	SITE INFO	ORMATION				
ТАХ МАР	34*11B*1					
ZONING:	B-2 (GENERAL COMMERCIAL) (SCOD: SPECIAL	CORRIDOR OVERLAY DISTRICT)				
PROPOSED USE	RESTAURANT WITH DRIVE THRU					
TOTAL LOT AREA:	0.608 ACRES					
TOTAL DISTURBANCE:	28,946 SF (0.67 AC)					
CRITICAL AREAS:	NONE WITHIN DISTURBANCE AREA					
EXISTING IMPERVIOUS AREA	0.52 ACRES (85.5%)					
EXISTING BUILDING AREA:	2,250 SF (8.5%)					
PROPOSED BUILDING AREA:	2.405 SF (9.1%)					
DWELLING UNIT:	N/A					
PROPOSED PARKING LOT/LOADING AREA:	8,195 SF (30.95%)					
PROPOSED BUILDING TYPE:	V-B					
BUILDING SETBACKS:		HE 10' STANDARD REAR SCOD SETBACK DOES NT SHOPPING CENTER COMPLEX).				
	REQUIRED	PROPOSED				
IMPERVIOUS AREA:	70% MAX.	0.45 ACRES (67.0%)				
OPEN SPACE/LANDSCAPE AREA:	NONE	0.22 ACRES (33.0%)				
BUILDING HEIGHT:	65' MAX.	23'				
FLOOR AREA RATIO:	0.6 MAX.	0.09				
OFF-STREET PARKING:	MINIMUM: (1 SPACE /75 SF GFA; 2,405 SF / 75 = 32 SPACES (2 ADA) MAXIMUM: (1 SPACES/50 SF GFA; 2,405 SF /50 = 48 SPACES (2 ADA) *17 SPACES ONSITE (2 ADA)					
FEMA NOTE:	THE PROPERTY IS LOCATED IN OTHER AREAS ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER MAP ENTITLED "FIRM, FLOOD INSURANCE RATE MAP, CITY OF SUFFOLK, VIRGINIA (INDEPENDENT CITY), PANEL 227 OF 390", MAP NUMBER 5101560227E, WITH A MAP EFFECTIVE DATE OF AUGUST 3, 2015.					

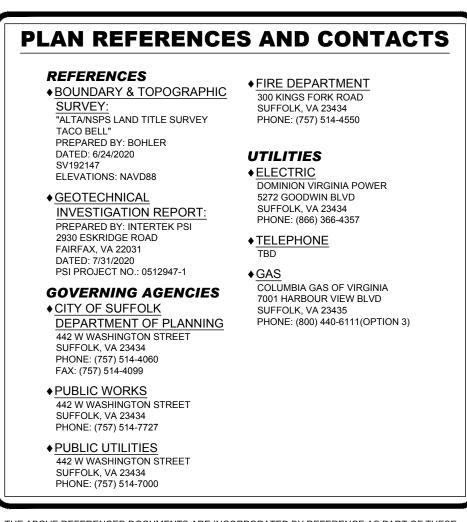
*PARKING REQUIREMENT TO BE MET WITH THE USE OF PARKING SPACES AT THE ADJACENT SHOPPING CENTER. SEE SHEET C-103 FOR APPROVED PARKING LETTER

WATER SUMMARY:

GENERAL NOTE: 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 T

SPECIFICATIONS OR APPLICABLE CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN RITING 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 ANI

MINIMUM EXTERNAL FIRE FLOW REQUIRED BY THE 2012 INTERNATIONAL FIRE CODE: APPENDIX B TABLE 105.1, SHALL BE 1,500 GALLONS PER MINUTE (GPM).



THE ABOVE REFERENCED DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THESE PLANS HOWEVER, BOHLER DOES NOT CERTIFY THE ACCURACY OF THE WORK REFERENCED OR DERIVED FROM THESE DOCUMENTS, BY OTHERS.

SITE PLAN DOCUMENTS ——— FOR ————

TACO BELL SUFFOLK

PROPOSED **RESTAURANT W/ DRIVE-THRU**

> **LOCATION OF SITE 1465 NORTH MAIN STREET SUFFOLK VA**, 23434 **CITY OF SUFFOLK, VIRGINIA TAX MAP: 34*11B*1 ACCOUNT NUMBER: 253131400**



LOCATION MAP SCALE: 1" = 2000' PLAN REFERENCE: MICROSOFT CORP.

> DEVELOPER GPD GROUP 1117 PERIMETER CENTER WEST, SUITE W306 ATLANTA, GA 30338 CONTACT: JIM NEIDLINGER PHONE: (678) 781-5070

OWNER TACO BELL OF AMERICA INC. PO BOX 35370 LOUISVILLE, KY 40232 PROPERTY GRANTED TO TACO BELL OF AMERICA, INC. (GRANTEE) FROM TACO BELL CORPORATION (GRANTOR) CONVEYED WITH D.B. 651, PG. 648 RECORDED APRIL 22, 1999



28 BLACKWELL PARK LANE, SUITE 201 WARRENTON, VIRGINIA 20186 Phone: (540) 349-4500 (540) 349-0321 Fax: VA@BohlerEng.com CONTACT: RYAN T. YAUGER, P.E.

RYAUGER@BOHLERENG.COM

ISSUED FOR CONSTRUCTION

SIGNATURE DATE

SIGNATURI

REVISION DATE:

GNATURE DATE

V192147 5/5/2021

THIS DOCUMENT IS NOT ISSUED BY BOHLER

FOR CONSTRUCTION WITHOUT (3) SIGNATURES

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ALTA/NSPS LAND TITLE SURVEY	C-201				
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CONCEPTUAL ELEVATIONS (FOR REFERENCE ONLY)	C-904				
TRAFFIC MAINTENANCE PLAN	C-905				

CITY OF SUFFOLK NOTES

- 1. THE MAP PARCEL 34*11B*1 IS SUBJECT TO THE REGULATIONS OF THE SUFFOLK CORRIDOR OVERLAY DISTRICT (SCOD) ACCORDANCE WITH SECTION 31-412 OF THE UDO.
- 2. THE DEVELOPMENT MUST COMPLY WITH THE PARKING AND LOADING STANDARDS OF SECTION 31-606 AND PERFORMA STANDARDS OF SECTION 31-608 OF THE UNIFIED DEVELOPMENT ORDINANCE.
- 3. THE SITE, WITHIN THE DISTURBED AREA, CONTAINS NO CRITICAL AREAS.
- 4. IN ACCORDANCE WITH SECTION 31-606(13)(b)(1)(F) OF THE UNIFIED DEVELOPMENT ORDINANCE, NO DELIVERY, LOADING TRASH REMOVAL OR COMPACTION, OR OTHER SUCH OPERATIONS SHALL BE PERMITTED BETWEEN THE HOURS OF 10:0 AND 7:00 AM WHEN ADJACENT TO A RESIDENTIAL ZONING DISTRICT, UNLESS THE APPLICANT SUBMITS EVIDENCE THAT SOUND BARRIERS BETWEEN ALL AREAS FOR SUCH OPERATIONS EFFECTIVELY REDUCE NOISE EMISSIONS TO A LEVEL DB, AS MEASURED AT THE LOT LINE OF ANY ADJOINING PROPERTY.
- 5. IN ACCORDANCE WITH SECTION 31-602(b)(2) OF THE UNIFIED DEVELOPMENT ORDINANCE, MECHANICAL EQUIPMENT SHA SCREENED FROM PUBLIC VIEW AND DESIGNED TO APPEAR AS AN INTEGRAL PART OF THE BUILDING. ELECTRICAL METE AND SERVICE COMPONENTS AND SIMILAR UTILITY DEVICES SHALL BE OUT OF VIEW FROM PUBLIC RIGHT OF WAYS.
- 6. THIS PROPERTY IS LOCATED WITHIN THE CHESAPEAKE BAY PRESERVATION AREA AND IS DESIGNATED AS A RESOURCE MANAGEMENT AREA.
- 7. SCOD STREETSCAPE WAIVER: THE DIRECTOR OF PLANNING AND COMMUNITY DEVELOPMENT HAS GRANTED A WAIVER SECTIONS 31-412(g)(2) IN ORDER TO ALLOW EASEMENTS TO BE LOCATED WITHIN THE REQUIRED 15' STREETSCAPE LANDSCAPING BUFFER AS THIS BUFFER IS SUPPOSED TO BE EXCLUSIVE OF EASEMENTS.

			SITE CIVIL AND CONSULTING ENGINEERIN LAND SURVEYING PROGRAM MANAGEMENT LANDSCAPE ARCHITECTURE SUSTAINABLE DESIGN PERMITTING SERVICES TRANSPORTATION SERVICES	THE INFORMATION, DESIGN AND CONTENT OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE COPIED OR USED FOR ANY PUI AUTHORIZATION FROM BOHLER, ONLY APPROVED, SIGNED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRU- © BOHLER
	REV 1 2 3 4	DATE 1/28/2021 3/2/2021 3/8/2021 5/5/2021	COMMENT CITY COMMENTS CITY COMMENTS FOR CITY APPROVAL ISSUED FOR CONSTRUCTION	DRAWN BY CHECKED BY JPN RTY JPN RTY JPN RTY JPN DBR
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	SHE	-	COVER SHEET	

C-101

REVISION 4 - 5/5/2021

SIGNATURE PANEL

CITY OF SUFFOLK PLANNING AND COMMUNITY DEVELOPMENT:

GENERAL NOTES

- (Rev. 1/2020)
- THESE PLANS ARE SOLELY BASED ON INFORMATION THE OWNER AND OTHERS PROVIDED TO BOHLER ENGINEERING. VIRGINIA, LLC (HEREIN "BOHLER") PRIOR TO THE DATE ON WHICH ENGINEER PREPARED THESE PLANS. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS AND IMMEDIATELY NOTIFY BOHLER, IN WRITING, IF ANY ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THESE PLANS, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
- THE CONTRACTOR MUST STRICTLY COMPLY WITH THESE NOTES AND ALL SPECIFICATIONS/REPORTS CONTAINED HEREIN. THE CONTRACTOR MUST ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS, THESE NOTES, AND THE REQUIREMENTS ARTICULATED IN THE NOTES CONTAINED IN ALL THE OTHER DRAWINGS THAT COMPRISE THE PLAN SET OF DRAWINGS, ADDITIONAL NOTES AND SPECIFIC PLAN NOTES MAY BE FOUND ON THE INDIVIDUAL PLANS THESE GENERAL NOTES APPLY TO THIS ENTIRE DOCUMENT PACKAGE. 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.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST CONFIRM WITH THE ENGINEER OF RECORD THAT THE LATEST EDITION OF THE DOCUMENTS AND/OR REPORTS REFERENCED WITHIN THE PLAN REFERENCES ARE BEING USED FOR CONSTRUCTION. THIS IS THE CONTRACTOR'S SOLE AND COMPLETE RESPONSIBILITY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED, NO CONSTRUCTION OR FABRICATION IS TO BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY
- REVIEWED THE CONDITIONS OF APPROVAL TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND HAS ALSO CONFIRMED THAT ALL NECESSARY AND REQUIRED PERMITS HAVE BEEN OBTAINED. THE CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES. THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS/REPORTS 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. AND ALL PROVISIONS IN AND CONDITIONS OF THE CONSTRUCTION CONTRACT WITH THE OWNER/DEVELOPER INCLUDING ALL EXHIBITS, ATTACHMENTS AND
- ADDENDA TO SAME PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFULLY REVIEWING THE MOST CURRENT ARCHITECTURAL, CIVIL AND STRUCTURAL CONSTRUCTION DOCUMENTS (INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLANS, WHERE APPLICABLE). THE CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND ENGINEER OF RECORD, IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIST BETWEEN THESE PLANS AND ANY OTHER PLANS THAT COMPRISE THE CONSTRUCTION DOCUMENTS
- CONTRACTOR MUST REFER TO AND ENSURE COMPLIANCE WITH THE APPROVED ARCHITECTURAL/BUILDING PLANS OF RECORD FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS. THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND MEASUREMENTS SHOWN ON THESE PLANS, PRIOR TO THE
- COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST IMMEDIATELY NOTIFY ENGINEER OF RECORD, 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 RE-DONE OR REPAIRED DUE TO DIMENSIONS, MEASUREMENTS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO BOTH (A) THE CONTRACTOR GIVING ENGINEER OF RECORD WRITTEN NOTIFICATION OF SAME AND (B) ENGINEER OF RECORD, THEREAFTER, PROVIDING THE CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
- THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND MEASUREMENTS INCLUDED ON DESIGN DOCUMENTS HEREIN AND MUST NOT SCALE OFF THE DRAWINGS DUE TO POTENTIAL PRINTING INACCURACIES. ALL DIMENSIONS AND MEASUREMENTS ARE TO BE CHECKED AND CONFIRMED BY THE GENERAL CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION/ORDERING OF PARTS AND MATERIALS AND COMMENCEMENT OF SITE WORK. SITE PLAN DRAWINGS ARE NOT INTENDED AS SURVEY DOCUMENTS. DIMENSIONS SUPERSEDE GRAPHICAL REPRESENTATIONS. THE CONTRACTOR MUST MAKE CONTRACTOR'S OWN MEASUREMENTS FOR LAYOUT OF IMPROVEMENTS. 10. THE OWNER AND CONTRACTOR MUST BE FAMILIAR WITH, AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL
- CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. WHEN INCLUDED AS ONE OF THE REFERENCED DOCUMENTS. THE GEOTECHNICAL REPORT, SPECIFICATIONS AND RECOMMENDATIONS SET FORTH THEREIN 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: (A) THE PLANS: AND (B) THE GEOTECHNICAL REPORT AND RECOMMENDATIONS, MUST TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD. IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORT AND PLANS AND SPECIFICATIONS, PRIOR TO PROCEEDING WITH ANY FURTHER WORK JE A GEOTECHNICAL REPORT WAS NOT CREATED. THEN THE CONTRACTOR MUST FOLLOW AND COMPLY WITH ALL OF THE REQUIREMENTS OF ANY AND ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE SPECIFICATIONS WHICH HAVE JURISDICTION OVER THIS PROJECT.
- ENGINEER OF RECORD IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, HAS NO LIABILITY FOR ANY HAZARDOUS MATERIALS HAZARDOUS SUBSTANCES OR POLLUTANTS ON ABOUT OR UNDER THE PROPERTY 3. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN AND WHERE 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. ALL
- OF THIS WORK IS TO BE PERFORMED AT CONTRACTOR'S SOLE COST AND EXPENSE. 14. THE CONTRACTOR MUST EXERCISE EXTREME CAUTION 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. THE 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 PROJECT.
- 5. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION AND CONSTRUCTION WASTES, UNSUITABLE EXCAVATED MATERIAL, EXCESS SOIL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER THE CONTRACTOR. 16. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN RECORDS TO DEMONSTRATE PROPER AND FULLY COMPLIANT DISPOSAL
- ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST. THE CONTRACTOR MUST REPAIR, AT CONTRACTOR'S SOLE COST, ALL DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, 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 FOUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR 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. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE CONTRACTOR MUST, PROMPTLY, DOCUMENT ALL EXISTING DAMAGE AND NOTIFY, IN WRITING, THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF 18. THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR AND HAVE NO CONTRACTUAL, LEGAL OR OTHER
- RESPONSIBILITIES FOR JOB SITE SAFETY JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME. THE ENGINEER OF RECORD AND BOHLER HAVE NOT BEEN RETAINED TO PERFORM OR TO BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER OF RECORD'S AND BOHLER SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES OR ANY JOB SITE CONDITIONS, AT ANY TIME. THE CONTRACTOR MUST IMMEDIATELY IDENTIFY IN WRITING. TO THE ENGINEER OF RECORD AND BOHLER , ANY DISCREPANCIES THAT
- MAY OR COULD AFFECT THE PUBLIC SAFETY. HEALTH OR GENERAL WELFARE. OR PROJECT COST. IF THE CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER WRITTEN NOTIFICATION AS DESCRIBED ABOVE, IT WILL BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, THE CONTRACTOR MUST INDEMNIFY, DEFEND AND HOLD HARMLESS THE ENGINEER OF RECORD AND BOHLER FOR ANY AND ALL DAMAGES. COSTS. INJURIES. ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM OR ARE IN ANY WAY RELATED TO SAME INCLUDING BUT NOT LIMITED TO ANY THIRD PARTY AND FIRST PARTY CLAIMS 20 THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM THE
- CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS, AND CURRENT CODES. RULES, STATUTES AND THE LIKE. IF THE CONTRACTOR AND/OR OWNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, RULES, STATUTES, CODES AND THE LIKE. THE CONTRACTOR AND/OR OWNER AGREE TO AND MUST JOINTLY. INDEPENDENTLY, SEPARATELY, AND SEVERALLY INDEMNIEY AND HOLD THE ENGINEER OF RECORD AND BOHLER HARMLESS FOR AND FROM ALL INJURIES, CLAIMS AND DAMAGES THAT ENGINEER AND BOHLER SUFFER AND ANY AND ALL COSTS THAT ENGINEER AND BOHLER INCUR AS RELATED TO SAME 21. ALL CONTRACTORS MUST CARRY AT LEAST THE MINIMUM AMOUNT OF THE SPECIFIED AND COMMERCIALLY REASONABLE STATUTORY
- WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND COMMERCIAL GENERAL LIABILITY INSURANCE (CGL) INCLUDING ALSO ALL UMBRELLA COVERAGES. ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER . 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 INSUREDS AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THE (DEFEND, IF APPLICABLE) AND HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED AND AGREED TO BY THE CONTRACTOR HEREIN. ALL CONTRACTORS MUST FURNISH BOHLER WITH CERTIFICATIONS OF INSURANCE OR CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE COVERAGES PRIOR TO COMMENCING ANY WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR TWO YEARS AFTER THE COMPLETION OF CONSTRUCTION AND AFTER ALL PERMITS ARE ISSUED, WHICHEVER DATE IS LATER. IN ADDITION, ALL CONTRACTORS AGREE THAT THEY WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER 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 CONTRACTOR(S). ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED
- TO THE PROJECT. THE CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS INSURANCE HEREUNDER. 22. THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOTH ON THESE PLANS. AND FOR ANY CONFLICTS IN SCOPE AND REVISIONS THAT RESULT FROM SAME. THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR COMPLETION OF THE WORK, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 23. NEITHER THE PROFESSIONAL ACTIVITIES OF: BOHLER , NOR THE PRESENCE OF BOHLER AND/OR 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 AT A CONSTRUCTION/PROJECT SITE (HEREIN "BOHLER PARTIES"), RELIEVES OR WILL RELIEVE THE CONTRACTOR OF AND FROM ITS OBLIGATIONS. DUTIES AND RESPONSIBILITIES INCLUDING. BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ALL HEALTH AND SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER AND ITS EMPLOYEES, PERSONNEL, AGENTS, SUBCONTRACTORS AND SUBCONSULTANTS HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER (OR ANY RESPONSIBILITY FOR) ANY CONSTRUCTION. THE CONTRACTOR OR ITS EMPLOYEES RELATING TO THEIR WORK AND ANY AND ALL HEALTH AND SAFETY PROGRAMS OR PROCEDURES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR MUST INDEMNIFY, DEFEND, PROTECT AND HOLD HARMLESS BOHLER FOR AND FROM ANY LIABILITY TO BOHLER RESULTING FROM THE CONTRACTOR'S WORK, SERVICES AND/OR VIOLATIONS OF THIS NOTE, THESE NOTES OR ANY NOTES IN THE PLAN SET AND, FURTHER, THE CONTRACTOR MUST NAME BOHLER AS AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S
- POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE. WHEN IT IS CLEARLY AND SPECIFICALLY WITHIN BOHLER'S SCOPE OF SERVICES CONTRACT WITH THE OWNER/DEVELOPER, BOHLER 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 EVALUATING CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND 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, BOHLER WILL PERFORM ITS SHOP DRAWING REVIEW WITH REASONABLE PROMPTNESS AS CONDITIONS PERMIT. ANY DOCUMENT, DOCUMENTING BOHLER'S REVIEW OF A SPECIFIC ITEM OR LIMITED SCOPE, MUST NOT
- INDICATE THAT BOHI FR HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHI FR IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR MUST, IN WRITING, PROMPTLY AND IMMEDIATELY BRING ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS TO BOHI FR'S ATTENTION. BOHI FR IS NOT REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED 25. IF THE CONTRACTOR DEVIATES FROM THESE PLANS AND/OR SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER OF RECORD AND/OR BOHLER FOR ALL DEVIATIONS WITHIN
- ENGINEER'S SCOPE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK PERFORMED WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, MUST DEFEND, INDEMNIFY, PROTECT, AND HOLD HARMLESS THE ENGINEER OF RECORD AND BOHLER PARTIES TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, CLAIMS, INJURIES, PENALTIES AND THE LIKE RELATED TO SAME.

- 26. THE CONTRACTOR IS RESPONSIBLE FOR A MAINTAINING AND PROTECTING THE TRAFFIC CONTROL PLAN AND ELEMENTS IN RIGHT OF WAY OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE AND IS THE CONTRACTOR'S SOLE RESPONSIBILITY
- FAILURE TO PRESERVE.
- MODIFICATIONS AMENDMENTS OR REVISIONS TO SAME RESPONSIBILITY FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES AND WORK.
- **RESPONSIBLE FOR FAILING TO DO SO**
- RECORD. THE USE OF THE WORDS 'CERTIFY' OR 'CERTIFICATION' CONSTITUTE(S) AN EXPRESSION ONLY OF PROFESSIONAL OPINION.

SITE LAYOUT NOTES

- THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.

- GUIDELINES, RULES, REGULATIONS, STANDARDS AND THE LIKE.
- RELOCATION OF TRAFFIC SIGNS WITH THE ENTITY WITH JURISDICTION OVER THE PROJECT
- ACCORDANCE WITH THE DETAILS, UNLESS NOTED CLEARLY OTHERWISE.

GRADING NOTES

- WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
- RECORD AND THE OWNER PRIOR TO THE CONTRACTOR COMMENCING ANY WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT
- ENGINEER OF RECORD IN WRITING
- (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
- STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. IN THE EVENT OF A DISCREPANCY(IES) AND/OR A CONFLICT(S) BETWEEN PLANS, OR RELATIVE TO OTHER PLANS, THE GRADING WRITING, OF ANY DISCREPANCY(IES) AND/OR CONFLICT(S).

- 1. ALL ACCESSIBLE (A.K.A. ADA) COMPONENTS AND ACCESSIBLE ROUTES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE BOTH, WHICH ARE IN EFFECT WHEN THESE PLANS WERE COMPLETED.
- CONSISTENCY WITH INDUSTRY GUIDELINES
- TO THE FOLLOWING:
- THAN 1:2. NO VERTICAL CHANGES OVER 1/4-INCH ARE PERMITTED.
- NOT EXCEED 1:10 (10%) SLOPE. LEVEL LANDING MUST BE PROVIDED AT RAMPS TOP AT A MINIMUM OF 36-INCHES LONG (48-INCHES PREFERRED). IN ALTERATIONS, WHEN THERE IS NO LANDING AT THE TOP, FLARE SIDES SLOPES MUST NOT EXCEED A SLOPE OF 1:12 (8.3%).
- BY ACCESSIBLE STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2009 AND OTHER REFERENCES INCORPORATED BY CODE).
- FREE REGULATIONS AND THE ACCESSIBLE GUIDELINES.
- CONSISTENT WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCING CONSTRUCTION.

ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS, FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE

27. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS IN STRICT ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN; AND, FURTHER, THE ENGINEER OF RECORD AND/OR BOHLER ARE NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS. AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD THE ENGINEER OF RECORD AND BOHLER PARTIES, HARMLESS FOR ALL INJURIES, DAMAGES AND COSTS THAT ENGINEER OF RECORD AND/OR BOHLER INCUR AS A RESULT OF SAID FAILURE OR

28. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL RULES AND REGULATIONS, LAWS, ORDINANCES, AND CODES, AND ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 ET SEQ.) AS AMENDED, AND ANY 29. THE CONTRACTOR MUST STRICTLY COMPLY WITH THE LATEST AND CURRENT OSHA STANDARDS AND REGULATIONS, AND/OR ANY

OTHER AGENCY WITH JURISDICTION OVER EXCAVATION AND TRENCHING PROCEDURES. ENGINEER OF RECORD AND BOHLER HAS NO 30. THE CONTRACTOR AND THE OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF THE CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY, INDEPENDENTLY, SEPARATELY, COLLECTIVELY, AND SEVERALLY INDEMNIFY DEFEND PROTECT AND HOLD ENGINEER OF RECORD AND/OR BOHLER PARTIES HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AN ON-SITE STORMWATER POLILITION PREVENTION PLAN (SWPPP) IN COMPLIANCE

WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS OR LOCAL GOVERNING AGENCY FOR SITES WHERE ONE (1) ACRE OR MORE IS DISTURBED BY CONSTRUCTION ACTIVITIES (UNLESS THE LOCAL JURISDICTION REQUIRES A DIFFERENT THRESHOLD). THE CONTRACTOR MUST ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF ALL SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE AND FURTHER, THE CONTRACTOR IS SOLELY AND COMPLETELY 32. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER OF

REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE ENGINEER OF RECORD'S KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON AND ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE OF ANY NATURE OR TYPE. EITHER EXPRESSED OR IMPLIED, UNDER ANY CIRCUMSTANCES.

(Rev. 1/2020)

DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY

PRIOR TO THE COMMENCEMENT OF GENERAL CONSTRUCTION THE CONTRACTOR MUST INSTALL SOIL FROSION CONTROL AND ANY STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES NECESSARY, AS INDICATED ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN AND IN ACCORDANCE WITH APPLICABLE AND/OR APPROPRIATE AGENCIES' GUIDELINES O PREVENT SEDIMENT AND/OR LOOSE DEBRIS FROM WASHING ONTO ADJACENT PROPERTIES OR THE RIGHT OF WAY. ALL DIRECTIONAL/TRAFFIC SIGNING AND PAVEMENT STRIPING MUST CONFORM TO THE LATEST STANDARDS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ANY APPLICABLE STATE OR LOCALLY APPROVED SUPPLEMENTS.

THE LOCATIONS OF PROPOSED UTILITY POLES AND TRAFFIC SIGNS SHOWN ON THE PLANS ARE SCHEMATIC AND PRELIMINARY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR FIELD-VERIFYING THEIR LOCATION. THE CONTRACTOR MUST COORDINATE THE ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, EXCEPT WHEN DIMENSION IS TO A PROPERTY LINE, STAKE OUT OF LOCATIONS OF INLETS, LIGHT POLES, ETC. MUST BE PERFORMED IN STRICT

(Rev.1/2020)

THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY

SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AS REFERENCED IN THIS PLAN SET. IF NO GEOTECHNICAL REPORT HAS BEEN REFERENCED, THE CONTRACTOR MUST HAVE A GEOTECHNICAL ENGINEER PROVIDE WRITTEN SPECIFICATIONS AND RECOMMENDATIONS PRIOR TO THE CONTRACTOR COMMENCING THE GRADING WORK. THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS, WHICH HAVE JURISDICTION OVER THIS PROJECT THE CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. THE CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO THE ENGINEER OF

ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. SHOULD DISCREPANCIES BETWEEN THE PLANS AND INFORMATION OBTAINED THROUGH FIELD VERIFICATIONS BE IDENTIFIED OR EXIST, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. THE CONTRACTOR MUST COMPACT ALL EXCAVATED OR FILLED AREAS IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT'S GUIDANCE, 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. THIS REPORT MUST VERIFY 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 WHICH ARE IN EFFECT AND WHICH ARE APPLICABLE TO THE PROJECT. 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 MUST BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL, COMPACTED AS THE GEOTECHNICAL REPORT DIRECTS. 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

THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED FINISHED GRADES WITH NO TRIPPING OR SAFETY HAZARD IN ACCORDANCE WITH ALL APPLICABLE

PLAN TAKES PRECEDENCE AND CONTROLS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD. IN 8. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL AS NECESSARY TO CONFORM TO THE

ACCESSIBILITY DESIGN GUIDELINES

PROPOSED GRADING, AND TO BACKFILL EXCAVATIONS FOR THE INSTALLATION OF UNDERGROUND IMPROVEMENTS.

(Rev. 1/2020)

MORE STRINGENT OF: (A) 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.); AND (B) ANY APPLICABLE LOCAL AND STATE GUIDELINES, AND ANY AND ALL AMENDMENTS TO THE CONTRACTOR MUST REVIEW ALL DOCUMENTS REFERENCED IN THESE NOTES FOR ACCURACY, COMPLIANCE AND

THE CONTRACTOR MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ACCESSIBLE (ADA) COMPONENTS AND ACCESSIBLE ROUTES FOR THE SITE. FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACES PUBLIC TRANSPORTATION PEDESTRIAN ACCESS AND INTER-BUILDING ACCESS TO POINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT, MUST COMPLY WITH THE ACCESSIBLE GUIDELINES AND REQUIREMENTS WHICH INCLUDE, BUT ARE NOT LIMITED

A. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SLOPES MUST NOT EXCEED 1:50 (2.0%) IN ANY DIRECTION. B. PATH OF TRAVEL ALONG ACCESSIBLE ROUTE MUST PROVIDE A 36-INCHES MINIMUM WIDTH (48-INCHES PREFERRED), OR AS SPECIFIED BY THE GOVERNING AGENCY. UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS) MUST NOT REDUCE THIS MINIMUM WIDTH. THE SLOPE MUST NOT EXCEED 1:20 (5.0%) IN THE DIRECTION OF TRAVEL AND MUST NOT EXCEED 1:50 (2.0%) IN CROSS SLOPE. WHERE ACCESSIBLE PATH OF TRAVEL IS GREATER THAN 1:20 (5.0%), AN ACCESSIBLE RAMP MUST BE PROVIDED ALONG THE ACCESSIBLE PATH OF TRAVEL OPENINGS MUST NOT EXCEED 1/2-INCH IN WIDTH VERTICAL CHANGES OF UP TO 1/2-INCH ARE PERMITTED ONLY IF THEY INCLUDES A 1/4-INCH BEVEL AT A SLOPE NOT STEEPER

ACCESSIBLE RAMPS MUST NOT EXCEED A SLOPE OF 1:12 (8.3%) AND A RISE OF 30-INCHES. LEVEL LANDINGS MUST BE PROVIDED AT EACH END OF ACCESSIBLE RAMPS. LANDING MUST PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES. AND MUST NOT EXCEED 1:50 (2.0%) SLOPE IN ANY DIRECTION. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS MUST HAVE A CLEAR LANDING OF A MINIMUM OF 60-INCHES BY 60-INCHES. HAND RAILS ON BOTH SIDES OF THE RAMP MUST BE PROVIDED ON AN ACCESSIBLE RAMP WITH A RISE GREATER THAN 6-INCHES. D. ACCESSIBLE CURB RAMPS MUST NOT EXCEED A SLOPE OF 1:12 (8.3%). WHERE FLARED SIDES ARE PROVIDED, THEY MUST

E. DOORWAY LANDINGS AREAS MUST BE PROVIDED ON THE EXTERIOR SIDE OF ANY DOOR LEADING TO AN ACCESSIBLE PATH F TRAVEL. THIS LANDING MUST BE SLOPED AWAY FROM THE DOOR NO MORE THAN 1:50 (2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO FEWER THAN 60-INCHES (5 FEET) LONG, EXCEPT WHERE OTHERWISE CLEARLY PERMITTED

F. WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR TO ACCESSIBLE COMPONENTS FROM EXISTING DOORWAYS OR SURFACES, THE CONTRACTOR MUST VERIFY ALL 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 ENGINEER OF RECORD. IN WRITING, OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR IN ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS BEFORE COMMENCING ANY WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER

G. THE CONTRACTOR MUST VERIFY ALL OF THE SLOPES OF THE CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. IF ANY NON-CONFORMANCE EXISTS OR IS OBSERVED OR DISCOVERED. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, PRIOR TO POURING CONCRETE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND/OR REPLACE NON-CONFORMING CONCRETE AND/OR PAVEMENT SURFACES. IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION TO ENSURE SAME IS

DEMOLITION NOTES

THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES. IN THEIR ENTIRETY, THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES. THE CONTRACTOR MUST CONDUCT DEMOLITION/REMOVALS ACTIVITIES IN SUCH A MANNER AS TO ENSURE MINIMUM

- INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND ALL OTHER ADJACENT FACILITIES. THE CONTRACTOR MUST OBTAIN ALL APPLICABLE PERMITS FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY(IES) PRIOR TO THE COMMENCEMENT OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY
- WHEN DEMOLITION-RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY RIGHT-OF-WAY, THE CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), AND THE FEDERAL STATE AND LOCAL REGULATIONS THE DEMOLITION (AND/OR REMOVALS) PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION AND TO IDENTIFY ONLY
- CONDITIONS REGARDING ITEMS TO BE DEMOLISHED, REMOVED, AND/OR TO REMAIN. A. THE CONTRACTOR MUST ALSO REVIEW ALL CONSTRUCTION DOCUMENTS AND INCLUDE WITHIN THE DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVEMENTS.
- B. THIS PLAN IS NOT INTENDED TO AND DOES NOT PROVIDE DIRECTION REGARDING THE MEANS. METHODS. SEQUENCING, TECHNIQUES AND PROCEDURES TO BE EMPLOYED TO ACCOMPLISH THE WORK, ALL MEANS METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE AND CONFORMANCE WITH ALL STATE FEDERAL LOCAL AND JURISDICTIONAL REQUIREMENTS THE CONTRACTOR MUST COMPLY WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE FOR THE CONTRACTOR AND THE PUBLIC
- THE CONTRACTOR MUST PROVIDE ALL "METHODS AND MEANS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT. OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE THE CONTRACTOR, AT THE CONTRACTOR'S SOLE COST, MUST REPAIR ALL DAMAGE TO ALL ITEMS AND FEATURES THAT ARE TO REMAIN. CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIRS MUST INCLUDE THE RESTORATION OF ALL ITEMS AND FEATURES REPAIRED TO THEIR PRE-DEMOLITION CONDITION, OR BETTER. CONTRACTOR MUST PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE
- ENGINEER OF RECORD AND/OR BOHLER ARE NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. THE CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, COMPLYING WITH ALL OSHA REQUIREMENTS. TO ENSURE PUBLIC AND CONTRACTOR SAFETY AND SAFETY TO ALL PROPERTY ON THE SITE OR ADJACENT OR NEAR TO THE SAME
- THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY, WHICH MUST INCLUDE, BUT IS NOT LIMITED TO. THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING, OTHER APPROPRIATE AND/OR NECESSARY SAFETY FEATURES AND ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR MUST SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF ALL UNAUTHORIZED PERSONS AT ANY TIME, TO OR NEAR THE DEMOLITION AREA.
- 8. PRIOR TO THE COMMENCEMENT OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY, THE CONTRACTOR MUST, IN WRITING, RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS AND/OR SPECIFICATIONS, ALL CONCERNS OR QUESTIONS REGARDING THE APPLICABLE SAFETY STANDARDS. AND/OR THE SAFETY OF THE CONTRACTOR AND/OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT. ANY SUCH CONCERNS MUST BE CONVEYED TO THE ENGINEER OF RECORD AND/OR BOHLER, IN WRITING AND MUST ADDRESS ALL ISSUES AND ITEMS RESPONDED TO, BY THE ENGINEER OF RECORD AND/OR BY BOHLER . IN WRITING, ALL DEMOLITION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.
- 9. THE CONTRACTOR MUST BECOME FAMILIAR WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AND/OR DISCONNECTION 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, REMOVED AND/OR ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES LAWS ORDINANCES AND CODES
- 10. PRIOR TO COMMENCING ANY DEMOLITION. THE CONTRACTOR MUST: A. OBTAIN ALL REQUIRED PERMITS AND MAINTAIN THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND ALL PUBLIC AGENCIES WITH JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK
- B. NOTIFY, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION JURISDICTION, AT LEAST 72 BUSINESS HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- C. INSTALL THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE, AND MAINTAIN SAID CONTROLS UNTIL SITE IS STABILIZED D. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION
- SYSTEM FOR UTILITY MARK OUT, IN ADVANCE OF ANY EXCAVATION. LOCATE AND PROTECT ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC SANITARY AND STORM SEWER. TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC, WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMENTS OF THE
- APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL UNDERGROUND UTILITIES. F. PROTECT AND MAINTAIN IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ANY DEMOLITION ACTIVITIES. G. ARRANGE FOR AND COORDINATE WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR
- PERMANENT TERMINATION OF SERVICE REQUIRED BY THE PROJECT PLANS AND SPECIFICATIONS REGARDING THE METHODS AND MEANS TO CONSTRUCT SAME. THESE ARE NOT THE ENGINEER OF RECORD'S RESPONSIBILITY. IN THE EVENT OF ABANDONMENT. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WITH IMMEDIATE WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS. H. ARRANGE FOR AND COORDINATE WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) REGARDING WORKING
- "OFF-PEAK" HOURS OR ON WEEKENDS AS NECESSARY OR AS REQUIRED TO MINIMIZE THE IMPACT ON, OF AND TO THE AFFECTED PARTIES. WORK REQUIRED TO BE PERFORMED "OFF-PEAK" IS TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL, THE REMOVAL OF WHICH IS NOT
- ADDRESSED IN THE PROJECT PLANS AND SPECIFICATIONS, OR THE CONTRACT WITH THE OWNER/DEVELOPER, THE CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK IN THE AREA OF DISCOVERY, AND IMMEDIATELY NOTIFY MATERIALS TO PURSUE PROPER AND COMPLIANT REMOVAL OF SAME
- 11. THE CONTRACTOR MUST ENSURE THAT ANY EXISTING ASBESTOS-CONTAINING MATERIALS ENCOUNTERED ARE PROPERLY REMOVED FROM THE SUBJECT PREMISES AND ARE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS, PRIOR TO THE COMMENCEMENT OF DEMOLITION ON SITE AND MUST PERFORM ALL AGENCY NOTIFICATIONS AS REQUIRED. AT THE CONTRACTOR'S SOLE EXPENSE
- 12. THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS. FOOTINGS. OR OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE. UNLESS SAME IS IN STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, OR PURSUANT TO THE
- WRITTEN DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER. 13. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE OR INCLUDE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT SPECIFIC WRITTEN PERMISSION AND AUTHORITY OF AND FROM THE OWNER AND ALL GOVERNMENTAL AGENCIES WITH JURISDICTION
- 14. THE CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH APPROVED BACKFILL MATERIALS AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT ALL NEW IMPROVEMENTS AND MUST BE PERFORMED IN COMPLIANCE WITH THE RECOMMENDATIONS. AND GUIDANCE ARTICULATED IN THE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES AND MUST BE PERFORMED SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE. THE CONTRACTOR IS RESPONSIBLE FOR COMPACTION TESTING AND MUST SUBMIT SUCH REPORTS AND RESULTS TO THE ENGINEER OF RECORD AND THE OWNER
- 15. EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT FROM BOTH THE OWNER AND ALL APPLICABLE, NECESSARY AND REQUIRED GOVERNMENTAL AUTHORITIES. PRIOR TO COMMENCING ANY EXPLOSIVE PROGRAM AND/OR ANY DEMOLITION ACTIVITIES, THE CONTRACTOR MUST ENSURE AND OVERSEE THE INSTALLATION OF ALL OF THE REQUIRED PERMIT AND EXPLOSIVE CONTROL MEASURES THAT THE FEDERAL, STATE, AND LOCAL GOVERNMENTS REQUIRE. THE CONTRACTOR IS ALSO RESPONSIBLE TO CONDUCT AND PERFORM ALL INSPECTION AND SEISMIC
- VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES AND THE LIKE. 16. IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS, THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR. AFTER THE DEMOLITION IS COMPLETE, THE CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS WHICH THE DEMOLITION OPERATIONS CAUSE. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL
- ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION AT CONTRACTOR'S SOLE COST. 17. 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 OUTSIDE OF APPROVED AREAS WILL NOT BE PERMITTED,
- INCLUDING BUT NOT LIMITED TO, THE PUBLIC RIGHT-OF-WAY. 18. THE CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS WHICH INDICATES THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER AND TURNED OVER TO THE OWNER/DEVELOPER UPON
- COMPLETION OF THE WORK, ALL OF WHICH IS AT THE CONTRACTOR'S SOLE COST. 19. THE CONTRACTOR MUST EMPTY, CLEAN AND REMOVE FROM THE SITE ALL UNDERGROUND STORAGE TANKS. IF ENCOUNTERED, IN ACCORDANCE WITH FEDERAL, STATE, COUNTY AND LOCAL REQUIREMENTS, PRIOR TO CONTINUING CONSTRUCTION IN THE AREA AROUND THE TANK WHICH EMPTYING, CLEANING AND REMOVAL ARE AT THE

LIGHTING NOTES

CONTRACTOR'S SOLE COST.

- THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES. IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
- THE LIGHTING CONTRACTOR MUST COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE PLANS, INCLUDING BUT NOT LIMITED TO GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL AGENCY AND GOVERNMENTAL REGULATIONS. 3. THE LIGHTING PLAN DEPICTS PROPOSED, SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE

(Rev. 1/2020)

- NOTED MANUFACTURER. 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. 4. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ANALYZED ON A HORIZONTAL GEOMETRIC
- PLANE AT GROUND LEVEL UNLESS OTHERWISE NOTED. ILLUMINATION LEVELS ARE SHOWN IN FOOT-CANDLES (FC). THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT IS NOT LIMITED TO, VISUAL OBSERVATION, CLEANING OF LENSES, AND RE-LAMPING ACCORDING TO MANUFACTURER RECOMMENDATIONS. FAILURE TO FOLLOW THE ABOVE STEPS COULD RESULT IN IMPROPER LIGHT DISTRIBUTION AND FAILURE TO COMPLY WITH THE APPROVED DESIGN. UPON COMPLETION AND
- OWNER'S ACCEPTANCE OF THE WORK, THE ABOVE RESPONSIBILITIES BECOMES SOLELY THE OWNER'S. 6. THE LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES. POWER SYSTEM. CONDUITS. WIRING AND OTHER ELECTRICAL COMPONENTS ARE SOLELY THE ARCHITECT'S, MECHANICAL ENGINEER'S AND/OR LIGHTING CONTRACTOR'S RESPONSIBILITY. AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THE LIGHTING CONTRACTOR MUST COORDINATE WITH THE PROJECT ARCHITECT AND/OR ELECTRICAL ENGINEER REGARDING ANY AND ALL POWER SOURCES AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF LIGHTING
- FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES. THE CONTRACTOR MUST BRING IMMEDIATELY, IN WRITING, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURE(S) TO THE ENGINEER OF RECORD'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION
- 8. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT SHIELDING AND OR ROTATED OPTICS ARE INSTALLED AS INDICATED ON THE PLAN IN ORDER TO ACHIEVE THE LIGHTING LEVELS THE REVIEWING AGENCY APPROVED.

SOIL EROSION & SEDIMENT CONTROL PLAN NOTES (Rev. 1/2020) 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS THE GENERAL NOTES ARE REFERENCED HEREIN AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES. IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES. 2. EROSION CONTROL MEASURES MUST CONFORM TO THE ______ VIRGINIA____ GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL UNLESS OTHERWISE NOTED, OR UNLESS ENGINEER CLEARLY AND SPECIFICALLY, IN WRITING, DIRECTS OTHERWISE. INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK MUST BE PERFORMED EXACTLY AS INDICATED IN THE EROSION CONTROL CONSTRUCTION NOTES. THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 0.67 ACRES. THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED FOR THIS SITE

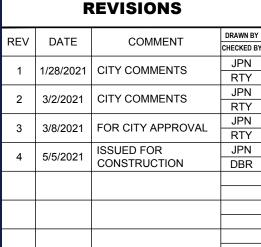
- A. STABILIZED CONSTRUCTION ENTRANCE/ EXIT A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT IS TO BE INSTALLED AT THE DESIGNATED LOCATION SHOWN ON THE PLAN. THIS AREA MUST BE GRADED SO THAT RUNOFF WATER WILL BE RETAINED ON-SITE. B. SEDIMENT FENCE - INSTALL SILT FENCE(S) AND/OR SILT SOCK AROUND ALL OF THE DOWNSLOPE PERIMETERS OF THE SITE,
- TEMPORARY FILL AND SOIL STOCKPILES. INSTALL FILTER FABRIC DROP INLET PROTECTION AROUND EACH DRAINAGE INLET AS DRAINAGE STRUCTURES ARE INSTALLED TO REDUCE THE QUANTITY OF SEDIMENT. INSTALL TEMPORARY INLET PROTECTION ON INLETS DOWNSLOPE FROM DISTURBANCE, WHICH MAY BE BEYOND THE LIMITS OF DISTURBED AREA. 5. INSTALLATION OF EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH ALL OF THE MANUFACTURER'S
- RECOMMENDATIONS. 6. THE CONTRACTOR MUST INSPECT EROSION CONTROL MEASURES WEEKLY. THE CONTRACTOR MUST REMOVE ANY SILT DEPOSITS GREATER THAN 6" COLLECTED ON THE FILTER FABRIC AND/OR SILT SOCK BARRIERS AND EXCAVATE AND REMOVE ANY SILT FROM DROP INLET PROTECTION. THE CONTRACTOR MUST APPLY TEMPORARY SEED AND MULCH TO ALL DISTURBED AREAS THAT WILL NOT BE BROUGHT TO
- FINISHED GRADE AND VEGETATED WITHIN 7 DAYS. WHEN AREAS ARE DISTURBED AFTER THE GROWING SEASON, THE CONTRACTOR MUST STABILIZE SAME WITH GEOTEXTILE FABRIC AND MAINTAIN SAME IN STRICT ACCORDANCE WITH BEST MANAGEMENT PRACTICES. THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL MEASURES IF ENGINEER SO REQUIRES, TO PREVENT ANY
- INCLUDING THE INCIDENTAL, DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE. THE CONTRACTOR MUST BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES ON THE SITE UNTIL PERMANENT PAVING AND TURF/LANDSCAPING IS ESTABLISHED. THE COSTS OF INSTALLING AND MAINTAINING THE EROSIO CONTROL MEASURES MUST BE INCLUDED IN THE BID PRICE FOR THE SITE WORK AND THE CONTRACTOR IS RESPONSIBLE FOR ALL SUCH COSTS
- 10. THE CONTRACTOR MUST CONTINUE TO MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND THE ESTABLISHMENT OF VEGETATION. 11. THE CONTRACTOR MUST REMOVE EROSION CONTROL MEASURES. SILT AND DEBRIS AFTER ESTABLISHING PERMANENT
- VEGETATION COVER OR OTHER INSTALLING A DIFFERENT, SPECIFIED METHOD OF STABILIZATION. 12 THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES MEASURES AND STRUCTURES ADDITIONAL FACILITIES MEASURES AND STRUCTURES MUST BE INSTALLED WHERE NECESSARY TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AND/OR TO PREVENT ANY, INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE. 13. THE CONTRACTOR MUST PROTECT ALL EXISTING TREES AND SHRUBS. THE CONTRACTOR MUST REFER TO THE LANDSCAPE AND/OR DEMOLITION PLAN(S) FOR TREE PROTECTION, FENCE LOCATIONS AND DETAILS.
- 14. THE CONTRACTOR MUST REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION. 15 THE CONTRACTOR MUST CLEAN EXISTING AND PROPOSED DRAINAGE STRUCTURES AND INTERCONNECTING PIPES ON OF OFF-SITE AS THE JURISDICTIONAL AGENCY REQUIRES, BOTH AT THE TIME OF SITE STABILIZATION AND AT END OF PROJECT. 16 SOIL EROSION CONTROL MEASURES MUST BE ADJUSTED OR RELOCATED BY THE CONTRACTOR AS IDENTIFIED DURING SITE OBSERVATION IN ORDER TO MAINTAIN THE COMPLETE EFFECTIVENESS OF ALL CONTROL MEASURES THE CONTRACTOR MUST IDENTIFY, ON THE PLAN, THE LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE

WASHOUT AREAS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED.

DRAINAGE AND UTILITY NOTES

- (Rev.1/2020)
- THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES
- LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE <u>APPROXIMATE</u>, AND THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM THOSE LOCATIONS AND SERVICES WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY CONSTRUCTION OR EXCAVATION. THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM ALL SANITARY CONNECTION POINTS AND ALL OTHER UTILITY SERVICE CONNECTION POINTS IN THE FIELD. PRIOR TO COMMENCING ANY CONSTRUCTION. THE CONTRACTOR MUST REPORT ALL DISCREPANCIES. ERRORS AND OMISSIONS IN WRITING. TO THE ENGINEER OF RECORD. THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL OF THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES WHICH OCCUR DURING CONSTRUCTION, AT NO COST TO THE OWNER AND AT CONTRACTOR'S SOLE COST AND EXPENSE. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES WHICH OCCURS DURING CONSTRUCTION.
- THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES BY USING A TEST PIT TO CONFIRM EXACT DEPTH, PRIOR TO COMMENCEMENT OF CONSTRUCTION. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON ARCHITECTURAL PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF SAME BASED UPON FINAL ARCHITECTURAL PLANS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS FOR EXACT
- BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS AND DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITY 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 OF THE APPLICABLE JURISDICTION AND REGULATORY AGENCIES 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 DOCUMENTS AND THE ARCHITECTURAL PLANS. OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, AND PRIOR TO CONSTRUCTION. MUST RESOLVE SAME
- ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE EXACTLY AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND THE CONTRACTOR MUST COORDINATE SAME 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 HAS NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL. COMPACTION AND BACKFILL. 8 DURING THE INSTALLATION OF SANITARY STORM 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, IN ANY RESPECT, FROM THE INFORMATION CONTAINED IN THESE PLANS. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE SITE PLAN, WHICH THE CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER IMMEDIATELY UPON THE COMPLETION OF WORK. THE CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SANITARY WATER AND STORM SYSTEMS, ARE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND OR STATE DOT DETAILS AS APPLICABLE. THE CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.
- 10. FINAL LOCATIONS OF PROPOSED UTILITY POLES, AND/ OR POLES TO BE RELOCATED ARE AT THE SOLE DISCRETION OF THE RESPECTIVE UTILITY COMPANY, REGARDLESS OF WHAT THIS PLAN DEPICTS. 11. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. THE CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION







ALWAYS CALL 811 It's fast. It's free. It's the law.

ISSUED FOR CONSTRUCTION

IS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGE VIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCT DOCUMENT UNLESS INDICATED OTHERWISE.

10/12/2020

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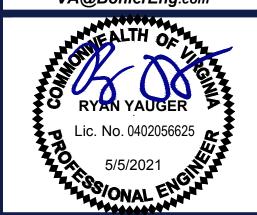
PROJECT: PROP. SITE PLAN DOCUMENTS



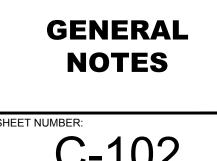
PROPOSED DEVELOPMENT 1465 NORTH MAIN STREET CITY OF SUFFOLK, VA 23434



28 BLACKWELL PARK LANE, SUITE 207 WARRENTON, VIRGINIA 20186 Phone: (540) 349-4500 Fax: (540) 349-0321 VA@BohlerEng.com



SHEET TITLE:





CITY OF SUFFOLK

442 W WASHINGTON ST., POST OFFICE BOX 1858, SUFFOLK, VIRGINIA 23439-1858 PHONE: (757) 514-4060 FAX: (757) 514-4099

DEPARTMENT OF PLANNING & COMMUNITY DEVELOPMENT

Division of Planning

January 24, 2017

Marcia Cornelison Cornelison Engineering and Design, Inc. 38039 Old 5th Avenue Zephyrhills, FL 33542

Re: Taco Bell Rebuild, 1465 N. Main Street; Tax Map Parcel 34*11B*1; Zoned B2, General Commercial Zoning District and SCOD (Special Corridor Overlay District).

Dear Ms. Cornelison:

After reviewing the parking agreement regarding the Taco Bell property at 1465 N. Main Street, Suffolk, Virginia, and the adjacent shopping center, I agree that the parking easement does not expire. This agreement would be sufficient to allow cross-parking for the redevelopment of the Taco Bell property in order to meet the parking requirements of the Suffolk Unified Development Ordinance (UDO), provided that all other requirements are met.

Please refer to the UDO Section 31-606, Parking and Loading Standards, Subsection (a)(4), Shared Parking Facilities, for these requirements:

Section 31-606, Subsection (a)(4) B. Off-street parking requirements of a given use may be met with off-site, off-street parking facilities of another use when, and if, all of the following conditions are met:

- (i) The off-site, off-street parking facilities are within 200 feet of the property; and
- (ii) The parking demands of the individual uses, as determined by the Administrator based upon minimum off-street parking requirements, are such that the total parking demand of all the uses at any one time is less than the total parking stalls required; and
- (iii) A written agreement between the owners and lessees is executed for a minimum of twenty (20) years, approved by the Administrator, recorded, and a copy maintained in the project file. Should the lease expire or otherwise terminate, the use for which the off-site parking was provided shall be considered nonconforming and any and all approvals, including Conditional Use Permits, shall be subject to revocation. Continuation or expansion of the use shall be prohibited unless the use is brought into compliance with the parking regulations of this Ordinance.

Please also be advised that Tax Map Parcel 34*11B*1, located at 1465 N. Main Street, lies within the Special Corridor Overlay District (SCOD). As an overlay district, there are supplementary requirements that must be met in addition to those of the underlying B2, General Commercial Zoning District.

Please refer to the Suffolk UDO, Section 31-412, Special Corridor Overlay District (SCOD). According to subsection (b)(3)B, this lot is subject to SCOD setback requirements only along the SCOD road, which is N. Main Street, because this lot does not take access from the SCOD road. Setback requirements along the other three (3) lot lines must conform to the B2 zoning district. However, all other requirements of the SCOD must be met, including but not limited to, yard requirements, access and internal circulation, landscaping, driveways and parking areas, etc.

If you have any questions regarding this matter or if you would like to meet with City staff regarding these comments, please feel free to contact me at 757-514-4061 or (email: dhainley@suffolkva.us).

Development

Director of Planning and Community

DH/mar cc: File

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THE PROPERTY AREA IS PART OF PARCEL B, DESIGNATED SITE G, PER PLAT ENTITLED, "SUBDIVISION OF PARCEL B, SUFFOLK CITY FARM PROPERTY OF FARM FRESH, INC. CHUCKATUCK BOROUGH, SUFFOLK, VIRGINIA", AS RECORDED IN MAP BOOK 9 PAGE 115 AND BEING THE LANDS OF TACO BELL OF AMERICA, INC. AS RECORDED IN DEED BOOK 651 PAGE 648 AND INSTRUMENT #150060121, ALL AMONG THE LANDS RECORDS OF CITY OF SUFFOLK, VIRGINIA AND HAVING A MAP NO. OF 34 11B 1 PER THE DEPARTMENT OF ASSESSMENTS.

2. AREA = 26,476 SQUARE FEET OR 0.608 ACRES (M)

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.

4. THIS SURVEY WAS PERFORMED IN THE FIELD ON APRIL 19, 2020 UTILIZING THE REFERENCE DOCUMENTS AS LISTED HEREON AND DEPICTS BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS.

5. ELEVATIONS ARE BASED ON NAVD88 DATUM DETERMINED BY GPS OBSERVATIONS AND TIED IN TO THE CITY OF SUFFOLK NO. 102 WITH A PUBLISHED ELEVATION OF 41.6 FEET.

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, CITY OF SUFFOLK, VIRGINIA, INDEPENDENT CITY, PANEL 227 OF 390", MAP NUMBER 5101560227E, WITH A MAP **REVISION DATE OF AUGUST 3, 2015.**

THERE ARE NO GAP/GORES OR OVERLAP BETWEEN THE RIGHT-OF-WAY LINES OF NORTH MAIN STREET PUBLIC RIGHT-OF-WAY AND THE SUBJECT PARCEL.

8. PARKING: 36 STANDARD 2 ADA

38 TOTAL SPACES

9. PROPERTY HAS INDIRECT ACCESS ACROSS PARCEL B TO NORTH MAIN STREET VIA AN ACCESS EASEMENT RECORDED IN D.B. 122 PG. 647.

TITLE NOTES:

THIS SURVEY IS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY FIDELITY NATIONAL TITLE ORDER NO. 31275338, ISSUE DATE APRIL 3, 2020, WITH A SEARCH PERIOD BEGINNING MARCH 26, 1917 TO MARCH 30, 2020. OUR OFFICE HAS REVIEWED THE FOLLOWING SURVEY RELATED EXCEPTIONS.

MATTERS AS SHOWN AND NOTED ON PLAT RECORDED IN DEED BOOK 1, PAGE 131; MATTERS SHOWN AND NOTED DO NOT AFFECT THE SUBJECT PROPERTY.

MATTERS AS SHOWN AND NOTED ON PLAT RECORDED IN DEED BOOK 7, PAGE 104; EASEMENT SHOWN ON THE PLAT IS THAT IN TITLE EXCEPTION 5.

4) MATTERS AS SHOWN AND NOTED ON PLAT RECORDED IN DEED BOOK 9, PAGE 115; EASEMENT SHOWN ON THE PLAT IS THAT IN TITLE EXCEPTION 5.

RIGHT OF WAY IN FAVOR OF CITY OF SUFFOLK, A MUNICIPAL CORPORATION SET FORTH IN INSTRUMENT RECORDED ON MARCH 26, 1917 IN DEED BOOK 80, PAGE 324; AFFECTS THE SUBJECT PROPERTY, SHOWN. NOTE: THE EASEMENT IS IN FAVOR OF C&P TELEPHONE COMPANY.

UTILITY EASEMENT OF RIGHT OF WAY IN FAVOR OF CITY OF SUFFOLK, A MUNICIPAL CORPORATION RESERVED IN DEED INSTRUMENT RECORDED ON OCTOBER 4, 1983 IN DEED BOOK 119, PAGE 572; AFFECTS THE SUBJECT PROPERTY, EASEMENTS ARE RESERVED (NO DESCRIPTIONS), AND REFERENCED, NO EASEMENTS ARE CREATED.

AGREEMENT DATED JULY 26, 1984, BY AND BETWEEN SUFFOLK SHOPPING CENTER ASSOCIATES AND FARM FRESH, INC., RECORDED ON AUGUST 6, 1984 IN DEED BOOK 133, PAGE 847; AFFECTS THE SUBJECT PROPERTY, SHOWN.

RIGHT OF WAY IN FAVOR OF VIRGINIA ELECTRIC AND POWER COMPANY, A VIRGINIA CORPORATION, ITS SUCCESSORS AND ASSIGNS SET FORTH IN INSTRUMENT RECORDED ON AUGUST 8, 1984 IN DEED BOOK 134, PAGE 122; AFFECTS THE SUBJECT PROPERTY, SHOWN.

DECLARATION AND DEED OF RECIPROCAL EASEMENTS, RIGHTS AND RESTRICTIONS DATED DECEMBER 1, 1983, BY AND BETWEEN SUFFOLK SHOPPING CENTER ASSOCIATES, A LIMITED PARTNERSHIP AND FARM FRESH, INC., A VIRGINIA CORPORATION, RECORDED ON DECEMBER 14, 1983 IN DEED BOOK 122, PAGE 647; ACCESS AND PARKING EASEMENTS AFFECT AND BENEFIT THE SUBJECT PROPERTY, NOT PLOTTABLE, BLANKET IN NATURE, UTILITY AND DRAINAGE EASEMENTS DO NOT AFFECT THE SUBJECT PROPERTY. AFFECTS LANDS TO THE SOUTH AND WEST.

FIRST AMENDMENT TO DECLARATION AND DEED OF RECIPROCAL EASEMENTS, RIGHTS AND RESTRICTIONS RECORDED JULY 15, 1986 IN DEED BOOK 172, PAGE 690; AFFECTS THE SUBJECT PROPERTY, CONTAINS BUILDING RESTRICTIONS, LIMITS THE BUILDING GROSS FLOOR AREA TO 3,000 SQUARE FEET AND LIMITS THE PYLON SIGN HEIGHT TO NOT EXCEED THAT OF FARM FRESH, INC... RUII DING SETRACK UNE IS SHOW!

SECOND AMENDMENT TO DECLARATION AND DEED OF RECIPROCAL EASEMENTS, RIGHTS AND RESTRICTIONS RECORDED MAY 18, 1987 IN DEED BOOK 197, PAGE 588: AFFECTS THE SUBJECT PROPERTY, CONTAINS BUILDING RESTRICTIONS, NOT PLOTTABLE, LIMITS THE BUILDING HEIGHT TO 18

SURVEYED DESCRIPTION

BEING THE PROPERTY ACQUIRED BY TACO BELL OF AMERICA, INC. BY DEED DATED MARCH 16, 1999 AS RECORDED IN DEED BOOK 651 PAGE 648, LESS AND EXCEPT THAT PORTION CONVEYED TO THE CITY OF SUFFOLK IN INSTRUMENT NO. 150060121, ALL AMONG THE LAND RECORDS OF SUFFOLK COUNTY, VIRGINIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A REBAR WITH CAP FOUND AT THE INTERSECTION OF THE DIVISION LINE BETWEEN THE LANDS OF SAID TACO BELL OF AMERICA, INC. ON THE SOUTH, THE LANDS OF MAIN STREETS, LLC (INSTRUMENT NUMBER 000150930) ON THE NORTH, WITH THE EASTERLY RIGHT-OF-WAY LIMITS OF NORTH MAIN STREET - U.S. BUSINESS ROUTE 460 (VARIABLE WIDTH RIGHT-OF-WAY), THENCE WITH SAID EASTERLY RIGHT-OF-WAY LIMITS THE FOLLOWING FIVE (5) COURSES AND DISTANCES;

- 1. SOUTH 02° 54' 36" EAST, 122.27 FEET, THENCE
- CONTINUING, SOUTH 87° 31' 50"" WEST, 0.90 FEET, THENCE;
- CONTINUING, SOUTH 02° 28' 10" EAST, 7.00 FEET, THENCE;
- 4. CONTINUING, SOUTH 87° 31' 50" WEST, 2.00 FEET, THENCE;

5. CONTINUING, SOUTH 02° 35' 37" EAST, 18.26 FEET TO THE DIVISION LINE BETWEEN THE SAID TACO BELL OF AMERICA, INC. ON THE NORTH AND THE LANDS OF VIRGINIA SUFFOLK, LLC ON THE SOUTH, THENCE WITH SAID DIVISION LINE THE FOLLOWING FOUR (4) COURSES AND DISTANCES;

6. 17.29 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 39° 37' 54" AND A CHORD BEARING AND DISTANCE OF SOUTH 67° 16' 41" WEST, 16.95 FEET, THENCE;

- 7. CONTINUING, SOUTH 87° 05' 24" WEST, 144.59 FEET TO A REBAR WITH CAP FOUND, THENCE;
- 8. CONTINUING, 15.71 FEET ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 10.00 FEET, A CENTRAL ANGLE OF 90° 00' 00" AND A CHORD BEARING AND DISTANCE OF NORTH 47" 54' 36" WEST, 14.14 FEET TO A REBAR FOUND, THENCE;

9. CONTINUING, NORTH 02° 54' 36" WEST, 143.25 FEET TO THE SAID DIVISION LINE OF TACO BELL OF AMERICA, INC. ON THE SOUTH AND MAIN STREETS, LLC ON THE NORTH, THENCE WITH SAID DIVISION LINE;

10. NORTH 87° 05' 24" EAST, 173.59 FEET TO THE PLACE OF BEGINNING.

CONTAINING 26,476 SQUARE FEET OR 0.608 ACRES

BEING THE SAME PROPERTIES AS DESCRIBED A TITLE COMMITMENT REPORT PREPARED BY FIDELITY NATIONAL TITLE, ORDER NUMBER 31275338, WITH A SEARCH PERIOD BEGINNING MARCH 26, 1917 TO MARCH 30, 2020 AND IS SUBJECT TO RESTRICTIONS, COVENANTS AND/OR EASEMENTS, WRITTEN OR IMPLIED. DESCRIPTION HAS BEEN UPDATED TO NAD83/2011 DATUM BASED ON A CURRENT FIELD SURVEY, AND A ROAD DEDICATION RECORDED IN INSTRUMENT#150060121.

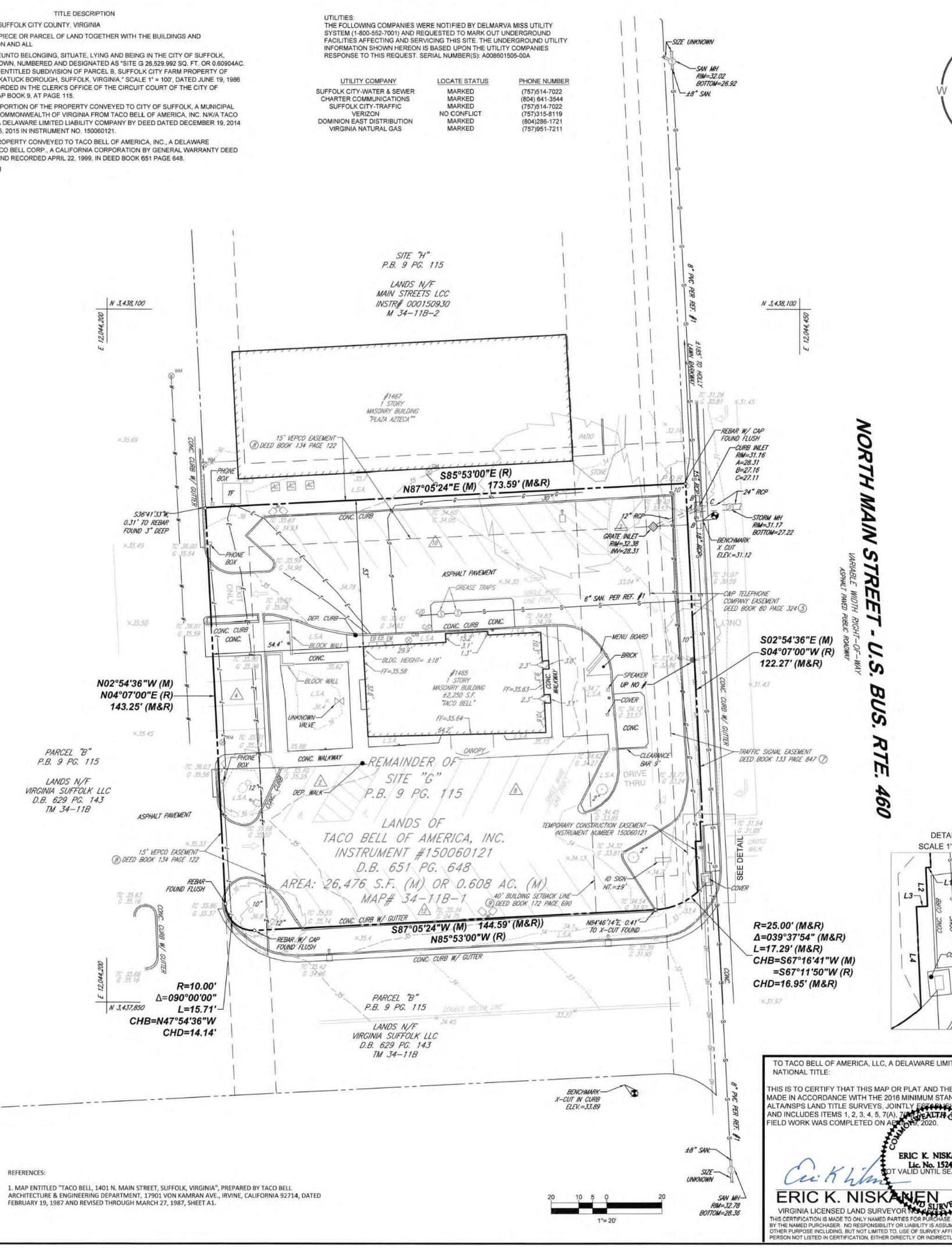
TITLE DESCRIPTION

PROPERTY LOCATED IN SUFFOLK CITY COUNTY, VIRGINIA ALL THAT CERTAIN LOT, PIECE OR PARCEL OF LAND TOGETHER WITH THE BUILDINGS AND IMPROVEMENTS THEREON AND ALL

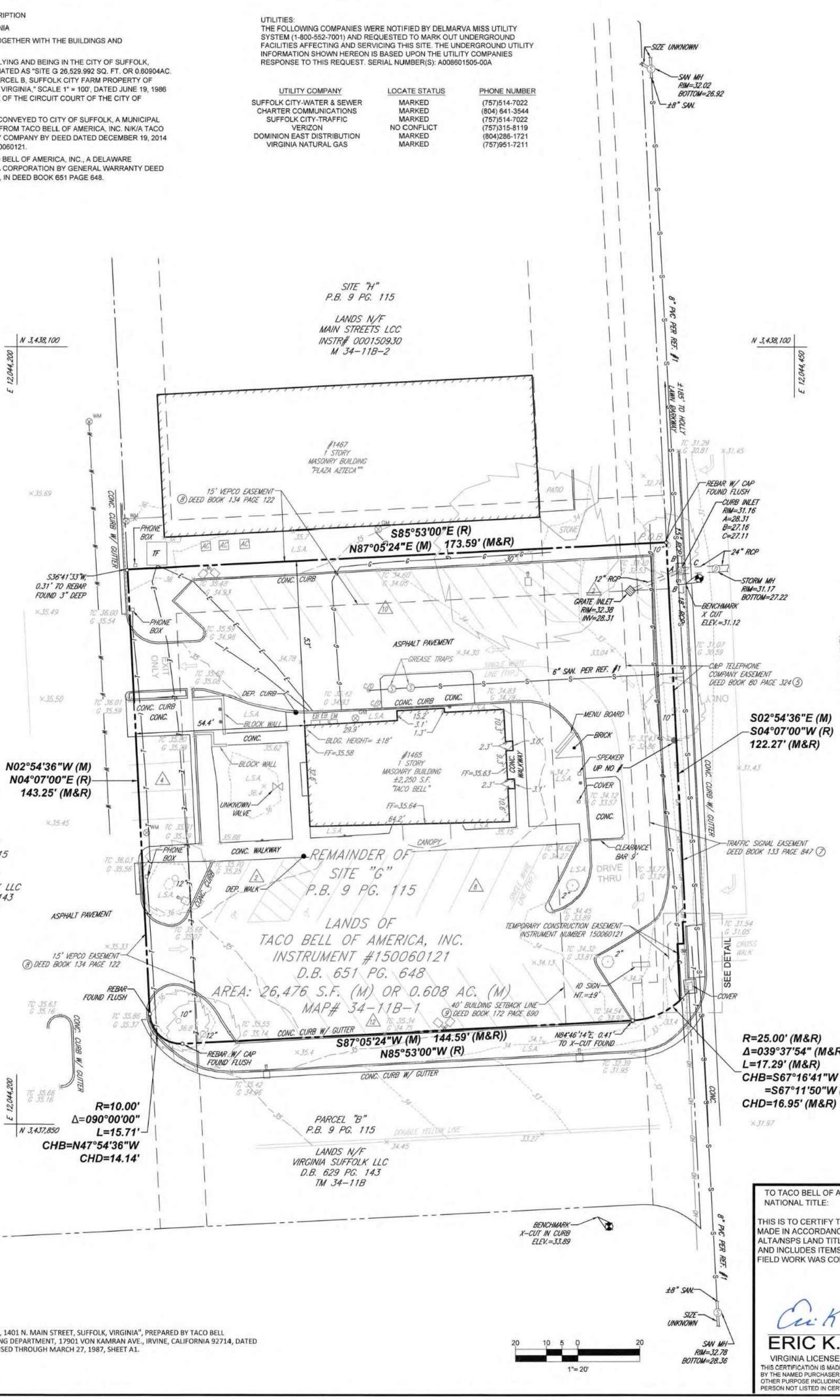
APPURTENANCES THEREUNTO BELONGING, SITUATE, LYING AND BEING IN THE CITY OF SUFFOLK, VIRGINIA, AND BEING KNOWN, NUMBERED AND DESIGNATED AS "SITE G 26,529,992 SQ. FT. OR 0.60904AC. "ON THAT CERTAIN PLAT ENTITLED SUBDIVISION OF PARCEL B, SUFFOLK CITY FARM PROPERTY OF FARM FRESH, INC. CHUCKATUCK BOROUGH, SUFFOLK, VIRGINIA," SCALE 1" = 100', DATED JUNE 19, 1986 (THE "PLAT"), DULY RECORDED IN THE CLERK'S OFFICE OF THE CIRCUIT COURT OF THE CITY OF SUFFOLK, VIRGINIA IN MAP BOOK 9, AT PAGE 115.

LESS AND EXCEPT THAT PORTION OF THE PROPERTY CONVEYED TO CITY OF SUFFOLK, A MUNICIPAL CORPORATION OF THE COMMONWEALTH OF VIRGINIA FROM TACO BELL OF AMERICA, INC. N/K/A TACO BELL OF AMERICA, LLC, A DELAWARE LIMITED LIABILITY COMPANY BY DEED DATED DECEMBER 19, 2014 AND RECORDED APRIL 15, 2015 IN INSTRUMENT NO. 150060121.

AND BEING THE SAME PROPERTY CONVEYED TO TACO BELL OF AMERICA, INC., A DELAWARE CORPORATION FROM TACO BELL CORP., A CALIFORNIA CORPORATION BY GENERAL WARRANTY DEED DATED MARCH 16, 1999 AND RECORDED APRIL 22, 1999, IN DEED BOOK 651 PAGE 648. TAX PARCEL NO. 34-11B-1

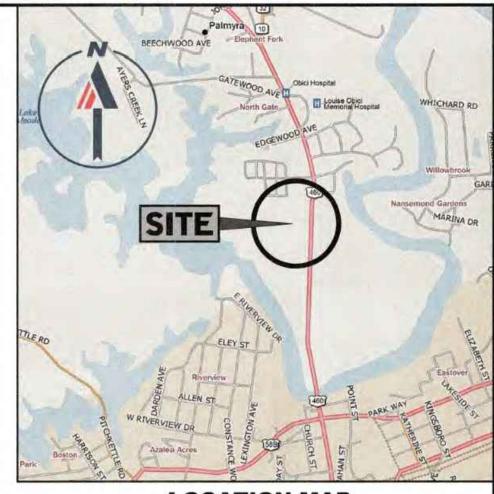












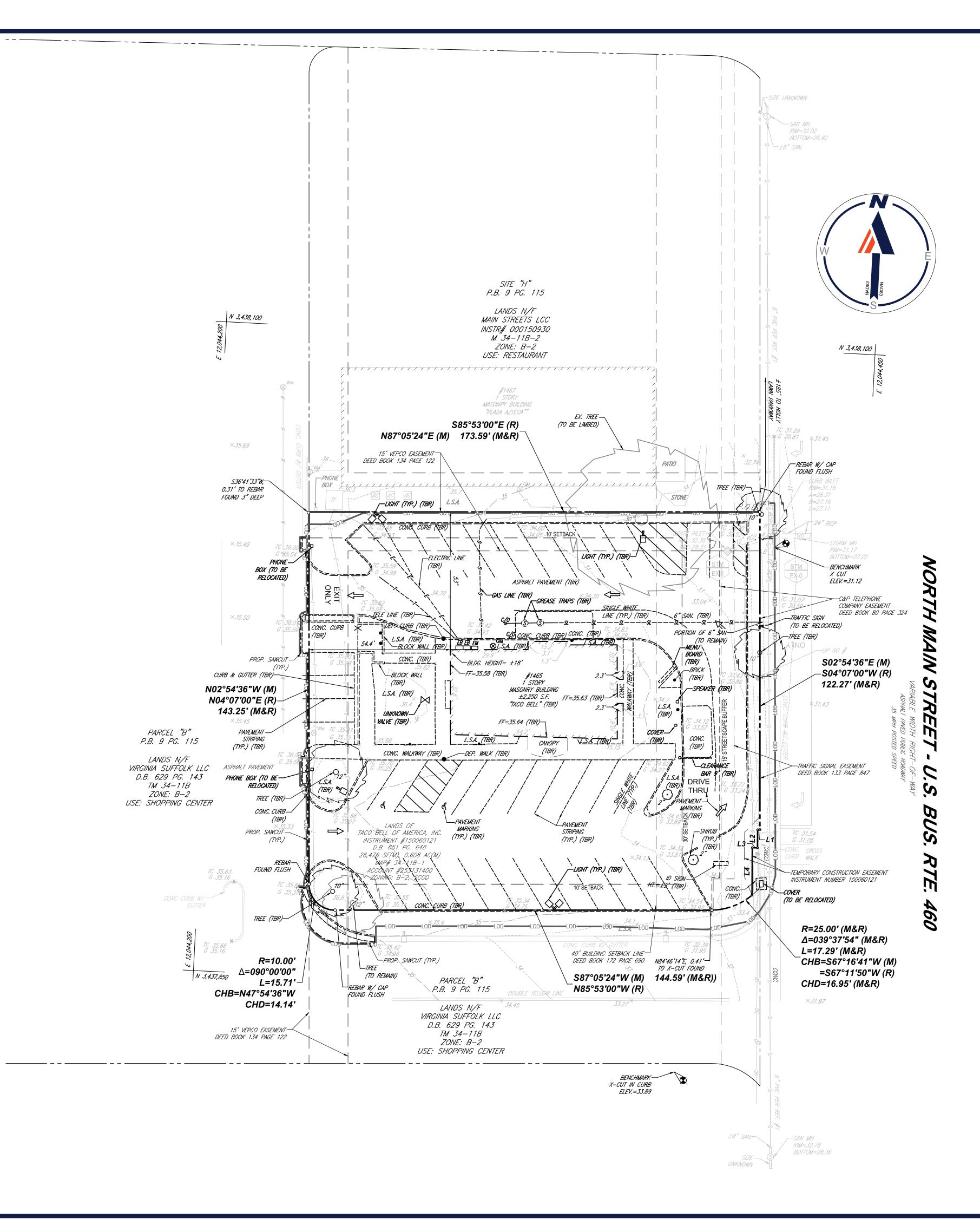
LOCATION MAP COPYRIGHT 2009 DELORME STREET ATLAS 2009 PLUS USA SCALE: 1"=2000'

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	L2	S02° 28' 10"E	7.00'	L2	S02° 32' 55"E	7.00'		
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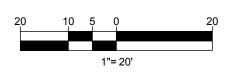
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W	UNDERGROUND WATER LINE
EE	UNDERGROUND ELECTRIC LINE
G	UNDERGROUND GAS LINE
OH	OVERHEAD WIRE
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DEMOLITION / REMOVAL

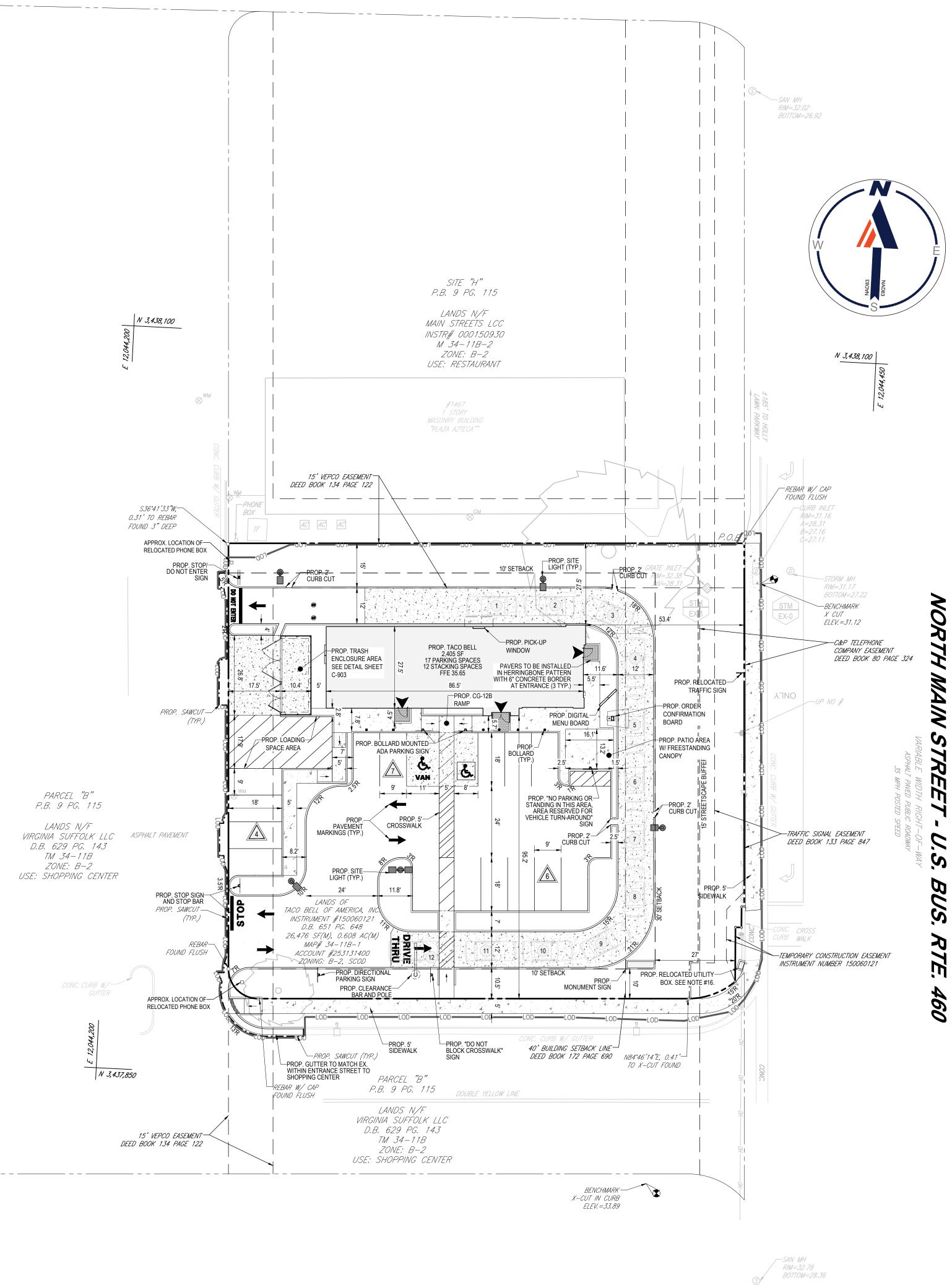
	LINE TABLE (M)					
LINE	BEARING	DISTANCE				
L1	S87° 31' 50"W	0.90'				
L2	S02° 28' 10"E	7.00'				
L3	S87° 31' 50"W	2.00'				
L4	S02° 35' 37"E	18.26'				

DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING SITE CONDITIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES. ANY DISCREPANCIES TO THIS PLAN SHALL BE REPORTED IN WRITING TO THE OWNER AND BOHLER ENGINEERING PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR ASSUMES COMPLETE RESPONSIBILITY FOR ANY DISCREPANCIES NOT REPORTED IN WRITING.
- CONTRACTOR SHALL PROTECT EXISTING SITE FEATURES NOT SHOWN OR NOTED TO BE DEMOLISHED WITH THIS PLAN. CONTRACTOR SHALL REPLACE ANY EXISTING SITE FEATURE DAMAGED BY CONSTRUCTION ACTIVITIES.
- RELOCATION OF EXISTING ELECTRIC AND TELEPHONE UTILITIES SHALL BE COORDINATED WITH CURRENT SERVICE PROVIDER PRIOR TO INITIAL MOBILIZATION.
- 4. CONTRACTOR TO PRUNE AND LIMB EXISTING TREES TO REMAIN ON SITE SO AS NOT TO INTERFERE WITH PROPOSED DEVELOPMENT.
- CONTACT SUFFOLK TRAFFIC ENGINEERING TRAFFIC SIGNAL SUPERINTENDENT AT (757) 514-7646 BEFORE ANY WORK IS DONE RELOCATING THE JUNCTION BOX AT THE SOUTHEAST CORNER OF THE SITE.

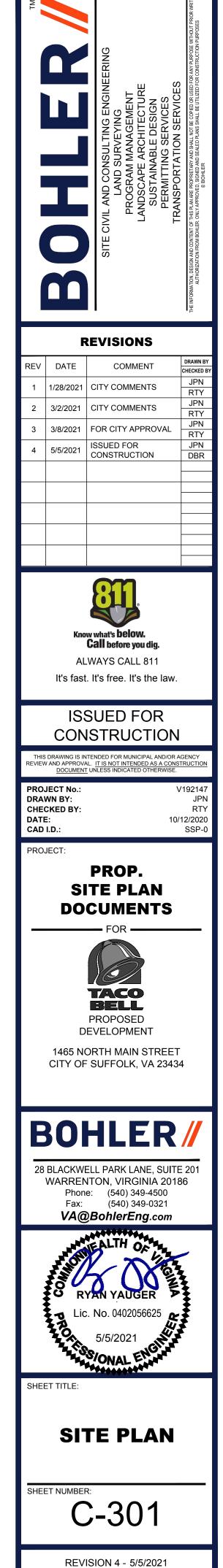


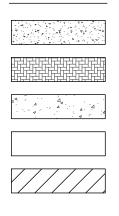
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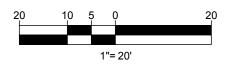
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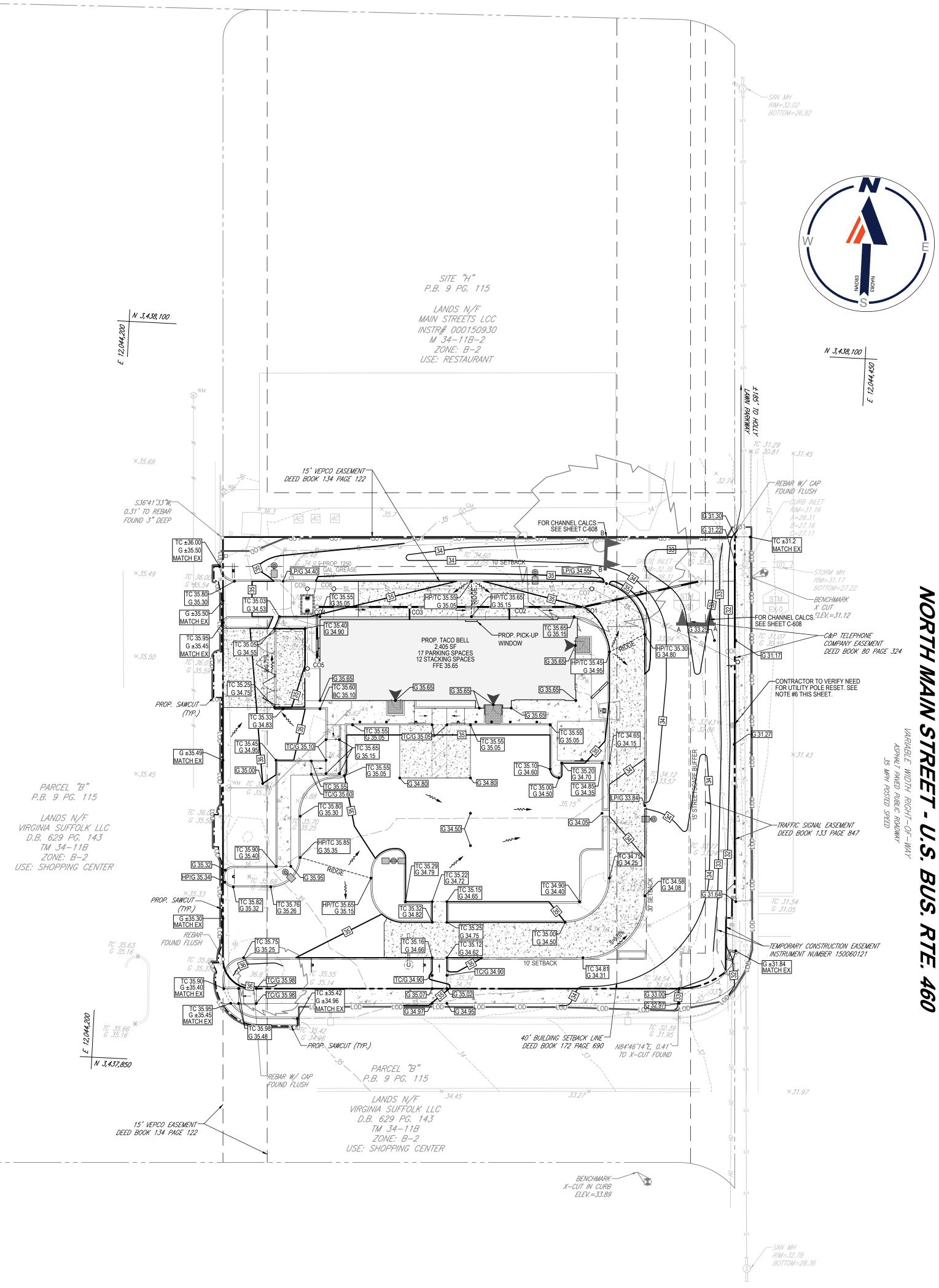
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF LOCAL, STATE, AND FEDERAL REGULATIONS.
- 2. ALL HANDICAP SPACES SHALL BE CONSTRUCTED TO MEET ADA REQUIREMENTS.
- 3. ALL PEDESTRIAN RAMPS SHALL BE CONSTRUCTED TO MEET VDOT CG-12 DETAILS, FOR DIMENSIONS AND MAXIMUM SLOPES.
- 4. ARCHITECTURAL STYLE AND MATERIALS FOR PROPOSED BUILDING AND DUMPSTER WILL MEET CITY OF SUFFOLK ZONING ORDINANCE REQUIREMENTS REFER TO ARCHITECTURAL RENDERINGS AND PLANS UNDER SEPARATE COVER.
- 5. SHOPPING CENTER PARKING SHALL BE UTILIZED TO MEET PARKING REQUIREMENT, SEE SHEET C-103 FOR APPROVED PARKING LETTER.





PROPOSED CONCRETE PAVEMENT PROPOSED ENTRANCE PAVERS PROPOSED CONCRETE SIDEWALK PROPOSED ASPHALT PAVEMENT PROPOSED STRIPING





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EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
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TC 516.4 OR 516.4	SPOT ELEVATIONS	TC 516.00 BC 515.55
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1	1/28/2021	CITY COMMENTS	JPN RTY					
2	3/2/2021	CITY COMMENTS	JPN RTY JPN RTY					
3	3/8/2021	FOR CITY APPROVAL	JPN RTY JPN					
4	5/5/2021	CONSTRUCTION	DBR					
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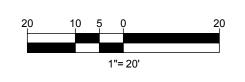
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REVISION 4 - 5/5/2021

MT

GRADING NOTES:

- 1. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE REFERENCED SURVEYOR'S BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUNDBREAK.
- 2. ALL ADA SPACES AND ACCESS PATHS SHALL BE CONSTRUCTED TO MEET ADA GUIDELINES. CONTRACTOR TO ENSURE THAT ADA PARKING AREA DOES NOT EXCEED 2% IN ANY DIRECTION.
- 3. CONTRACTOR SHALL CONFIRM ADA ACCESSIBILITY PRIOR TO INSTALLING FINISHING COURSES OF SIDEWALKS AND PARKING AREAS.
- 4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE (MIN. 1%) AWAY FROM THE BUILDING.
- 5. CONTRACTOR TO REFER TO PLANS AND DETAILS TO ENSURE PROPER CURB CONSTRUCTION (MATERIAL, CURB WIDTH, CURB HEIGHT, ETC.)
- 6. CONTRACTOR TO COORDINATE WITH SITE INSPECTOR AND VERIFY IF OVERHEAD UTILITY POLES ALONG NORTH MAIN STREET NEED TO BE RESET AS A RESULT OF SITE CONSTRUCTION.



N 3,438,100

S36°41'33″W,— 0.31' TO REBAR FOUND 3" DEEP

APPROX. LOCATION OF-RELOCATED PHONE BOX



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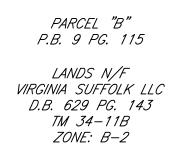
DESCRIPTION	TYPE	BOTTOM PIPE	TYPE	TOP PIPE	CLEARANCE
X-1	PROP. STM	30.75	PROP. SAN	29.39	1.36
X-2	PROP. STM	32.19	PROP. SAN	31.04	1.15
X-3	PROP. GAS	33.50	PROP. SAN	31.54	1.96
X-4	PROP. ELEC	33.50	PROP. SAN	31.56	1.94
X-5	PROP. GAS	33.65	PROP. STM	32.88	0.77
X-6	PROP. ELEC	33.65	PROP. STM	33.08	0.57

ROOF DRAIN SCHEDULE

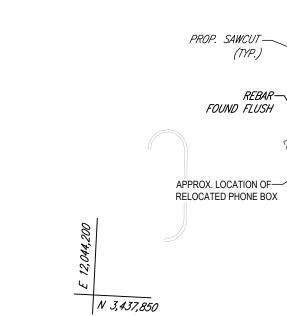
		Invert	Elev.	Length	Slope	Dia.	Material
Upper Structure	Lower Structure	Upper	Lower				
		(ft)	(ft)	(ft)	(%)	(in)	
Building	CO5	32.65	32.63	1.00	2.00%	4	PVC
CO5	CO4	32.63	32.25	18.03	2.11%	6	PVC
CO4	CO3	32.25	31.90	31.39	1.12%	6	PVC
CO3	CO2	31.90	31.50	33.85	1.18%	6	PVC
CO2	CO1	31.50	31.20	25.18	1.19%	6	PVC
CO1	EX-1	31.20	29.50	39.81	4.27%	6	PVC
Building	CO3	32.00	31.90	4.30	2.33%	4	PVC
Building	CO2	31.85	31.50	4.30	8.14%	4	PVC

SANITARY LATERAL SCHEDULE

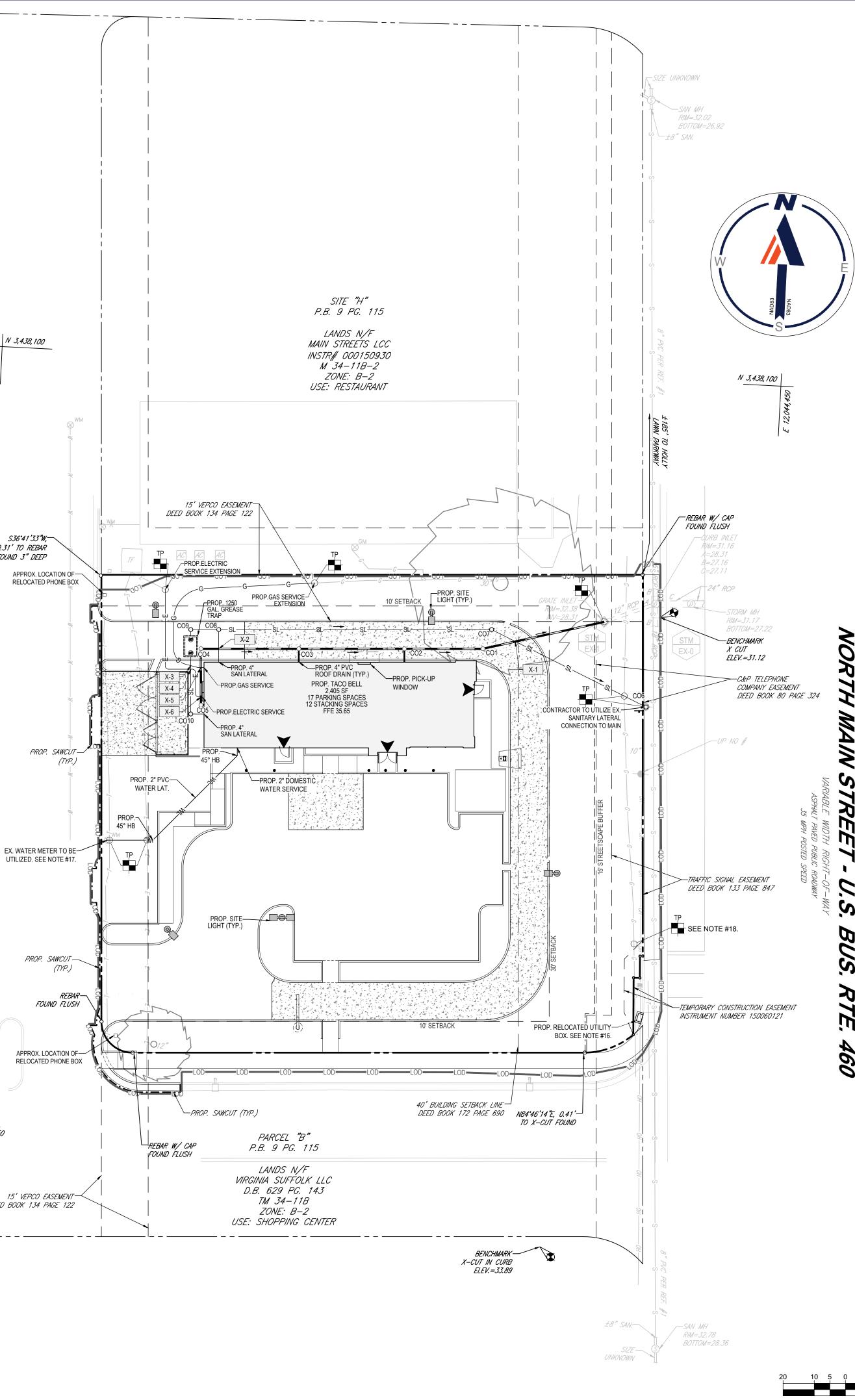
		Invert	Elev.	Length	Slope	Dia.	Material
Upper Structure	Lower Structure	Upper	Lower				
		(ft)	(ft)	(ft)	(%)	(in)	
Building	CO10	31.65	31.55	4.25	2.35%	4	PVC
CO10	Grease Trap	31.55	31.15	18.40	2.17%	4	PVC
Grease Trap	CO9	30.98	30.93	2.00	2.50%	4	PVC
CO9	CO8	30.93	30.50	8.97	4.79%	6	PVC
CO8	C07	30.50	29.05	87.50	1.66%	6	PVC
C07	CO6	29.05	28.00	55.37	1.90%	6	PVC
Building	CO8	30.85	30.50	10.45	3.35%	4	PVC



USE: SHOPPING CENTER



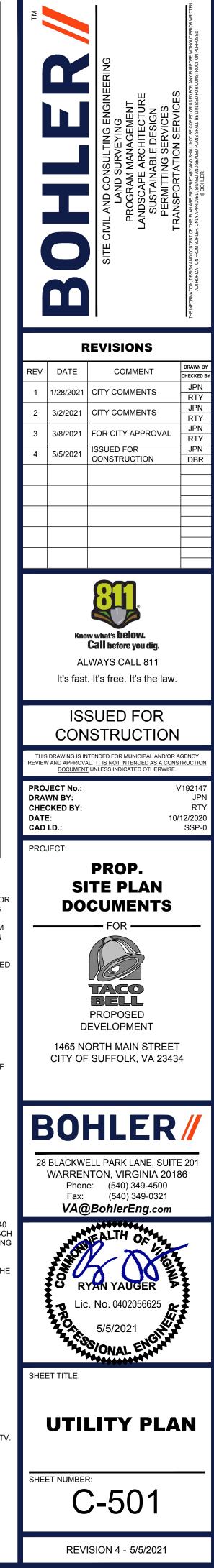
15' VEPCO EASEMENT— DEED BOOK 134 PAGE 122



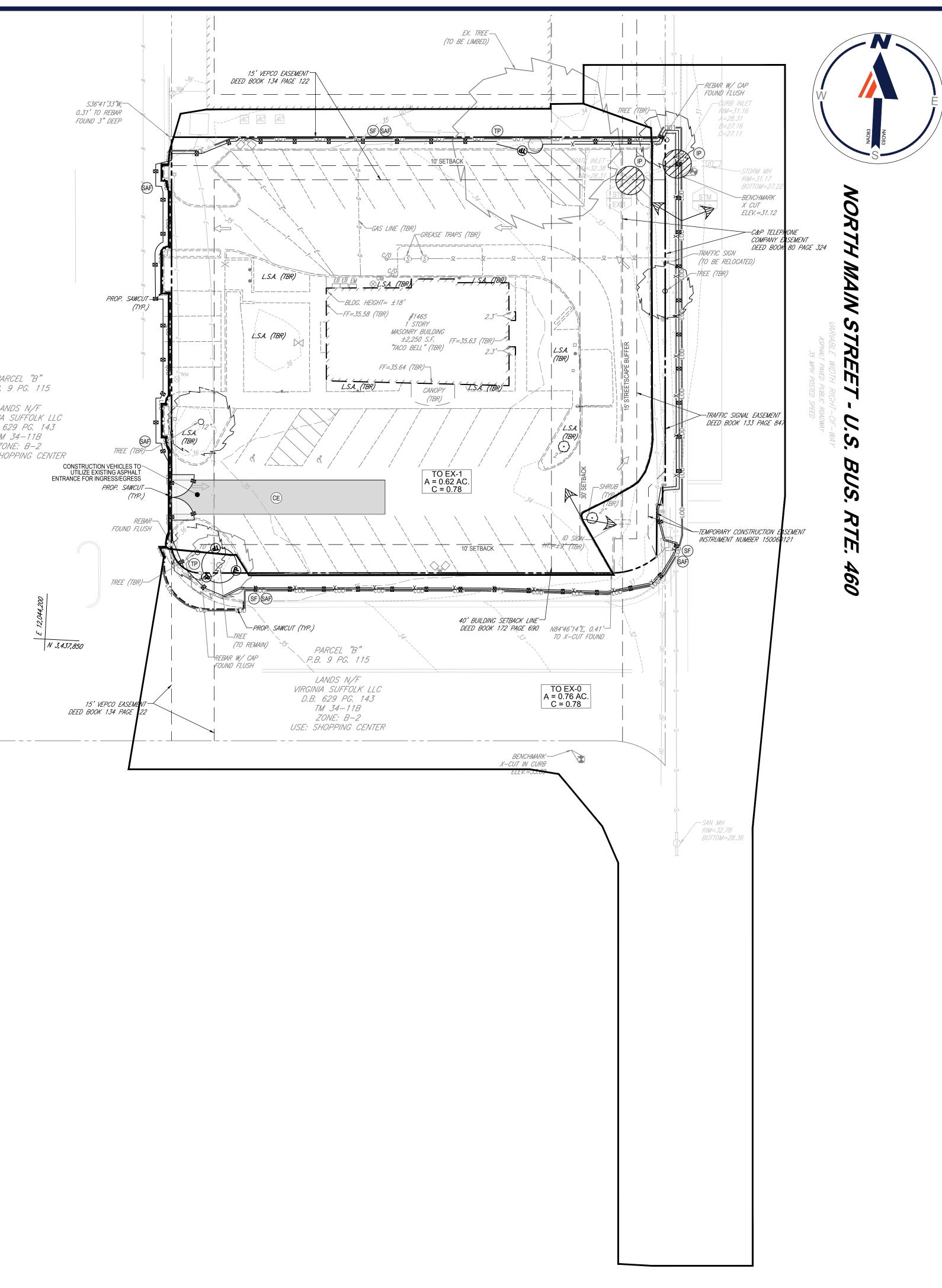
EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
SAN #	SANITARY LABEL	SAN #
STM #	STORM LABEL	STM #
SL	SANITARY SEWER	SL
W	UNDERGROUND	W
E	UNDERGROUND	————Е ————
G	UNDERGROUND	G
OH	OVERHEAD	ОН
<i>T</i>	UNDERGROUND	T
C	UNDERGROUND	C
= = = = = = = = = =	STORM SEWER	
S	SANITARY	\$
V	HYDRANT	V
S	SANITARY MANHOLE	(
D	STORM MANHOLE	
⊗ ^{WM}	WATER METER	•
WV	WATER VALVE	٠
	GAS VALVE	
\boxtimes	GAS METER	\boxtimes
	TYPICAL END SECTION	
	HEADWALL OR ENDWALL	OR
	YARD	
	CURB INLET	O
0	CLEAN OUT	0
Ē	ELECTRIC MANHOLE	Ē
T	TELEPHONE MANHOLE	Ū
EB	ELECTRIC BOX	EB
EP	ELECTRIC PEDESTAL	EP
\bigcirc	MONITORING WELL	\bigcirc
	TEST PIT	

UTILITY NOTES:

- 1. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL HAND EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION TO THE CITY OF SUFFOLK SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. OWNER/DEVELOPER AND ARCHITECT SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- 2. LOCATION OF ALL EXISTING AND PROPOSED UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR INFIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 3. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES. DISCONNECTIONS SHALL NOT BE CONDUCTED BY CONTRACTOR. ALL STORM DRAIN, WATER, SEWER AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF SUFFOLK STANDARDS AND SPECIFICATION FOR UTILITY CONSTRUCTION.
- 4. A MINIMUM VERTICAL SEPARATION OF 12 INCHES SHALL BE MAINTAINED BETWEEN SANITARY SEWER LINES AND STORM LINES OR WATER LINES. IF THIS MINIMUM CLEARANCE CANNOT BE MAINTAINED, A CONCRETE ENCASEMENT SHALL BE PROVIDED.
- 5. ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED AT THE END OF THE DAY BY THE UTILITY CONTRACTORS.
- 6. SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED AND CONTAIN COUNTERSUNK PLUGS.
- 7. WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA AND BURIED A MINIMUM 48" BELOW GRADE.
- 8. WATER SERVICE SHALL BE A 2" INCH PVC PIPE. SANITARY SEWER PIPE SHALL BE A FOUR (4) INCH PVC SCH 40 AT CONNECTION OF KITCHEN WASTE AND RESTROOM WASTE. SEWER SERVICES TO BE FOUR (4) INCH PVC SCH 40 AT CONNECTIONS AT BUILDING. WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTIONS.
- 9. ALL FILL, COMPACTION AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION SHALL BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS.
- 10. SEE ARCHITECTURAL PLANS FOR GREASE TRAP DETAILS.
- 11. ALL PIPES UNDER PRESSURE SHALL BE CONNECTED WITH WATER TIGHT JOINTS. INSPECTOR SHALL VERIFY MATERIALS AND INSPECT PRESSURE TREATED PIPE PRIOR TO COVERING UP OR PRESSURE TEST PIPE PER COUNTY STANDARDS.
- 12. CONTRACTOR TO COORDINATE WITH DRY UTILITY COMPANIES TO DETERMINE MINIMUM REQUIRED CLEARANCE FROM DRY UTILITIES. CONTRACTOR TO PROVIDE MINIMUM CLEARANCE AT ALL DRY UTILITY CROSSINGS.
- 13. DRY UTILITIES SHOWN FOR GRAPHICAL PURPOSES ONLY. FINAL DRY UTILITY DESIGN (ELECTRIC, CATV, TELEPHONE, GAS) IS TO BE COORDINATED BETWEEN THE CONTRACTOR AND LOCAL UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- 14. ALL PROPOSED UTILITIES ARE TO BE INSTALLED UNDERGROUND INCLUDING ELECTRIC, TELEPHONE AND CATV. 15. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE
- PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. 16. CONTRACTOR TO ENSURE THAT RELOCATED UTILITY BOX MEETS HORIZONTAL AND VERTICAL SEPARATION REQUIREMENTS WITH EXISTING GAS AND TELEPHONE LINES.
- ______ 17. CONTRACTOR TO UTILIZE THE EXISTING 1" METER BASED ON FLOW RESULTS PROVIDED BY THE CITY.
- 18. CONTRACTOR TO VERIFY DEPTH OF EXISTING GAS LINE AND RELOCATE VERTICALLY IF NECESSARY.



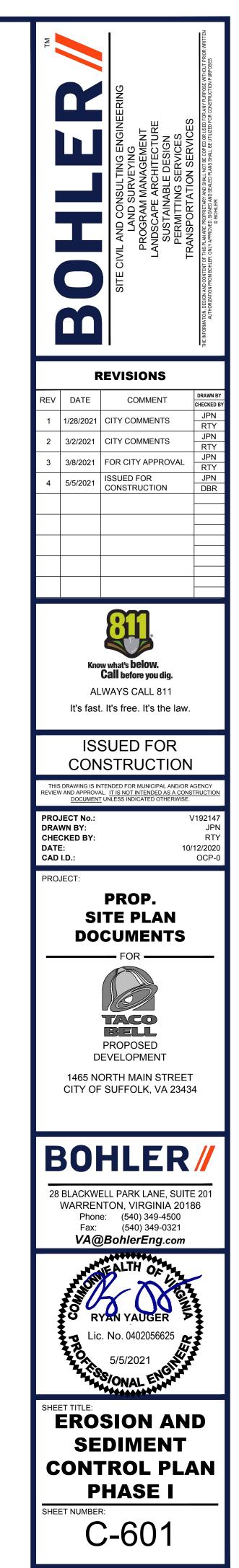
PARCEL "B" P.B. 9 PG. 115 LANDS N/F VIRGINIA SUFFOLK LLC D.B. 629 PG. 143 TM 34–11B ZONE: B-2 USE: SHOPPING CENTER

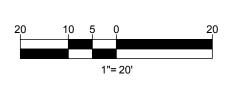


	FOR EROSION AND SEDIMENT CO		
NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF	XX
3.02	TEMPORARY PAVED CONSTRUCTION ENTRANCE	CE	CE
3.05	SILT FENCE	SF	XXX
3.07	STORM DRAIN INLET PROTECTION		
3.31	TEMPORARY SEEDING	TS	
3.35	MULCHING	MU	
3.38	TREE PRESERVATION AND PROTECTION		
3.39	DUST CONTROL	DC	

VIRGINIA LINIFORM CODING SYSTEM

DRAINAGE AREA DIVIDE





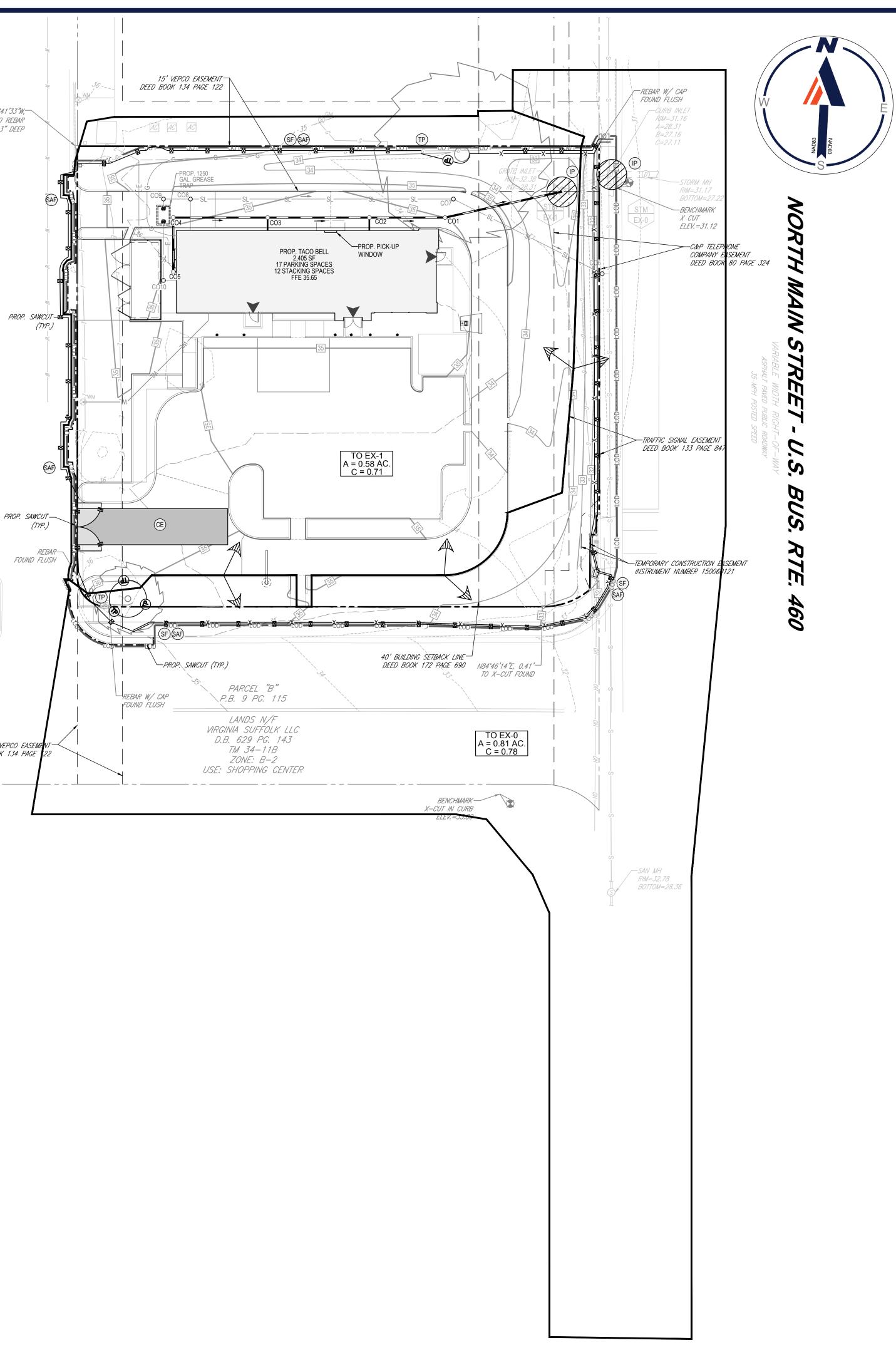
S36°41 '33 "W,— 0.31' TO REBAR FOUND 3" DEEP

PARCEL "B" P.B. 9 PG. 115 LANDS N/F VIRGINIA SUFFOLK LLC

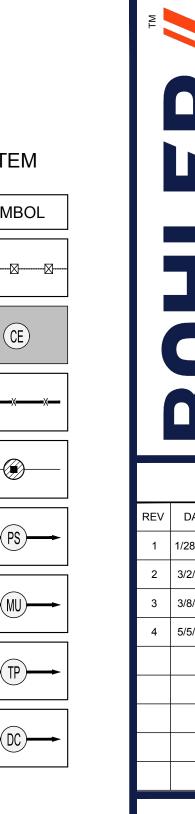
D.B. 629 PG. 143 TM 34–11B ZONE: B-2 USE: SHOPPING CENTER

15' VEPCO EASEMENT-DEED BOOK 134 PAGE 22

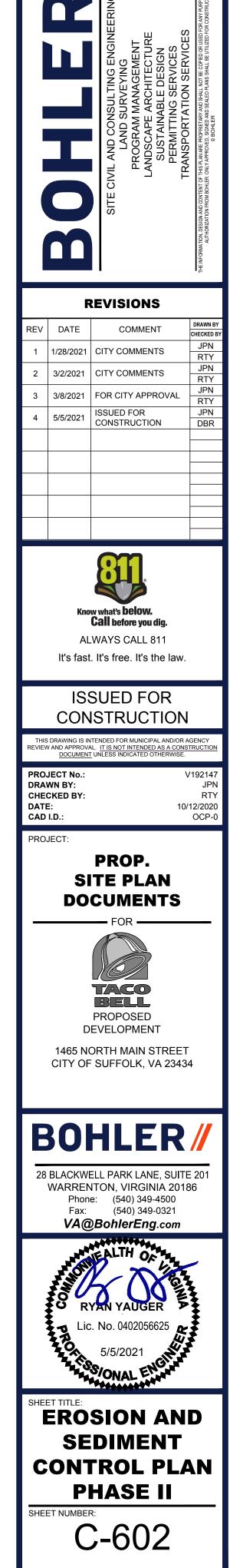
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VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES					
NO.	TITLE	KEY	SYMBOL		
3.01	SAFETY FENCE	SAF	X[
3.02	TEMPORARY PAVED CONSTRUCTION ENTRANCE	CE	CE		
3.05	SILT FENCE	SF	»		
3.07	STORM DRAIN INLET PROTECTION				
3.32	PERMANENT SEEDING	PS	PS		
3.35	MULCHING	MU			
3.38	TREE PRESERVATION AND PROTECTION				
3.39	DUST CONTROL	DC			



DRAINAGE AREA DIVIDE



HIS PROPERTY IS LOCATED ON A COMMERCIAL PARCEL LOCATED AT 1465 NORTH MAIN STREET IN THE CITY OF SUFFOLK, VIRGINIA. THIS PROJECT PROPOSES TO CONSTRUCT A NEW TACO BELL RESTAURANT WITH SIDEWALK ADDITIONS ALONG THE SOUTH AND EAST EDGES OF THE SITE. THE SUBJECT SITE IS 0.608 ACRES AND THE AREA OF LAND DISTURBANCE REQUIRED FOR THIS CONSTRUCTION IS APPROXIMATELY 0.67 ACRES

SEDIMENT CONTROL FOR THE PROPOSED CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE POLICIES AND REQUIREMENTS OF THE VIRGINIA EROSION & SEDIMENT CONTROL FIELD HANDBOOK. AS REQUIRED, THIS PLAN PROPOSES EROSION AND SEDIMENT CONTROL IN TWO SEPARATE PHASES. A CONSTRUCTION SEQUENCE IS PROVIDED DETAILING THE PROPOSED PHASING OF EROSION AND SEDIMENT CONTROL BEFORE AND DURING CONSTRUCTION.

THE PROPOSED SITE IS AN EXISTING TACO BELL RESTAURANT. THE SITE GENERALLY DRAINS FROM WEST TO NORTHEAST TO AN EXISTING GRATE INLET (EX-1) IN PAVEMENT. CRITICAL EROSION AREAS

THERE ARE NO CRITICAL EROSION AREAS KNOWN TO EXIST ON SITE.

HE SITE IS BORDERED ON THE NORTH, WEST, AND SOUTH BY SUFFOLK SHOPPING CENTER AND ON THE EAST BY NORTH MAIN STREET (BUSINESS ROUTE 460).

ADEQUATE OUTFAL

ADEQUATE OUTFALL INFORMATION CAN BE FOUND IN THE STORMWATER MANAGEMENT PLAN.

OFFSITE AREAS

DISTURBANCE OF OFFSITE AREAS WILL BE LIMITED TO GRADING AND PAVING OPERATIONS RELATED TO THE SIDEWALK ADDITIONS ALONG THE SOUTH AND EAST EDGES OF THE SITE, AS WELL AS IMPROVEMENTS TO THE ENTRANCES ALONG THE EXISTING SHOPPING CENTER. IF OFFSITE BORROW AND HAUL IS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.

THE SOILS ON-SITE, PER THE NRCS WEB SOIL SURVEY, ARE AS FOLLOWS:

- 23A TETOTUM FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
- MODERATELY WELL DRAINED HYDROLOGIC SOIL GROUP - C
- HYDRIC SOIL RATING NO

SINKHOLES ARE NOT ANTICIPATED TO AFFECT THE SITE.

EROSION CONTROL PROGRAM

EROSION CONTROL SHALL BE MAXIMIZED THROUGH RAPID STABILIZATION OF THE DISTURBED AREAS AND BY INSTALLATION OF PERIMETER CONTROLS. NOT MORE THAN 7 CALENDAR DAYS ARE TO ELAPSE WITH ANY DISTURBED AREA REMAINING DENUDED. TEMPORARY COVER, BY SEEDING AND/OR MULCHING, SHALL BE APPLIED TO AREAS THAT WILL BE EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS, BEFORE PERMANENT STABILIZATION. PERMANENT COVER SHOULD BE PROVIDED OVER ALL DISTURBED AREAS AS SOON AS POSSIBLE UPON ACHIEVING FINAL GRADE. BY MEANS OF SEEDING AND MULCHING. SODDING AND PEGGING. PAVING, OR AS OTHERWISE DIRECTED BY THE PLAN. LIKEWISE, ALL STOCKPILES SHALL BE STABILIZED WITHIN 7 DAYS OF ACHIEVING FINAL GRADES. UTILITY TRENCHES SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER BACKFILLING TO THE PROPOSED GRADE.

SEDIMENT CONTROL PROGRAM

SEDIMENT CONTROL SHALL BE ACCOMPLISHED THROUGH RAPID STABILIZATION AND BY THE INSTALLATION OF MECHANICAL DEVICES, AS SHOWN ON THE PHASE I PLAN:

STRUCTURAL PRACTICES SAFETY FENCE - 3.01

TO BE PROVIDED TO PROHIBIT THE UNDESIRABLE USE OF AN EROSION CONTROL MEASURE BY THE PUBLIC.

CONSTRUCTION ENTRANCE - 3.02

STORM DRAIN INLET PROTECTION - 3 07

A STABILIZED STONE PAN WITH A FILTER FABRIC UNDERLINER LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE.

- SILT FENCE 3.05
- TO BE PROVIDED FOR INTERCEPTING AND DETAINING SEDIMENT FROM DISTURBED AREAS DURING CONSTRUCTION OPERATIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE
- A SEDIMENT FILTER OR AN EXCAVATED IMPOUNDING AREA AROUND A STORM DRAIN DROP INLET OR CURB INLET.

TEMPORARY SEEDING - 3.31

ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER BY SEEDING WITH APPROPRIATE RAPIDLY GROWING PLANTS ON DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 14 DAYS

PERMANENT SEEDING - 3.32

ESTABLISHMENT OF PERENNIAL VEGETATIVE COVER BY PLANTING SEED ON ROUGH-GRADED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A YEAR OR MORE OR WHERE PERMANENT, LONG-LIVED VEGETATIVE COVER IS NEEDED ON FINE-GRADED AREAS.

- MULCHING 3.35 APPLICATION OF PLAN RESIDUES OR OTHER SUITABLE TO THE SOIL SURFACE
- **TREE PRESERVATION & PROTECTION 3.38**
- PROTECTION OF DESIRABLE TREES FROM MECHANICAL AND OTHER INJURY DURING LAND DISTURBING AND CONSTRUCTION ACTIVITY.

9. DUST CONTROL - 3.39

REDUCING SURFACE AND AIR MOVEMENTS OF DUST DURING LAND DISTURBING, DEMOLITION, AND CONSTRUCTION ACTIVITIES.

VEGETATIVE PRACTICES

- SURFACE ROUGHENING AREAS TO BE SEEDED SHALL BE LIGHTLY ROUGHENED AND LOOSE TO A DEPTH OF 2" TO 4" PRIOR TO SEEDING, AREAS WHICH HAVE BEEN GRADED AND WILL NOT BE STABILIZED IMMEDIATELY MAY BE ROUGHENED TO REDUCE VELOCITY UNTIL SEEDING TAKES PLACE.
- TOPSOILING (STOCKPILES) TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE ARE TO BE LOCATED ON-SITE IN OPEN SPACE AREAS, AS DEPICTED ON THE PLAN, ARE TO BE STABILIZED WITH TEMPORARY VEGETATION, AND ARE TO BE SURROUNDED AT THE BASE BY SUPER SILT FENCE.
- TEMPORARY SEEDING ALL DENUDED AREAS THAT WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR THAT IT IS APPLIED.
- EROSION CONTROL BLANKETS OR MULCH EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW THE SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS AND WILL BE APPLIED AS A SECOND STEP IN THE SEEDING OPERATION.

ALL SILTATION CONTROL MEASURES ARE INTENDED TO PREVENT SEDIMENT FROM ENCROACHING INTO ENVIRONMENTALLY SENSITIVE AREAS OR ONTO ADJACENT PROPERTIES AND ROADWAYS. THE CITY OF MECHANICSVILLE INSPECTOR HAS THE AUTHORITY TO ADD OR DELETE EROSION AND SEDIMENT CONTROLS IN THE FIELD AS SITE CONDITIONS WARRANT. IN ADDITION, NO SEDIMENT TRAPS OR SEDIMENT BASINS MAY BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE CITY INSPECTOR.

UNLESS OTHERWISE NOTED. ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH). THE MINIMUM STANDARDS OF VESCH SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

SEQUENCE OF CONSTRUCTION

PHASE I OPERATIONS WILL INCLUDE THE INSTALLATION OF MEASURES TO CONTROL EROSION AND SILTATION ASSOCIATED WITH INITIAL CLEARING AND GRADING OPERATIONS. AS REQUIRED, PHASE I CONTROLS SHALL BE ESTABLISHED IN A ONE (1) STEP PROCESS:

CONTRACTOR TO NOTIFY CITY OF SUFFOLK AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION AND OBTAIN A LAND DISTURBANCE PERMIT OWNER, CONTRACTOR, RESPONSIBLE LAND DISTURBER, AND PROJECT ENGINEER SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH THE COUNTY INSPECTOR PRIOR TO STARTING ANY LAND DISTURBING ACTIVITIES. AREAS WHICH ARE TO BE DISTURBED SHALL BE CLEARLY MARKED IN THE FIELD. INSTALL PERIMETER CONTROLS INCLUDING TREE PROTECTION, SILT FENCE AND SAFETY FENCE. ENSURE NO SEDIMENT LADEN RUNOFF ENTERS THE STORM SYSTEM. INSTALL CONSTRUCTION ENTRANCE (CE) AS SHOWN ON PHASE I PLAN. PROVIDE THE CONSTRUCTION ENTRANCE AND ESTABLISH A PROTECTED STAGING AND EQUIPMENT AREA, ALL HARD SURFACE ROADS SHALL BE CLEANED AT THE END OF THE DAY AND SOURCE OF WATER SHALL BE ESTABLISHED ON SITE. APPLY TEMPORARY STABILIZATION TO ALL DISTURBED AREAS IN ACCORDANCE WITH THE APPLICABLE MINIMUM STANDARDS FOUND IN 9VAC25-850-40. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED AND REPAIRED AT THE END OF EACH DAY.

CONTRACTOR TO ENSURE THE THE COUNTY EROSION AND SEDIMENT CONTROL INSPECTOR HAS VERIFIED ALL PHASE I E&S MEASURES ARE CORRECTLY INSTALLED AND PHASE I WORK IS COMPLETED PRIOR TO THE START OF PHASE II.

THE PHASE II SEDIMENT CONTROL MEASURES ARE INTENDED FOR THE FINAL STAGES OF SITE DEVELOPMENT. PHASE I CONTROL MEASURES, WHICH ARE NOT IN CONFLICT WITH FINAL CONSTRUCTION AND PROVIDE EFFECTIVE CONTROL, SHALL REMAIN IN PLACE FOR FINAL DEVELOPMENT. THE CONTRACTOR AND THE RESPONSIBLE LAND DISTURBER SHALL FOLLOW THE COUNTY INSPECTOR'S DIRECTION IN PROVIDING ADDITIONAL CONTROL MEASURES NEEDED DURING THE DEVELOPMENT PROCESS. TO ENSURE THAT SEDIMENT IS PREVENTED FROM POLLUTING OFF-SITE AREAS, STREAMS AND/OR PROTECTED ON-SITE AREAS.

REFER TO GEOTECHNICAL REPORT FOR SOIL AND FILL INFORMATION. INSTALL PHASE II SILT FENCE AND SAFETY FENCE AS SHOWN ON THE PHASE II E&S CONTROL PLAN.

BEGIN DEMOLITION OF PAVEMENT, CURBS, UTILITIES, AND OTHER EXISTING STRUCTURES AS REQUIRED ON THE DEMOLITION PLAN. BEGIN CONSTRUCTION OF BUILDING PAD.

TEMPORARILY STABILIZE, THROUGHOUT CONSTRUCTION AND IMMEDIATELY FOLLOWING THE COMPLETION OF THE MOST RECENT LAND DISTURBING ACTIVITY, ANY DISTURBED AREAS INCLUDING MATERIALS STOCKPILES THAT ARE SCHEDULED OR LIKELY TO REMAIN INACTIVE FOR 7 DAYS OR MORE. PREPARE SITE FOR PAVING. INCLUDING INSTALLATION OF UTILITIES AND LAYING BASE AGGREGATE

PAVE SITE AND POUR CONCRETE SIDEWALKS. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AND LANDSCAPED AREAS AS WORK PROGRESSES.

INSTALL LANDSCAPE PLANTING IN ACCORDANCE WITH THE LANDSCAPE PLAN. OBTAIN CITY E&S INSPECTORS APPROVAL PRIOR TO THE REMOVAL OF ANY SEDIMENT CONTROLS.

OBTAIN CONCURRENCE FROM THE INSPECTOR THAT THE SITE HAS BEEN FULLY STABILIZED AND ALL CONSTRUCTION HAS BEEN COMPLETED. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.

PERMANENT STABILIZATION ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISHED GRADING. SEEDING SHALL BE DONE WITH

KENTUCKY 31 TALL FESCUE ACCORDING TO STD. & SPEC 3.32, PERMANENT SEEDING, OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES, WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED. THIS WILL PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW THE SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. IN ALL SEEDING OPERATIONS, SEED, FERTILIZER AND LIME WILL BE APPLIED PRIOR TO MULCHING.

STREAM BANK STABILIZATION STREAM BANK STABILIZATION IS NOT REQUIRED FOR THIS SITE.

STORMWATER RUNOFF CONSIDERATIONS

CALCULATIONS PROVIDED IN STORMWATER MANAGEMENT PLAN.

MAINTENANCE PROGRAM

IN GENERAL ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THE FOLLOWING MEASURES WILL BE CHECKED IN PARTICULAR.

SAFETY FENCE: INSPECTIONS SHALL BE CONDUCTED REGULARLY TO CHECK FOR WEATHER-RELATED OR OTHER DAMAGE: REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY, ALL ACCESS POINTS MUST BE SECURE AT THE END OF EACH WORKING DAY AND LOCKING DEVICES MUST BE REPLACED OR REPAIRED AS NECESSARY

CONSTRUCTION ENTRANCES: INSPECTIONS SHALL BE MADE DAILY FOR ENTRANCE INTEGRITY; REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. THE CONSTRUCTION ENTRANCE IS TO BE REGULARLY MAINTAINED TO INCLUDE SCARIFICATION AND ADDITION OF FRESH STONE AS NEEDED.

SILT FENCE: INSPECTIONS SHALL BE MADE DAILY FOR FENCE INTEGRITY; REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT IS TO BE REMOVED WHEN DEPOSITS REACH ONE-HALF THE FENCE HEIGHT

TEMPORARY AND PERMANENT SEEDING: SEEDED AREAS SHALL BE CHECKED REGULARLY TO ASSURE A GOOD STAND OF GRASS IS BEING MAINTAINED. AREAS THAT FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION SHALL BE RE-SEEDED AS SOON AS THEY ARE IDENTIFIED.

NO UNPROTECTED, DISTURBED AREA SHALL DRAIN TO ROADWAY PAVEMENTS SUCH THAT THE SUB BASE, BASE, OR WEARING SURFACE ARE CONTAMINATED BY SILT TRAPPED AT LOW POINTS OR INLETS.

DEVICES SHOWN ARE TO BE CONSIDERED AS MINIMUM EROSION AND SEDIMENTATION CONTROLS. ADDITIONAL CONTROLS MAY BE NECESSARY DUE TO CONTRACTOR'S PHASING OR OTHER UNANTICIPATED CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL DEVICES AS NECESSARY IN ORDER TO CONTROL EROSION AND SEDIMENTATION. EROSION AND SEDIMENTATION MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS IN THE VIRGINIA FROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION, THE CONTRACTOR IS TO PROVIDE ADEOLIATE MEANS OF CLEANING AND REMOVING ALL LAYING DUST AS NECESSARY BY APPLYING EITHER MOISTURE, CALCIUM CHLORIDE, OR OTHER APPROVED MATERIALS ALONG THOSE SECTIONS OF THE PROJECT ADJACENT TO EXISTING DWELLINGS OR PUBLIC ACCESS. CONTROLS MAY BE REMOVED AFTER THE AREAS ABOVE THEM HAVE BEEN STABILIZED AND WITH THE APPROVAL OF THE CITY INSPECTOR.

IS THE INTENT OF THIS PLAN TO PRECLUDE SEDIMENT POLLUTION FROM LEAVING THE DELINEATED CONSTRUCTION ZONES. THE CONTRACTOR AND THE RESPONSIBLE LAND DISTURBER SHALL TAKE SPECIAL CARE TO PREVENT CONSTRUCTION DEBRIS AND MUD FROM BEING TRACKED ONTO SURROUNDING PUBLIC AND PRIVATE ROADS. CONSTRUCTION TRAFFIC SHALL ONLY ENTER AND EXIT THE CONSTRUCTION SITE VIA DESIGNATED LOCATIONS. WHICH HAVE WORKING CONSTRUCTION TRAFFIC WASH RACKS. THE CONTRACTOR AND RESPONSIBLE LAND DISTURBER SHALL TAKE SPECIAL CARE TO PROTECT THE EXISTING VEGETATION AND STREAMS OUTSIDE OF THE DESIGNATED LIMITS OF WORK SHOWN ON THE PLANS

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING AND GRADING. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLANS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN

APPROVING AUTHORITY THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE

THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. CONTRACTOR MUST CONTACT THE COUNTY ARBORIST PRIOR TO THE INSTALLATION OF TREE PROTECTION AND PLANT MATERIAL THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING THE PUBLIC RIGHT-OF-WAY.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAR THE STREETS AND TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT THE STREETS ARE MAINTAINED IN A CLEAN AND DUST-FREE CONDITION AT ALL TIMES. 12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THE WORK IN SUCH A MANNER AS TO PREVENT THE WASHING OF ANY TOPSOIL OR DEBRIS ONTO ADJACENT PROPERTIES

UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES

APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY

MATERIAL USED FOR BACK FILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION. RE-STABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.

GENERAL LAND CONSERVATION & STABILIZATION NOTES:

NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENUDED FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR. ALL E&S CONTROL MEASURES APPROVED WITH THE PHASE I E&S CONTROL PLAN SHALL BE PLACED AS THE FIRST STEP IN GRADING

ALL STORM AND SANITARY SEWER LINES NOT IN STREETS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER BACKFILL. NO MORE THAN 500' SHALL BE OPEN AT ANY ONE TIME. ELECTRIC, TELEPHONE AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN 7 DAYS AFTER BACKFILL. ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY (AS SOON AS POSSIBLE, BUT NOT LATER THAN 48 HORS) AFTER COMPLETION OF GRADING, STRAW OR HAY MULCH IS REQUIRED, ALL SOIL STOCKPILES SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER GRADING ANY DISTURBED AREA NOT COVERED BY NOTE #1 ABOVE AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE (4483 KG/HA) AND OVER-SEEDED BY APRIL 15.

AT THE COMPLETION OF ANY PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED. CONTRACTOR TO PROVIDE DOCUMENTATION SHOWING SOURCE OF OFF-SITE FILL AND TESTING RESULTS TO GEOTECHNICAL ENGINEER TO DOCUMENT CAPABILITY OF FILL TO MEET COMPACTION REQUIREMENTS.

MINIMUM STANDARDS

MS-1: FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: 1) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND 2) SEVEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS UPON REACHING FINAL GRADE OR THE SITE BEING IDLE.

MS-2: TEMPORARY SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. PROVIDE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL TRANSPORTED FROM THE PROJECT SITE MS-3: A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION

SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IN THE OPINION OF THE ARCHITECT/ENGINEER, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

MS-4: SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE OR TIMBERING TAKES PLACE. MS-5: STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION. MS-6: SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP

OR BASIN.

CONTROL DRAINAGE AREAS LESS THAT THREE ACRES.

B. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED TO ACCOMMODATE THE ANTICIPATED SEDIMENT LOADING FROM THE LAND-DISTURBING ACTIVITY. THE OUTFALL DEVICE OR SYSTEM DESIGN SHALL TAKE INTO ACCOUNT THE TOTAL DRAINAGE AREA FLOWING THROUGH THE DISTURBED AREA TO BE SERVED BY THE BASIN. MS-7: CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS

CORRECTED. MS-8: CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT

CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE MS-9: WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.

MS-10 ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

MS-11: BEFORE STORM WATER CONVEYANCE CHANNELS ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL

WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS

STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIALS SHALL BE PROVIDED.

MS-14: ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.

MS-15: THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY FOLLOWING AFTER WORK IN THE WATERCOURSE IS COMPLETED.

MS-16: UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.

C.EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFFSITE PROPERTY.

D. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS. E. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

MS-17: WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE. THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

MS-18: ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. UNLESS OTHERWISE AUTHORIZED BY THE LOCAL AUTHORITY HAVING JURISDICTION. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

MS-19: PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA:

A. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED

B. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:

(1) THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINTS OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR

(2) (A) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED BANKS.

CHANNEL BED OR BANKS' AND

WITHIN THE PIPE OR SYSTEM.

(1) IMPROVE THE CHANNELS TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR

RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR

(4) PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE PLAN-APPROVING AUTHORITY TO PREVENT DOWNSTREAM EROSION

D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.

E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT.

RESPONSIBLE FOR PERFORMING THE MAINTENANCE.

G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATERS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.

H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENT ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL PIPE OR PIPE SYSTEM OR TO A DETENTION FACILITY J. IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT, AS A WHOLE, SHALL BE

CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL ENGINEERING CALCULATIONS.

K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS AND OTHER WATERS OF THE STATE.

A. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY

WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD. A TEMPORARY

A.NO MORE THAN 500 LINEAR FEET OF TRENCH SHALL BE OPENED AT ONE TIME.

(B) ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF

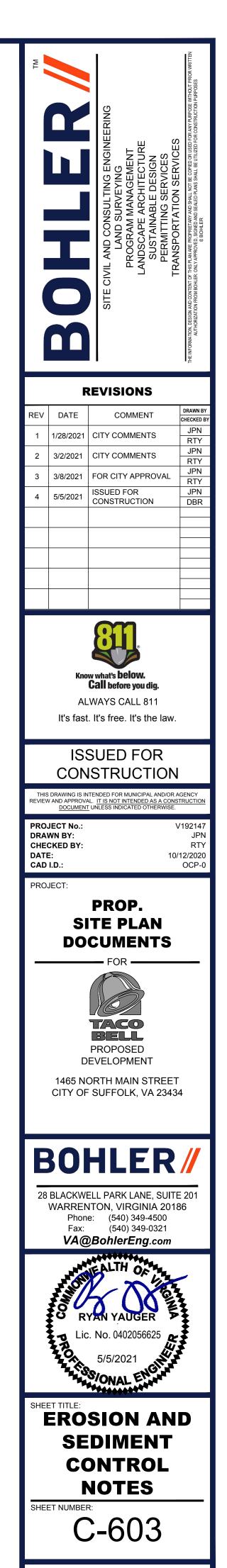
(C) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED

C. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT

(2) IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; OR

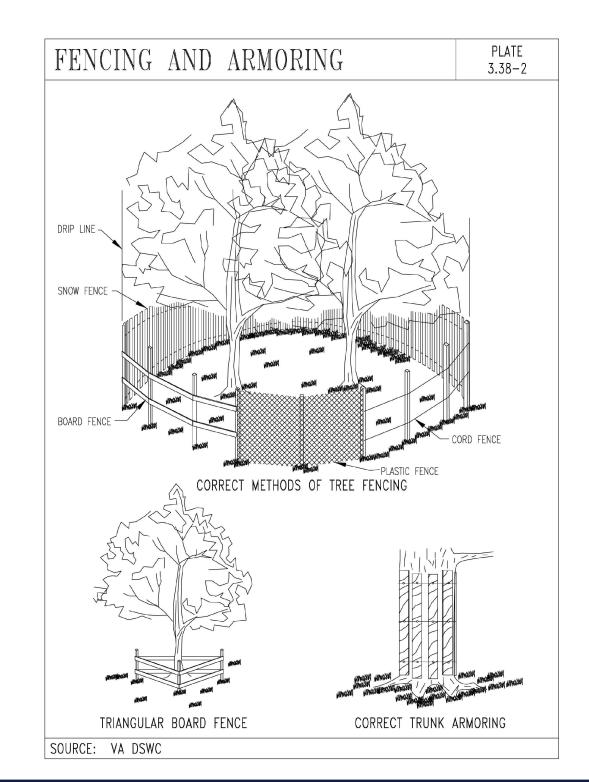
(3) DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFE RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFE OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN

F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON



92	3
TABLE 3.32-D	
SITE SPECIFIC SEEDING MIXTURES FOR COA	STAL PLAIN AREA
	Total Lbs. Per Acre
<u>Minimum Care Lawn</u> - Commercial or Residential - Kentucky 31 or Turf-Type Tall Fescue	175-200 lbs.
or - Common Bermudagrass **	75 lbs.
High-Maintenance Lawn - Kentucky 31 or Turf-Type Tall Fescue	200-250 lbs.
or - Hybrid Bermudagrass (seed) ** or	40 lbs. (unhulled) 30 lbs. (hulled)
- Hybrid Bermudagrass (by other vegetative establishment method, see Std. & Spec. 3.34))
<u>General Slope (3:1 or less)</u> - Kentucky 31 Fescue - Red Top Grass	128 lbs. 2 lbs.
- Seasonal Nurse Crop *	<u>20 lbs.</u> 150 lbs.
Low Maintenance Slope (Steeper than 3:1) - Kentucky 31 Tall Fescue - Common Bermudagrass ** - Red Top Grass - Seasonal Nurse Crop * - Sericea Lespedeza **	93-108 lbs. 0-15 lbs. 2 lbs. 20 lbs. <u>20 lbs.</u> 150 lbs.
* Use seasonal nurse crop in accordance with seeding of February, March through April May 1st through August September, October through November 1 November 16th through January	Annual Rye Foxtail Millet 5th Annual Rye
** May through October, use hulled seed. All othe unhulled seed. Weeping Lovegrass may be added maintenance mix during warmer seeding periods; add 1	to any slope or low-

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1992

		TABLE 3.35-A	
ORGAN	NIC MULCH MA	ATERIALS AND A	PPLICATION RATES
	RA	TES:	Nompa
MULCHES:	Per Acre	Per 1000 sq. ft.	NOTES:
Straw or Hay	1 ¹ / ₂ - 2 tons (Minimum 2 tons for winter cover)	70 - 90 lbs.	Free from weeds and matter. Must be and Spread with mulch b or by hand.
Fiber Mulch	Minimum 1500 lbs.	35 lbs.	Do not use as mulch winter cover or durin dry periods.* Apply slurry.
Corn Stalks	4 - 6 tons	185 - 275 lbs.	Cut or shredded in 4 lengths. Air-dried. I use in fine turf areas with mulch blower or hand.
Wood Chips	4 - 6 tons	185 - 275 lbs.	Free of coarse matte dried. Treat with 12 nitrogen per ton. Do use in fine turf areas with mulch blower, c handler, or by hand.
Bark Chips or Shredded Bark	50 - 70 cu. yds.	1-2 cu. yds.	Free of coarse matte dried. Do not use in turf areas. Apply wit mulch blower, chip h or by hand.

Source: Va. DSWC



1992

MULCHES:

Fiber Mulch

Corn Stalks

Wood Chips

Bark Chips

or

Shredded

Bark

Straw or Hay 11/2 - 2 tons

(Minimum 2

tons for

winter cover)

Minimum 1500 lbs.

4 - 6 tons

4 - 6 tons

50 - 70 cu.

yds.

3.35 S _____ d coarse chored. olower _ h for ng hot, as a 1-6" Do not as. Apply or by ter. Air-12 lbs Do not Apply chip er. Airn fine ith handler, raw 00 sq. ft

Source: Va. DSWC		
STONE CONSTRUCTION ACCESS	70' MIN. 3" SM-2A ASPHALT TO COURSE 27 27 27 27 27 27 27 27 27 27	
STONE CONSTRUCTION ACCESS INCRESS *MUST EXTEND FULL WI OF INGRESS AND EGRES OPERATION	2% 12' MIN. 2% 12' MIN. POSITIVE DRAINAGE TO SEDIMENT	
shutoff valve supply constant pressure. V	12' MIN. 277 <u>SECTION A-A</u> o of 1 inch must be installed with a minimized ing a wash hose with a diameter of 1.5 inco Vash water must be carried away from the	ches for adequate e entrance to an
entering storm drains	a to remove sediment. All sediment shall , ditches or watercourses. AVED WASH RACK SCALE	toe prevented from

TABLE 3.35-A

ORGANIC MULCH MATERIALS AND APPLICATION RATES

70 - 90 lbs.

35 lbs.

185 - 275 lbs.

185 - 275 lbs.

1-2 cu. yds.

* When fiber mulch is the only available mulch during periods when straw

should be used, apply at a minimum rate of 2000 lbs./ac. or 45 lbs./1000 sq. ft.

NOTES:

Free from weeds and coarse matter. Must be anchored.

Spread with mulch blower

Do not use as mulch for

dry periods.* Apply as

Cut or shredded in 4-6"

with mulch blower or by

Free of coarse matter. Air-

dried. Treat with 12 lbs nitrogen per ton. Do not use in fine turf areas. Apply

Free of coarse matter. Air-

mulch blower, chip handler,

dried. Do not use in fine

turf areas. Apply with

or by hand.

with mulch blower, chip

handler, or by hand.

lengths. Air-dried. Do not

use in fine turf areas. Apply

winter cover or during hot,

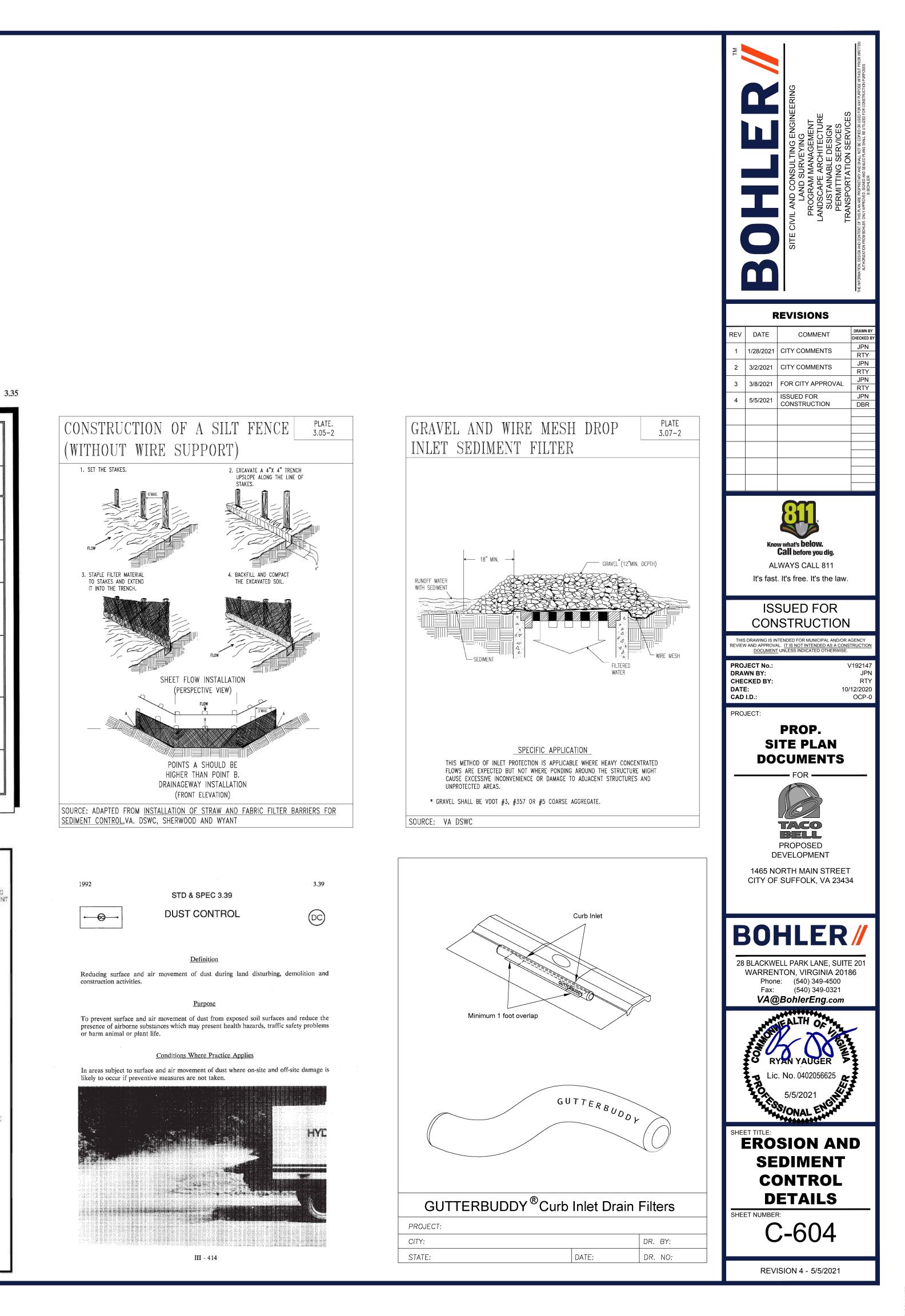
or by hand.

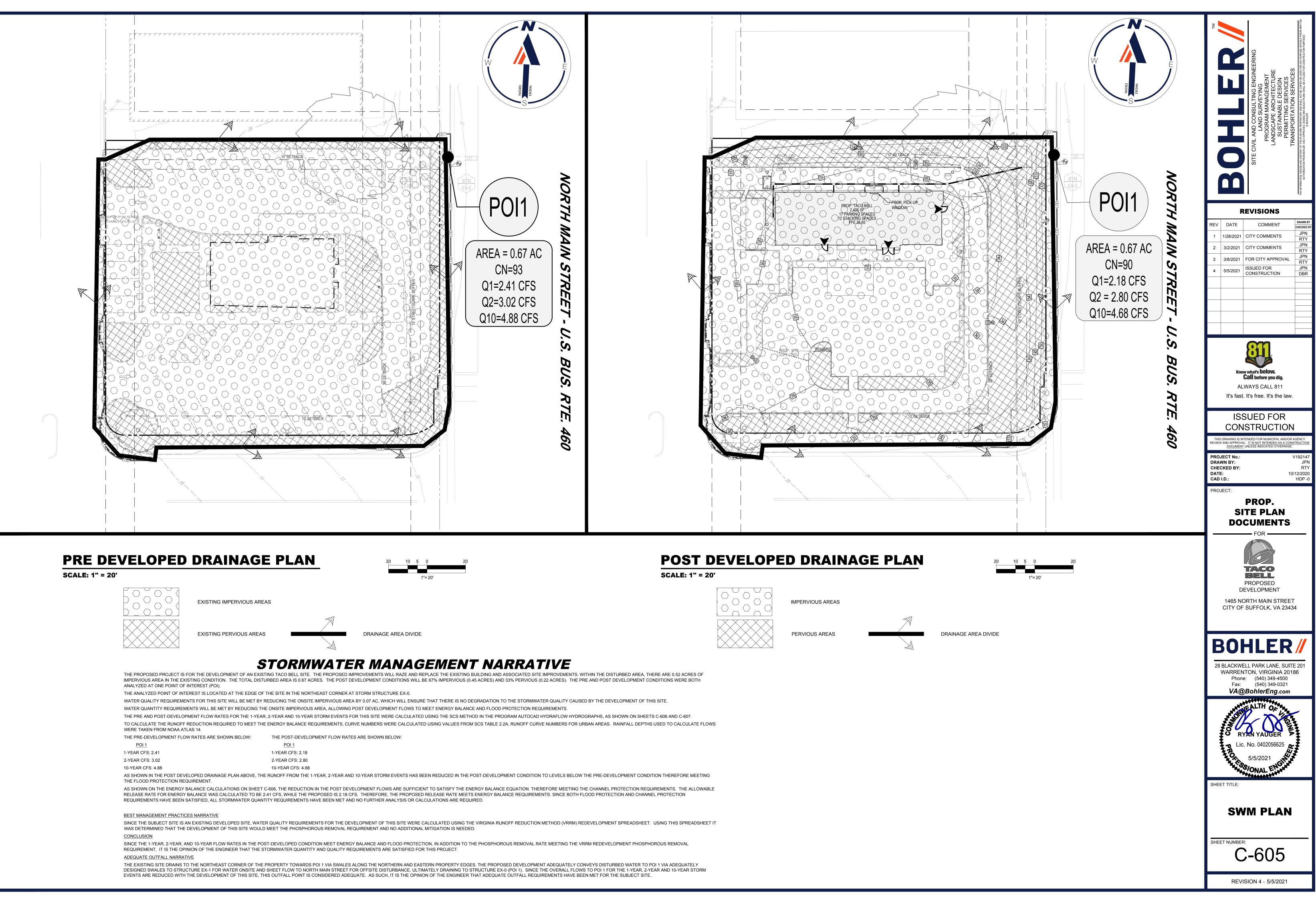
slurry.

hand.

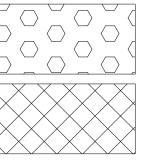
RATES:

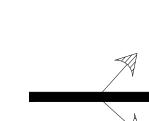
Per Acre Per 1000 sq. ft.

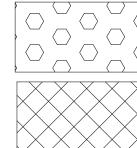


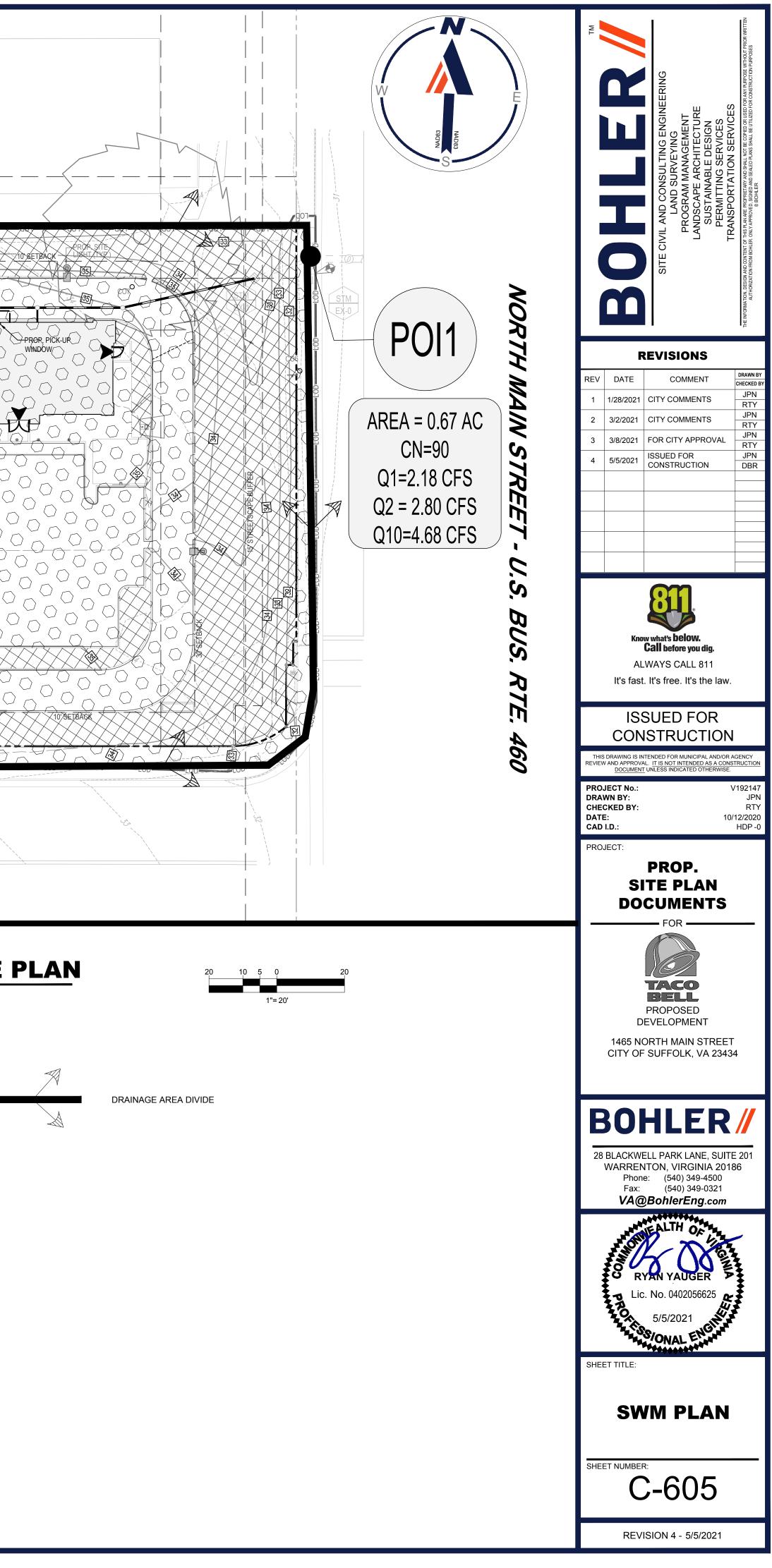












ENERGY BALANCE

Site: Jurisdiction: Storm Event: 24-Hour Rainfall Depth:	Taco Bell - Suffolk Co 1 Year 2.99"	
Point of Interest ID	1	Comments
Pre-Development	1yr	
Q, Flow (cfs)	2.41	
CN, Curve Number	93	
RV, Runoff Depth (in)	2.24	
Drainage Area (ac)	0.67	
RV, Runoff Volume (ac-in)	1.50	
Post-Development		
Q, Flow (cfs)	2.18	
l.F.	0.90	Improvement Factor
CN, Curve Number	90	
RV, Runoff Depth (in)	1.97	
Drainage Area (ac)	0.67	
RV, Runoff Volume (ac-in)	1.32	
Energy Balance (EB)		
Q, Post-Dev (cfs)	2.18	
I.F. * Q pre * RV pre	2.41	Q, Post-Dev Allowable (ct

Lifelgy Balance (EB)		
Q, Post-Dev (cfs)	2.18	
<u>I.F. * Q pre * RV pre</u>	2.41	Q, Post-Dev Allowable (cfs)
RV post		
EB Achieved	Yes	

Notes:

1. Q Post-Dev must always be less than or equal to Q Pre-Dev

2. Q Post-Dev is not required to be less than that calculated in the equation

(Q forest x RV forest) / RV Post-Dev

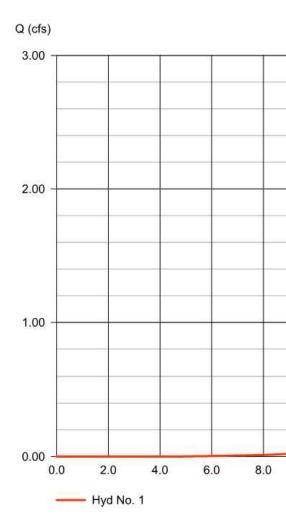
3. I.F. = 0.8 for sites > 1.0 acre, 0.9 for sites \leq 1.0 acre 4. RV, Runoff Volumes per VA SWM Handbook, Ch. 11, App. 11C

Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2020

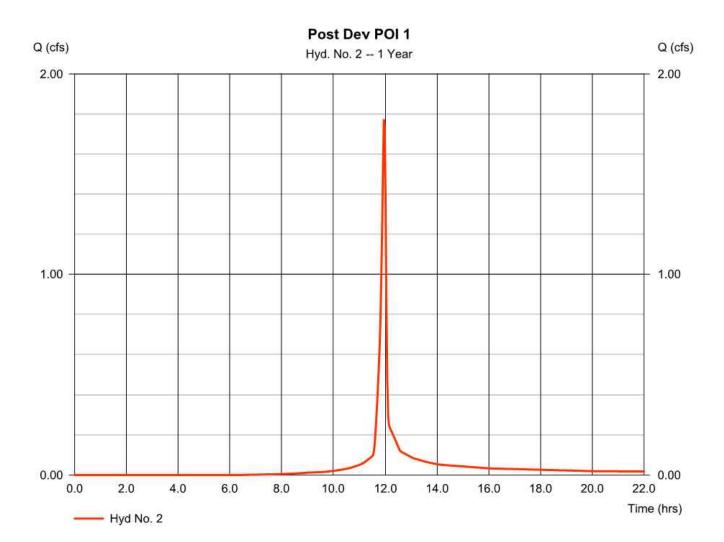
Hyd. No. 1	
Pre Dev POI 1	
Hydrograph type	= SCS Runoff
Storm frequency	= 1 yrs
Time interval	= 2 min
Drainage area	= 0.670 ac
Basin Slope	= 0.0 %
Tc method	= User
Total precip.	= 2.99 in
Storm duration	= 24 hrs

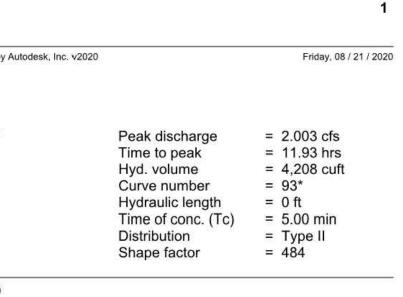
* Composite (Area/CN) = [(0.150 x 74) + (0.520 x 98)] / 0.670



Hydrograph F	Report		2
Hydraflow Hydrographs Extensi	on for Autodesk® Civil 3D® by Autodesk, I	Inc. v2020	Friday, 08 / 21 / 2020
Hyd. No. 2			
Post Dev POI 1			
Hydrograph type	= SCS Runoff	Peak discharge	= 1.774 cfs
Storm frequency	= 1 yrs	Time to peak	= 11.93 hrs
Time interval	= 2 min	Hyd. volume	= 3,634 cuft
Drainage area	= 0.670 ac	Curve number	= 90*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 2.99 in	Distribution	= Type II
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = [(0.220 x 74) + (0.450 x 98)] / 0.670





Pre Dev POI 1 Q (cfs) Hyd. No. 1 -- 1 Year 3.00 2.00 1.00 0.00 0.0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0 20.0 22.0 Time (hrs)

Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2020

Hyd. No. 1

Storm duration

Pre Dev POI 1	
Hydrograph type	=
Storm frequency	
Time interval	
Drainage area	÷
Basin Slope	3
Tc method	ŧ
Total precip.	=

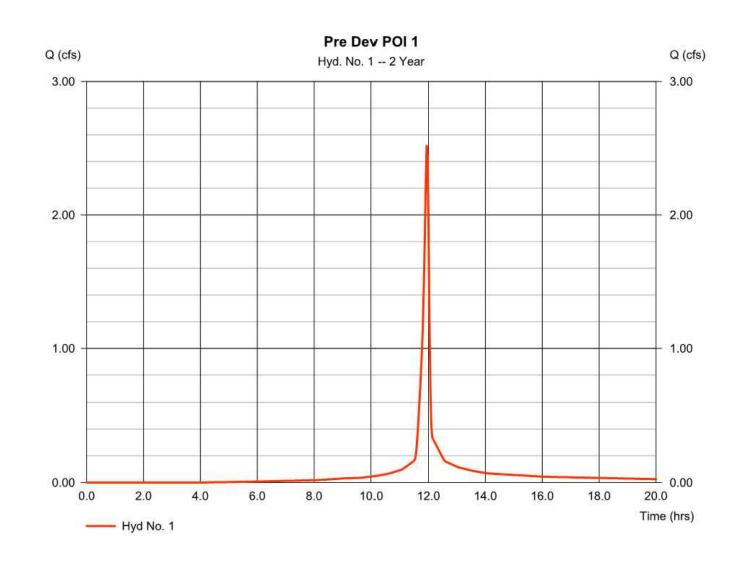
= SCS Runoff = 2 yrs = 2 min = 0.670 ac = 0.0 % = User = 3.63 in = 24 hrs

Peak discharge Time to peak Hyd. volume Curve number Hydraulic length Time of conc. (Tc) = 5.00 min Distribution Shape factor

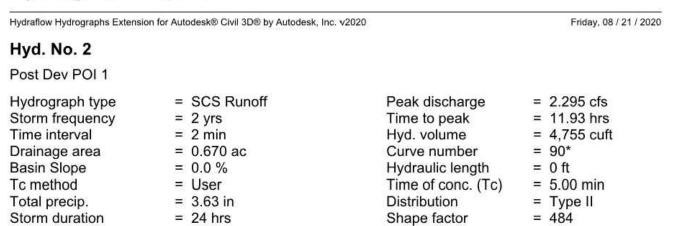
= 11.93 hrs = 5,380 cuft = 93* = 0 ft = Type II = 484

= 2.524 cfs

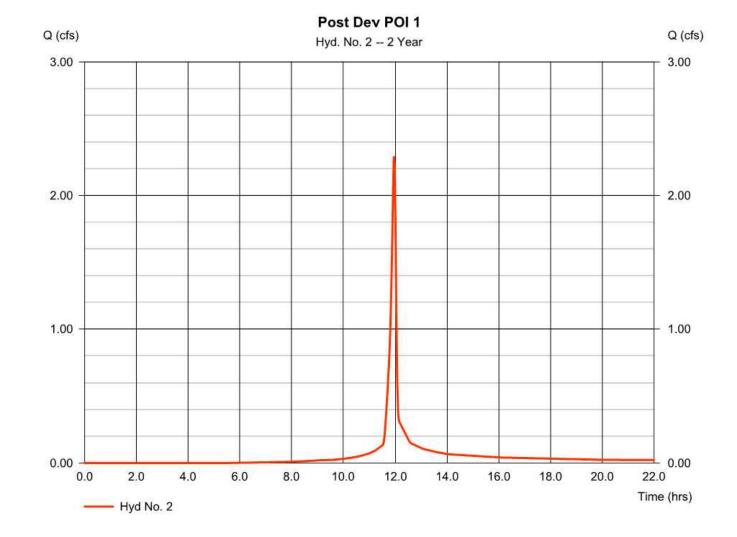
* Composite (Area/CN) = [(0.150 x 74) + (0.520 x 98)] / 0.670



Hydrograph Report

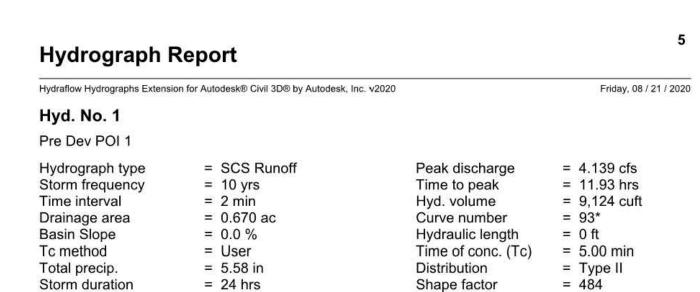


* Composite (Area/CN) = [(0.220 x 74) + (0.450 x 98)] / 0.670



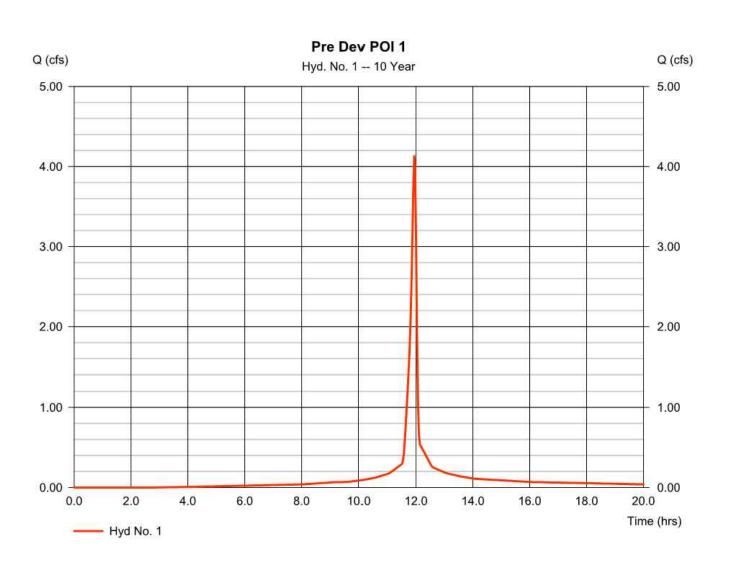
4

Friday, 08 / 21 / 2020



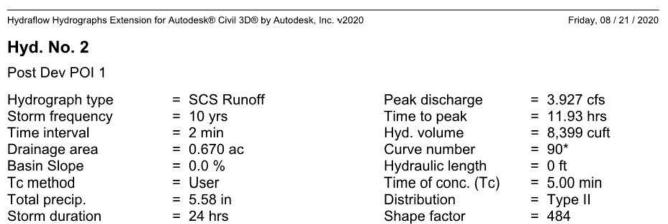
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6

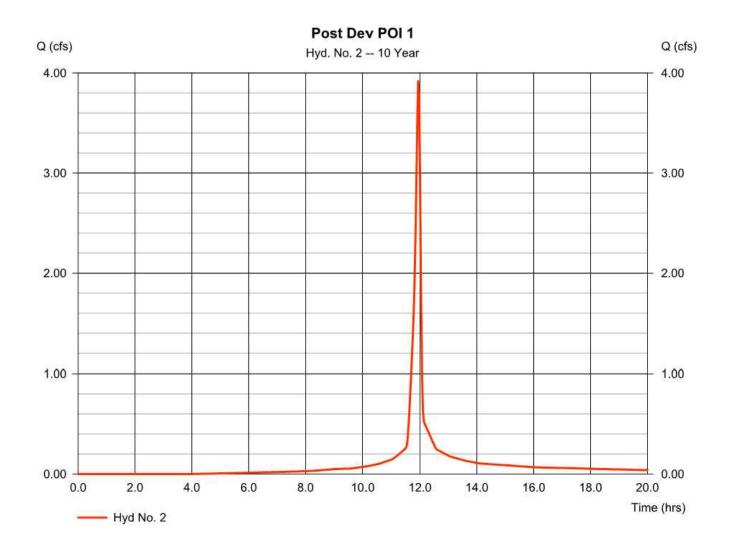


Hydrograph Report

* Composite (Area/CN) = [(0.150 x 74) + (0.520 x 98)] / 0.670



* Composite (Area/CN) = [(0.220 x 74) + (0.450 x 98)] / 0.670



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RE	/ DATE	COMMENT	DRAWN BY CHECKED BY
1 2 3 4	1/28/2021 3/2/2021 3/8/2021 5/5/2021	CITY COMMENTS CITY COMMENTS FOR CITY APPROVAL ISSUED FOR CONSTRUCTION	JPN RTY JPN RTY JPN RTY JPN DBR
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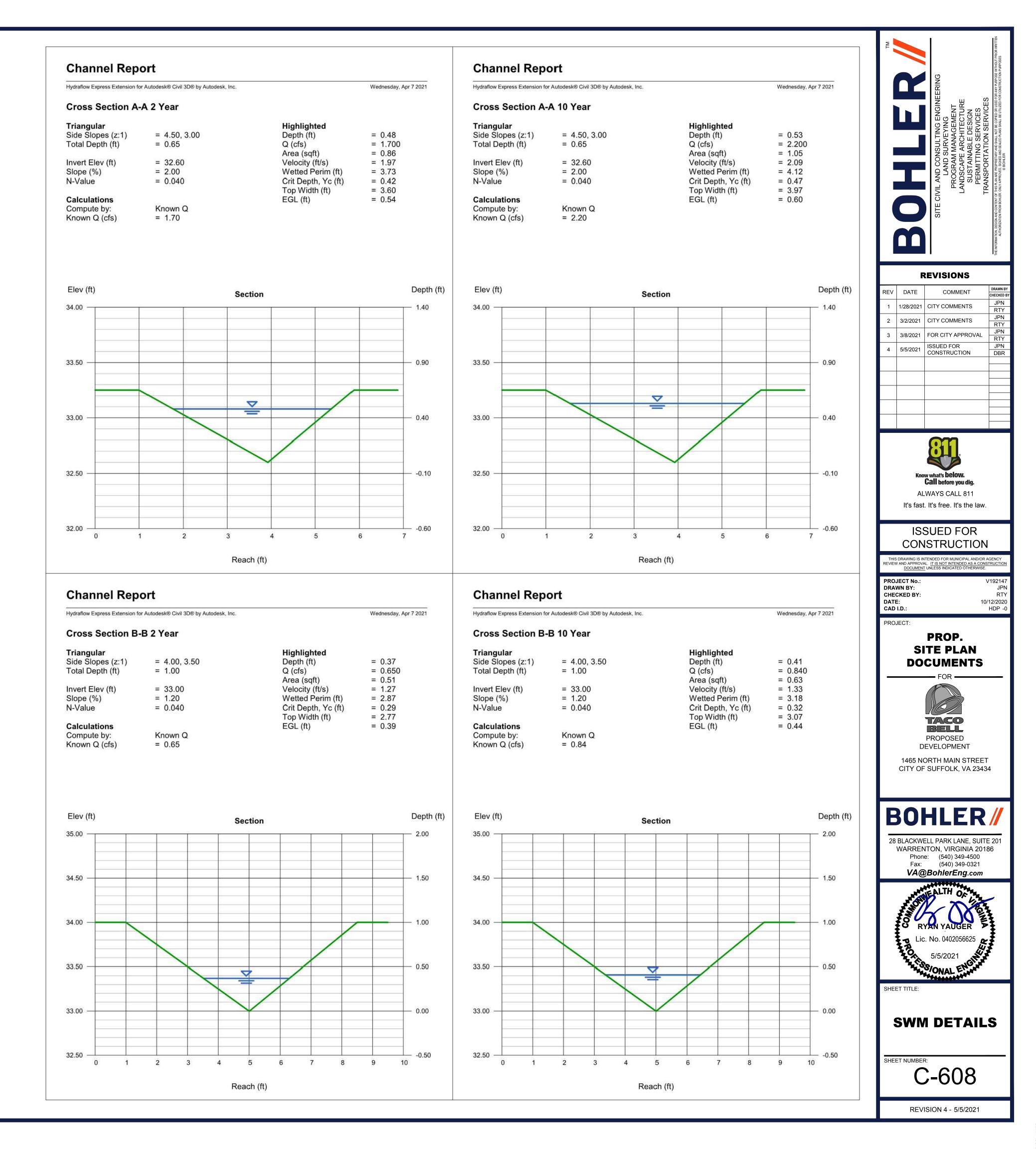
			<u>*</u>	
Project Name: Taco Bell - Suffolk CLEAR ALL data input cells Date: 21-Aug-20 constant values	DEQ. Virginia Runoff Reduction Method Re-Development Compliance Spreadsheet - Version 3.0 BMP Design Specifications List: 2013 Draft Stds & Specs Update Summary Sheet	Drainage Area A Drainage Area A Land Cover (acres)	CLEAR BMP AREAS	RIOR WRITTEN
Linear Development Project? No calculation cells Site Information final results	Site Summary Print Preview Print Preview Print Print Preview Print Print Preview Print Print Print Preview Print Preview Print Print Preview Print Print Preview Print Preview Print Print Preview Print Preview Print Preview Print Print Preview Print Print Preview Print Print Preview Print Preview Print Preview Print Preview Print Print Preview Print Print Preview Print P	A Soils B Soils C Soils D Soils Totals Land Cover Rv Forest/Open Space (acres) Image: Acres definition of the second	***********************	
Post-Development Project (Treatment Volume and Loads)	Total Disturbed Acreage: 0.67 Site Land Cover Summary		Total Phosphorus Available for Removal in D.A. A (lb/yr) 1.09	EERING FOR ANY PURP
Enter Total Disturbed Area (acres) → 0.67 Check: BMP Design Specifications List: 2013 Draf	Pre-ReDevelopment Land Cover (acres)	Total 0.67 Stormwater Best Management Practices (RR = Runoff Reduction)	Post Development Treatment Volume in D.A. A (ft ³) 1,728Select from dropdown lists-	
Maximum reduction required: 10% Linear project? No The site's net increase in impervious cover (acres) is: 0 Land cover areas entered correctly? ✓	Forest/Open (acres) 0.00 0.00 0.00 0.00 0.00 Managed Turf (acres) 0.00 0.00 0.15 0.00 0.15 22 Impervious Cover (acres) 0.00 0.00 0.52 78	RunoffManagedImperviousVolume fromRunoffRemainingTotal BMPPhosphorusPracticeReductionTurf CreditCover CreditUpstreamReductionRunoffTreatmentRemovalCredit (%)Area (acres)Area (acres)Practice (ft ³)(ft ³)Volume (ft ³)Volume (ft ³)Efficiency (%	Phosphorus Untreated Phosphorus Remaining Load from Phosphorus Removed By Phosphorus Upstream Load to Practice Practice (Ib) Load (Ib)	LTING NAGEI CCHITE E DES SERVI ON SE
Post-Development TP Load Reduction for Site (lb/yr): 0.00 Total disturbed area entered?	0.67 100 Post-ReDevelopment Land Cover (acres)	1. Vegetated Roof (RR)	Práctices (IB) (IB)	APE AR APE AR AN MA APE AR AND SUR AND SEA AND SEA OHLER
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Porest/open space (ad es) undisturbed, 0.00 protected forest/open space or reforested 0.00 Managed Turf (acres) disturbed, graded 0.15 for yards or other turf to be 0.15	Managed Turf (acres) 0.00 0.00 0.22 0.00 0.22 33 Impervious Cover (acres) 0.00 0.00 0.45 0.00 0.45 67 0.67 100	2. Rooftop Disconnection (RR) 2.a. Simple Disconnection to A/B Soils 50 0 0 0 0	0.00 0.00 0.00	E CIVIL E CIVIL LA TR TR
Impervious Cover (acres) 0.52 0.52 0.67 0.67 0.67	Site Tv and Land Cover Nutrient Loads Final Post-Development Post- Adjusted Pre- Pre- Final Post- Post- (Dert ReDevelopment Post- Development Adjusted Pre- ReDevelopment Development TP Load TD Load pre-	(Spec #1) 300 6		SIT SITION AND CO
Post-Development Land Cover (acres)	(Post-ReDevelopment & New Impervious) (Post- ReDevelopment New Impervious) Development (New Impervious) Development ReDevelopment (New Impervious) Development ReDevelopment (New Impervious) Development ReDevelopment (New Impervious) Development ReDevelopment (Ib/acre/yr) TP Load per acre (Ib/acre/yr) TP Load per acre (Ib/acre/yr) Site Rv 0.71 0.71 0.79 1.79 1.62 1.62	specifications (existing C/D soils) (Spec #4) 50 0 0 0 0 0 2.d. To Dry Well or French Drain #1, Micro-Infiltration #1 (Spec #8) 50 0 0 0 0 0 25	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	INFORMATION. E
A Soils B Soils C Soils D Soils Totals Forest/Open Space (acres) undisturbed, protected forest/open space or reforested a a a Managed Turf (acres) disturbed, graded a b a a	Treatment Volume (ft ³) 1,728 1,913 TP Load (lb/yr) 1.09 1.09 1.20	2.e. To Dry Well or French Drain #2, Micro-Infiltration #2 (Spec #8)90000252.f. To Rain Garden #1, Micro-Bioretention #1 (Spec #9)40000025	0.00 0.00 <th< td=""><td>L I</td></th<>	L I
for yards or other turf to be 0.22 Impervious Cover (acres) 0.45	Total TP Load Reduction Required0.000.00(Ib/yr)0.000	2.g. To Rain Garden #2, Micro-Bioretention #2 (Spec #9) 80 0 0 0 0 0 50 2.h. To Rainwater Harvesting (Spec #6) 0	0.00 0.00 0.00 0.00 REV	DATE COMMENT DRAWN BY
Area Check OK. OK. OK. 0.67	Final Post-Development Load Pre- (Post-ReDevelopment & New Impervious) ReDevelopment	2.i. To Stormwater Planter, Urban Bioretention (Spec #9, Appendix A)40Image: Constraint of the sector of		DATE CONVINCENT CHECKED BY 1/28/2021 CITY COMMENTS JPN RTY RTY
Constants Runoff Coefficients (Rv) Annual Rainfall (inches) 43 Annual Rainfall (inches) 43	TN Load (lb/yr) 7.76 8.60 Site Compliance Summary	3. Permeable Pavement (RR) 3.a. Permeable Pavement #1 (Spec #7) 45 0 0 0 0 25	0.00 0.00 0.00	3/2/2021 CITY COMMENTS 3/8/2021 FOR CITY APPROVAL JPN JPN JPN RTY JPN RTY JPN
Target Rainfall Event (inches) 1.00 Forest/Open Space 0.02 0.03 0.04 0.05 Total Phosphorus (TP) EMC (mg/L) 0.26 Managed Turf 0.15 0.20 0.22 0.25 Total Nitrogen (TN) EMC (mg/L) 1.86 Impervious Cover 0.95 0.95 0.95 0.95	Maximum % Reduction Required Below Pre-ReDevelopment Load	3.b. Permeable Pavement #2 (Spec #7) 75 0 0 0 25	0.00 0.00	5/5/2021ISSUED FOR CONSTRUCTIONJPN DBR
Target TP Load (lb/acre/yr) 0.41 Pj (unitless correction factor) 0.90	Total Runoff Volume Reduction (ft ³) 0	4. Grass Channel (RR) 4.a. Grass Channel A/B Soils (Spec #3) 20 0 0 0 0 15		
Post-Development Requirement for Site Area	Total TP Load Reduction Achieved (lb/yr) 0.00	4.b. Grass Channel C/D Soils (Spec #3)100000154.c. Grass Channel with Compost Amended Soils as per specs (see Spec #4)206000015	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	
TP Load Reduction Required (lb/yr) 0.00 ** TP LOAD REDUCTION NOT REQUIRED	Total TN Load Reduction Achieved (lb/yr) 0.00 Remaining Post Development TP Load (lb/yr) 1.09	S. Dry Swale (RR) 0 0 0 0 0 20 20 5. a. Dry Swale #1 (Spec #10) 40 0 0 0 0 0 20	0.00 0.00 0.00	
	(lb/yr) Remaining TP Load Reduction (lb/yr) Required 0.00 Remaining TP Load Reduction (lb/yr) (Remaining TP load reduction required (Required - Achieved < 0.005 lb/yr)	5.a. Dry Swale #1 (Spec #10) 60 60 0 0 0 0 0 40 5.b. Dry Swale #2 (Spec #10) 60 60 0 0 0 0 0 40		
LAND COVER SUMMARY POST DEVELOPMENT Land Cover Summary-Post (Final) Land Cover Summary-Post Land Cover Summary-Post	Drainage Area Summary	6. Bioretention (RR) 6.a. Bioretention #1 or Micro-Bioretention #1 or Urban Bioretention (Spec #9) 40 0 0 0 0 25	0.00 0.00 0.00	
Land Cover Summary-Post Land Cover Summary-Post Land Cover Summary-Post Post ReDev. & New Impervious Post-ReDevelopment Post-Development New Impervious	D.A. A D.A. B D.A. C D.A. D D.A. E Total Forest/Open (acres) 0.00 0.00 0.00 0.00 0.00	6.b. Bioretention #2 or Micro-Bioretention #2 (Spec #9) 0 0 0 0 0 50		Know what's below. Call before you dig.
Forest/Open Space 0.00 Cover (acres) 0.00	Managed Turf (acres) 0.22 0.00 0.00 0.00 0.22 Impervious Cover (acres) 0.45 0.00 0.00 0.00 0.45 Total Area (acres) 0.67 0.00 0.00 0.00 0.00 0.67	7. Infiltration (RR) 7.a. Infiltration #1 (Spec #8) 50 0 0 0 0 25		ALWAYS CALL 811 It's fast. It's free. It's the law.
Weighted Rv(forest) 0.00 % Forest 0%	Drainage Area Compliance Summary	7.b. Infiltration #2 (Spec #8) 90 0 0 0 0 25 8. Extended Detention Pond (RR)		ISSUED FOR
Managed Turf Cover (acres) 0.22 Managed Turf Cover (acres) 0.22	D.A. A D.A. B D.A. C D.A. D D.A. E Total TP Load Reduced (lb/yr) 0.00 0.00 0.00 0.00 0.00 TN Load Reduced (lb/yr) 0.00 0.00 0.00 0.00 0.00	8.a. ED #1 (Spec #15) 0 0 0 0 0 0 15		CONSTRUCTION
Weighted Rv (turf) 0.22 Weighted Rv (turf) 0.22	TN Load Reduced (Ib/yr) 0.00 0.00 0.00 0.00 0.00	8.b. ED #2 (Spec #15) 15 0 0 0 0 15 9. Sheetflow to Filter/Open Space (RR)		DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY AND APPROVAL. <u>IT IS NOT INTENDED AS A CONSTRUCTION</u> <u>DOCUMENT</u> UNLESS INDICATED OTHERWISE.
% Managed Turf 33% % Managed Turf 33%		9.a. Sheetflow to Conservation Area, A/B Soils 75 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 PROJE	
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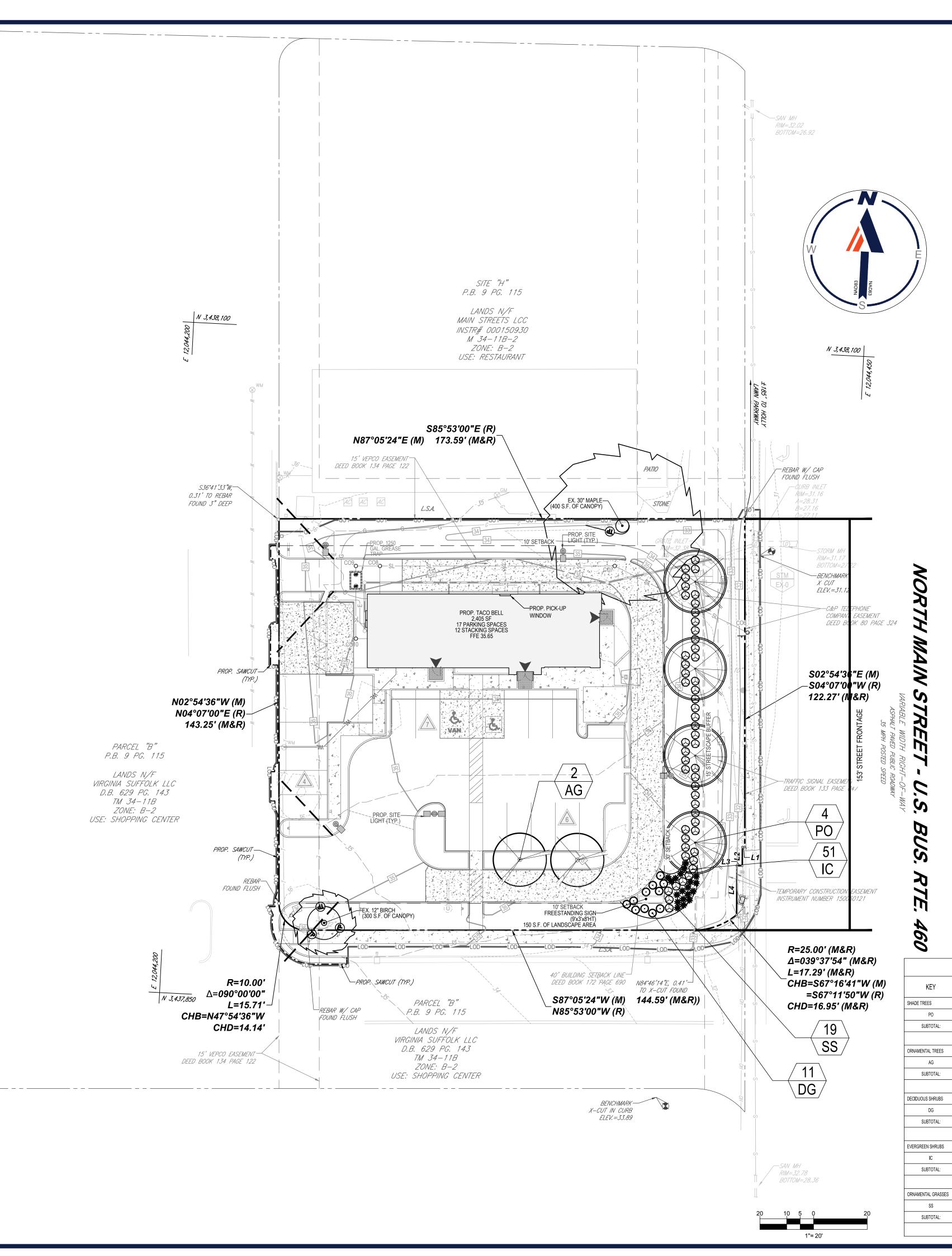
	D.A. A	D.A. B	D.A. C	D.A. D	D.A. E	TOTAL
RUNOFF REDUCTION VOLUME ACHIEVED (ft ³)	0	0	0	0	0	0
TP LOAD AVAILABLE FOR REMOVAL (Ib/yr)	1.09	0.00	0.00	0.00	0.00	1.09
TP LOAD REDUCTION ACHIEVED (Ib/yr)	0.00	0.00	0.00	0.00	0.00	0.00
TP LOAD REMAINING (Ib/yr)	1.09	0.00	0.00	0.00	0.00	1.09

FINAL POST-DEVELOPMENT TP LOAD (Ib/yr)	
TP LOAD REDUCTION REQUIRED (Ib/yr)	
TP LOAD REDUCTION ACHIEVED (Ib/yr)	0.00
TP LOAD REMAINING (Ib/yr):	1.09
MAINING TP LOAD REDUCTION REQUIRED (Ib/yr):	0.00
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Total Nitrogen (For Information Purposes)	
POST-DEVELOPMENT LOAD (Ib/yr)	
NITROGEN LOAD REDUCTION ACHIEVED (Ib/yr)	
EMAINING POST-DEVELOPMENT NITROGEN LOAD (Ib/yr)	7.76



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LEGEND

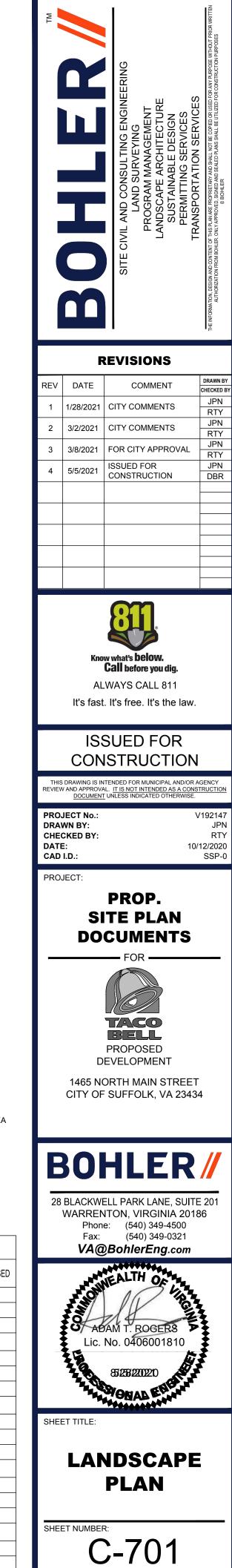
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SPECIAL CORRIDOR OVERLAY DISTRICT

SITE TRIANGLE LINE

LANDSCAPING REQUIREMENTS

	ZONING SE	ECTION 31-412 (g)						
	FRONT ST	REETSCAPE REQUIRED -			trip Shrub 3' o.c.			
	FRONT ST	REETSCAPE PROPOSED -	153' @ NORT 4 TREES PRO		. / 40' = 3.8			
			153' @ NORT 51 SHRUBS I					
	ZONING SE	CTION 31-603 (e) TREE CANOPY						
	TOTAL SITI	E AREA:	26,466 S.F.					
		PY REQUIRED: 66 ACRES X .10)	2,647 S.F.					
) 10 YR. CANOPY: REE CANOPY TO REMAIN:	2,100 S.F. 700 S.F.					
	TOTAL CAN	TOTAL CANOPY PROVIDED:						
	ZONING SE	CTION 31-603 (h) SIGN LANDSCA	PE					
	SIGN LAND	SCAPE REQUIRED:	10 SHRUBS /	SIGN w/ 75	5 S.F. MIN. AREA			
	PROPOSE) SIGN LANDSCAPE:	11 SHRUBS v	v/ 150 S.F. I	LANDSCAPE AREA			
	ZONING SE	CTION 31-603 (I) INTERIOR PARK	ING					
	INTERIOR F	PARKING LANDSCAPE REQUIRED	: 1 TREE / 10 S	SPACES				
	PROPOSEL) INTERIOR LANDSCAPE:	17 SPACES / 2 PROPOSEI					
 	LANDSC	APE SCHEDULE						
QTY.	BOTANICAL NAME	COMMON NAME	CAL. / HT.	CONT.	CANOPY PROPOSED			
		COMMON NAME						
QTY. 4 4	BOTANICAL NAME PLATANUS OCCIDENTALIS		CAL. / HT. 3" CAL. / 10-12'	CONT. B+B	CANOPY PROPOSED 400 SUBTOTAL: 1,600			
4		COMMON NAME			400			
4		COMMON NAME			400			
4 4 2		COMMON NAME			SUBTOTAL: 1,600			
4	PLATANUS OCCIDENTALIS	COMMON NAME AMERICAN SYCAMORE	3" CAL. / 10-12'	B+B	400 SUBTOTAL: 1,600			
4 4 2	PLATANUS OCCIDENTALIS	COMMON NAME AMERICAN SYCAMORE	3" CAL. / 10-12'	B+B	400 SUBTOTAL: 1,600			
4 4 2	PLATANUS OCCIDENTALIS	COMMON NAME AMERICAN SYCAMORE	3" CAL. / 10-12'	B+B	400 SUBTOTAL: 1,600			
4 4 2 2	PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	COMMON NAME AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY	3" CAL. / 10-12' 2 1/2" CAL. / 10-12'	B+B B+B	400 SUBTOTAL: 1,600			
4 4 2 2 2	PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	COMMON NAME AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY	3" CAL. / 10-12' 2 1/2" CAL. / 10-12'	B+B B+B	400 SUBTOTAL: 1,600			
4 4 2 2 2	PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	COMMON NAME AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY	3" CAL. / 10-12' 2 1/2" CAL. / 10-12'	B+B B+B	400 SUBTOTAL: 1,600			
4 4 2 2 2	PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	COMMON NAME AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY	3" CAL. / 10-12' 2 1/2" CAL. / 10-12'	B+B B+B	400 SUBTOTAL: 1,600 250			
4 4 2 2 2 11 11	PLATANUS OCCIDENTALIS PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' DEUTZIA GRACILIS	COMMON NAME AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY SLENDER DEUTZIA	3" CAL. / 10-12' 2 1/2" CAL. / 10-12' 24" HT. & SPREAD	B+B B+B #5 CAN	400 SUBTOTAL: 1,600 250			
4 4 2 2 2 11 11 11 51	PLATANUS OCCIDENTALIS PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' DEUTZIA GRACILIS	COMMON NAME AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY SLENDER DEUTZIA	3" CAL. / 10-12' 2 1/2" CAL. / 10-12' 24" HT. & SPREAD	B+B B+B #5 CAN	400 SUBTOTAL: 1,600			
4 4 2 2 2 11 11 11 51 51	PLATANUS OCCIDENTALIS PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' DEUTZIA GRACILIS ILEX CRENATA 'HELLERI'	COMMON NAME AMERICAN SYCAMORE AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY SLENDER DEUTZIA HELLERI JAPANESE HOLLY	3" CAL. / 10-12' 2 1/2" CAL. / 10-12' 24" HT. & SPREAD 24" HT. & SPREAD	B+B B+B #5 CAN	400 SUBTOTAL: 1,600			
4 4 2 2 2 11 11 11 51	PLATANUS OCCIDENTALIS PLATANUS OCCIDENTALIS AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' DEUTZIA GRACILIS	COMMON NAME AMERICAN SYCAMORE AUTUMN BRILLIANCE' APPLE SERVICEBERRY SLENDER DEUTZIA	3" CAL. / 10-12' 2 1/2" CAL. / 10-12' 24" HT. & SPREAD	B+B B+B #5 CAN	400 SUBTOTAL: 1,600			



LANDSCAPE SPECIFICATIONS

. SCOPE OF WORK: HE 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

- B. TOPSOIL NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS
- C. 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. 1.1. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED. 1.2. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. 1.3. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.
- D. 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.
- F FFRTILIZER
- 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. 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 CERTIFIED SOIL LABORATORY

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 ASSOCIATION
- 1.2. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL
- 1.3. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST 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", WHICH HAVE NOT BEEN COMPLETELY CALLUSED, SHALL BE REJECTED PLANTS SHALL NOT BE BOUND WITH 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, INSECTS, PESTS, EGGS OR LARVAE
- 1.6. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (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 BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE. 1.7. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE
- LONGEST BRANCH 1.8. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL

3. GENERAL WORK PROCEDURES

A. 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

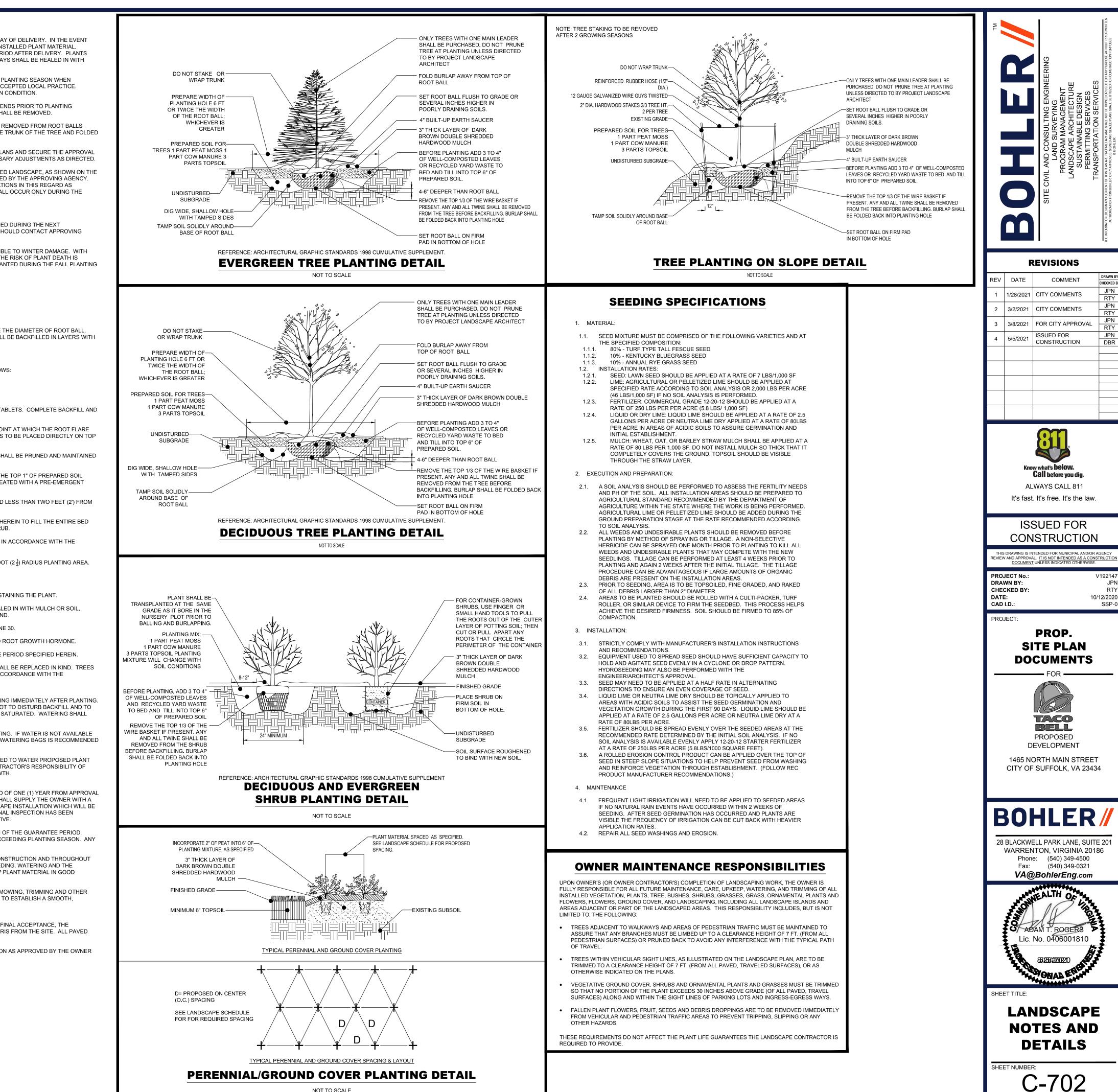
B. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.

- A. 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.
- 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
- C. 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 PROTECTIO

- A. 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.
- 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 WITHIN THE TREE PROTECTION DETAIL.
- C. 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.
- 6. SOIL MODIFICATIONS A. CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.
- B. 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
- C. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY 1.1. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC
- MATTER 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 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 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 CLAY LOAM UP TO 30% OF THE TOTAL MIX. INISHED GRADIN
- A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE
- 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"±)
- C. 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.
- D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.
- TOPSOILIN 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 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
- D. 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) 1.1. 20 POUNDS 'GROW POWER' OR APPROVED EQUAL 1.2. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP
- E. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.

- 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 DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING
- 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.
- F. 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. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS 1.1. PLANTS: MARCH 15 TO DECEMBER 15
- 1.2. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1
- G. 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.
- H. 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 SEASON ACER RUBRUM PLATANUS X ACERIFOLIA BETULA VARIETIES POPULOUS VARIETIES CARPINUS VARIETIES PRUNUS VARIETIES
- CRATAEGUS VARIETIES PYRUS VARIETIES **KOELREUTERIA** QUERCUS VARIETIES LIQUIDAMBER STYRACIFLUA TILIA TOMENTOSA LIRIODENDRON TULIPIFERA ZELKOVA VARIETIES
- 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 PEAT MOSS
- 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 PLAN
- B) 3 TABLETS PER 5 GALLON PLANT C) 4 TABLETS PER 15 GALLON PLANT D) LARGER PLANTS: 2 TABLETS PER 1/2" CALIPER OF TRUNK
- J. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND
- WATER THOROUGHLY 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
- 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
- Q. ALL NEW TREES SHALL BE MULCHED WITH A MINIMUM TWO AND ONE-HALF-FOOT (2¹/₂) RADIUS PLANTING AREA. R. MULCHING SHALL CONSIST OF A MINIMUM DEPTH OF TWO (2) INCHES.
- 10. TRANSPLANTING (WHEN REQUIRED)
- A. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT. 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 MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.
- 12. GUARANTEE 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, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- 13. CLEANUP A. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.
- B. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE



BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.

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

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PARKING	Fc	3.13	5.8	1.5	2.09	3.87		

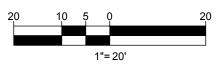
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Symbol	Qty	Label	Lum. Lumens	LLF	Description	Lum. Watts		
	1	A	22675	0.980	WLS-A-A-5SH-T-40K 25' MOUNTING HEIGHT	132		
•	3	В	17500	0.980	WLS-A-A-3ME-T-40K-BLSLF 25' MOUNTING HEIGHT	132		

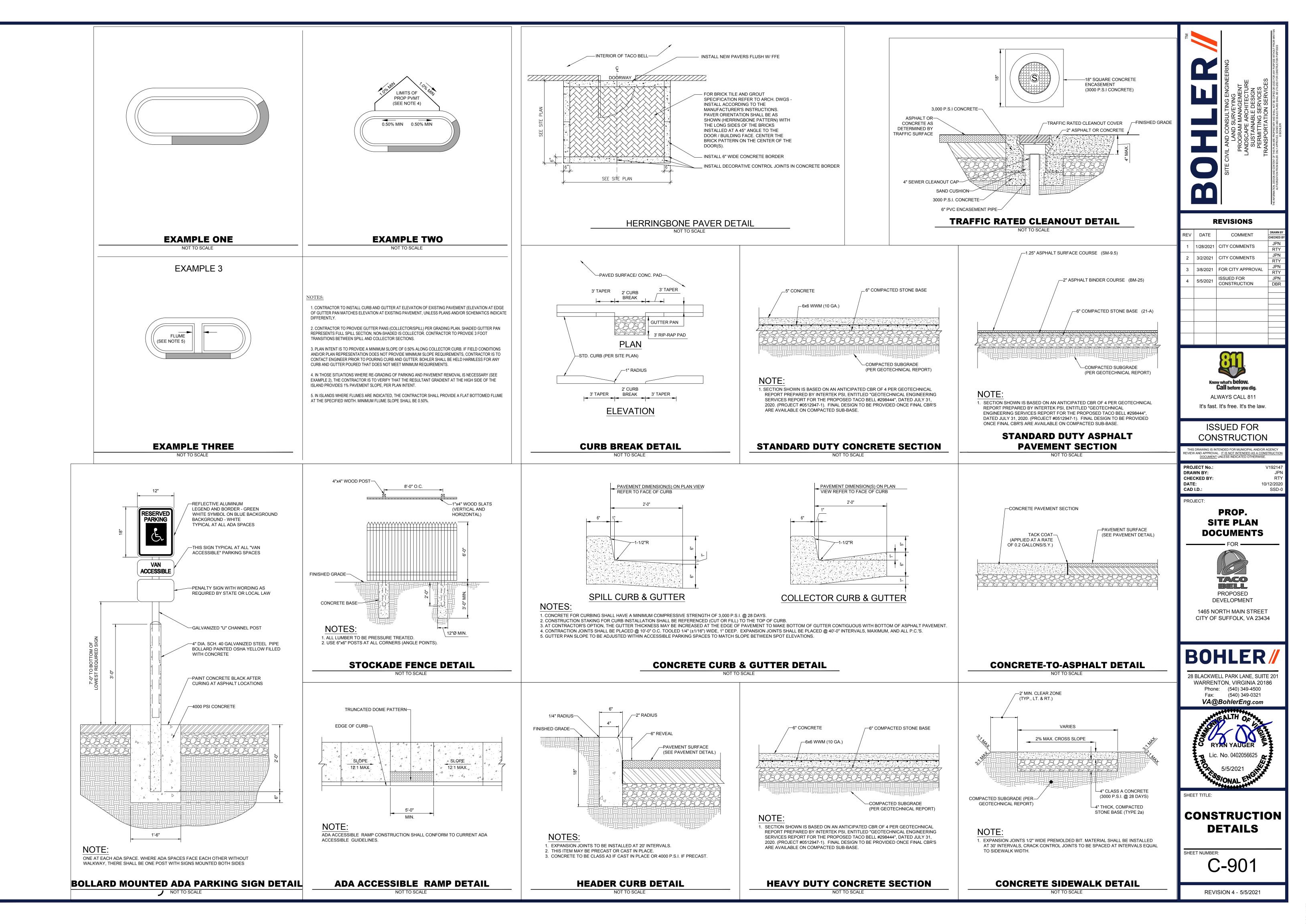


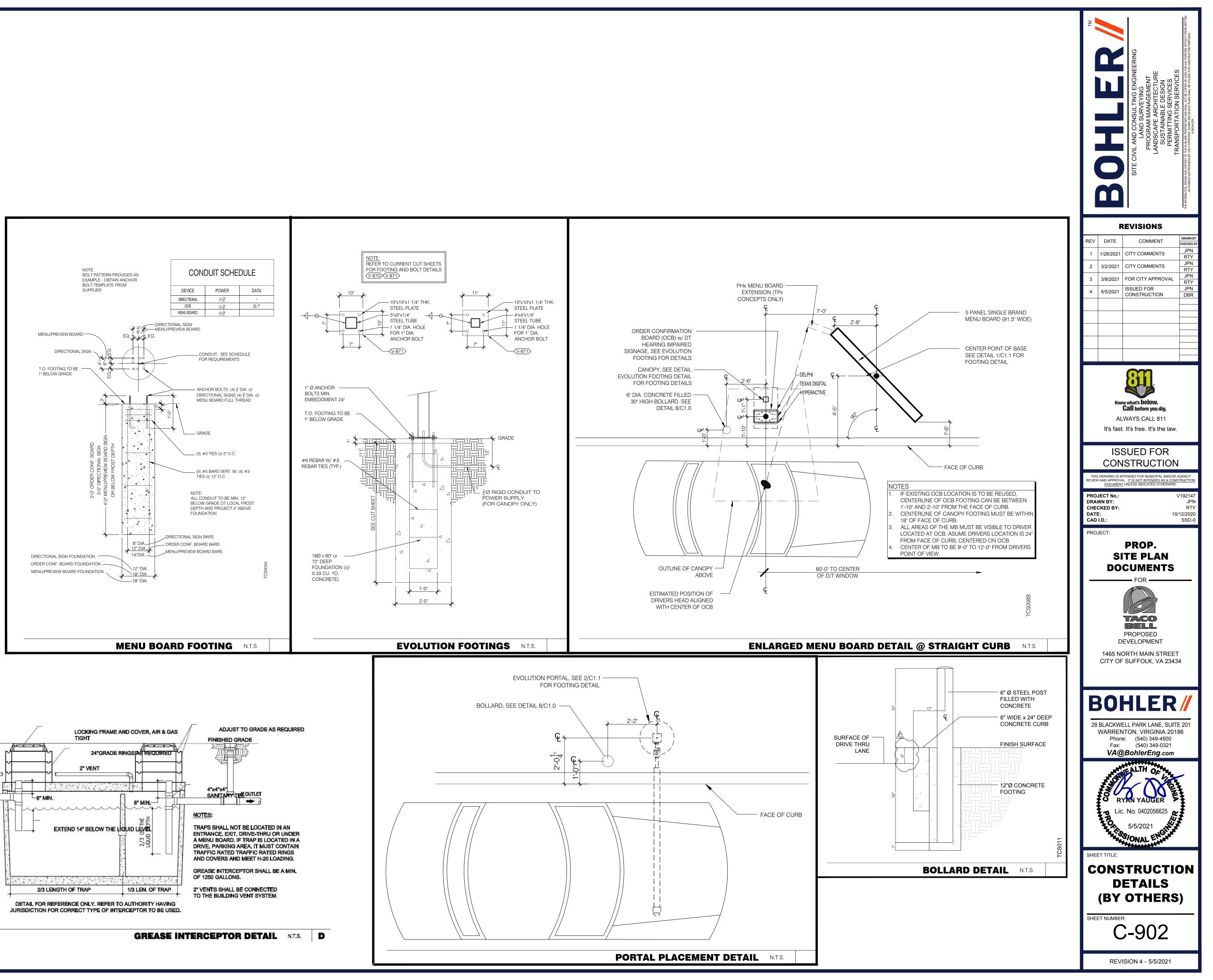
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2	3/2/2021	CITY COMMENTS	JPN RTY
3	3/8/2021	FOR CITY APPROVAL	JPN RTY JPN
4	5/5/2021	CONSTRUCTION	DBR
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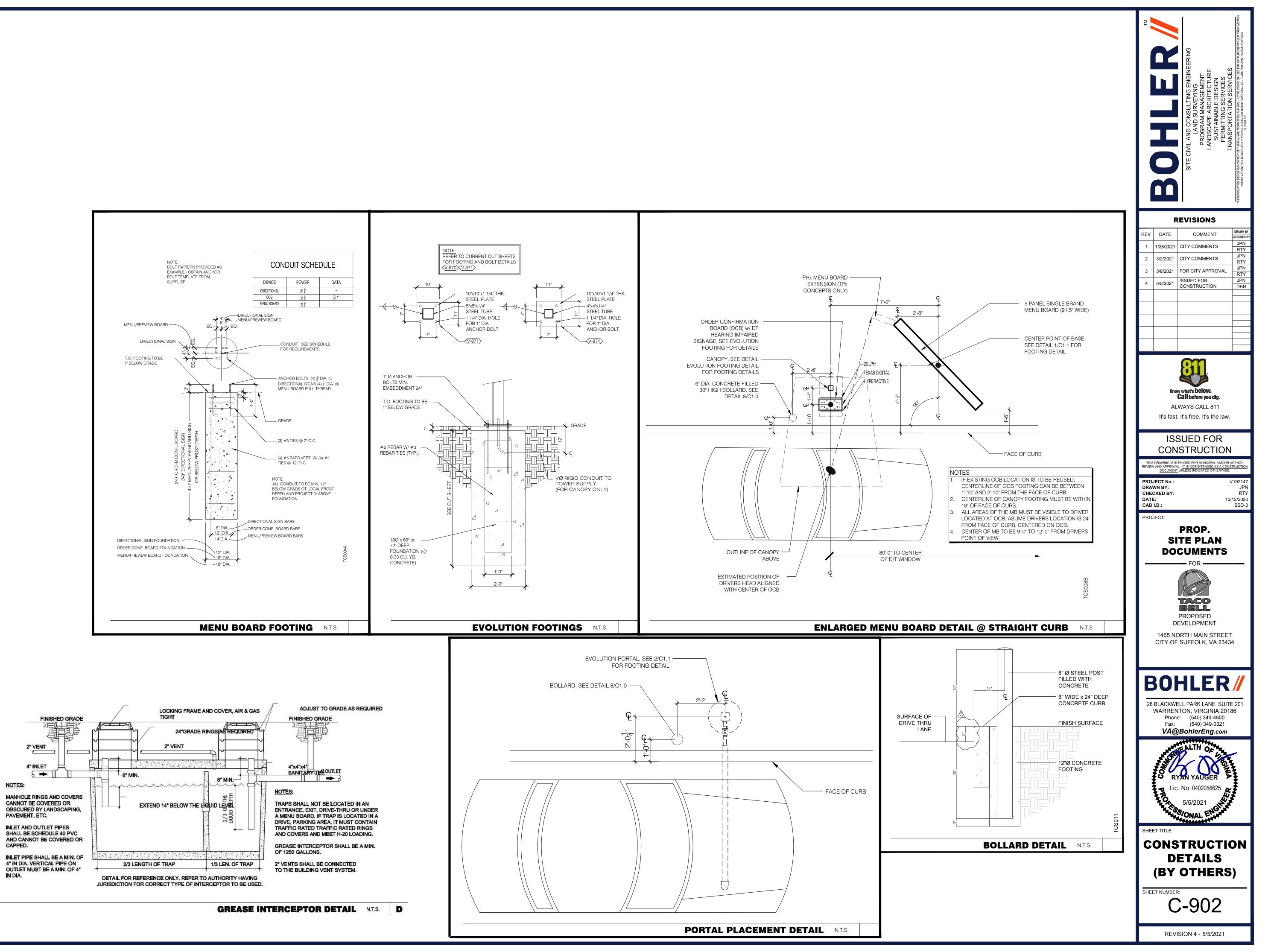
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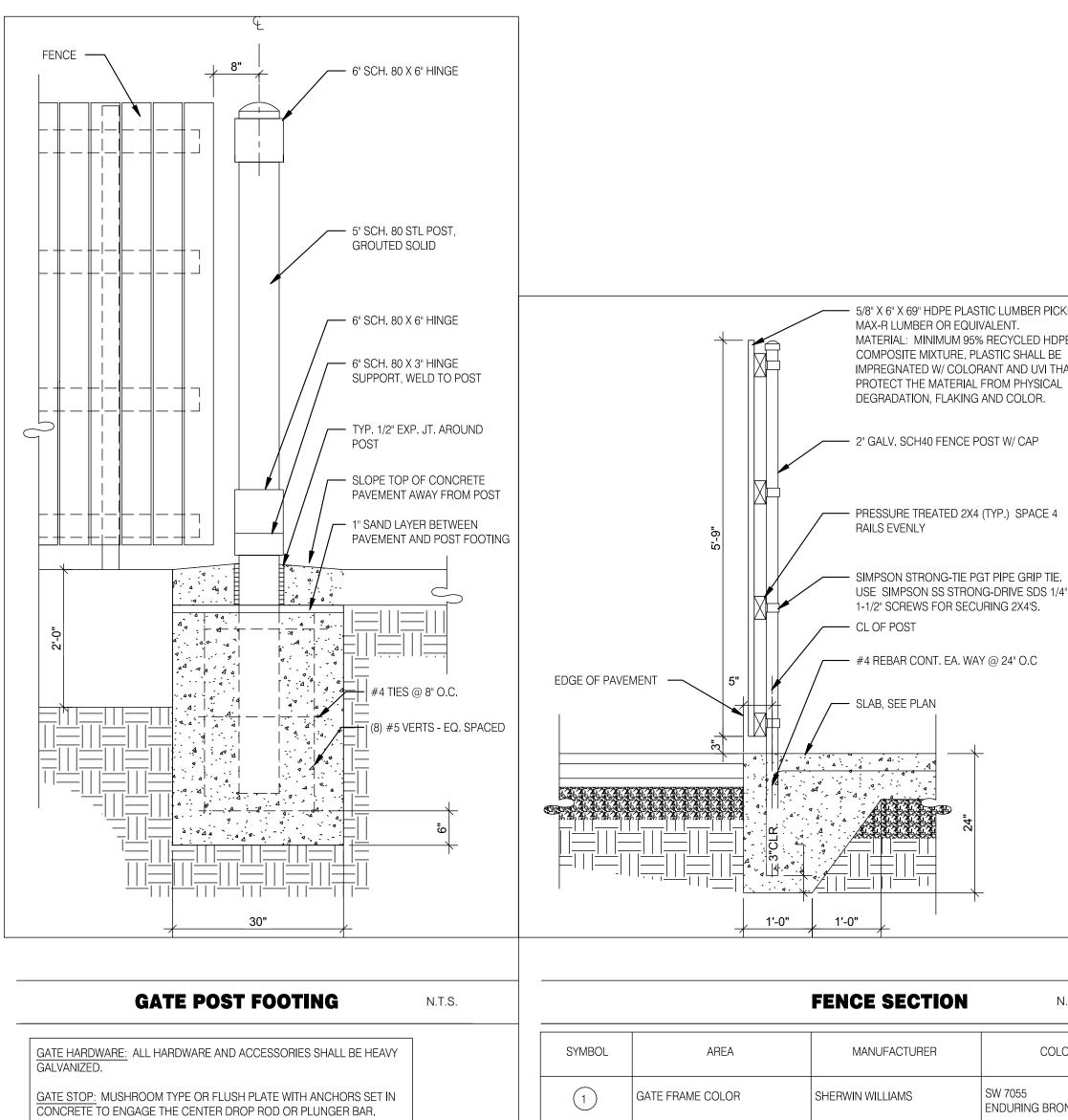
- 1. ALL LIGHTS SHALL BE SHIELDED, FILTERED AND DIRECTED TO MINIMIZE GLARE AND REDUCE LIGHT POLLUTION.
- 2. ALL LIGHTING FIXTURES USED MUST BE A FULL CUT-OFF DESIGN FILTERED WITH A FLAT LENS AND PARALLEL TO THE GROUND.











GATE NOTES: (4) EQUAL WIDE x 6-0" HIGH MTL. GATES, TYPE 'B' 1 1/2" DECKING, 22GA. W/ T.S. 1 X1 1875 BAR CROSS BRACING WELD AND GRIND SMOOTH ALL CONNECTIONS, TYP. PRIME AND PAINT ALL STEEL COMPONENTS.

ENCLOSURE NOTES

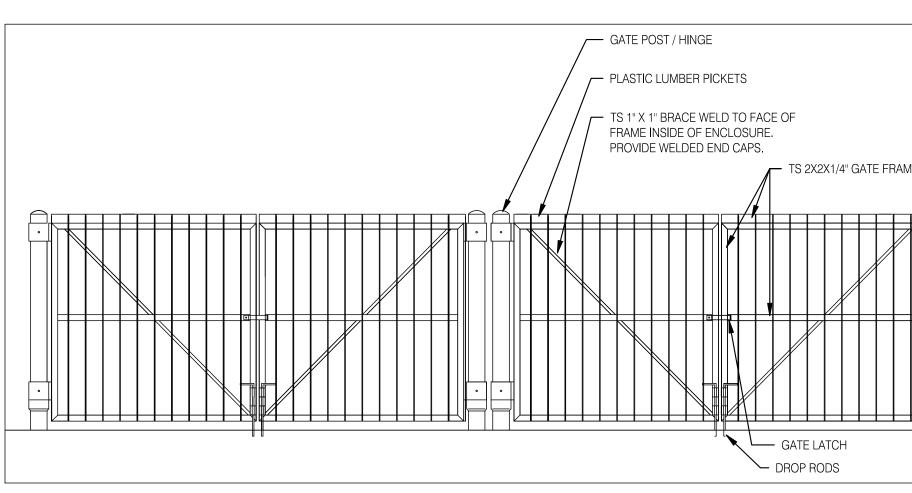
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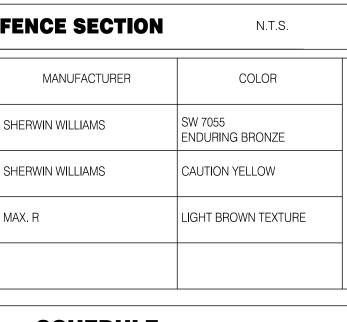
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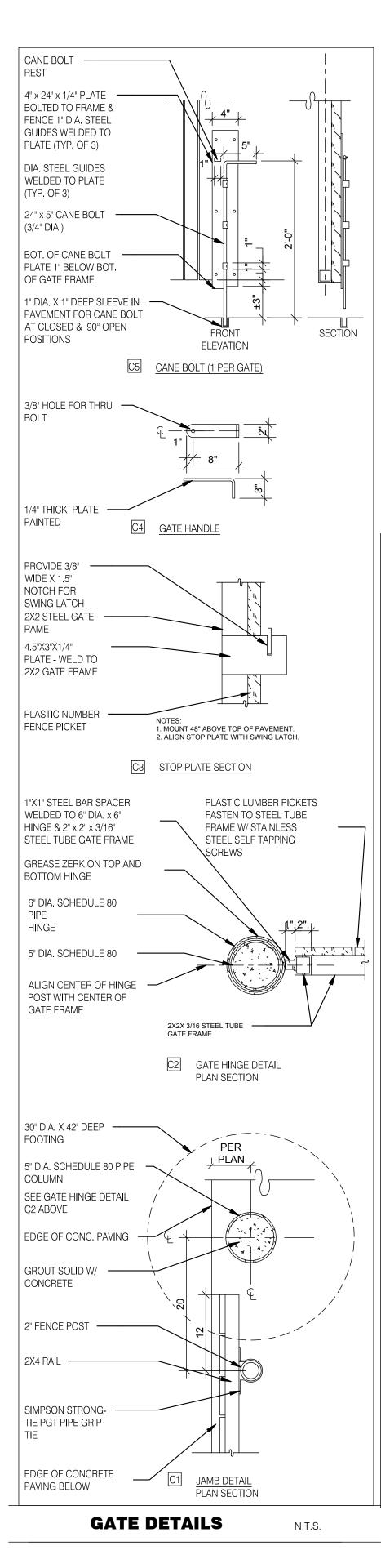
5/8" X 6" X 69" HDPE PLASTIC LUMBER PICKETS BY MATERIAL: MINIMUM 95% RECYCLED HDPE TYPE 2 IMPREGNATED W/ COLORANT AND UVI THAT WILL

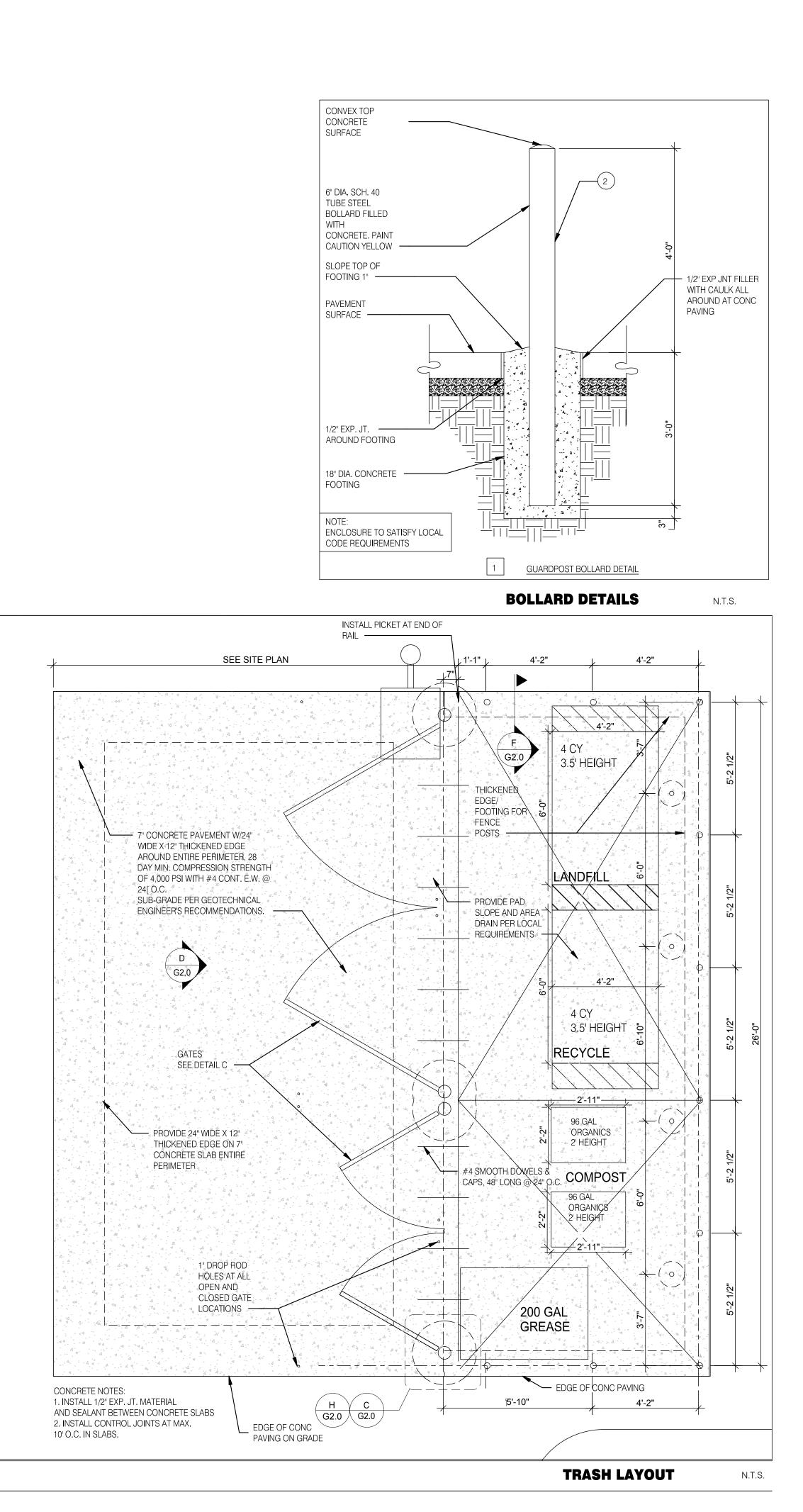
USE SIMPSON SS STRONG-DRIVE SDS 1/4" X



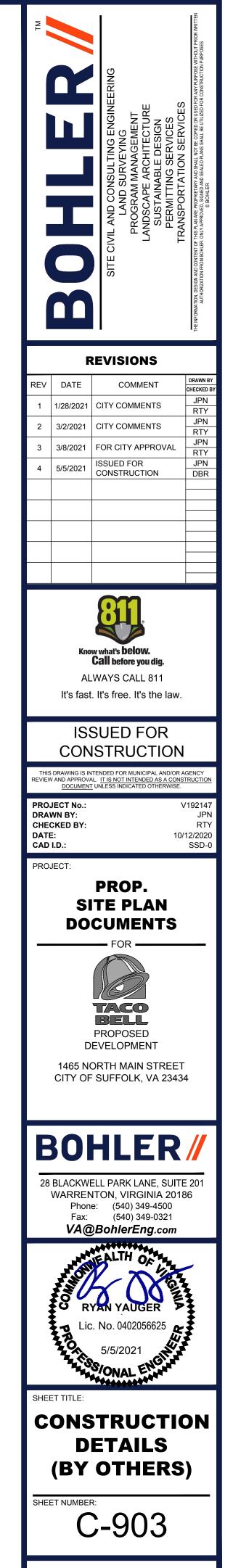
N.T.S.

- TS 2X2X1/4" GATE FRAME





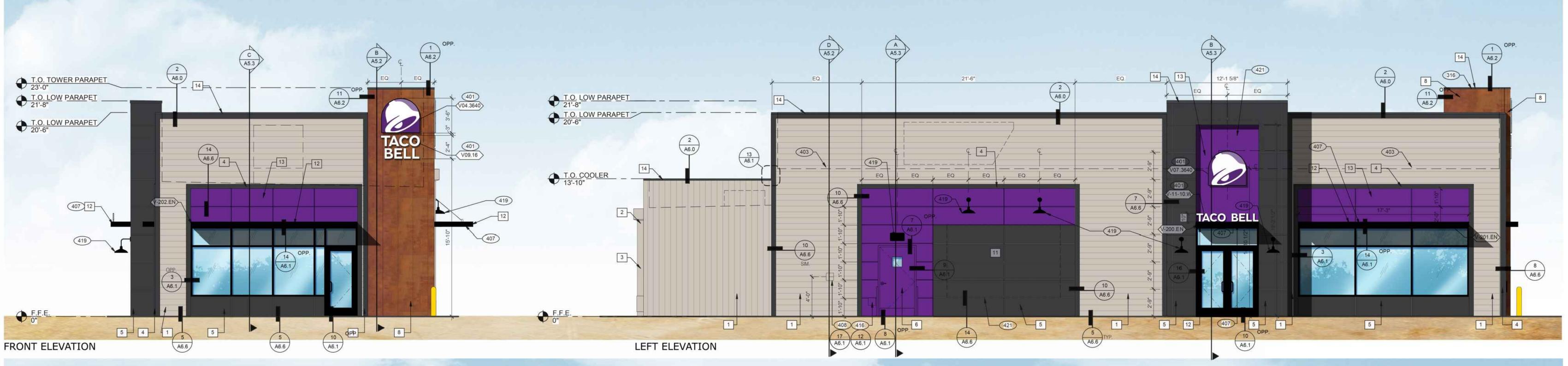
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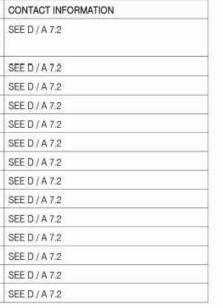




1	SIDING	JAMES HARDIE	ARTISAN V-GROOVE RUSTIC 144"L X 8.25"W; 7" EXPOSURE COMES PRIMED FOR PAINT	WORLDLY GRAY (SW7043), SEMI-GLOSS	2	сж) (
2	SCUPPERS	5		WORLDLY GRAY (SW7043), SEMI-GLOSS		
3	DOWN SPOUTS	27		WORLDLY GRAY (SW7043), SEMI-GLOSS	82	28
4	HARDIE TRIM	JAMES HARDIE	HARDIE TRIM 5/4 SMOOTH 1"x5.5"	CYBERSPACE (SW7076), SEMI-GLOSS	9 <u>4</u>	2. E
5	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	CYBERSPACE (SW7076), SEMI-GLOSS		(*)
6	HOLLOW METAL DOOR & FRAME	5	192	PURPLE (TB2603C), SEMI-GLOSS	8	< •)
7	AWNINGS		(#)	CYBERSPACE (SW7076), SEMI-GLOSS	ø	8.5
8	CORNER TOWER	1	2	WEATHERED RUSTIC- WESTERN STATES	12 1	18) (18)
9	RECESS OF SIDE ENTRY PORTAL	10	÷	PURPLE (TB2603C)		- i.
10	EXTERIOR ARTWORK PANELS (OPTIONAL)	JAMES HARDIE	REVEAL PANEL SYSTEM	PURPLE (TB2603C) RUSTIC	5 4	1.62
11	EXTERIOR MURAL	5			27	- 's
12	METAL CANOPIES	SIGNAGE VENDOR		2.	2. 1.	č.
13	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	PURPLE (TB2603C)	8	88
14	METAL PARAPET CAP		i i i i i i i i i i i i i i i i i i i	CYBERSPACE (SW7076)	A.,	18
	I million and a constant					5a











CONCEPTUAL ELEVATIONS

THIS SHEET IS FOR REFERENCE ONLY! C-904

CITY OF SUFFOLK TRAFFIC ENGINEERING GENERAL NOTES

1. A LAND USE PERMIT MUST BE OBTAINED FROM THE CITY OF SUFFOLK, DEPARTMENT OF PUBLIC WORKS, ROAD MAINTENANCE DIVISION AT 757-514-7625 BEFORE ANY CONSTRUCTION IS STARTED WITHIN THE EXISTING CITY RIGHT OF WAY. CONTACT THE CITY FOR THE PERMIT FEE AND BOND AMOUNT. ALL LAND USE PERMIT APPLICATIONS MUST HAVE TWO (2) SETS OF APPROVED PLANS, A CHECK FOR THE PROCESSING FEE MADE PAYABLE TO THE CITY TREASURER, AND SURETY IN THE REQUIRED AMOUNT.

2. THE DEVELOPER IS RESPONSIBLE FOR THE RELOCATION OF ANY UTILITIES OR PAVEMENT MARKINGS WITHIN THE EXISTING RIGHT OF WAY OR PROPOSED RIGHT OF WAY REQUIRED BY THE DEVELOPMENT OF THE SITE/SUBDIVISION.

3. THE DEVELOPER IS RESPONSIBLE FOR THE COST OF A TRAFFIC SIGNAL OR ANY MODIFICATIONS TO AN EXISTING TRAFFIC SIGNAL THAT ARE DETERMINED TO BE NECESSARY. THIS WORK MAY BE BY A CONTRACTOR HIRED BY THE DEVELOPER, WITH TRAFFIC ENGINEERING INSPECTION AND APPROVAL OF WORK, SOME WORK MAY BE CHARGED UNDER AN OPERATIONAL PROJECT (ACCOUNTS RECEIVABLE) NUMBER AND PERFORMED BY CITY STAFF. CONTACT THE CITY TRAFFIC ENGINEER FOR THE PROPER PROCEDURE TO BE FOLLOWED ON THIS PROJECT.

4. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONSULT WITH THE DEVELOPER'S ENGINEER TO VERIFY THE FINAL APPROVAL OF THE PLANS, OR ANY REVISED PLANS, BY THE VARIOUS AGENCIES (PUBLIC UTILITIES, PUBLIC WORKS, ETC.).

5. CITY OF SUFFOLK APPROVAL OF THESE PLANS WILL EXPIRE IN FIVE (5) YEARS FROM THE DATE OF APPROVAL.

THE TRAFFIC ENGINEER IS TO RECEIVE WRITTEN NOTIFICATION 48 HOURS PRIOR TO THE START OF ANY TRAFFIC ENGINEERING RELATED WORK, A PRE-CONSTRUCTION MEETING WILL BE REQUIRED PRIOR TO ANY TRAFFIC ENGINEERING RELATED WORK ON THE SITE. THE CONTRACTOR SHALL ATTEND THE PRE-CONSTRUCTION MEETING. THE DEVELOPER'S CONTRACTOR SHALL HAVE A PROPOSED PROGRESS SCHEDULE OF WORK.

7. ANY ERRORS, CONFLICTS, OR DISCREPANCIES FOUND ON THE APPROVED PLANS SHALL BE REPORTED TO THE DEVELOPER'S ENGINEER AND THE CITY TRAFFIC ENGINEER FOR RESOLUTION BEFORE PROCEEDING FURTHER WITH WORK.

8. THE DEVELOPER'S ENGINEER AND CONTRACTOR (SUB-CONTRACTOR) SHALL VERIFY IN THE FIELD THE ELEVATIONS OF ALL POINTS OF CONNECTION OF PROPOSED WORK TO EXISTING ITEMS, PRIOR TO THE CONSTRUCTION IN THE FIELD.

9. ALL MATERIALS AND CONSTRUCTION WITHIN THE PROPOSED PUBLIC RIGHT OF WAY, SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF SUFFOLK SPECIFICATIONS AND STANDARDS.

10. ANY REQUEST FOR A CHANGE OF SPECIFIED MATERIALS OR DESIGN FROM THE APPROVED PLANS WILL NEED TO BE SUBMITTED TO THE CITY TRAFFIC ENGINEER. A LETTER MUST ACCOMPANY THE PROPOSED CHANGES AND INCLUDE REVISED PLAN SHEETS AND/OR DESIGN CALCULATIONS FOR REVIEW AND APPROVAL BY THE CITY TRAFFIC ENGINEER.

11. THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING THE GEOTECHNICAL (SOILS) REPORT. A PROFESSIONAL ENGINEER OR PROFESSIONAL GEOLOGIST SHALL SUBMIT A COMPLETE REPORT WITH BORING DATA AND RECOMMENDATIONS TO THE CITY FOR APPROVAL OF THE PROPOSED METHOD OF CONSTRUCTION. THIS REPORT SHALL BE IN CONFORMANCE WITH VOOT ROAD AND BRIDGE SPECIFICATION 700. THE REPORT WILL SHOW THE BORE LOCATIONS, TYPES OF SOILS ENCOUNTERED AND ANY RECOMMENDATIONS.

12. WHEN SOILS OCCUR THAT ARE UNSUITABLE FOR FOUNDATIONS, BACKFILL, OR OTHER WORK REQUIREMENT PURPOSES, THE DEVELOPER'S CONTRACTOR SHALL EXCAVATE SAID MATERIAL UNDER DIRECTION OF THE DEVELOPER'S SOILS ENGINEER BY UNDERCUTTING SUCH MATERIAL BELOW THE PROPOSED GRADES SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE DEVELOPER'S ENGINEER AND THE CITY TRAFFIC ENGINEER UPON DISCOVERY OF THE UNSUITABLE IN ACCORDANCE WITH CLEAR ZONE REQUIREMENTS, AS NOTED IN THE CURRENT MATERIAL, CONCURRENCE OF THE ENGINEER SHALL BE OBTAINED BEFORE ADDITIONAL WORK IS UNDERTAKEN.

13. ALL ERDSIDN AND SEDIMENT CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL EROSION CONTROL MEASURES WILL BE IN PLACE AND REVIEWED BY THE CONTRACTOR DAILY AND AFTER ALL INCLEMENT WEATHER TO INSURE COMPLIANCE FOR THE CONTROL OF ANY EROSION AND SILTATION, ANY CORRECTIONS OR REPAIRS WILL BE MADE IMMEDIATELY. IN ACCORDANCE WITH CITY OF SUFFOLK PFM (PUBLIC FACILITIES MANUAL), THE CITY REQUIRES AN INDIVIDUAL CERTIFIED BY THE VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION, HOLDING A RESPONSIBLE LAND DISTURBER CERTIFICATION TO BE IN CHARGE OF THE LAND DISTURBING ACTIVITY AND ON THE WORK SITE AT ALL TIMES.

14. THE CONTRACTOR AND SUBCONTRACTOR(S) SHALL HAVE A COPY OF THE CURRENT PROJECT STANDARDS AND SPECIFICATIONS AT THE SITE. THE CONTRACTOR SHALL HAVE AT LEAST DNE (1) SET OF APPROVED PLANS WITH ALL APPROVED REVISIONS. THE LAND USE PERMIT WILL BE AT THE SITE AT ALL TIMES.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES, WHETHER OR NOT THEY ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS AT THEIR EXPENSE FOR ANY UTILITIES DAMAGED BY THEIR CONSTRUCTION METHODS. MISS UTILITY MUST BE CONTACTED AT 1-800-552-7001 AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING, WITH MATCHING MATERIALS, ANY PAVEMENT, CURB AND GUTTER, DRIVEWAY PIPE, SIDEWALK, ETC. THAT ARE DAMAGED DURING THE CONSTRUCTION OF THE PROJECT.

17. CERTIFICATION AND SOURCE OF MATERIALS ARE TO BE SUBMITTED TO THE CITY TRAFFIC ENGINEER, ALL MATERIALS MUST MEET CITY OF SUFFOLK SPECIFICATIONS AND STANDARDS.

18. THE DEVELOPER'S GEOTECHNICAL ENGINEER AND/OR CERTIFIED MATERIALS TECHNICIANS WILL PERFORM COMPACTION (DENSITY) TESTS FOR REVIEW BY THE CITY OF SUFFOLK. ALL TESTS WILL BE PERFORMED IN ACCORDANCE WITH THE CURRENT PFM SPECIFICATIONS AND STANDARDS. BACKFILL MATERIAL FOR PIPE, STRUCTURES AND UTILITIES LOCATED WITHIN THE PROPOSED RIGHT OF WAY WILL BE COMPACTED AND TESTED AS THE FILL MATERIAL IS PLACED IN UNIFORM LIFTS. A MINIMUM OF 95% DENSITY WITH THE SOILS STANDARD PROCTOR WILL BE OBTAINED WITH THE PROPER MOISTURE CONTENT ON EMBANKMENT AND FILLS MATERIAL. FOR THE FINAL 6" OF THE FINISHED SUBGRADE, 100% DENSITY WILL BE DBTAINED. THE TEST RESULTS WILL BE SUBMITTED TO THE CITY OF SUFFOLK FOR REVIEW AND COMPLIANCE OF THE MATERIALS PRIOR TO THE DEVELOPER'S CONTRACTOR REQUESTING AN INSPECTION FOR A PROOF ROLL ON THE SUBGRADE, AGGREGATE STONE, BASE MIX (ASPHALT) OR THE PLACEMENT OF THE SURFACE MIX.

19. ALL TRAFFIC ENGINEERING EASEMENTS SHALL BE LABELED AS "TRAFFIC CONTROL EASEMENTS" AND SHALL BE DEDICATED TO THE CITY OF SUFFOLK.

20 ALL CONCRETE SHALL BE CLASS AS (3000PST WITH AIR ENTRAINED ADDITIVE) AND TESTED BY THE DEVELOPER'S GEOTECHNICAL ENGINEER FOR CONFORMANCE TO CITY OF SUFFOLK PFM SPECIFICATIONS AND STANDARDS.

21. THERE SHALL BE A MINIMUM OF 6" OF COMPACTED 21-B AGGREGATE MATERIAL OR STONE DEPTH SHALL MATCH THE EXISTING PAVEMENT TYPICAL UNDER THE CURB AND GUTTER; THIS MATERIAL SHALL EXTEND 1' BEYOND THE BACK OF THE CURB AND GUTTER. DENSITY TESTS SHALL BE TAKEN PRIOR TO A PROOF ROLL OF THE MATERIAL AND PLACEMENT OF THE CURB/CURB AND GUTTER. UNDERDRAINS WILL BE INSTALLED ON RAISED CURB MEDIANS IN ACCORDANCE WITH CURRENT CITY OF SUFFOLK PFM SPECIFICATIONS AND STANDARDS.

22. ALL STREETS WITH CURB AND GUTTER SHALL HAVE A STANDARD CG ENTRANCE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY PFM. THE CURB AND GUTTER PAN SHALL BE REMOVED PRIOR TO THE INSTALLATION OF THE ENTRANCE UNLESS A WIPE-DOWN OF THE CURB WAS MADE DURING THE INSTALLATION OF THE CURB AND GUTTER. THE SAW CUTTING AND REMOVAL OF ONLY THE CURB PORTION IS NOT ALLOWED. IT IS THE DEVELOPER'S RESPONSIBILITY TO INSURE THAT THE BUILDERS HAVE INSTALLED ALL CONCRETE ENTRANCES IN ACCORDANCE WITH CITY OF SUFFOLK SPECIFICATION AND STANDARDS.

23. ALL UNDERGROUND UTILITIES ARE TO BE IN PLACE PRIOR TO THE PLACEMENT OF THE BASE MATERIAL AND SHALL HAVE A MINIMUM COVERING OF 36". ON CURB AND GUTTER STREETS, THE AREA DIRECTLY BEHIND THE CURB TO THE RIGHT OF WAY LINE SHALL BE RELATIVELY FLAT AT THE PRIVATE ENTRANCE LOCATION. THE DEVELOPER'S CONTRACTOR SHOULD CUT EMBANKMENTS TO THE RIGHT OF WAY LINE PRIOR TO THE INSTALLATION OF ALL UNDERGROUND UTILITIES TO INSURE A MINIMUM 36" OF COVER.

24. ALL HOT MIX (ASPHALT) COURSES SHALL BE PLACED IN ACCORDANCE WITH CITY PFM. THE WEATHER LIMITATIONS OF A 40° F SURFACE TEMPERATURE OR 50° F AND RISING AIR TEMPERATURE SHALL BE FOLLOWED. THE DEVELOPER'S GEDTECHNICAL ENGINEER SHALL TEST THE MATERIAL TO INSURE COMPLIANCE WITH CURRENT PFM SPECIFICATION AND THE SUPPLIER'S JOB MIX DESIGN. THE DEVELOPER'S GEOTECHNICAL ENGINEER SHALL ALSO PERFORM A ROLLER PATTERN AND A CONTROL STRIP FOR THE THEORETICAL DENSITY (COMPACTION) OF THE MATERIAL IN CONFORMANCE WITH THE CURRENT CITY PFM SPECIFICATIONS.

25. ALL UTILITY CABINETS, PEDESTALS, AND STREETLIGHTS SHALL BE LOCATED PFM. THERE SHALL NOT BE ANY CABINETS, PEDESTALS, OR FIRE HYDRANTS LOCATED ON THE SHOULDER.

26. ALL STORM PIPE, DROP INLET STRUCTURES, DITCHES, AND CURB AND GUTTER SHALL BE CLEANED OF DEBRIS AND SILT DURING THE LAST STAGES OF CONSTRUCTION.

27. FLOWERS, SHRUBS, AND TREES SHALL NOT BE PLACED WITHIN THE PROPOSED RIGHT OF WAY BY THE DEVELOPER OR HOMEOWNER WITHOUT AN APPROVED SET OF PLANS AND/OR APPROVED PLANTING AGREEMENT. NO IRRIGATION (SPRINKLER) SYSTEMS SHALL BE LOCATED WITHIN THE PROPOSED R/W. ANY IRRIGATION SYSTEM FOUND WITHIN THE R/W WILL BE REMOVED PRIOR TO THE ACCEPTANCE OF THE STREETS AND ALL COSTS WILL BE BORNE BY THE OWNER. NO BRICK COLUMNS, ENDWALLS AND/OR BRICK MAILBOXES WILL BE CONSTRUCTED OR INSTALLED IN THE PROPOSED R/W. ANY OF THE ABOVE ITEMS FOUND IN THE PROPOSED R/W WILL BE REMOVED AND ALL COSTS OF REMOVAL WILL BE BORNE BY THE DWNER AND/OR DEVELOPER. THE DEVELOPER IS RESPONSIBLE FOR INSTALLING MAILBOX POSTS.

28, NO EASEMENTS SHALL ENCROACH UPON THE PROPOSED R/W, ANY EASEMENTS LOCATED WITHIN THE PROPOSED R/W MUST BE REMOVED FROM THE PLAT PRIOR TO RECORDATION OF THE PLAT. A DEED OF QUIT CLAIM WILL BE REQUIRED ON ANY EASEMENTS LOCATED WITHIN THE PROPOSED R/W PRIOR TO THE ACCEPTANCE OF THE STREETS INTO THE CITY ROAD SYSTEM.

29, CONTACT CITY TRAFFIC ENGINEER 72 HOURS IN ADVANCE OF ALL PAVEMENT MARKINGS/SIGN INSTALLATIONS AT (757) 514-7603, FAILURE TO DO SO MAY RESULT IN ADDITIONAL COST TO THE DEVELOPER.

30. CONTACT THE CITY TRAFFIC ENGINEER AT (757) 514-7603 A MINIMUM OF 48 HOURS IN ADVANCE WHENEVER AN OPEN CUT OR BORING OF A UTILITY LINE ACROSS A ROAD IS WITHIN 400 FEET OF A TRAFFIC SIGNAL SO THE LINES CAN BE MARKED, FAILURE TO DO SO COULD BE A COSTLY REPAIR FOR THE DEVELOPER,

31. TRAFFIC ON EXISTING ROADWAYS MUST BE MAINTAINED DURING CONSTRUCTION WHEN ANY WORK IS BEING PERFORMED WITHIN THE EXISTING RIGHT OF WAY. THE MAINTENANCE OF TRAFFIC PLAN FOR THIS WORK MUST BE IN CONFORMANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND ANY OTHER SPECIAL PROVISIONS LISTED IN THE CITY LAND USE PACKAGE FOR THIS SITE.

32. DURING CONSTRUCTION, THE OWNER/DEVELOPER SHALL RECORD ON A SET OF PLANS THE AS-BUILT LOCATIONS AND DIMENSIONS OF ALL TRAFFIC FACILITIES CONSTRUCTED. THE OWNER/DEVELOPER SHALL FURNISH THE TRAFFIC ENGINEER A COMPLETE SET OF REPRODUCIBLE DRAWINGS AND ELECTRONIC FILES IN A VERSION OF AUTOCAD NO OLDER THAN RELEASE 14 SHOWING THE AS-BUILT LOCATIONS AND DIMENSIONS. EACH SHEET SHALL BE MARKED "AS-BUILT" OR "RECORD DRAWINGS" AND DATED. ALL AS-BUILT INFORMATION SHALL BE "BLOCKED' OR "FRAMED" FOR IDENTIFICATION AS FINAL AS-BUILT INFORMATION. TRAFFIC FACILITIES SHALL BE LOCATED BY A DISTANCE MEASURED FROM THE CENTERLINE OF THE STREET, WHERE APPLICABLE, AND A DISTANCE OVER TO THE STRUCTURE, ALSO MEASURED FROM THE CENTERLINE OF THE STREET. A TOLERANCE OF TEN FEET (10') FOR DRAWINGS AT A SCALE OF TWENTY FEET (20') OR MORE AND FIVE FEET (5') FOR A DRAWING AT A SCALE LESS THAN TWENTY FEET (20') WILL BE ALLOWED FOR THE DRAWN LOCATION OF STRUCTURES, WHERE THE AS-BUILT LOCATION OF A STRUCTURE IS AT A GREATER DISTANCE THAN THAT INDICATED ABOVE FROM IT'S PLANNED LOCATION, THE STRUCTURE SHALL BE REDRAWN AT ITS

AS-BUILT LOCATION, ERASING OR HATCHING OUT THE STRUCTURE AT ITS PLANNED

LOCATION.

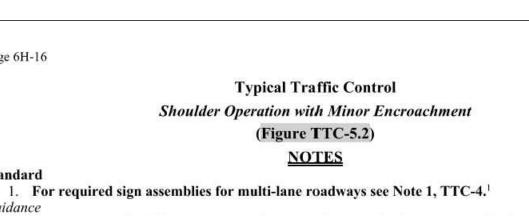
September 2019

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Standard

Guidance

Option:



September 2019

Page 6H-17

2. Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 500'-800' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.

3. When work takes up part of a lane on a high volume roadway; vehicular traffic volumes, vehicle mix, speed and capacity should be analyzed to determine whether the affected lane should be closed. Unless the lane encroachment analysis permits a remaining lane width of 10 feet, the lane should be closed. If the closure operation is on a Limited Access highway, the minimum lane width is 11 feet.

4. The ROAD WORK AHEAD (W20-1) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area. Standard:

5. A shadow vehicle with either an arrow board operating in the caution mode, or at least one highintensity amber rotating, flashing, or¹ oscillating light shall be parked 80' - 120' in advance of the first work crew.

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity amber rotating, flashing, or 1 oscillating lights. Vehicle hazard warning signals can be used to supplement high-intensity amber rotating, flashing, or¹ oscillating lights. 7. Taper length (L) and channelizing device spacing shall be at the following:

Speed	Lane Width (Feet)			0.00 045	Speed	Lane Width (Feet)				100 Mar	
Limit (mph)	9	10	11	12	Remarks	Limit (mph)	9	10	11	12	Remarks
25	95	105	115	125	L=S ² W/60	50	450	500	550	600	L=SW
30	135	150	165	180	L=S ² W/60	55	495	550	605	660	L= SW
35	185	205	225	245	L=S ² W/60	60	540	600	660	720	L=SW
40	240	270	295	320	L=S ² W/60	65	585	650	715	780	L=SW
45	405	450	495	540	L=SW	70	630	700	770	840	L=SW

taper for posted speeds < 65 mph and a 1000' shifting taper for posted speeds > 65 mph.² Shoulder Taper = 1/2 L Minimum

8. Channelizing device spacing shall be at the following:

Location	Speed (m)	l Limit ph)	Location	Speed Limit (mph)		Location Spacing	Speed Limit (mph)	
Spacing	0 -35	36 +	Spacing	0 -35	36 +		0 -35	36 +
Transition	20'	40'	Travelway	40'	80'	*Construction Access	80'	120'

9. On roadways with paved shoulders having a width of 8 feet or more, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.²

10. The buffer space length The buffer space length shall be as shown in Table 6H-3 on Page 6H-5 for the posted speed limit. 11. A truck-mounted attenuator (TMA) shall be used on Limited Access highways and multi-lane

roadways with posted speed limit equal to or greater than 45 mph. 12. When a side road intersects the highway within the temporary traffic control zone, additional traffic control devices shall be placed as needed.

Shoulder Operation with Minor Encroachment

1: Revision 1 - 4/1/2015

2: Revision 2 - 9/1/2019

