	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	2-3'	B+B
VTC	10	VIBURNUM TRILOBUM 'COMPACTUM'	COMPACT AMERICAN CRANBERRYBUSH	36-48"	B+B
SUBTOTAL:	25				'
EVERGREEN SHRUB(S)	1				
IGC	22	ILEX GLABRA 'SHAMROCK'	INKBERRY HOLLY (FEMALE)	24-30"	#3 CAN, FEMALE ONLY
TMD	20	TAXUS X MEDIA 'DENSIFORMIS'	DENSIFORMIS YEW	24-30"	B+B
TOR	7	THUJA OCCIDENTALIS 'RHEINGOLD'	RHEINGOLD ARBORVITAE	24-30"	#3 CAN
SUBTOTAL:	49				1
PERENNIAL(S)					
IVC	90	IRIS VERSICOLOR	BLUE FLAG IRIS	PLUG	
JE	150	JUNCUS EFFUSUS	COMMON RUSH	PLUG	
YFGS	9	YUCCA FILAMENTOSA 'GOLDEN SWORD'	VARIEGATED ADAM'S NEEDLE	18-24"	#3 CAN
SUBTOTAL:	289				•
ORNAMENTAL GRASS(ES))				
FCEB	6	FESTUCA CINEREA 'ELIJAH'S BLUE'	BLUE FESCUE	1 GAL.	CONTAINER
SUBTOTAL:	6		1		1

LANDSCAPE NOTES

1. UTILITY EXCAVATION:
PROPOSED PUBLIC UTILITY CONNECTIONS (WATER AND SEWER) ARE LOCATED OUTSIDE CRITICAL ROOT ZONES AND CENTERED BETWEEN TREES AS

- 2X4 WIRE MESH FENCING

TREE PROTECTION FENCE NO SCALE

2. 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.

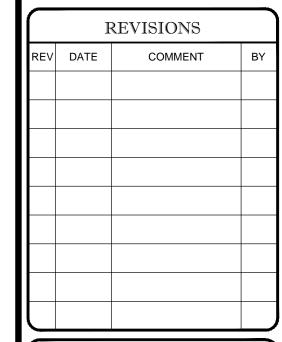
CONTRACTOR SHALL CONSTRUCT THE HOLTON LANE PROPOSED SIDEWALK THROUGH AREAS INTERNAL TO THE SITE AND SHALL AVOID OVERHEAD CONFLICTS WITH TREE CANOPIES AND OVERHEAD UTILITIES. CONTRACTOR SHALL LIMIT EXCAVATION TO MINIMAL DEPTH AND MINIMAL DISTURBANCE TO THE

SUBGRADE NECESSARY TO PROVIDE AN ADA COMPLIANT SIDEWALK.

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







NOT APPROVED FOR CONSTRUCTION

DRAWN BY:

SCALE:

TACO BELL TAKOMA PARK

MUY

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



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

PROGRESS SET 3/09/16 **FOR BIDDING PURPOSES**

LANDSCAPE PLAN



- 1. M-NCPPC 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 IS THE RESPONSIBILITY OF THE UNITATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO HE 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 CCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND II

LANDSCAPE SPECIFICATIONS

THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.

2. MATERIALS

- A. GENERAL ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.
- BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE
- LAWN ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM SIX INCH (6") THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT. AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED WITHIN THE SOIL EROSION AND SEDIMENT CONTROL NOTES.
- 1.2. SOD SHALL BE STRONGLY ROOTED. WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS.
-). MULCH THE MULCH AROUND THE PERIMETER OF THE BUILDING SHALL BE A 3" LAYER OF DOUBLE SHREDDED BLACK CEDAR MULCH ONLY. ALL OTHER AREAS SHALL BE MULCHED WITH A 3" LAYER OF DOUBLE SHREDDED DARK BROWN HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN.

E. FERTILIZER

1.2. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A

F. PLANT MATERIAL

- 1.1. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE
- 1.2. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT
- ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION. 1.4. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 11/4".
- WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES 1.5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH:
- WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, 1.6. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES
- BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.
- 1.8. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL

- B. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.

- B. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE TRUNK. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE
- CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.

. TREE PROTECTION

- . CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR 15 FEET FROM THE TRUNK OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED
- 3. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE'. OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED
- WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED. IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION. GRADING. TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
- D. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.

TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.

- 3. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.
- COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY
- INTO THE TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5. 1.2. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED
- MAY NEED TO BE ADDED TO INCREASE DRAINAGE 1.3. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED

A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION

- B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED.
- THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1"±).
- ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT
- AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.

- UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.
- B. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.
- . ALL PLANTING AND LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA):
- 1.2. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP

- 9. PLANTING A. INSOFAR THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE. LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.
- B. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.
- C. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED
- D. ALL PLANTING CONTAINERS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED
- E. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
- PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THI PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS UNLESS OTHERWISE APPROVED BY THE PROJECT LANDSCAPE ARCHITECT: 1.1. PLANTS: MARCH 15 TO DECEMBER 15
- 1.2. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1
- F. PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS
- G. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING
- PLATANUS X ACERIFOLIA ACER RUBRUM POPULOUS VARIETIES BETULA VARIETIES CARPINUS VARIETIES PRUNUS VARIETIES CRATAEGUS VARIETIES PYRUS VARIETIES KOELREUTERIA QUERCUS VARIETIES LIQUIDAMBER STYRACIFLUA TILIA TOMENTOSA LIRIODENDRON TULIPIFERA ZELKOVA VARIETIES
- H. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY: • 1 PART COMPOSTED COW MANURE BY VOLUME
- 3 PARTS TOPSOIL BY VOLUME • 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:
- A) 2 TABLETS PER 1 GALLON PLANT B) 3 TABLETS PER 5 GALLON PLANT

WATER THOROUGHLY

- C) 4 TABLETS PER 15 GALLON PLANT D) LARGER PLANTS: 2 TABLETS PER ½" CALIPER OF TRUNK
- J. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND
- K. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL
- L. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.
- M. GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.
- N. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.
- O. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.
- P. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.

10. TRANSPLANTING (WHEN REQUIRED) A. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT.

OR AUTHORIZED REPRESENTATIVE

- B. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT. SUN AND WIND.
- C. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30.
- D. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.
- E. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.
- F. IF TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

A. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL

- CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED. B. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED
- FOR ALL NEWLY PLANTED TREES. C. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE. IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF

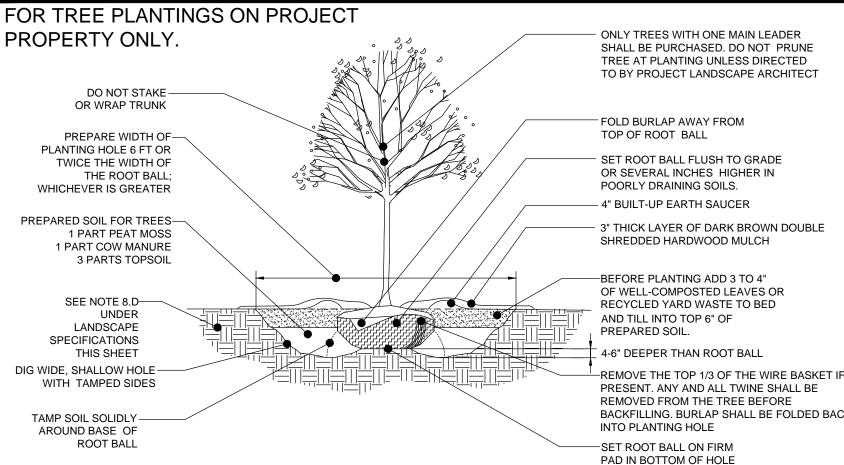
12. GUARANTEE (THIS IS ONLY A GUARANTEE BETWEEN THE OWNER AND CONTRACTOR AND IS NOT A JURISDICTIONAL REGULATORY ITEM WHICH IS ADDRESSED BY A SEPARATE BOND)

MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

- A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.
- B. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.
- C. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.
- D. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED B. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER

A. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE

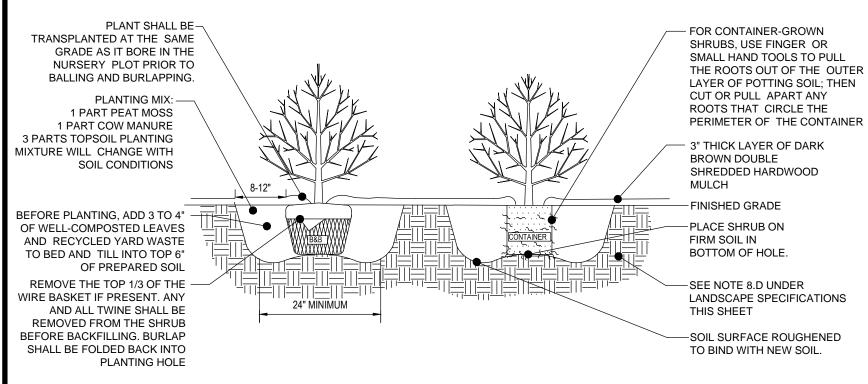
FOR EVERGREEN TREE PLANTINGS ON PROJECT PROPERTY ONLY. ONLY TREES WITH ONE MAIN LEADER SHALL BE PURCHASED. DO NOT PRUNE TREE AT PLANTING UNLESS DIRECTED TO BY PROJECT LANDSCAPE DO NOT STAKE OR FOLD BURLAP AWAY FROM TOP OF WRAP TRUNK ROOT BALL SET ROOT BALL FLUSH TO GRADE OR PREPARE WIDTH OF SEVERAL INCHES HIGHER IN PLANTING HOLE 6 FT OR TWICE THE WIDTH POORLY DRAINING SOILS. OF THE ROOT BALL 4" BUILT-UP FARTH SAUCER WHICHEVER IS GREATER 3" THICK I AVER OF DARK BROWN DOUBLE SHREDDED HARDWOOD MULCH PREPARED SOIL FOR TREES 1 PART PEAT MOSS 1 BEFORE PLANTING ADD 3 TO 4" PART COW MANURE 3 OF WELL-COMPOSTED LEAVES PARTS TOPSOIL OR RECYCLED YARD WASTE TO BED AND TILL INTO TOP 6" OF PREPARED SOIL SEE NOTE 8.D UNDER-4-6" DEEPER THAN ROOT BALL LANDSCAPE SPECIFICATIONS - REMOVE THE TOP 1/3 OF THE WIRE BASKET THIS SHEE IF PRESENT. ANY AND ALL TWINE SHALL BE DIG WIDE, SHALLOW HOLE-REMOVED FROM THE TREE BEFORE WITH TAMPED SIDES BACKFILLING. BURLAP SHALL BE FOLDED TAMP SOIL SOLIDLY AROUND BACK INTO PLANTING HOLE BASE OF ROOT BALL SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE REFERENCE: ARCHITECTURAL GRAPHIC STANDARDS 1998 CUMULATIVE SUPPLEMENT



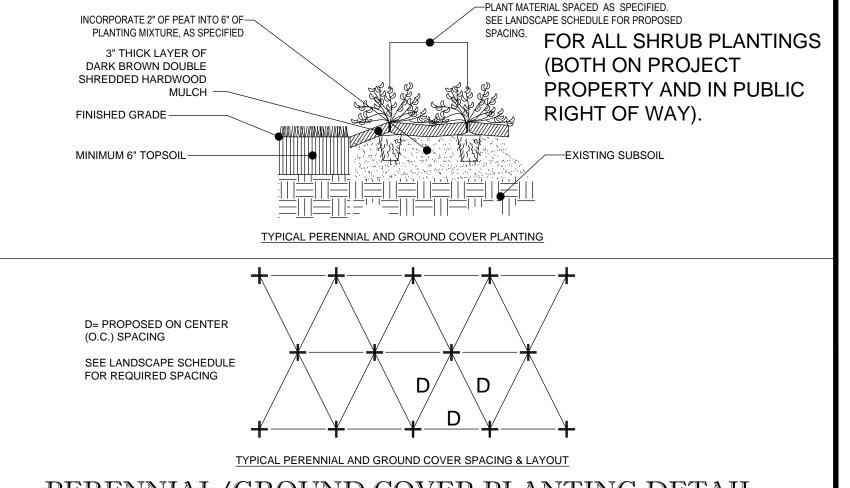
REFERENCE: ARCHITECTURAL GRAPHIC STANDARDS 1998 CUMULATIVE SUPPLEMENT. DECIDUOUS TREE PLANTING DETAIL

FOR ALL SHRUB PLANTINGS (BOTH ON PROJECT

PROPERTY AND IN PUBLIC RIGHT OF WAY).

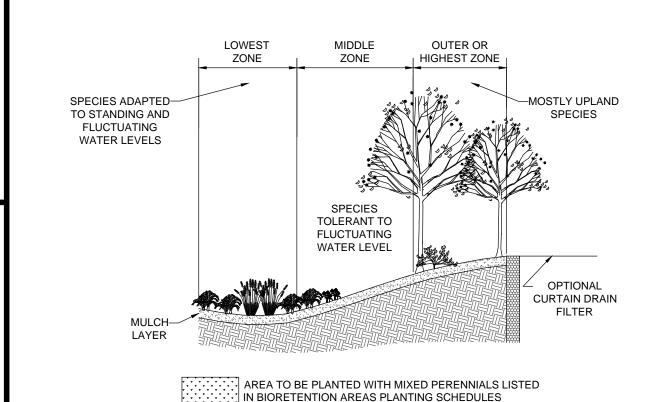


REFERENCE: ARCHITECTURAL GRAPHIC STANDARDS 1998 CUMULATIVE SUPPLEMENT DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL NOT TO SCALE



PERENNIAL/GROUND COVER PLANTING DETAIL NOT TO SCALE

CONTRACTOR TO IRRIGATE SEEDED AREA UNTIL AN ACCEPTABLE STAND OF COVER IS ESTABLISHED BY OWNER



SEEDING SPECIFICATIONS

PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF

PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND

GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING.

PLANTING ZONES FOR BIORETENTION FACILITIES

1/2 LB/1.000 SQ FT

1 1/2 LBS/1,000 SQ FT

1 1/2 LBS/1,000 SQ FT

90 LBS/1,000 SQ FT

1 LB/1,000 SQ FT

14 LBS/1.000 SQ FT

ALL DEBRIS LARGER THAN 2" DIAMETER

PERENNIAL RYEGRASS

SPREADING FESCUE

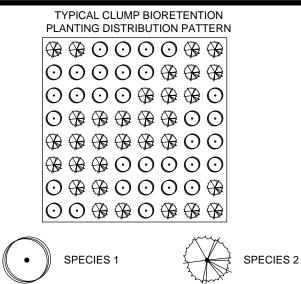
FERTILIZER (20:10:10)

KENTUCKY BLUEGRASS

SEEDING RATES

- HERBACEOUS PERENNIALS TO BE PLANTED 18" O.C. IN GROUPS BETWEEN 15 TO 20 PLUGS LANDSCAPE CONTRACTOR TO GROUP LIKE PLANTS TOGETHER IN EACH BED AS SHOWN IN PLANTING DISTRIBUTION
- ALL BIORETENTION AREAS ARE TO BE MULCHED WITH A 4" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH PLACEMENT OF THE PLANTING SOIL SHOULD BE IN 12" TO 18" LIFTS THAT ARE LOOSELY COMPACTED (TAMPED

TYPICAL PLANTING FOR **BIORETENTION AREAS** NOT TO SCALE



NATURALLY OCCURRING POPULATIONS TEND TO BE FOUND IN INFORMAL GROUPINGS. A CLUSTER OF PLANTS IS REALLY A MOSAIC OF DIFFERENT SPECIES GROUPS. THE OBJECTIVE IS TO SELECT THE APPROPRIATE SPECIES AND DISTRIBUTION PATTERN FOR A CHOSEN SITE THA MIMIC NATURAL PATTERNS.

PLANTING DISTRIBUTION PATTERN DETAIL NOT TO SCALE

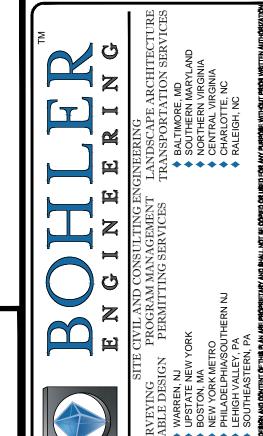
OWNER MAINTENANCE RESPONSIBILITIES

UPON OWNER'S (OR OWNER CONTRACTOR'S) COMPLETION OF LANDSCAPING WORK, THE OWNER IS FULLY RESPONSIBLE FOR ALL FUTURE MAINTENANCE, CARE, UPKEEP, WATERING, AND TRIMMING OF ALL INSTALLED VEGETATION, PLANTS, TREE, BUSHES, SHRUBS, GRASSES, GRASS, ORNAMENTAL PLANTS AND FLOWERS, FLOWERS, GROUND COVER, AND LANDSCAPING, INCLUDING ALL LANDSCAPE ISLANDS AND AREAS ADJACENT OR PART OF THE LANDSCAPED AREAS. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO. THE FOLLOWING:

- TREES ADJACENT TO WALKWAYS AND AREAS OF PEDESTRIAN TRAFFIC MUST BE MAINTAINED TO ASSURE THAT ANY BRANCHES MUST BE LIMBED UP TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PEDESTRIAN SURFACES) OR PRUNED BACK TO AVOID ANY INTERFERENCE WITH THE TYPICAL PATH OF TRAVEL. PRUNING MUST FOLLOW ANSI A300 STANDARDS.
- TREES WITHIN VEHICULAR SIGHT LINES, AS ILLUSTRATED ON THE LANDSCAPE PLAN, ARE TO BE TRIMMED TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PAVED, TRAVELED SURFACES), OR AS OTHERWISE INDICATED ON THE PLANS.
- VEGETATIVE GROUND COVER, SHRUBS AND ORNAMENTAL PLANTS AND GRASSES MUST BE TRIMMED SO THAT NO PORTION OF THE PLANT EXCEEDS 30 INCHES ABOVE GRADE (OF ALL PAVED, TRAVEL SURFACES) ALONG AND WITHIN THE SIGHT LINES OF PARKING LOTS AND INGRESS-EGRESS WAYS.
- FROM VEHICULAR AND PEDESTRIAN TRAFFIC AREAS TO PREVENT TRIPPING, SLIPPING OR ANY

THESE REQUIREMENTS DO NOT AFFECT THE PLANT LIFE GUARANTEES THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE

FALLEN PLANT FLOWERS. FRUIT. SEEDS AND DEBRIS DROPPINGS ARE TO BE REMOVED IMMEDIATELY



REVISIONS DATE COMMENT



NOT APPROVED FOR CONSTRUCTION

/ 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257

A 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8

DRAWN BY:

CHECKED BY: 06/25/15 SCALE: AS SHOWN

TACO BELL TAKOMA PARK

> MUY TACO BELL

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



16701 MELFORD BLVD, SUITE 310 **BOWIE, MARYLAND 20715** Phone: (301) 809-4500 Fax: (301) 809-4501

MD@BohlerEng.com

PROGRESS SET **FOR BIDDING PURPOSES**

LANDSCAPE PLAN

/RITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITU TANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

T IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJEC SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION, SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE 1

\USERS\AKHAN\APPDATA\LOCAL\TEMP\ACPUBLISH_18848\UNSAVED DRAWING4.DWG PRINTED BY: AKHAN 3.09.16 @ 12:08 PM LAST SAVED BY: JCADWA

B. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING

1.1. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED. 1.3. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.

1.1. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A

WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE

CERTIFIED SOIL LABORATORY.

1.3. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST

WHICH HAVE NOT BEEN COMPLETELY CALLUSED. SHALL BE REJECTED PLANTS SHALL NOT BE BOUND WITH

(6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD 1.7. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST

3. GENERAL WORK PROCEDURES CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED. STOCKPILED OR DISPOSED OF

. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.

6. SOIL MODIFICATIONS CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL

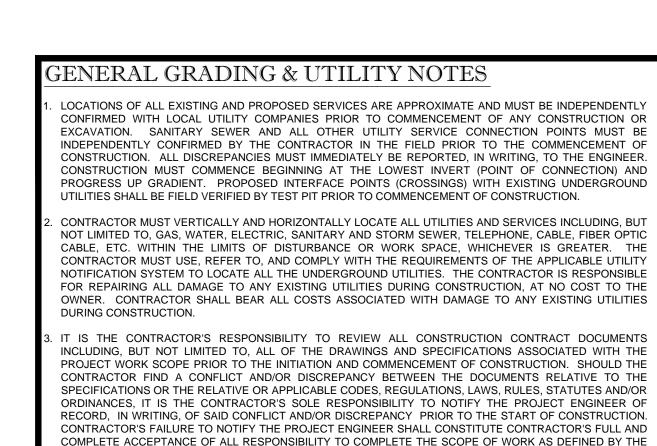
THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. 1.1. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER

PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES

CLAY LOAM UP TO 30% OF THE TOTAL MIX.

- OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.
- D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND
- CONTRACTOR SHALL PROVIDE A SIX INCH (6") THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT. IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A
- 1.1. 20 POUNDS 'GROW POWER' OR APPROVED EQUAL
- E. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.

EVERGREEN TREE PLANTING DETAIL



THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY.

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

THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.

THE CONTRACTOR MUST INSTALL ALL SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.

. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS. AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.

WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MUST INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION.

ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.

0. SITE GRADING MUST BE PERFORMED 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, CURB, 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. FARTHWORK ACTIVITIES INCLUDING BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE ECOMMENDATIONS 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.

. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS, FILL AND COMPACTION MUST, AT A MINIMUM, COMPLY WITH THE STATE DOT REQUIREMENTS AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL, COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR FARTHWORK BALANCE.

2. 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

3. 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.

4. 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.

5. DURING THE INSTALLATION OF SANITARY SEWER, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE FROM THE INFORMATION CONTAINED IN THE UTILITY PLAN. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE SITE PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER AT THE COMPLETION OF WORK.

6. 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 ROSS WALK 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.

7. 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.

8. 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.

MAXIMUM BUILDING HEIGH

. MIN. BUILDING SETBACKS

MAXIMUM SETBACK - BUILD TO AREA 1

. PUBLIC OPEN SPACE

D. FLOOR AREA RATIO (FAR) (BUILDING COVERAGE TO GROSS TRACT AREA)

TOTAL PUBLIC OPEN SPACE

FRONT(NEW HAMPSHIRE AVE.)

NORTH SIDE

SOUTH SIDE (HOLTON LANE)

FRONT STREET

SIDE STREET

C=2 0 (48 787 SF)

R=1.5 (36.590 SF) 2.5 MAX (60,984 SF

2.459 SF

70% OF THE BUILDING FACADE

MUST BE WITHIN 30' OF NEW

10 FOOT PUE.1

35% OF THE BUILDING FACADE

MUST BE WITHIN OF 20' OF

HOLTON LANE.

0.1 FAR OR

2.500 SF

BUILDING

FACADE IS

NEW HAMPSHIR

AVE.

35% OF THE

BUILDING

FACADE IS

WITHIN 15.5' OF

HOLTON LANE

9. CONTRACTOR MUST 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.

0. SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR

MANHOLES STRUCTURE TO CENTER OF STRUCTURE.

1.STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON FINAL ARCHITECTURAL PLANS

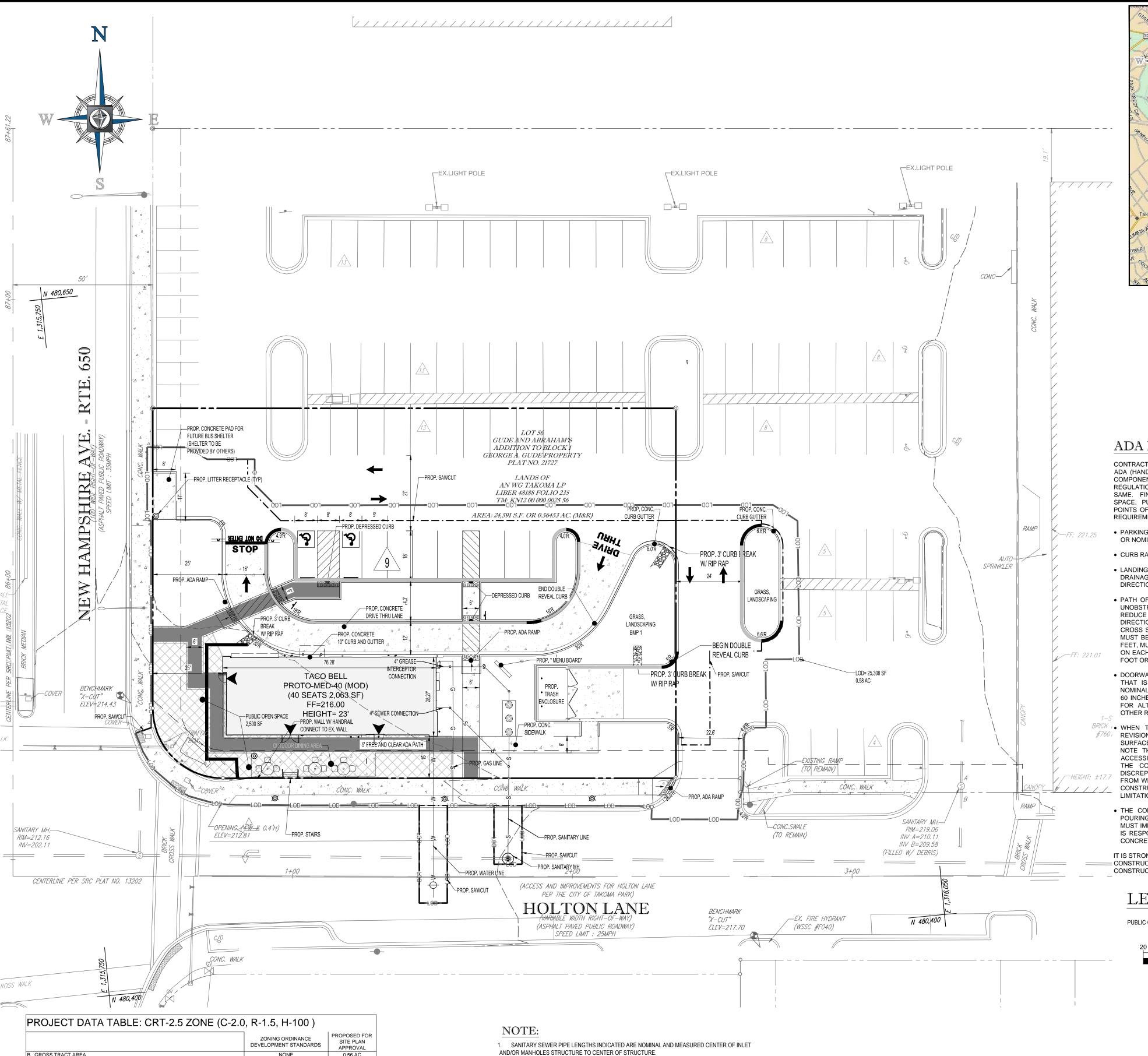
2.CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SEWER, WATER AND STORM SYSTEMS, MUST BE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND/OR STATE DETAILS AS APPLICABLE. CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.

23. 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

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT RK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION, SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITU

PTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND



PARKING REQUIREMENTS (CRT-2.5 ^{3,4})								
ZONING (USE CATEGORY	BUILDING						
MNIMU								
4 SPACES/1,0 OF PATRON	RESTAURANT (GENERAL)	TACO BELL						

IG	USE CATEGORY	ZONING ORDINANCE DEVELOPMENT STANDARDS		PARKING	ARKING REQUIRED PARKING PRO		PROPOSED	PUBLIC BICYCLE PARKING	PUBLIC BICYCLE PARKING
		MNIMUM	MAXIMUM	MINIMUM	MAXIMUM	STANDARD SPACES	23 SPACES	REQUIRED	PROPOSED
	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 ²	1 BICYCLE PARKING SPACE	2 BICYCLE PARKING SPACES
ING	COMPLIES WITH THE	MAXIMUM REQUIREM	ENT BECAUSE PARKING	SPACES IN EXCESS OF MAXIMUM WIL					

3 THE TACO BELL LOT 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. ⁴CRT-2.5 ZONE IS ELIGIBLE TO BE CONSIDERED A REDUCED PARKING AREA. REQUIRED SPACES SHOWN REFLECT THIS REDUCTION



LOCATION MAP COPYRIGHT 2003 DELORME STREET ATLAS 2004 PLUS USA

NOTE:

SEE SHEET C-014 & C-015 FOR SITE DETAILS

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

ADA INSTRUCTIONS TO CONTRACTOR

CONTRACTORS MUST 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 RAMPS SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.
- · LANDINGS MUST 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

• 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 1:20 (5.0%), ADA RAMP MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 2.5 FEET, MUST BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND "LEVEL" 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 COD.)

BRICK . WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, #760; 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-CONFORMANCE 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-CONFORMING

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

LEGEND

PROGRESS SET **PURPOSES**

REVISIONS

THE FOLLOWING STATES REQUIRE NOTIFICATION BY

VATORS, DESIGNERS, OR ANY PERSON PREPARIN

STURB THE EARTH'S SURFACE ANYWHERE IN THE STA IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA,

NORTH CAROLINA AND DELAWARE CALL - 811

/ 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257-7

.1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8

NOT APPROVED FOR

CONSTRUCTION

TACO BELI

TAKOMA PARK

MUY

LOCATION OF SITE

1300 HOLTON LANE

TAKOMA PARK, MD 20912

MONTGOMERY COUNTY

ENGINEERIN

16701 MELFORD BLVD, SUITE 310

BOWIE, MARYLAND 20715

Phone: (301) 809-4500

Fax: (301) 809-4501

MD@BohlerEng.com

CACO BELL

06/25/1

AS SHOWN

DRAWN BY:

SCALE:

V DATE

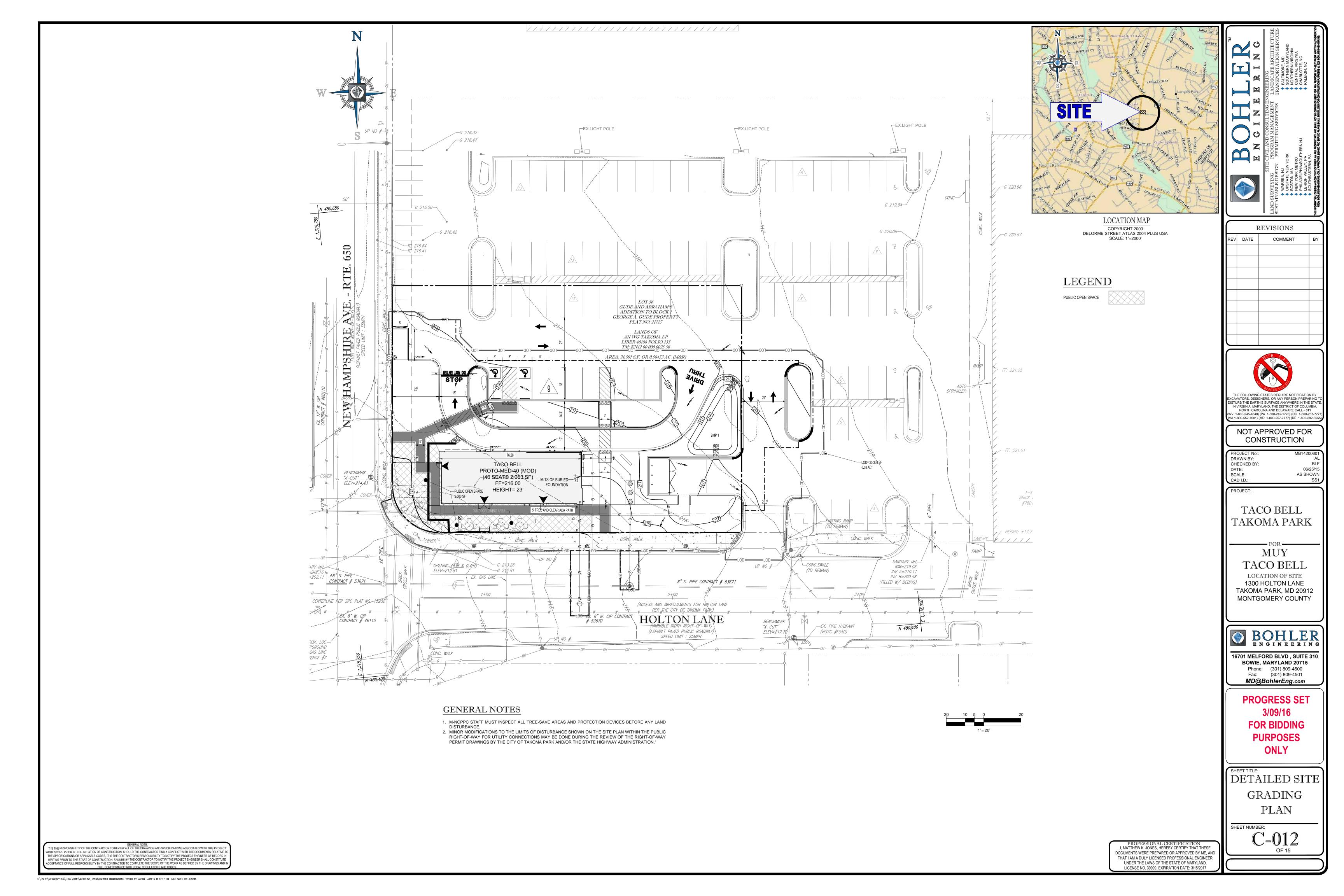
COMMENT

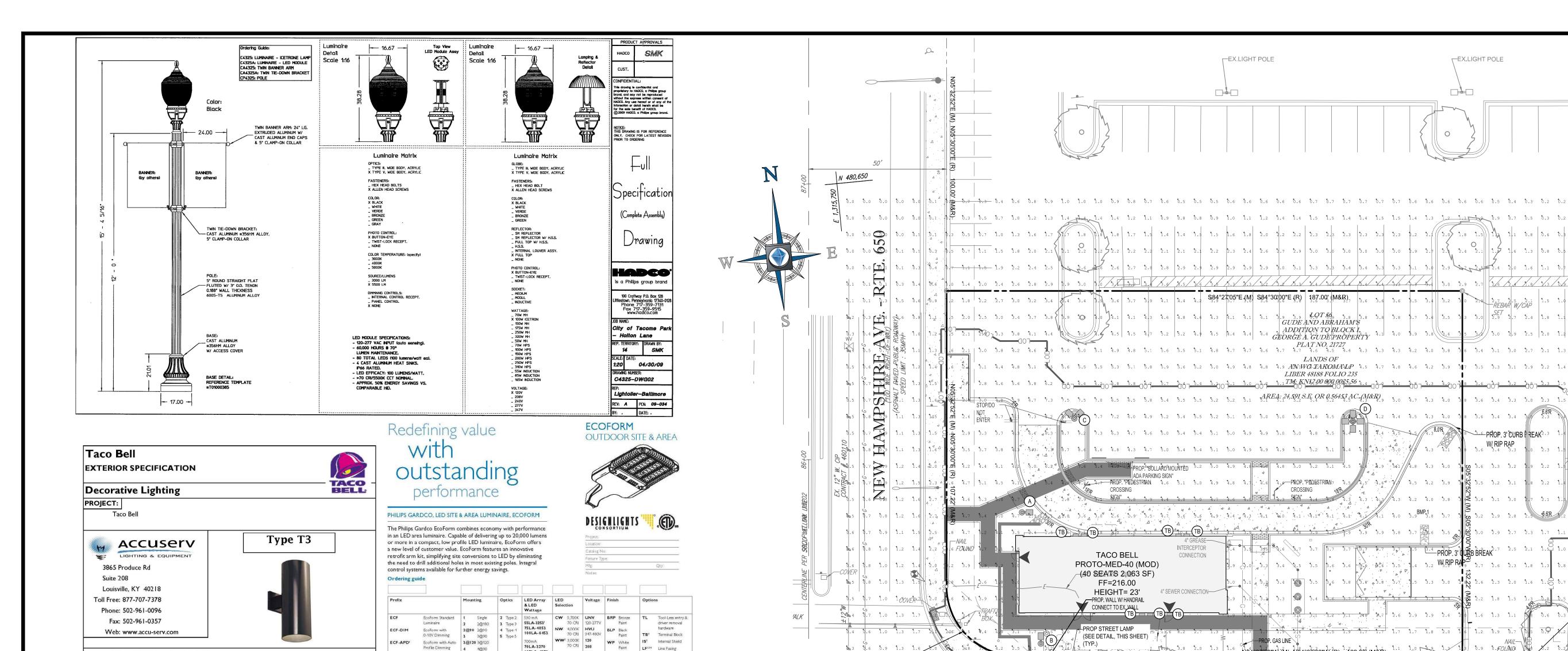
SITE/UTILITY PLAN

OCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT LAM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 39999. EXPIRATION DATE: 3/15/2017

PROFESSIONAL CERTIFICATION

I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE





 $\Delta = 0.90^{\circ}00'00'' (M&R)^{-1}$ L=39.27' (M&R)

CENTERLINE PER SRC PLAT NO. 1320.

APPROX. LOC-UNDERGROUND

PER REFERENCE #2

CROSS WALK

GAS LINE

CONTRACT # 46110

LIGHT LEVELS ARE MAINTAINED FOOT-CANDLES, INITIAL LEVELS ARE SLIGHTLY HIGHER

E#-E52809190

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

Calculation Summary								
Label	Avg	Max	Min	Avg/Min	Max/Min			
EXTENDED	2.58	17.5	0.0	N.A.	N.A.			
DRIVE-THRU LANE SURFACE	4.66	10.4	2.1	2.22	4.95			
PARKING LOT SURFACE	4.62	7.7	1.8	2.57	4.28			

PRODUCT SUBSTITUTION NOTE

IF ANY LIGHTING PRODUCT SUBSTITUTIONS ARE REQUESTED BY THE CONTRACTOR THE PROJECT CIVIL ENGINEER CONSULTANT MUST HAVE THE SUBSTITUTIONS APPROVED BY MONTGOMERY COUNTY PLANNING DEPARTMENT STAFF.

or OC-RAL7024 PCB 47.10 Photocell Special Button

RAM Retrofit Arm

PTF3* Pole Top Fitter for 3"-3.5" Tenon

G GARDCO

Luminair	Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Lum. Watts	Description				
œ.	1	(A)	SINGLE	20252	0.900	211	ECF-3-215LA-641A-NW-UNV-BRP / AVPL-SSS-25-4-11-DM19-DBZ				
œ	1	(B)	SINGLE	15269	0.900	211	ECF-3-215LA-641A-NW-UNV-BRP-IS / AVPL-SSS-25-4-11-DM19-DBZ				
•	1	(c)	2 @ 90 DEGREES	19991	0.900	211	(2) ECF-4-215LA-641A-NW-UNV-BRP / AVPL-SSS-25-4-11-DM29-DBZ				
	1	D	4 @ 90 DEGREES	19880	0.900	211	(4) ECF-5-215LA-641A-NW-UNV-BRP / AVPL-SSS-25-4-11-DM49-DBZ				
Ø	3	(SL)	SINGLE	5285	0.900	91	DECORATIVE HADCO STREET LIGHT PROVIDED BY CITY				
	7	(TB)	SINGLE	1188	0.900	36	ACCU 05247-051-052 @ 9.17' A.F.G.				

EcoForm with Motion Response at 50% low Luminaire mounted

D 2013 Koninklijke Philips N.V. (Royal Philips). All rights reserved.

Specifications are subject to change without notice

3.4.5 215LA

ECF-APD-MRI2.4 EcoForm with Auto

ECF-MRI^{2,4}

TACO BELL NEW HAMPSHIRE AVE. & HOLTON LN. TACOMA PARK, MD PREPARED BY: JOHN BUJAKE **ACCUSERV LIGHTING & EQUIPMENT** 877-707-7378

Item # 05247-051 / 05247-052

Dimensions: Diameter - 6"

Finish: Bronze

Location

Leadtime

Lamp Type: (2) 18w PAR38 LED

Exterior

Height - 18"

Depth - 8 7/8"

502-961-0357 FAX

ibujake@accu-serv.com **SEPTEMBER 28, 2015**

LIGHTING RESTRICTIONS: MINIMAL LIGHT TRESPASS ONTO THE RIGHT-OF-WAYS SITE FIXTURES ARE 211W 4000K LED w/ FLAT LENSES

FIXTURE B HAS BACKLIGHT CONTROL

POLES ARE 25'-0" FOR AN OVERALL FIXTURE MOUNTING HEIGHT OF 27'-6" A.F.G.

March 7, 2016 Via Electronic Mail Montgomery County Planning Division Development Review Division 8787 Georgia Avenue Silver Spring, MD 20910 Re: Taco Bell – Takoma Park Attention: Marco Fuster Site Plan M-NCPPC #820150150 1300 Holton Lane Takoma Park, Montgomery County, MD Dear Mr. Fuster: The lighting design for the proposed Taco Bell at 1300 Holton Lane (Building Permit No. 742502, Site Plan No. 820150150) meets the Maintained Illuminance criteria for "Enhanced Security" as published in ANSI document "Lighting for Parking Facilities" (RP-20-98) as developed and published by the Illuminating Engineering Society of North America (IESNA). Accordingly, the design meets or exceeds a minimum of 0.5 foot-candles and results in a maximum-to-minimum uniformity not exceeding 15:1. The design also meets the intent of applicable guidelines as outlined in the documents "Guideline for Security Lighting for People, property and Public Spaces" (IESNA G-1-03) and the Lighting Handbook, 10th Edition, also published by the IESNA. Should you have any questions or require additional information, please do not hesitate to contact me at 877-707-7378. Thank you. Sincerely, John Bujake

865 Produce Road, Ste. 208 Louisville, KY 40218 877.707.7378 **TOLL FREE** 502.961.0357 **FAX**

One Company, Endless Solutions

CHD=35.36' (M&R) 6 .2 6 .2 6 .2 6 .2 6 .4 | 6 .8 | 6 .3 6 .6 6 .5 6 .7 6 .8 6 .7 6 .8 6 .7 6 .8 6 .9

 5.2
 5.4
 5.8
 5.9
 5.8
 5.5
 5.4
 5.4
 5.5

Accusery

LIGHTING NOTES:

LAWS AND STATUTES.

1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.

DRILL HOLE-

MAG NAIL-

FOUND

EX.LIGHT POLE

3.4 **3**.1 **3**.0 **2**.7 **2**.1 **1**.3

3.6 3.4 3.3 3.0 2.3

2.7 2.6 2.3 1.8 1.

2.80 2.6 2.3 2.0 1.6 1.10 5.7

N05°30'00"E (R

SANITARY MH.-

RIM = 219.06

N 480,400

INV A=210.11INV B=209.58

(FILLED W/ DEBRIS)

2.2 1.8 1.5

to.9 to. FOUND

1...PROPO SANITARY LINES. 5 5.5 5.4 5.5 5.9 5.8 5.4 \ M84°27'08'IW (M) 1

(ACCESS AND IMPROVEMENTS FOR HOLTON LANE

HOLTON LANE

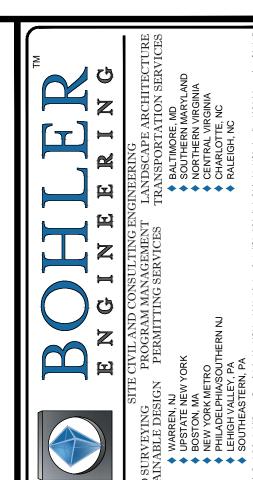
(ASPHALT PAVED PUBLIC ROADWAY) SPEED LIMIT : 25MPH

4.2 **4**.4 **4**.5 **4**.3 **4**.0

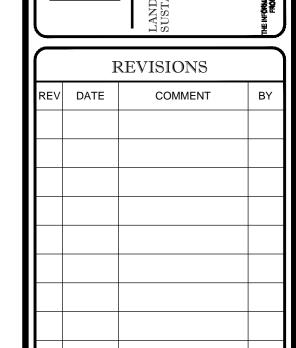
- 2. THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
- 3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO
- 4. THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINARIES, LAMPS AND LENSES TO FAIL PROPERLY TO FUNCTION.
- 5. WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES, UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC, ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
- 6. THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONTRACTOR, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS,
- 7. CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.
- 8. IT IS LIGHTING CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ARCHITECT OR OWNER REGARDING THE POWER SOURCE(S) FROM WITHIN THE BUILDING, AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT.
- 9. THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND THE LIKE.
- 10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES AS INDICATED IN THE HIGH VOLTAGE PROXIMITY REGULATIONS N.J.A.C. 12-186.
- 11. UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION
- OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS. TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT
- 12. DEFLECTORS MUST BE INSTALLED ON ALL UP-LIGHTING FIXTURES TO PREVENT EXCESS ILLUMINATION AND GLARE.

(GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOTCANDLES.

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



EX.LIGHT POLE





CAVATORS, DESIGNERS, OR ANY PERSON PREPARING ISTURB THE EARTH'S SURFACE ANYWHERE IN THE STAT NORTH CAROLINA AND DELAWARE CALL - 811 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257 A 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8

NOT APPROVED FOR CONSTRUCTION

DRAWN BY: 06/25/15 SCALE: CADID

SITE PLAN #820150150 TACO BELL TAKOMA PARK

MUY

TACO BELL LOCATION OF SITE 1300 HOLTON LANE TAKOMA PARK, MD 20912

MONTGOMERY COUNTY



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

> **PROGRESS SET FOR BIDDING PURPOSES**

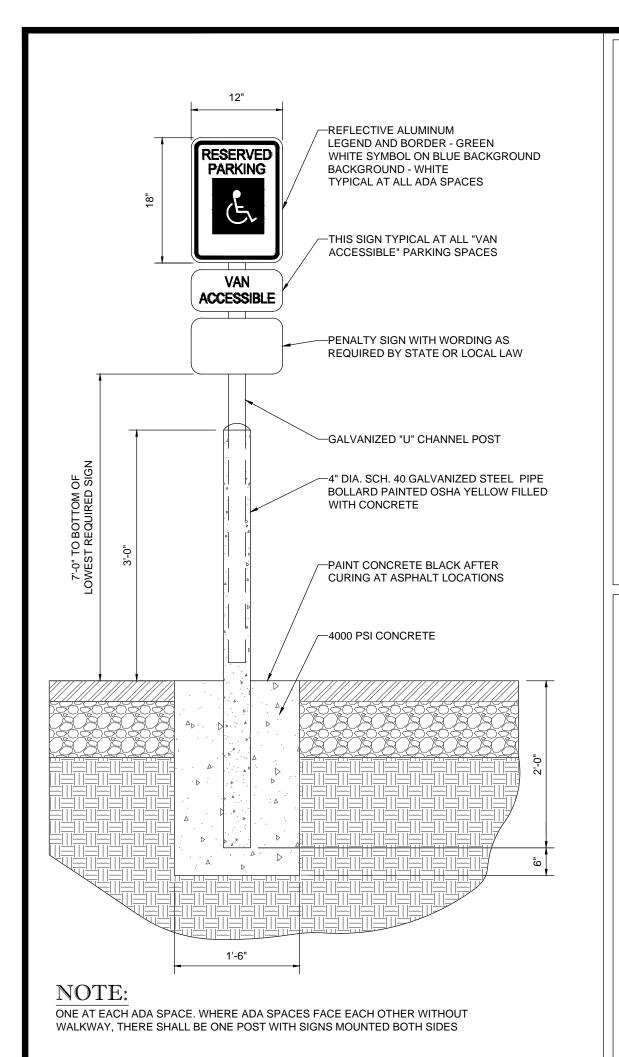
LIGHTING PLAN

MDBODRAWING2\PROJECTS\14\MB14200601\DRAWINGS\PLAN SETS\CONSTRUCTION DRAWINGS - 50 PERCENT\MB14200601LL1 - LIGHTING PLAN -.DWG PRI

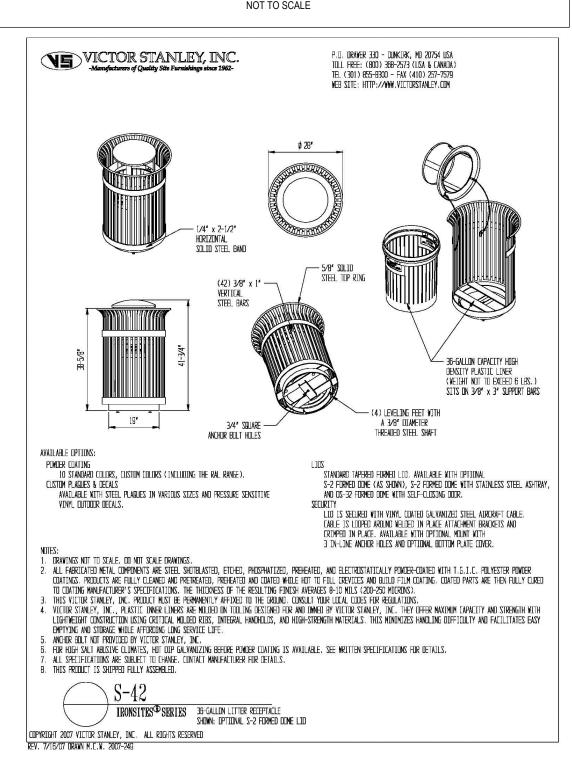
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJEC K SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO

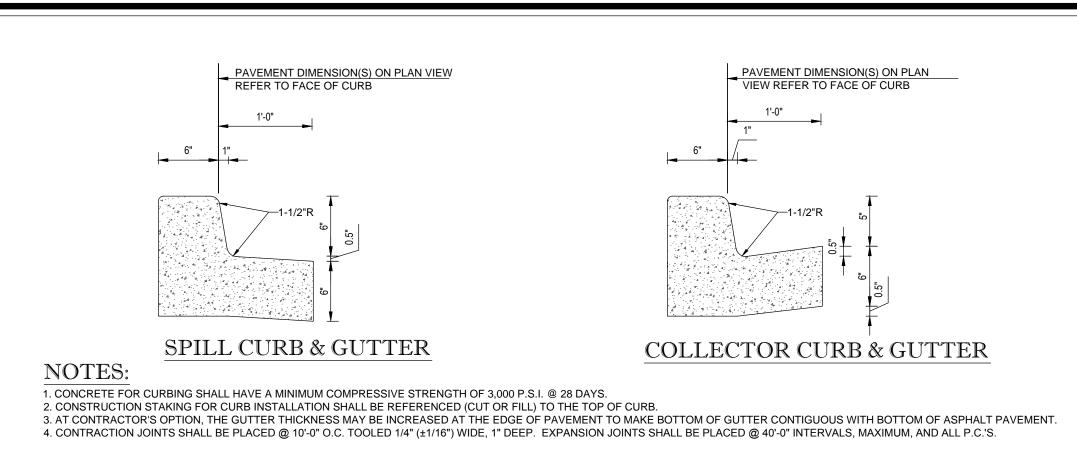
WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUT

TANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

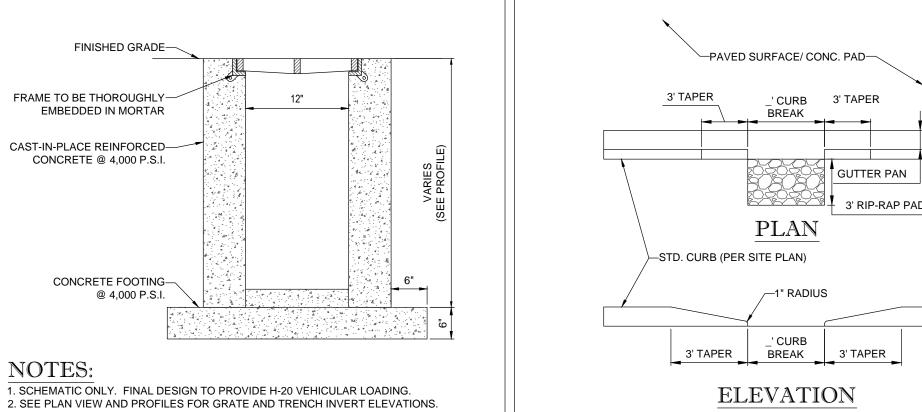


BOLLARD MOUNTED ADA PARKING SIGN DETAIL

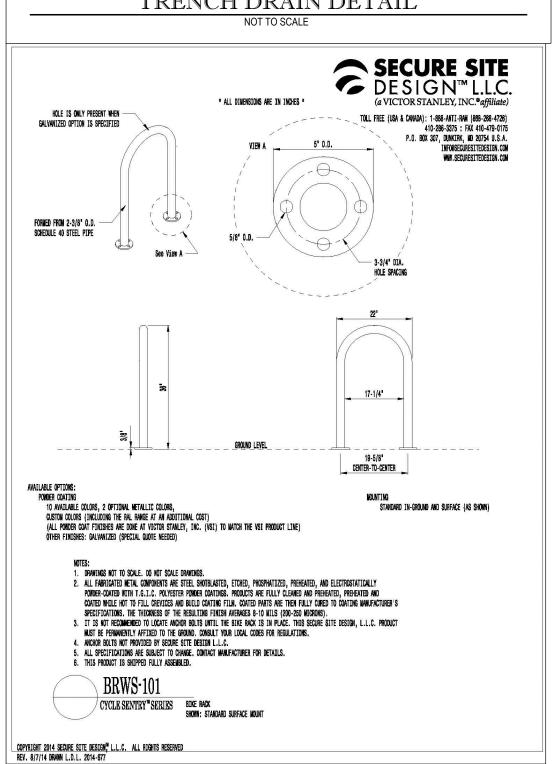


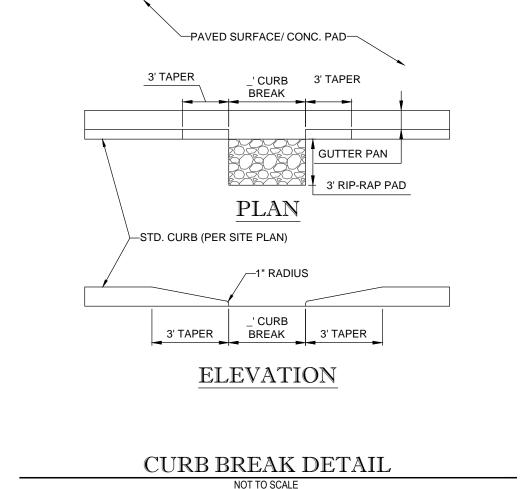


CONCRETE CURB & GUTTER DETAIL

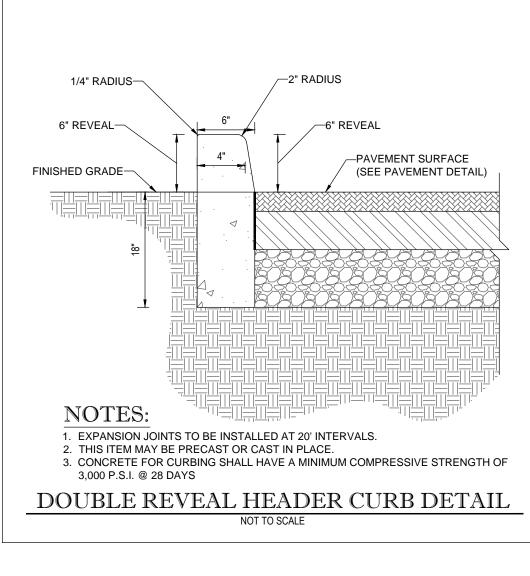


TRENCH DRAIN DETAIL



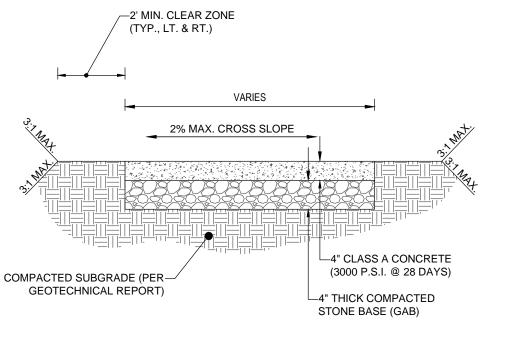






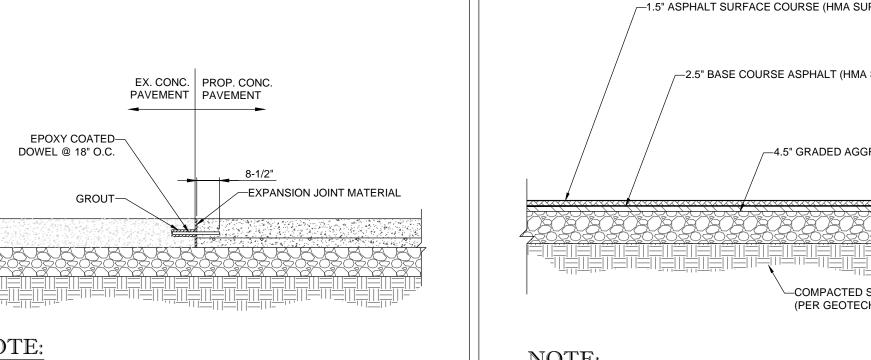
SHOP DRAWING NOTE

BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES. AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.



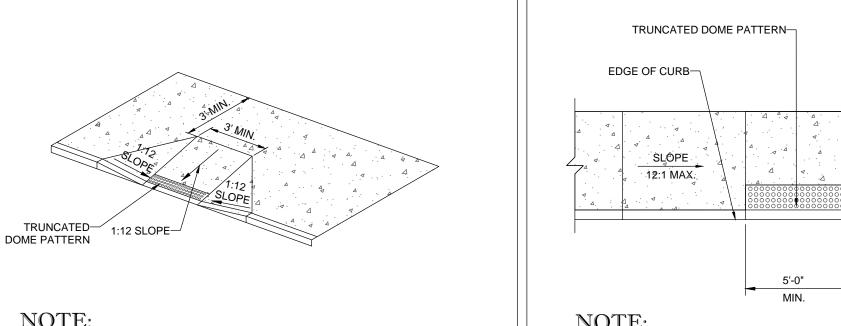
NOTE: 1. EXPANSION JOINTS 1/2" WIDE PREMOLDED BIT. MATERIAL SHALL BE INSTALLED AT 30' INTERVALS, CRACK CONTROL JOINTS TO BE SPACED AT INTERVALS EQUAL TO SIDEWALK WIDTH.

CONCRETE SIDEWALK DETAIL



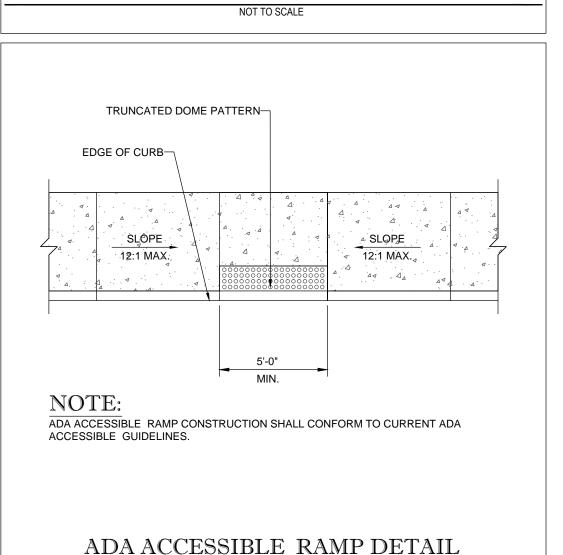
1. CONTRACTOR TO BLOW OUT DUST FROM DRILLED HOLES PRIOR TO APPLYING GROUT.

CONCRETE DOWELING DETAIL



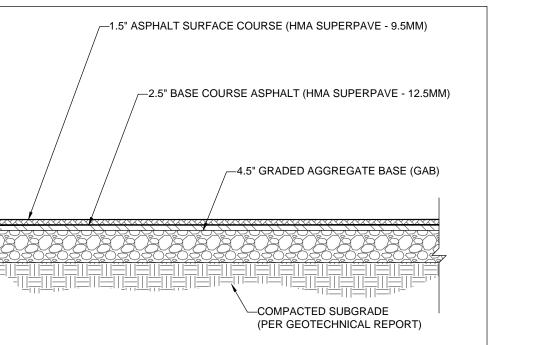
NOTE: 1. ADA ACCESSIBLE RAMP CONSTRUCTION SHALL CONFORM TO CURRENT ADA ACCESSIBLE GUIDELINES.

ADA ACCESSIBLE RAMP DETAIL



CONCRETE PAVEMENT SECTION —PAVEMENT SURFACE (SEE PAVEMENT DETAIL) (APPLIED AT A RATE OF 0.2 GALLONS/S.Y.)

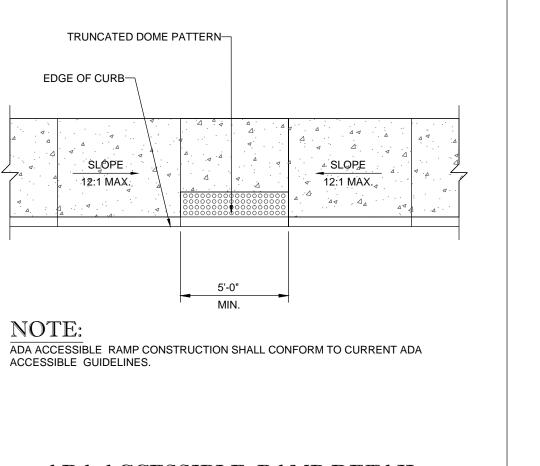
CONCRETE-TO-ASPHALT DETAIL



1. SECTION SHOWN IS BASED ON AN ANTICIPATED CBR OF 3 PER GEOTECHNICAL REPORT PREPARED BY ECS MIDATLANTIC, LLC, ENTITLED "TACO BELL AT LANGLEY PARK TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND, DATED OCTOBER 2, 2014 (PROJECT #02-7394)". FINAL DESIGN TO BE PROVIDED ONCE

FINAL CBR'S ARE AVAILABLE ON COMPACTED SUB-BASE.

STANDARD DUTY ASPHALT PAVEMENT SECTION



ENGINEERING

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

> **PROGRESS SET** 3/09/16 **FOR BIDDING PURPOSES**

PROFESSIONAL CERTIFICATION I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE

OOCUMENTS 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

SITE DETAILS

SHEET NUMBER:

GENERAL NOTE:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT ORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE 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 PTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND

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

REVISIONS

STURB THE EARTH'S SURFACE ANYWHERE IN THE STAT

IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA,

NORTH CAROLINA AND DELAWARE CALL - 811 V 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257-77 A 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-85

NOT APPROVED FOR

CONSTRUCTION

SITE PLAN

#820150150

TACO BELL

TAKOMA PARK

MUY

06/25/15

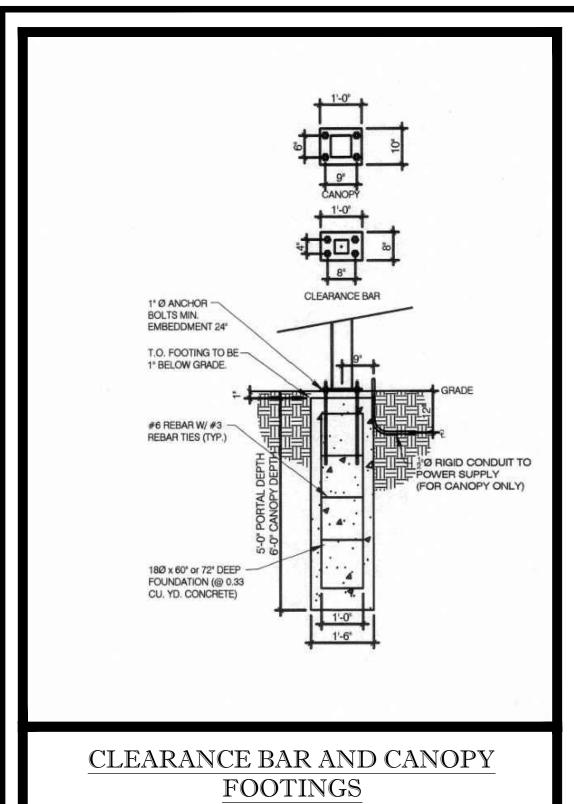
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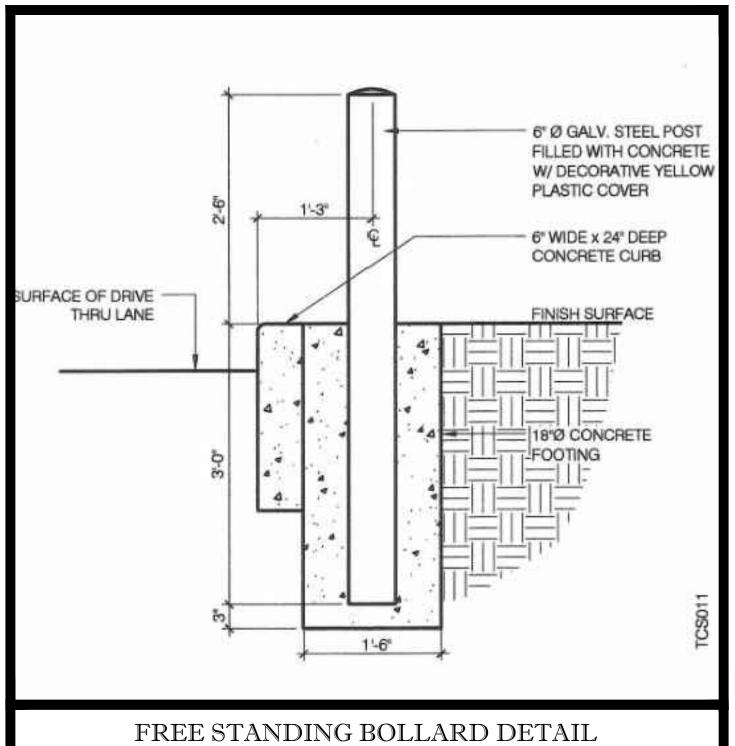
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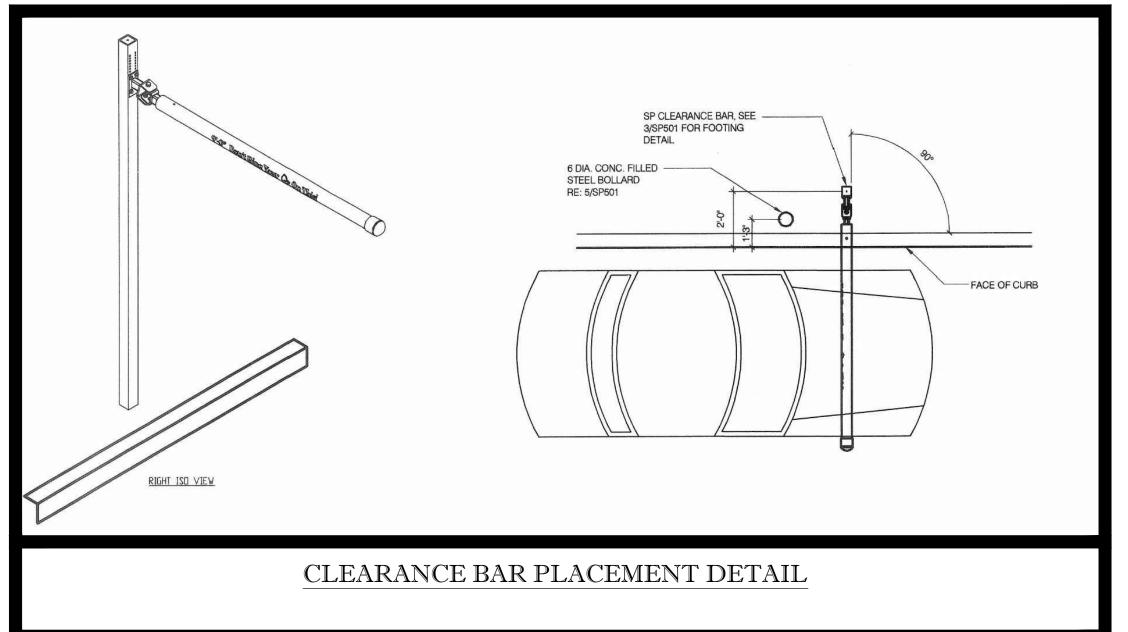
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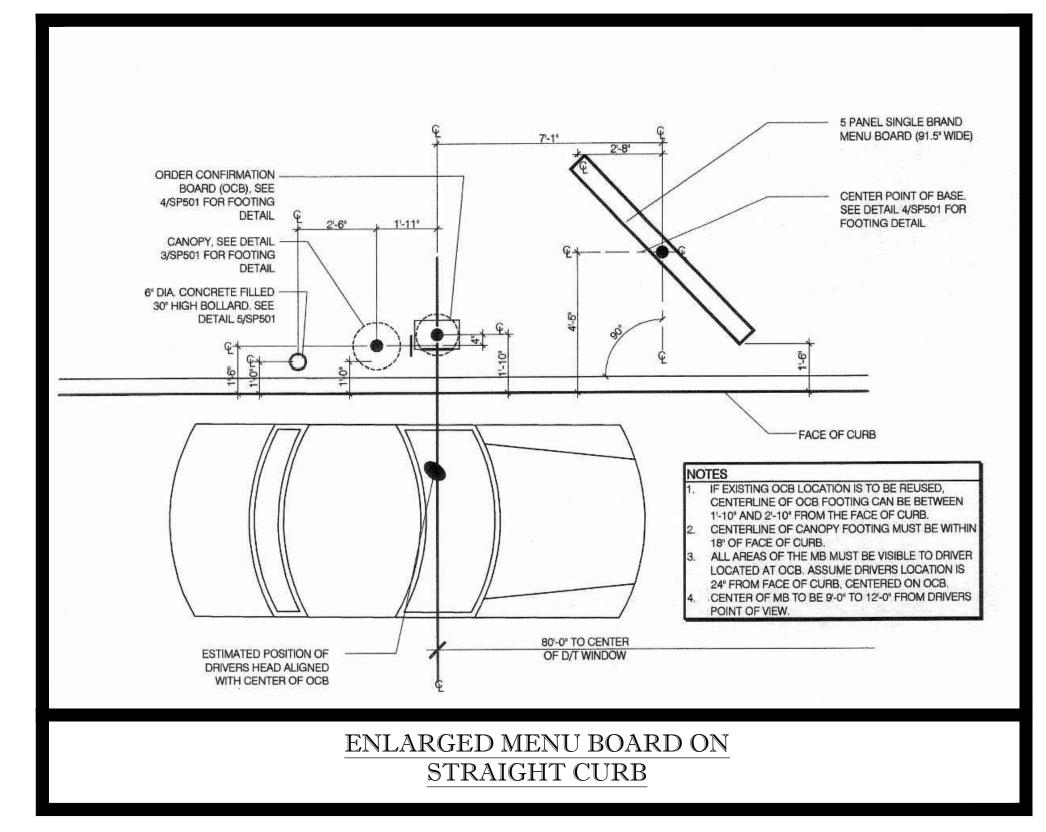
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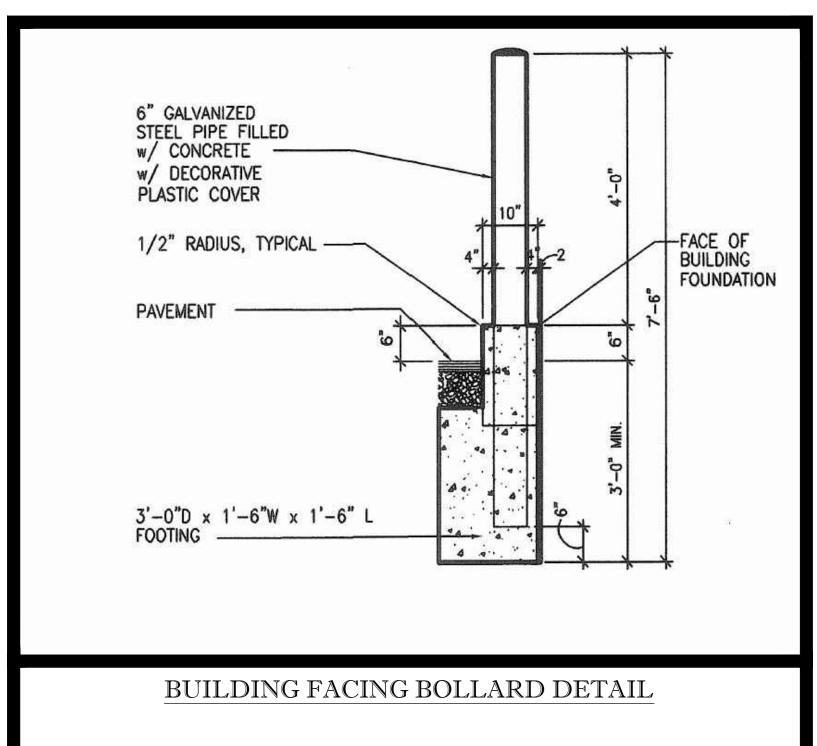
REV DATE COMMENT

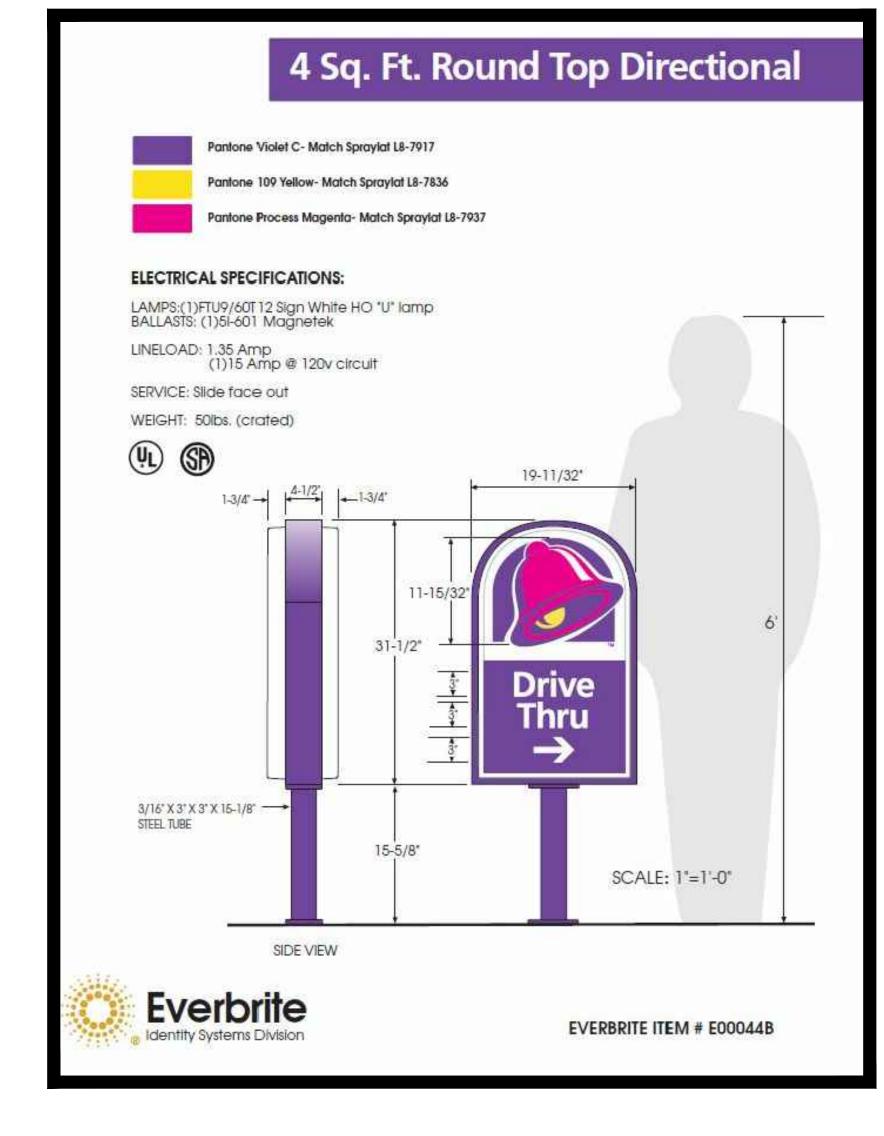


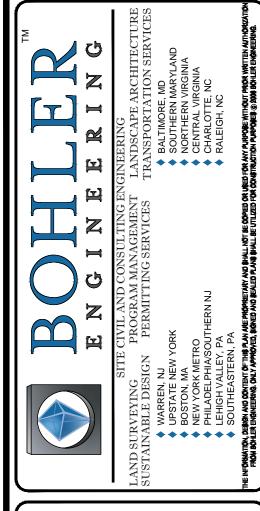


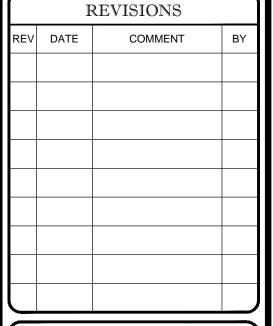














NOT APPROVED FOR CONSTRUCTION

PROJECT No.:
DRAWN BY:
CHECKED BY:
DATE:
SCALE:
CAD I.D.:

SITE PLAN
#820150150
TACO BELL
TAKOMA PARK

12/09/15 AS SHOWN

MUY
TACO BELL

LOCATION OF SITE

1300 HOLTON LANE
TAKOMA PARK, MD 20912
MONTGOMERY COUNTY



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

PROGRESS SET
3/09/16
FOR BIDDING
PURPOSES
ONLY

SHEET TITLE:

SITE DETAILS

SHEET NUMBER

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 ENGINÉER UNDER THE LAWS OF THE STATE OF MARYLAND,

LICENSE NO. 39999. EXPIRATION DATE: 3/15/2017

15 OF 15

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 INITIATION 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