PRELIMINARY & FINAL MAJOR SITE PLANS, SUBDIVISION PLAN & SIGN WAIVERS PHASE 1 & PRELIMINARY MAJOR SITE PLAN PHASE 2

_____ FOR _____

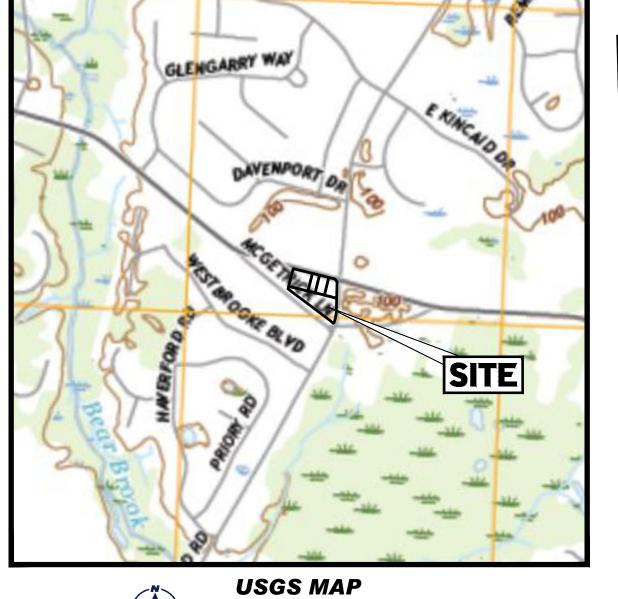
ER/UDC WEST WINDSOR LLC

PROPOSED

QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU

MAP 23.03 BLOCK 47 LOT 2-6

332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR, MERCER COUNTY, NEW JERSEY





PROPERTY OWNERS LIST

OWNER

4, HENJOCON, LLC, 61
CANBROOK RD, HAMILTON
SQUARE, NJ 08690
WWM PROP., LLC
CHARLESTOWN CTR, 1260
STELTON RD,
PISCATAWAY, NJ 08854
WWM PROP., LLC
CHARLESTOWN CTR, 1260
STELTON RD,
PISCATAWAY, NJ 08854
WWM PROP., LLC
CHARLESTOWN CTR, 1260
STELTON RD,
PISCATAWAY, NJ 08854
WWM PROP., LLC
CHARLESTOWN CTR, 1260
STELTON RD,
PISCATAWAY, NJ 08854
SWEST WINDSOR TOWNSHIP,
PO BOX 38, 271
CLAPKSVILLE ROAD WEST

BLOCK
47
47
4 STANLEY S
338 HIGHTS
STD. ND
STELTON RD
WINDSOR, I
SUMMARY
STENDARD
WEST WINDSOR TOWNSHIP,
PO BOX 38, 271

PISCATAWAY, NJ 0885

WINDSOR, NJ 08550

CLARKSVILLE
ROAD, WEST
WINDSOR, NJ 08550

ALSO TO BE NOTIFIED:

COMCAST, MONMOUTH CLUSTER, 751 BRICK BLVD.,
BRICK, NJ 08723

NJ AMERICAN WATER COMPANY INC., GIS SUPERVISOR,
1 WATER STREET, CAMDEN, NJ 08102-1658

WINDSOR, NJ 08550

CLARKSVILLE
ROAD, WEST
WINDSOR, NJ 08550

ALSO TO BE NOTIFIED:

MERCER COUNTY DEPT. OF TRANSPORTATION, 640 S.
BROAD ST., ADMIN. BLDG, ROOM 301, TRENTON, NJ 08650

VERIZON-NJ C/O WIRELINE ENGINEERING, 999 W. MAIN ST.
FLR2. FREEHOLD, NJ 07728

JCP8L REAL ESTATE, PO BOX 1911.

BUILDING PERMIT BLOCK

I HEREBY CERTIFY THAT A BOND HAS BEEN P THE REQUIRED IMPROVEMENTS IN COMPLIA APPLICABLE CODES AND ORDINAL	NCE WITH ALL
TOWNSHIP CLERK	DATE
BUILDING PERMIT ISSUED	DATE

PAYMENT VERIFICATION BLOCK

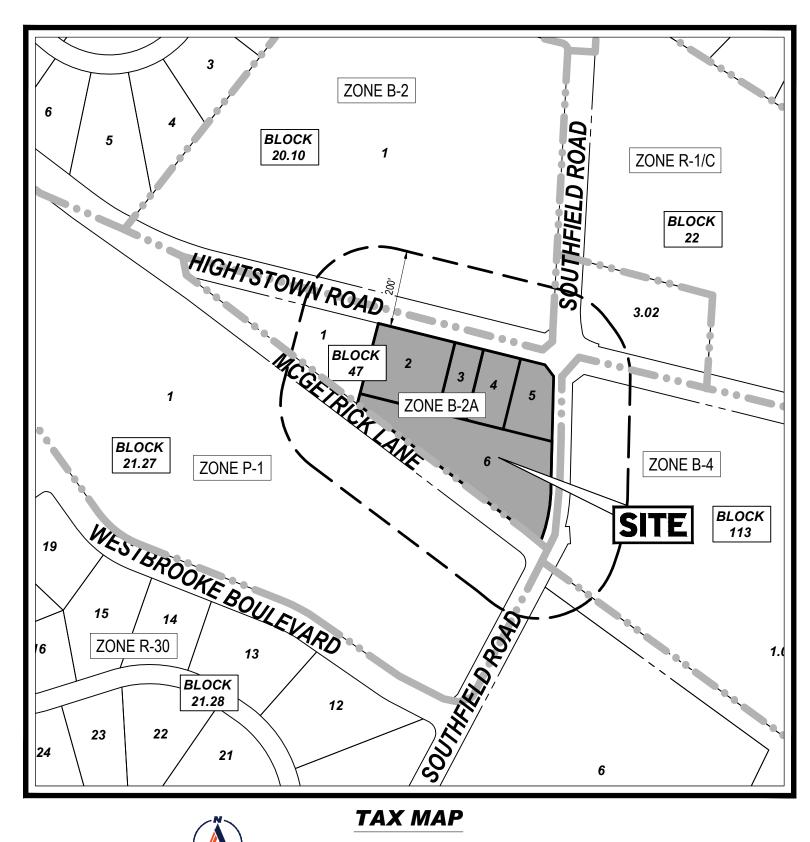
VERIFICATION THAT PAYMENT ASSESSMENTS	
TOWNSHIP CLERK	DATE

HEALTH OFFICER APPROVAL BLOCK

	APPROVED BY HEALTH OFFICER	
CHAIRMAN		DATE

EXPIRATION OF APPROVAL BLOCK





SCALE: 1" = 250'

SOURCE: MERCER COUNTY TAX MAPS

SCALE: 1" = 250' SOURCE: NEARMAP

AERIAL MAP

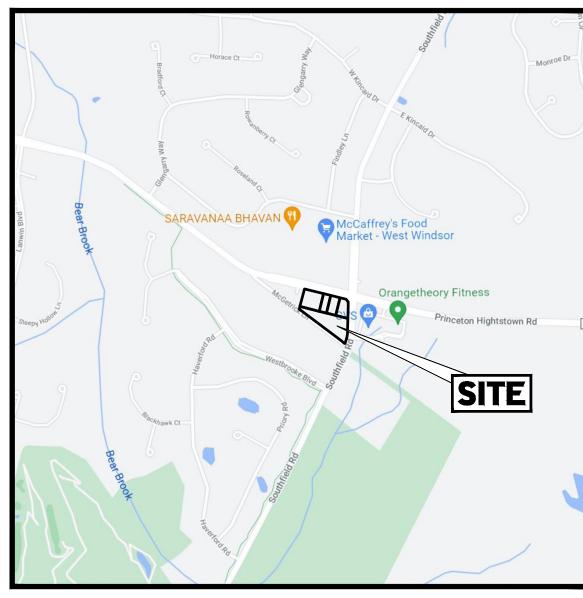
PREPARED BY



APPLICATION INFORMATION

PROPOSED LOT 1: PRELIMINARY & FINAL MAJOR SITE PLAN FOR
PROPOSED QUICKCHEK FOOD STORE WITH FUEL
SALES (PHASE 1)

PROPOSED LOT 2: PRELIMINARY MAJOR SITE PLAN FOR PROPOSED
RESTAURANT WITH DRIVE-THRU (PHASE 2)





KEY MAP

SCALE: 1" = 1000' SOURCE: GOOGLE MAPS

DRAWING SHEET INDEX

SHEET TITLE	NUMBER
COVER SHEET	C-101
NOTES AND REFERENCES SHEET	C-102
DEMOLITION PLAN	C-201
SITE LAYOUT PLAN	C-301
PHASING PLAN	C-302
GRADING PLAN	C-401
ADA DETAIL SHEET	C-402-C-403
DRAINAGE PLAN	C-404
UTILITIES PLAN	C-501
SOIL EROSION & SEDIMENT CONTROL PLAN	C-601
SOIL EROSION & SEDIMENT CONTROL DETAILS	C-602
LANDSCAPE PLAN	C-701
LANDSCAPE NOTES & DETAILS	C-702
TREE REMOVAL PLAN	C-703
TREE REMOVAL CHARTS	C-704
LIGHTING PLAN	C-705
MCGETRICK LANE PROFILE PLAN	C-801
DETAIL SHEET (A-I)	C-901-C-909
OFF-SITE PAVEMENT MARKING & SIGNAGE (BY ATLANTIC	
TRAFFIC DESIGN ENGINEERS)	PLAN 1 OF 3
MCGETRICK LANE PROFILE STA. 10+50 - 19+00 (BY ATLANTIC TRAFFIC DESIGN ENGINEERS)	PLAN 2 OF 3
CROSS SECTIONS STA. 11+00 - 18+00 (BY ATLANTIC TRAFFIC DESIGN ENGINEERS)	PLAN 3 OF 3
ALTA/NSPS LAND TITLE SURVEY (BY CONTROL POINT ASSOCIATES, INC.)	1 OF 1
PRELIMINARY & FINAL MAJOR SUBDIVISION PLAT (BY CONTROL POINT ASSOCIATES, INC.)	1 OF 1

PLANNING BOARD APPROVAL BLOCK

APPROVED BY THE PLANNING BOARD	DATE
FINAL APPROVAL	DATE
CHAIRMAN	DATE
SECRETARY	DATE

OWNER CONSENT

I CONSENT TO THE FILING OF THIS SITE PLAN WITH THE WEST WINDSOR TOWNSHIP PLANNING BOARD.

OWNER

DATE

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

REVISIONS REV DATE COMMENT DRAW CHECK CHECK 1 03/09/2022 REV. PER DRCC COMMENTS CF 2 12/05/2022 REV. PER TOWNSHIP COMMENTS TOWNSHIP COMMENTS 3 02/21/2023 REV. PER TOWNSHIP COMMENTS ME 4 04/12/2023 REV. PER TOWNSIP COMMENTS ME 5 09/18/2023 REV. PER COUNTY ROW IMPROVEMENTS TOWNSHIP 6 14/07/2023 REV. PER TOWNSHIP M.



Know what's below.

Call before you d

NEW JERSEY

ISSUED FOR MUNICIPAL 8

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:

J190844

DRAWN BY:

CPR

CHECKED BY:

TXL

DATE:

11/04/2021

CAD I.D.:

J190844-COVR-7A

PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN

ER/UDC WEST WINDSOR LLC

WINDSOR LLC
PROPOSED QUICKCHEK FOOD
STORE WITH FUEL SALES AND
RESTAURANT WITH DRIVE-THRU

MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

BOHLER /

30 INDEPENDENCE BLVD., SUITE 20
WARREN, NJ 07059
Phone: (908) 668-8300
Fax: (908) 754-4401
www.BohlerEngineering.com

T. LAM

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 47863
NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024 PENNSYLVANIA LICENSE No. 76746

FT TITI F

COVER SHEET

C-101

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 AND BOHLER 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

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

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 AND BOHLER, 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 BUSINEER OF RECORD AND BOHLER, 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 AND BOHLER WRITTEN NOTIFICATION OF SAME AND (B) ENGINEER OF RECORD AND BOHLER, THEREAFTER, PROVIDING THE CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH

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.

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.

1. 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 AND BOHLER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORT AND PLANS AND SPECIFICATIONS, PRIOR TO PROCEEDING WITH ANY FURTHER WORK. IF 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, ILIBISDICTION OVER THIS PROJECT.

ENGINEER OF RECORD AND BOHLER ARE 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.
 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.

15. 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.
 17. 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 EQUIPMENT 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 CONSTRUCTION.

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.

1. THE CONTRACTOR MUST IMMEDIATELY IDENTIFY IN WRITING, TO THE ENGINEER OF RECORD AND BOHLER, ANY DISCREPANCIES THAT MAY OR

THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR AND HAVE NO CONTRACTUAL, LEGAL OR OTHER RESPONSIBILITIES FOR JOB

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 INDEMNIFY 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.

1. 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 SED TO NAME BOHLER, OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES. AFFILIATES, SURSIDIARIES, AND RELATED ENTITIES, AND ITS SURCONTRACTORS AND SURCONSULTANTS AS ADDITIONAL NAMED INSUREDS AND TO PROVIDE CONTRACTUAL LIARIUTY COVERAGE SUFFICIENT TO INSURE (DEFEND. IF APPLICABLE) AND HOLD HARMLESS AND INDEMNITY ORLIGATIONS. 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 LINDER THE LAW INDEMNIEY 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

2. 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.

3. 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 (HERRIN "BOHLER PARTIES"), RELIEVES OR WILL RELIEVE THE CONTRACTOR OF AND FROM 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 PARTIES 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 PARTIES FOR AND FROM ANY LIABILITY TO BOHLER PARTIES RESULTING FROM THE CONTRACTOR'S WORK SERVICES AND FUND AT HIS NOTE THESE NOTES OR ANY NOTES IN THE PLAN SET AND FURTHER THE

TERMINATION. SUSPENSION OR CHANGE OF ITS INSURANCE HEREUNDER.

CONTRACTOR MUST NAME BOHLER AS AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE.

I. 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 BOHLER HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR MUST, IN WRITING, PROMPTLY AND IMMEDIATELY

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 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,

BRING ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS TO BOHLER'S ATTENTION. BOHLER IS NOT REQUIRED TO REVIEW PARTIAL

PENALTIES AND THE LIKE RELATED TO SAME.

26. THE CONTRACTOR IS RESPONSIBLE FOR A MAINTAINING AND PROTECTING THE TRAFFIC CONTROL PLAN AND ELEMENTS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS, FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE 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.

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 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 BOHLER INCUR AS A RESULT OF SAID FAILURE OR FAILURE TO PRESERVE.

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 MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.

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 RESPONSIBILITY FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES AND WORK.

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 BOHLER PARTIES HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.

31. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AN ON-SITE STORMWATER POLLUTION 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 RESPONSIBLE FOR FAILING TO DO SO.

32. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED DOCUMENTS PREPARED BY THE ENGINEER OF RECORD AND BOHLER, THE USE OF THE WORDS 'CERTIFY' OR 'CERTIFICATION' CONSTITUTE(S) AN EXPRESSION ONLY OF PROFESSIONAL OPINION REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE ENGINEER OF RECORD'S AND BOHLER 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

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.

4. 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.

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.

5. 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.

6. ENGINEER OF RECORD AND 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.

7. 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 BOHLER, IN WRITING AND MUST ADDRESS ALL ISSUES AND ITEMS RESPONDED TO, BY THE ENGINEER OF RECORD AND 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.

E. 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.
I. 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 CASE ALL WORK IN THE AREA OF DISCOVERY, AND IMMEDIATELY NOTIFY, IN WRITING AND VERBALLY, THE

COMPLIANT REMOVAL OF SAME.

11. 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

OWNER AND ENGINEER OF RECORD AND BOHLER, THE DISCOVERY OF SUCH MATERIALS TO PURSUE PROPER AND

STRUCTURAL OR GEOTECHNICAL ENGINEER.

12. 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.

3. 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.

14. 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.

MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES AND THE LIKE.

15. 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.

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.

17. 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

: PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE

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.

18. 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 CONTRACTOR'S SOLE COST.

ACCESSIBILITY DESIGN GUIDELINES (Rev. 1/2020)

1. ALL ACCESSIBLE (A.K.A. ADA) COMPONENTS AND ACCESSIBLE ROUTES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE 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 BOTH, WHICH ARE IN EFFECT WHEN THESE PLANS WERE COMPLETED.

THE CONTRACTOR MUST REVIEW ALL DOCUMENTS REFERENCED IN THESE NOTES FOR ACCURACY, COMPLIANCE AND
CONSISTENCY WITH INDUSTRY GUIDELINES.
 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 TO THE FOLLOWING:

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 THAN 1:2. NO VERTICAL CHANGES OVER 1/4-INCH ARE PERMITTED

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 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%).

ACCESSIBLE RAMPS MUST NOT EXCEED A SLOPE OF 1:12 (8.3%) AND A RISE OF 30-INCHES, LEVEL LANDINGS MUST BE

DOORWAY LANDINGS AREAS MUST BE PROVIDED ON THE EXTERIOR SIDE OF ANY DOOR LEADING TO AN ACCESSIBLE PATH OF 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 BY ACCESSIBLE STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2009 AND OTHER REFERENCES INCORPORATED BY CODE).
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 ITS SHOWN ON THE PLANS BEFORE COMMENCING ANY WORK.

CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ACCESSIBLE GUIDELINES.

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 CONSISTENT WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCING CONSTRUCTION.
 ANY WORK PROPOSED IN THE STATE OF NEW JERSEY MUST CONFORM TO THE NJ UNIFORM CONSTRUCTION CODE SUBCHAPTER 7. BARRIER-FREE ACCESS.

SITE LAYOUT NOTES

ENGINEER OF RECORD. IN WRITING.

GUIDELINES, RULES, REGULATIONS, STANDARDS AND THE LIKE.

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. PRIOR TO THE COMMENCEMENT OF GENERAL CONSTRUCTION, THE CONTRACTOR MUST INSTALL SOIL EROSION 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 TO PREVENT SEDIMENT AND/OR LOOSE DEBRIS FROM WASHING ONTO ADJACENT PROPERTIES OR THE RIGHT OF WAY.

3. 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.

1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT.

4. 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
RELOCATION OF TRAFFIC SIGNS WITH THE ENTITY WITH JURISDICTION OVER THE PROJECT.

5. 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

ACCORDANCE WITH THE DETAILS, UNLESS NOTED CLEARLY OTHERWISE.

6. WHEN APPLICABLE, OWNER/ OPERATOR MUST FILE THE NOI FOR NPDES PERMITS AT APPROPRIATE AND/OR REQUIRED TIMEFRAMES BASED UPON THE DESIRED START OF CONSTRUCTION. LAND DISTURBING ACTIVITIES MUST NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED FROM GOVERNING AUTHORITIES (INCLUDING STORMWATER POLLUTION PREVENTION PLAN, PER NJDEP REQUIREMENTS). THE CONTRACTOR MUST STRICTLY ADHERE TO THE APPROVED SWPPP PLAN DURING

CONSTRUCTION OPERATIONS (IF PROVIDED).

7. ALL WEATHERED CONCRETE MUST BE AIR ENTRAINED AND INCLUDE THE MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.

8. THE CONTRACTOR MUST REPAIR OR REPLACE, AT THE CONTRACTOR'S SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, AND PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES WHETHER SPECIFIED ON THIS PLAN OR NOT.

GRADING 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.
 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

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.

3. THE CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE

(Rev. 2/2021)

ASTM F477

(Rev. 1/2020)

REQUIRED BY THE JURISDICTIONAL GAS PURVEYOR

MATERIAL SOURCES AND DISPOSAL FACILITIES. THE CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO THE ENGINEER OF RECORD AND THE OWNER PRIOR TO THE CONTRACTOR COMMENCING ANY WORK.

4. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT 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

5. 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 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 (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.

6. IN THE EVENT OF A DISCREPANCY(IES) AND/OR A CONFLICT(S) BETWEEN PLANS. OR RELATIVE TO OTHER PLANS. THE GRADING

PLAN TAKES PRECEDENCE AND CONTROLS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF ANY DISCREPANCY(IES) AND/OR CONFLICT(S).

7. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL AS NECESSARY TO CONFORM TO THE PROPOSED GRADING. AND TO BACKFILL EXCAVATIONS FOR THE INSTALLATION OF UNDERGROUND IMPROVEMENTS.

PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE PAVEMENT GRADE UNLESS OTHERWISE NOTED. IT IS THE
CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE ENGINEER OF RECORD APPROVES FINAL CURBING CUT SHEETS PRIOR
TO INSTALLING CURBING.
 THE CONTRACTOR MUST CONFIRM AND ENSURE THAT AS CONSTRUCTED IMPROVEMENTS CREATE THE FOLLOWING MINIMUM
SLOPES (EXCEPT WHERE ADA REQUIREMENTS LIMIT THEM): 1.0% ON ALL CONCRETE SURFACES, 1.5% ON ASPHALT SURFACES,
2% IN LANDSCAPED AREAS AND 0.75% SLOPE AGAINST ALL ISLANDS. GUTTERS. AND CURBS TO PROVIDE POSITIVE DRAINAGE.

10. WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL ELEVATIONS (TW & BW) REPRESENT THE PROPOSED FINISHED GRADE AT THE FACE OF WALL AND DO NOT REPRESENT THE ELEVATION OF THE PROPOSED WALL (INCLUDING THE CAP UNIT OR FOOTING). WALL FOOTINGS/FOUNDATION ELEVATIONS WHICH ARE NOT IDENTIFIED HEREIN AND ARE TO BE SET/DETERMINED BY THE CONTRACTOR, MUST BE DETERMINED AND SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS. THE CONTRACTOR MUST ENSURE THAT LICENSED STRUCTURAL ENGINEER DESIGNS ALL WALLS SHOWN HEREON AND THAT PRIOR TO CONSTRUCTION, THE MUNICIPALITY APPROVES ALL SIGNED AND SEALED SHOP DRAWINGS. FURTHER, THE CONTRACTOR MUST ENSURE THAT FENCING, GUIDERAIL, UTILITIES, AND OTHER SITE AMENITIES IN THE VICINITY OF THE RETAINING WALL (S), PROPOSED SCHEMATICALLY IN THESE PLANS, ARE MATERIALLY CONSIDERED AND INCORPORATED INTO THE RETAINING WALL DESIGN (BY

EXCAVATION MAY BE PERFORMED ON THE PASSIVE SIDE OF THE RETAINING WALL WITHOUT APPROPRIATELY AND SAFELY SUPPORTING THE WALL IN ACCORDANCE WITH THE STANDARD OF CARE AND ALL APPLICABLE RULES, REGULATIONS, CODES, ORDINANCES, LAWS AND STATUTES.

THE CONTRACTOR MUST ENSURE THAT THERE ARE NO LITH ITIES INSTALLED ON THE PASSIVE SIDE OF THE RETAINING WALL NO

LIGHTING 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 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 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.

I. 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).
 I. 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 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.
 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.
 THE ACTUAL LIGHTING LEVELS MUST BE VERIFIED IN THE FIELD AND FIXTURES ADJUSTED ACCORDINGLY, BY THE CONTRACTOR, TO ACHIEVE THE APPROVED LIGHT LEVELS.

ILLUMINATION LEVELS SHOWN ON THE PLAN HAVE BEEN CALCULATED FOR PROPOSED LIGHTS ONLY. ACTUAL ILLUMINATION LEVELS IN THE FIELD MAY DIFFER FROM THOSE DEPICTED ON THE PLAN DUE TO INTERFERENCE FROM EXISTING/AMBIENT LIGHTS WHOSE ILLUMINATION LEVELS ARE NOT REFLECTED ON THIS PLAN.
 NEW JERSEY ATM LIGHTING NOTE:

13. NEW JERSEY ATM LIGHTING NOTE:
BASED ON THE REGULATORY LIGHTING LEVELS INTENDED BY PUBLISHED STANDARDS FOR BANK ATM'S (N.J.S.A. 17:16K-10), A
MINIMUM OF 10 FOOT-CANDLES AT 3 FEET ABOVE GRADE MUST BE PROVIDED AT THE FACE OF AN UNENCLOSED ATM AND
EXTENDING IN AN UNOBSTRUCTED DIRECTION OUTWARD 5 FEET. A MINIMUM OF 2 FOOT-CANDLES AT 3 FEET ABOVE GRADE
MUST BE PROVIDED WITHIN 50 FEET IN ALL UNOBSTRUCTED DIRECTIONS FROM THE FACE OF THE ATM OR THE ENTRANCE OF AN
ATM FACILITY, IN THE EVENT ANY SUCH ATM OR ATM FACILITY IS LOCATED WITHIN 10 FEET OF THE CORNER OF THE BUILDING IN
WHICH IT IS LOCATED AND THE ATM OR ATM FACILITY IS GENERALLY ACCESSIBLE FROM THE ADJACENT SIDE OF SUCH BUILDING,
THERE MUST BE A MINIMUM OF 2 FOOT-CANDLES AT 3 FEET ABOVE GRADE ALONG THE FIRST 40 UNOBSTRUCTED FEET OF THE
ADJACENT SIDE OF THE BUILDING, MEASURED FROM THE CORNER. A MINIMUM OF 2 FOOT-CANDLES AT 3 FEET ABOVE GRADE
MUST BE PROVIDED IN THAT PORTION OF THE DEFINED PARKING AREA WITHIN 60 FEET OF AN ATM OR THE ENTRANCE TO AN
ATM FACILITY

14. ILLUMINATION LEVELS SHOWN ON THE PLAN WERE CALCULATED WITH LIGHTING DESIGN SOFTWARE AGI32 BY LIGHTING ANALYST.

INFILTRATION/DETENTION BASIN PERMEABILITY TESTING REQUIREMENTS

AFTER THE INFILTRATION/ DETENTION BASIN SUBGRADE HAS BEEN ESTABLISHED AND AFTER THE FINISHED GRADE HAS BEEN ESTABLISHED IN THE INFILTRATION/ DETENTION BASIN, POST- CONSTRUCTION FIELD PERMEABILITY TESTS SHALL BE CONDUCTED. THE FIELD PERMEABILITY TESTS SHALL BE CONDUCTED ACCORDING TO THE METHODOLOGIES PROVIDED IN THIS NOTE. PERMEABILITY TESTS SHALL BE CONDUCTED BY THE GEOTECHNICAL ENGINEER OF RECORD OR HIS REPRESENTATIVE WITHIN THE FOOTPRINT OF THE PROPOSED INFILTRATION/ DETENTION BASIN TO DETERMINE THE SUITABILITY OF THE IN-PLACE SOIL AT THE SITE. SOIL PERMEABILITY TESTS SHALL BE CONDUCTED ON THE SUBSTRATUM TO BE LEFT IN PLACE BELOW THE BASIN WITHIN TWO FEET OF THE LOWEST ELEVATION OF THE BASIN BOTTOM. WHERE SOIL REPLACEMENT IS PROPOSED, THE PERMEABILITY TESTS SHALL BE CONDUCTED WITHIN THE SOIL IMMEDIATELY BELOW THE DEPTH OF PROPOSED SOIL REPLACEMENT LAYER.

A MINIMUM OF TWO (2) PERMEABILITY TESTS SHALL BE PERFORMED, AND THE SOIL PERMEABILITY RATE SHALL BE DETERMINED USING TEST METHODOLOGY AS PRESCRIBED IN N.J.A.C. 7:9A-6.2 (TUBE PERMEAMETER TEST), 6.5 (PIT BAILING TEST) OR 6.6 (PIEZOMETER TEST). WHEN THE TUBE PERMEAMETER TEST IS USED, A MINIMUM OF TWO REPLICATE SAMPLES SHALL BE TAKEN AND TESTED. ALTERNATIVE PERMEABILITY TEST PROCEDURES MAY BE ACCEPTED BY THE APPROVING AUTHORITY PROVIDED THE TEST PROCEDURE ATTAINS SATURATION OF SURROUNDING SOILS, ACCOUNTS FOR HYDRAULIC HEAD EFFECTS ON INFILTRATION RATES, PROVIDES A PERMEABILITY RATE WITH UNITS EXPRESSED IN INCHES PER HOUR AND IS ACCOMPANIED BY A PUBLISHED SOURCE REFERENCE. EXAMPLES OF SUITABLE SOURCES INCLUDE HYDROGEOLOGY, GEOTECHNICAL OR ENGINEERING TEXT AND DESIGN MANUALS, PROCEEDINGS OF AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) SYMPOSIA, OR PEER-REVIEW JOURNALS. NEITHER A SOIL PERMEABILITY CLASS RATING TEST, AS DESCRIBED IN N.J.A.C. 7:9A-6.4, ARE ACCEPTABLE TESTS FOR ESTABLISHING PERMEABILITY VALUES FOR THE PURPOSE OF COMPLYING WITH THIS NOTE.

IF THE AVERAGE TEST RESULTS OF THE POST-DEVELOPMENT FIELD PERMEABILITY TESTS FAIL TO ACHIEVE THE MINIMUM REQUIRED DESIGN PERMEABILITY RATES, THE STORMWATER INFILTRATION/ DETENTION BASIN BOTTOM SOILS SHALL BE RENOVATED BY THE CONTRACTOR BY THE GEOTECHNICAL ENGINEER OF RECORD AND RE-TESTED UNTIL SUCH MINIMUM REQUIRED DESIGN PERMEABILITY RATES ARE ACHIEVED.

DRAINAGE AND UTILITY 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.
 LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE, 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

(Rev. 2/2021)

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.

4. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND LITTLE THE SPALLSING A TEST BIT TO CONFIDM EXACT DEPTH. PRIOR TO COMMENCEMENT OF 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.

7. 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 COMPLY WITH APPLICABLE REQUIREMENTS AND SPECIFICATIONS. ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR DESIGN OF TRENCH BACKFILL OR FOR COMPACTION REQUIREMENTS

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 APPROPRIATE PLAN(S), WHICH THE CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER IMMEDIATELY UPON THE COMPLETION OF WORK.

9. 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.

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 STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
 THE CONTRACTOR'S PRICE FOR WATER SERVICE MUST INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE

UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE.

14. SEWERS CONVEYING SANITARY FLOW, COMBINED SANITARY AND STORMWATER FLOW, OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPES MUST BE IN SEPARATE TRENCHES WITH THE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENTAL AGENCY WITH JURISDICTION OVER SAME. WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE

SUPPORT FOR THE SEWER MUST BE PROVIDED.

15. WHEN THESE PLANS INVOLVE MULTIPLE BUILDINGS, SOME OF WHICH MAY BE BUILT AT A LATER DATE, THE CONTRACTOR MUST EXTEND ALL LINES, INCLUDING BUT NOT LIMITED TO STORM, SANITARY, UTILITIES, AND IRRIGATION LINES, TO A POINT AT LEAST FIVE (5) FEET BEYOND THE PAVED AREAS FOR WHICH THE CONTRACTOR IS RESPONSIBLE. THE CONTRACTOR MUST CAP ENDS AS APPROPRIATE, MARK LOCATIONS WITH A 2X4 STAKE, AND MUST NOTE THE LOCATION OF ALL OF THE ABOVE ON A CLEAN COPY OF THE PLAN, WHICH THE CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER IMMEDIATELY UPON THE COMPLETION

AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER. ADEQUATE STRUCTURAL

OF WORK.

16. STORM AND SANITARY PIPE LENGTHS INDICATED ARE NOMINAL AND ARE MEASURED FROM CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE.

17. THE CONTRACTOR MUST NOTIFY, IN WRITING, THE ENGINEER OF RECORD AT LEAST THREE (3) BUSINESS DAYS PRIOR TO

INSTALLATION OF SANITARY COMPONENTS. FAILURE TO HAVE SANITARY INSTALLATION AND TESTING OBSERVED BY THE DESIGNATED ENGINEER MAY REQUIRE RE-EXCAVATION OF SANITARY LINE, AND RE-TESTING, WHICH WILL BE DONE AT THE CONTRACTOR'S SOLE COST AND EXPENSE.

18. SEWERS CROSSING STREAMS AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS

SO INDICATE, MUST BE CONSTRUCTED OF REINFORCED CONCRETE, DUCTILE IRON OR OTHER SUITABLE MATERIAL.

19. SANITARY PIPE MUST BE POLYVINYL CHLORIDE (PVC) SDR 35 EXCEPT WHERE CLEARLY INDICATED OTHERWISE.

A. FOR PIPES LESS THAN 12 FEET DEEP: POLYVINYL CHLORIDE (PVC) SDR 35 PER ASTM D3034.

B. FOR PIPES GREATER THAN 12 FEET DEEP: POLYVINYL CHLORIDE (PVC) SDR 26 PER ASTM D3034.

C. SANITARY LATERAL MUST BE PVC SCHEDULE 40 OR PVC SDR 26 UNLESS CLEARLY INDICATED OTHERWISE.

19. UNLESS CLEARLY INDICATED OTHERWISE, ALL STORM PIPES MUST BE REINFORCED CONCRETE PIPES (RCP) CLASS III WITH SILT/SOIL TIGHT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS, IT MUST CONFORM TO AASHTO M252 FOR PIPES 4" TO 10" AND TO AASHTO M294 FOR PIPES 12" TO 60" AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT/SOIL TIGHT JOINT. PIPE FOR ROOF DRAIN CONNECTION MUST BE HDPE SDR 26 OR PVC SCHEDULE 40 UNLESS INDICATED OTHERWISE. HDPE PIPE JOINT GASKETS MUST BE PROVIDED AND CONFORM TO

WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER COMPANY. IN THE ABSENCE OF SUCH REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION.
 GAS METERS MUST BE PROTECTED BY BOLLARDS AND FENCES IF INSTALLED WITHIN THE EXTERIOR OF THE BUILDING AS

REFERENCES

REFERENCES ALTA/NSPS LAND TITLE SURVEY: CONTROL POINT ASSOCIATES, INC. 30 INDEPENDENCE BLVD., SUITE 100

WARREN, NJ 07059 DATED: 07/07/22 (REV. 6) SURVEY #01-190482-00 ELEVATIONS: NAVD 1983

◆ PRELIMINARY & FINAL MAJOR
SUBDIVISION PLAT:
CONTROL POINT ASSOCIATES, INC.
30 INDEPENDENCE BLVD., SUITE 100
WARREN, NJ 07059
DATED: 10/20/22 (REV. 1)
SURVEY #01-190482-00

◆ ARCHITECTURAL PLAN:
GK+A ARCHITECTS, PC
36 AMES AVENUE
RUTHERFORD, NJ 07070
DATED: 01/11/24 (REV. 4)

ELEVATIONS: NAVD 1983

◆STORMWATER INVESTIGATION:

MELICK-TULLY & ASSOCIATES

117 CANAL ROAD

SOUTH BOUND BROOK, NJ 08880

DATED: 08/30/21

◆SUPPLEMENTAL STORMWATER

INVESTIGATION:

GZA GEOENVIRONMENTAL INC.

117 CANAL ROAD

SOUTH BOUND BROOK, NJ 08880

DATED: 07/12/22

◆LEFT TURN LANE EXTENSION:
DOLAN & DEAN CONSULTING ENGINEERS, LLC
181 WEST HIGH STREET
SOMERVILLE, NJ 08876
DATED: 08/23/2023

BOHLER ENGINEERING NJ, LLC 30 INDEPENDENCE BLVD, STE 200 WARREN, NJ 07059 DATED: NOV. 2021, REVISED NOV. 2023

STORMWATER MANAGEMENT REPORT:

◆ OPERATIONS & MAINTENANCE MANUAL: BOHLER ENGINEERING NJ, LLC 30 INDEPENDENCE BLVD, STE 200

DATED: NOV. 2021, REVISED NOV. 2023

OR DERIVED FROM THESE DOCUMENTS, BY OTHERS.

WARREN, NJ 07059

THE ABOVE REFERENCED DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THESE PLANS, HOWEVER, BOHLER ENGINEERING DOES NOT CERTIFY THE ACCURACY OF THE WORK REFERENCED



SITE CIVIL AND CONSULTIN
LAND SURVEY
PROGRAM MANAG
LANDSCAPE ARCHI
SUSTAINABLE DI
PERMITTING SER
TRANSPORTATION S

REVISIONS REV DATE COMMENT

			CHECKED DI
1	03/09/2022	REV. PER DRCC	CPR
1		COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
	12/03/2022	COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP	CPR
3	02/21/2023	COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
4		COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDW
		ROW IMPROVEMENTS	TXL
6	11/07/2023	REV. PER TOWNSHIP	MAI
O		COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP	KK
,		COMMENTS	TXL



ISSUED FOR MUNICIPAL &

WHETHER IT'S ON PRIVATE OR PUBLIC LAND.

www.nj1-call.org

AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY
REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION
DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: J190844
DRAWN BY: CPF
CHECKED BY: TXI

PROJECT:
PRELIMINARY &
FINAL MAJOR SITE
PLAN & PRELIMINARY

& FINAL MAJOR
SUBDIVISION PLAN
FOR

ER/UDC WEST
WINDSOR LLC
PROPOSED QUICKCHEK FOOD

STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND

332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

BOHLER / BOHLER ENGINEERING NJ, LLC

30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 668-8300
Fax: (908) 754-4401
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24GA28161700 & MH000122

T. LAM

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 47863

NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024

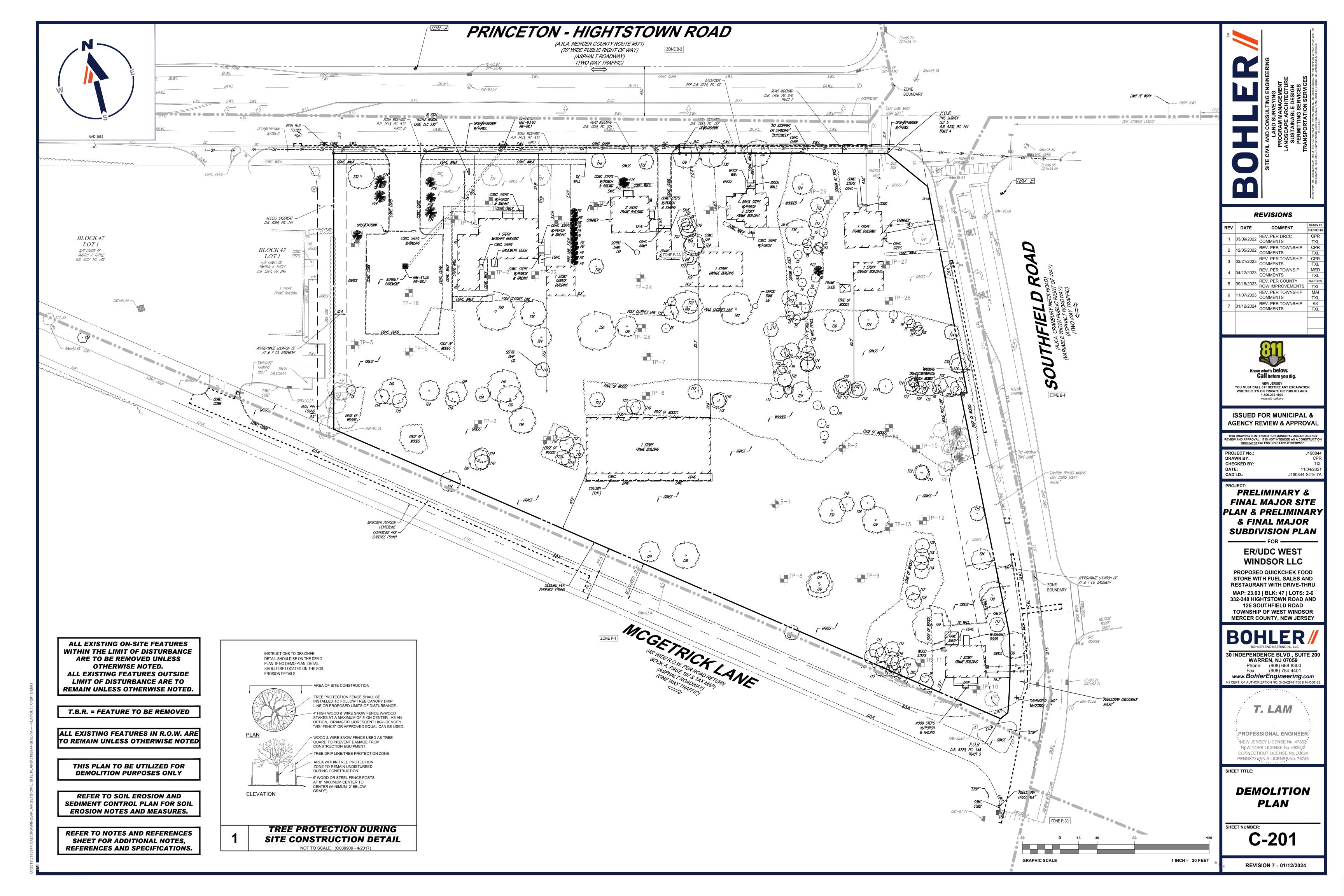
PENNSYLVANIA LICENSE No. 76746

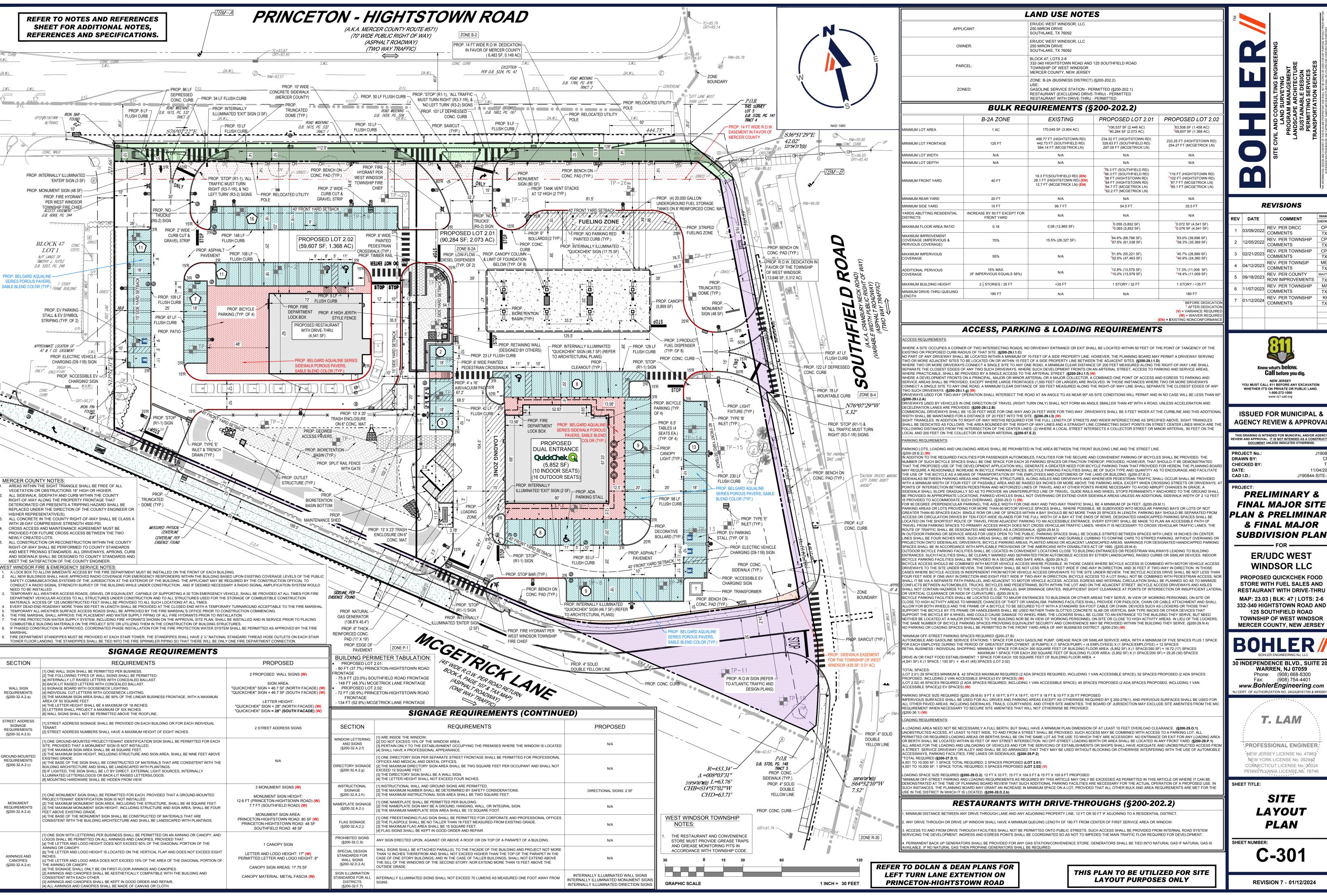
SHEET TITLE:

NOTES AND REFERENCES SHEET

ET NUMBER:

C-102





REVISIONS

REV DATE		COMMENT	DRAWN BY
KEV	DATE	COMMENT	CHECKED BY
1	03/09/2022	REV. PER DRCC	CPR
ı	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
2	12/03/2022	COMMENTS	TXL
3	3 02/21/2023	REV. PER TOWNSHIP	CPR
		COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
		COMMENTS	TXL
5 09/	09/18/2023	REV. PER COUNTY	MAI/TDW
	03/10/2023	ROW IMPROVEMENTS	TXL
6	11/07/2023	REV. PER TOWNSHIP	MAI
		COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP	KK
	01/12/2024	COMMENTS	TXL



www.nj1-call.org

NEW JERSE

AGENCY REVIEW & APPROVA

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENC EVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUC DOCUMENT UNLESS INDICATED OTHERWISE

J190844-SITE-7

PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR

ER/UDC WEST **WINDSOR LLC**

PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND **RESTAURANT WITH DRIVE-THRU**

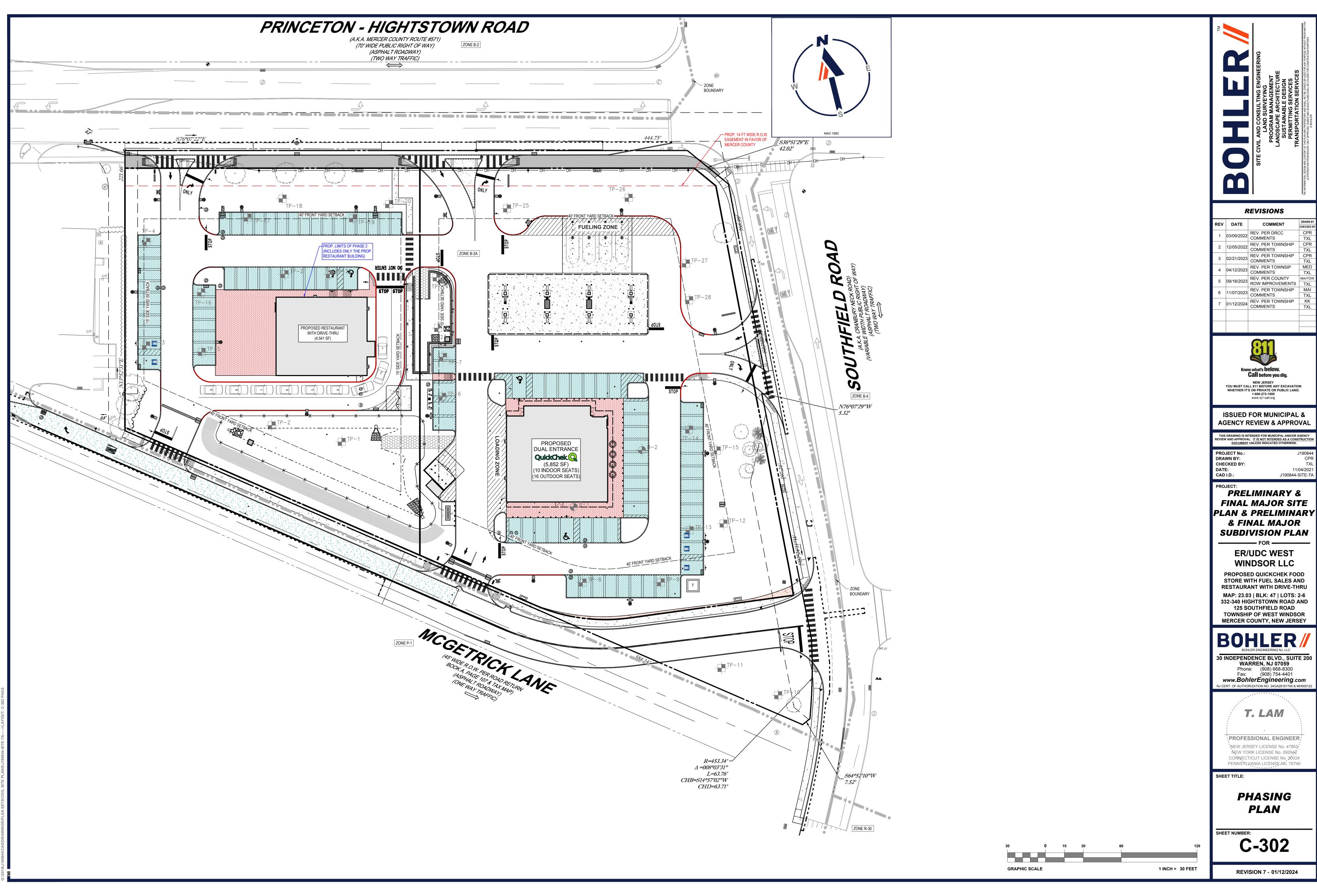
MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR

30 INDEPENDENCE BLVD., SUITE 20 WARREN. NJ 07059 Phone: (908) 668-8300 (908) 754-4401 www.BohlerEngineering.com

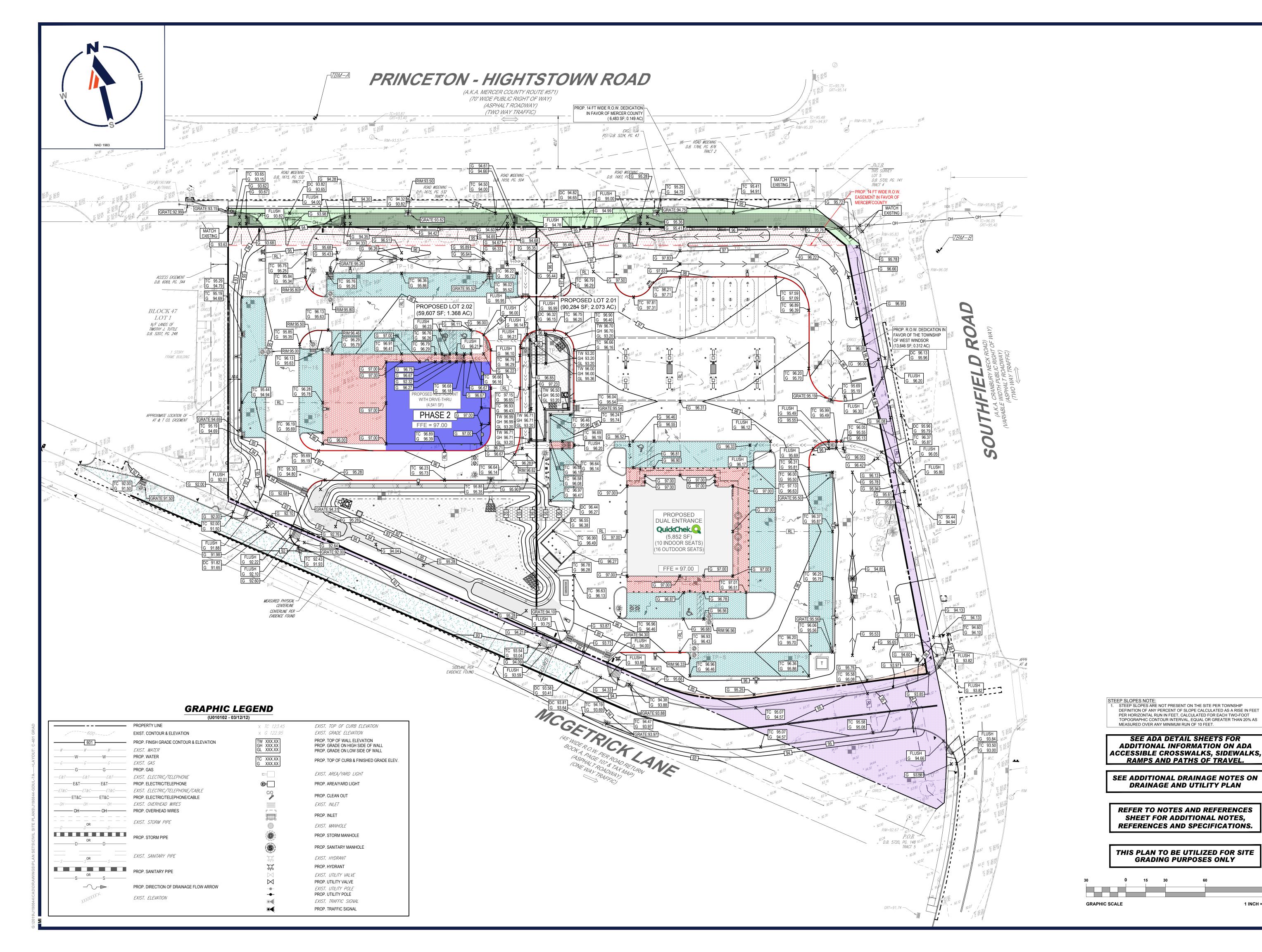
T. LAM

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 47863 NEW YORK LICENSE No. 092942 CONNECTICUT LICENSE No. 30024

LAYOUT



REV	DATE	COMMENT	DRAWN BY
KEV	DATE	COMMENT	CHECKED B
1	03/09/2022	REV. PER DRCC	CPR
'	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
_	12/03/2022	COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP	CPR
3	02/21/2023	COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
4	04/12/2023	COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDW
3	09/10/2023	ROW IMPROVEMENTS	TXL
6	11/07/2023	REV. PER TOWNSHIP	MAI
0	11/07/2023	COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP	KK
′	01/12/2024	COMMENTS	TXL





SITE CIVIL AND CONSULTING
LAND SURVEYIN
PROGRAM MANAGER
LANDSCAPE ARCHITE
SUSTAINABLE DES
PERMITTING SERVI

REVISIONS	

REV	DATE	COMMENT	DRAWN BY
KEV	DAIE		CHECKED BY
1	03/09/2022	REV. PER DRCC	CPR
'	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
	12/03/2022	COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP	CPR
٥	02/21/2023	COMMENTS	TXL
	04/12/2023	REV. PER TOWNSIP	MED
4 0	04/12/2023	COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDW
5	09/10/2023	ROW IMPROVEMENTS	TXL
6	11/07/2023	REV. PER TOWNSHIP	MAI
٥	11/0//2023	COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP	KK
'	01/12/2024	COMMENTS	TXL



YOU MUST CALL 811 BEFORE ANY EXCAVATION WHETHER IT'S ON PRIVATE OR PUBLIC LAND.

1-800-272-1000

www.nj1-call.org

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY
EVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION
DOCUMENT UNLESS INDICATED OTHERWISE.

 PROJECT No.:
 J19084

 DRAWN BY:
 CPI

 CHECKED BY:
 TX

 DATE:
 11/04/202

 CAD I.D.:
 J190844-GDUL-7.

PRELIMINARY &
FINAL MAJOR SITE
PLAN & PRELIMINARY

& FINAL MAJOR
SUBDIVISION PLAN

ER/UDC WEST WINDSOR LLC

PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU

MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

BOHLER/

30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 668-8300
Fax: (908) 754-4401
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24GA28161700 & MH000122

T. LAM

PROFESSIONAL ENGINEER.

NEW JERSEY LICENSE No. 47863

NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024

PENNSYLVANIA LICENSE No. 76746

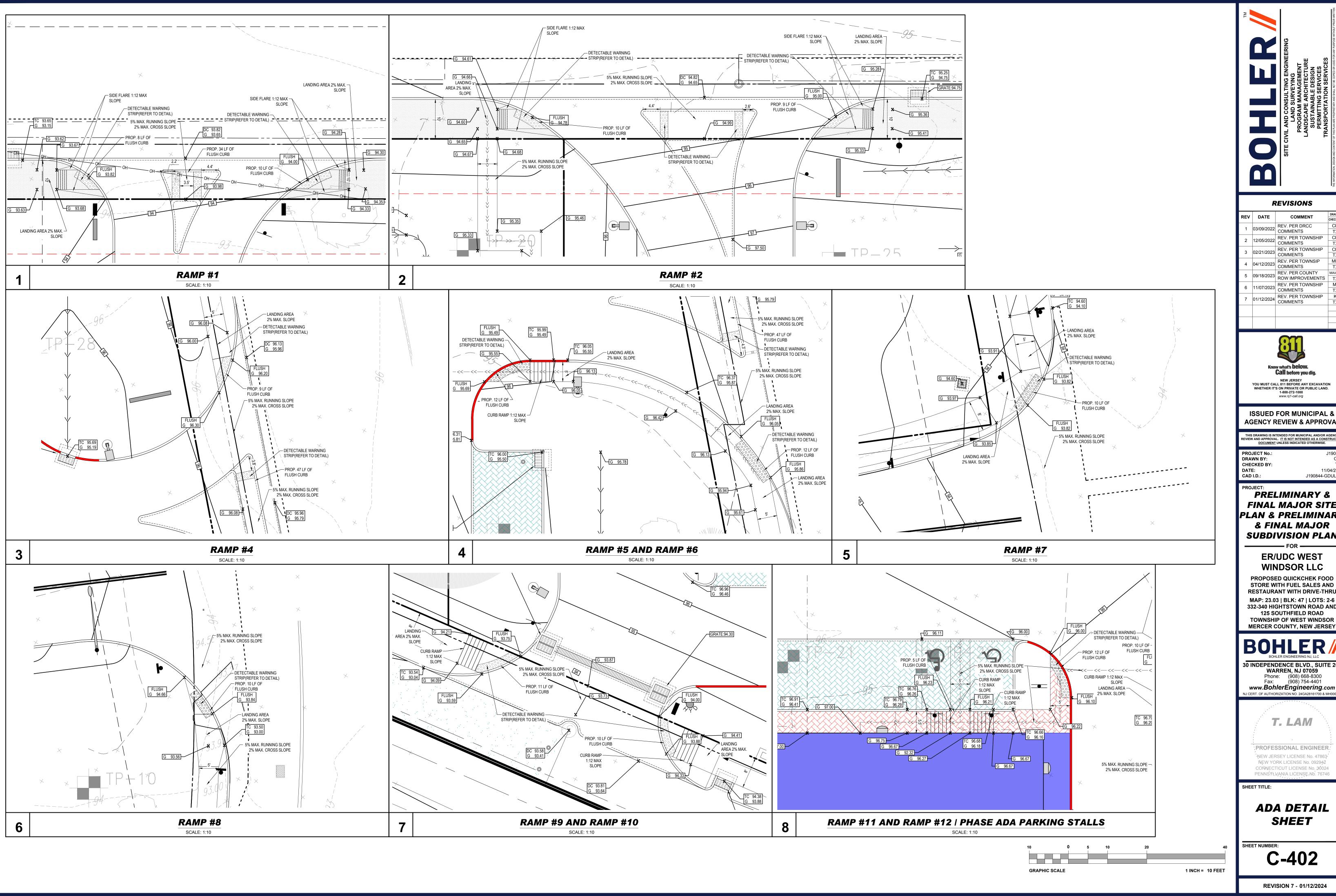
SHEET TITLE:

GRADING PLAN

EET NIIMBED:

1 INCH = 30 FEET

C-401





REVISIONS

REV	DATE	COMMENT	DRAWN BY
KEV	DATE	COMINENT	CHECKED BY
1	03/09/2022	REV. PER DRCC	CPR
ı	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
	12/03/2022	COMMENTS	TXL
3	02/21/2023 REV. PER TOWNSHIP	CPR	
3	02/21/2023	COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
		COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDW
J		ROW IMPROVEMENTS	TXL
6	11/07/2023	1/07/2022 REV. PER TOWNSHIP	MAI
O		COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP	KK
'		COMMENTS	TXL



1-800-272-1000 www.nj1-call.org

AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. <u>IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT</u> UNLESS INDICATED OTHERWISE.		
PROJECT No.:	J190844	
DRAWN BY:	CPR	
CHECKED BY:	TXL	
DATE:	11/04/2021	
CAD I.D.:	J190844-GDUL-7A	

PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY

& FINAL MAJOR SUBDIVISION PLAN

ER/UDC WEST

PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND **RESTAURANT WITH DRIVE-THRU**

MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR

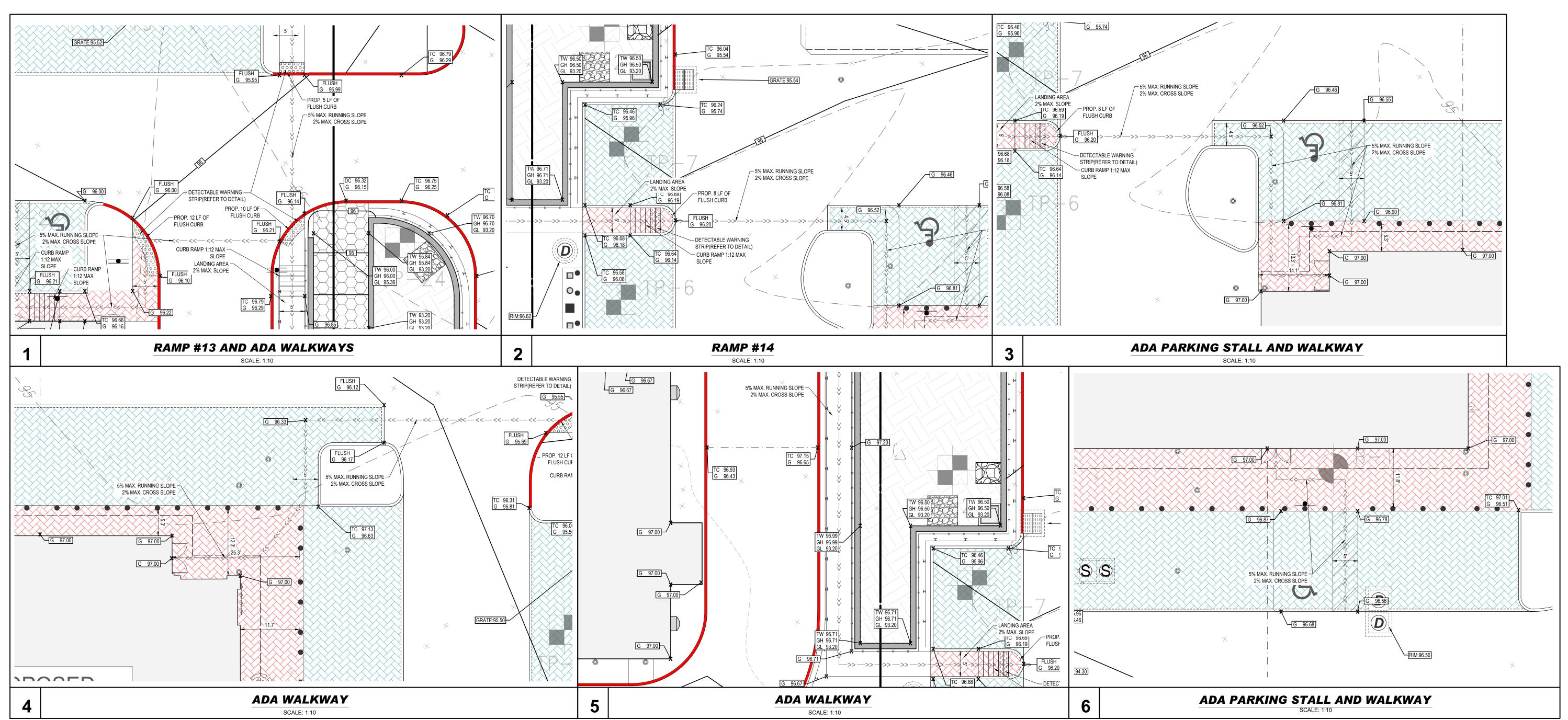
30 INDEPENDENCE BLVD., SUITE 200 WARREN, NJ 07059 Phone: (908) 668-8300 Fax: (908) 754-4401 www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24GA28161700 & MH000122

T. LAM

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 47863 NEW YORK LICENSE No. 092942

ADA DETAIL SHEET

C-402





REVISIONS

REV	DATE	COMMENT	DRAWN BY
KEV	DAIE	COMMENT	CHECKED BY
1	03/09/2022	REV. PER DRCC	CPR
'	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
	12/03/2022	COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP	CPR
3	02/21/2023	COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
4	04/12/2023	COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDW
3	09/10/2023	ROW IMPROVEMENTS	TXL
6	11/07/2023	REV. PER TOWNSHIP	MAI
0	11/01/2023	COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP	KK
,	01/12/2024	COMMENTS	TXL



YOU MUST CALL 811 BEFORE ANY EXCAVATION WHETHER IT'S ON PRIVATE OR PUBLIC LAND.
1-800-272-1000
www.nj1-call.org

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:

J190844

DRAWN BY:

CPR

CHECKED BY:

TXL

DATE:

11/04/2021

CAD I.D.:

J190844-GDUL-7A

PROJECT:
PRELIMINARY &
FINAL MAJOR SITE
PLAN & PRELIMINARY
& FINAL MAJOR
SUBDIVISION PLAN

ER/UDC WEST

WINDSOR LLC
PROPOSED QUICKCHEK FOOD
STORE WITH FUEL SALES AND
RESTAURANT WITH DRIVE-THRU

MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

BOHLER //

30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 668-8300
Fax: (908) 754-4401
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24GA28161700 & MH000122

T. LAM

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 47863

NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024

PENNSYLVANIA LICENSE No. 76746

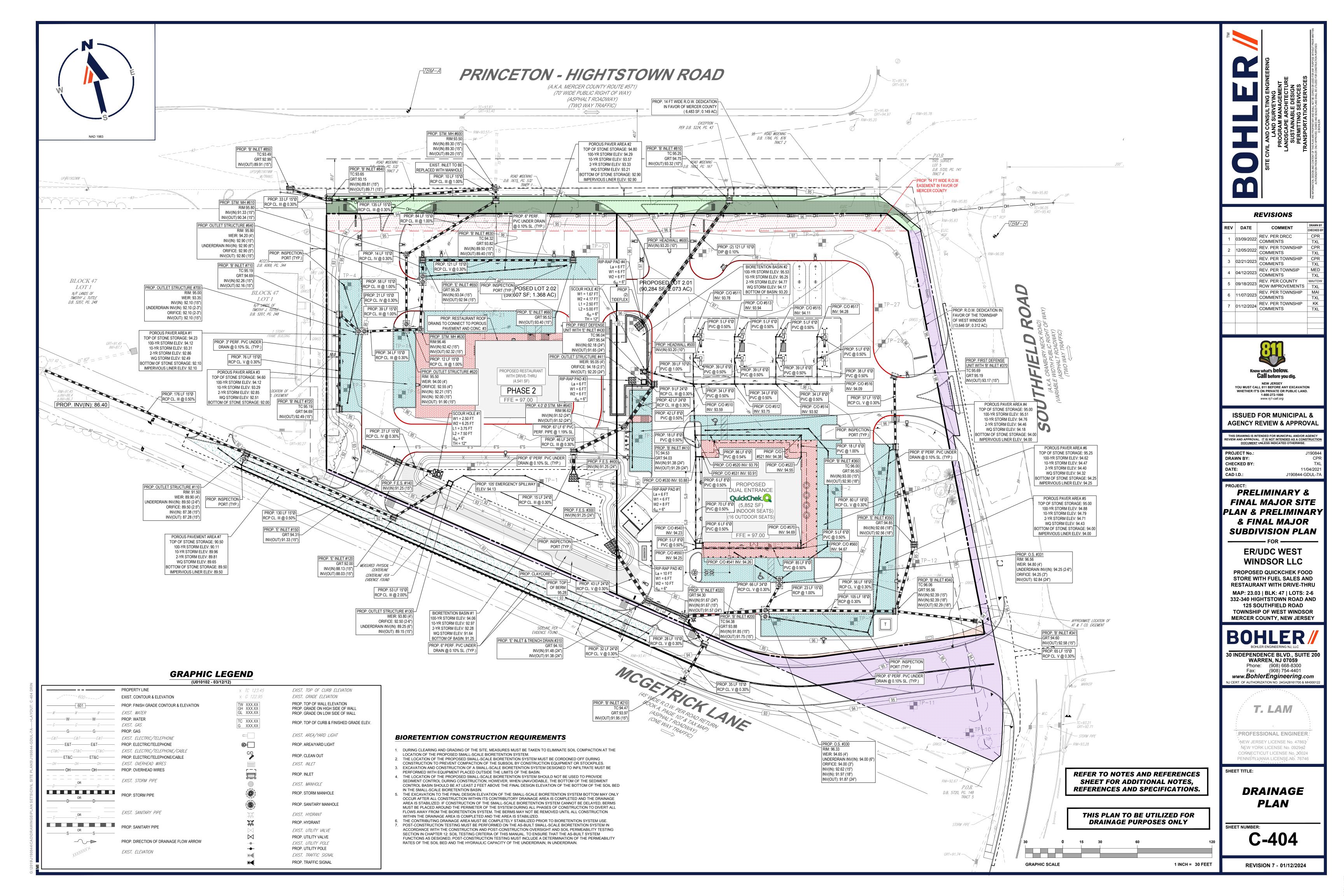
SHEET TITLE:

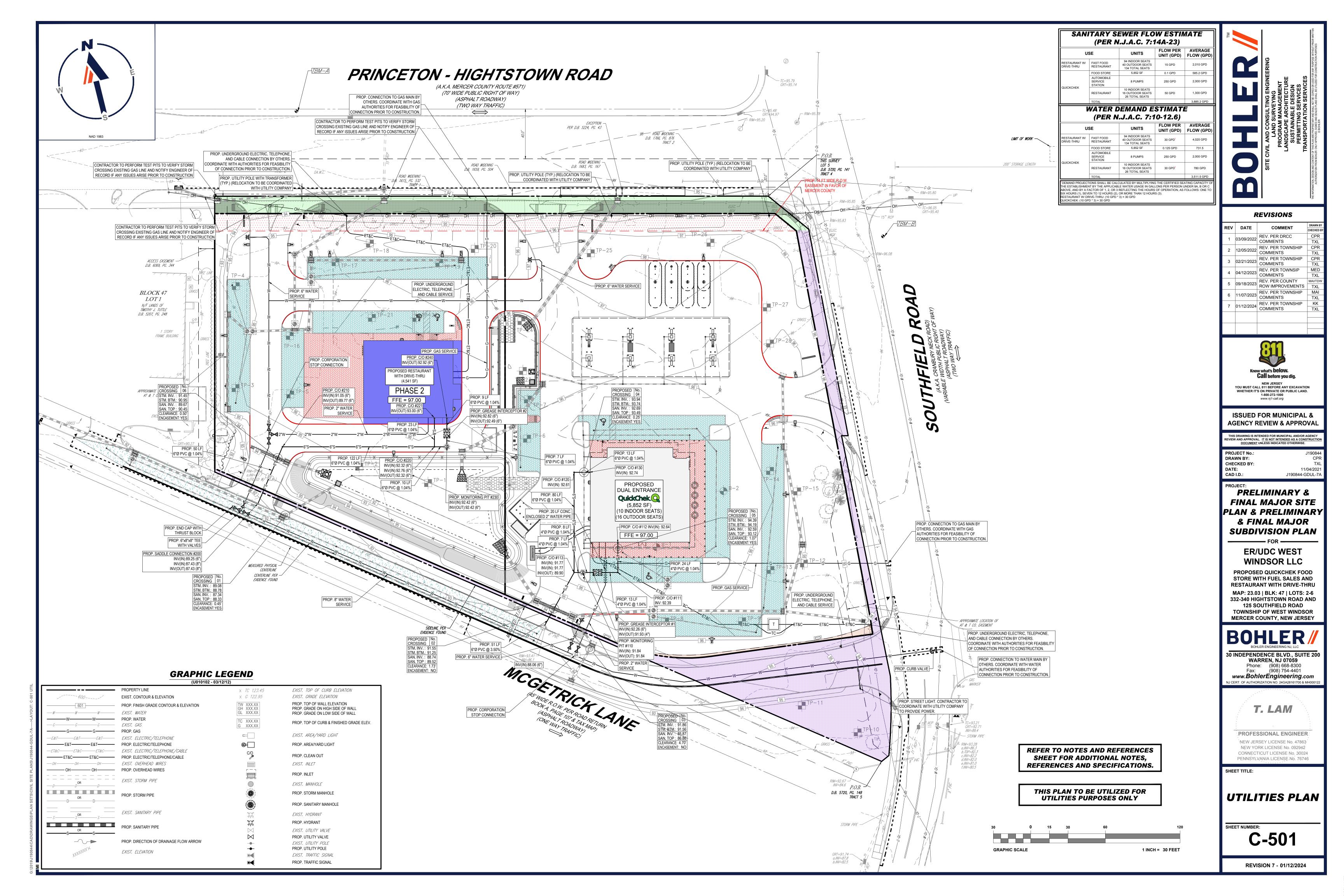
ADA DETAIL SHEET

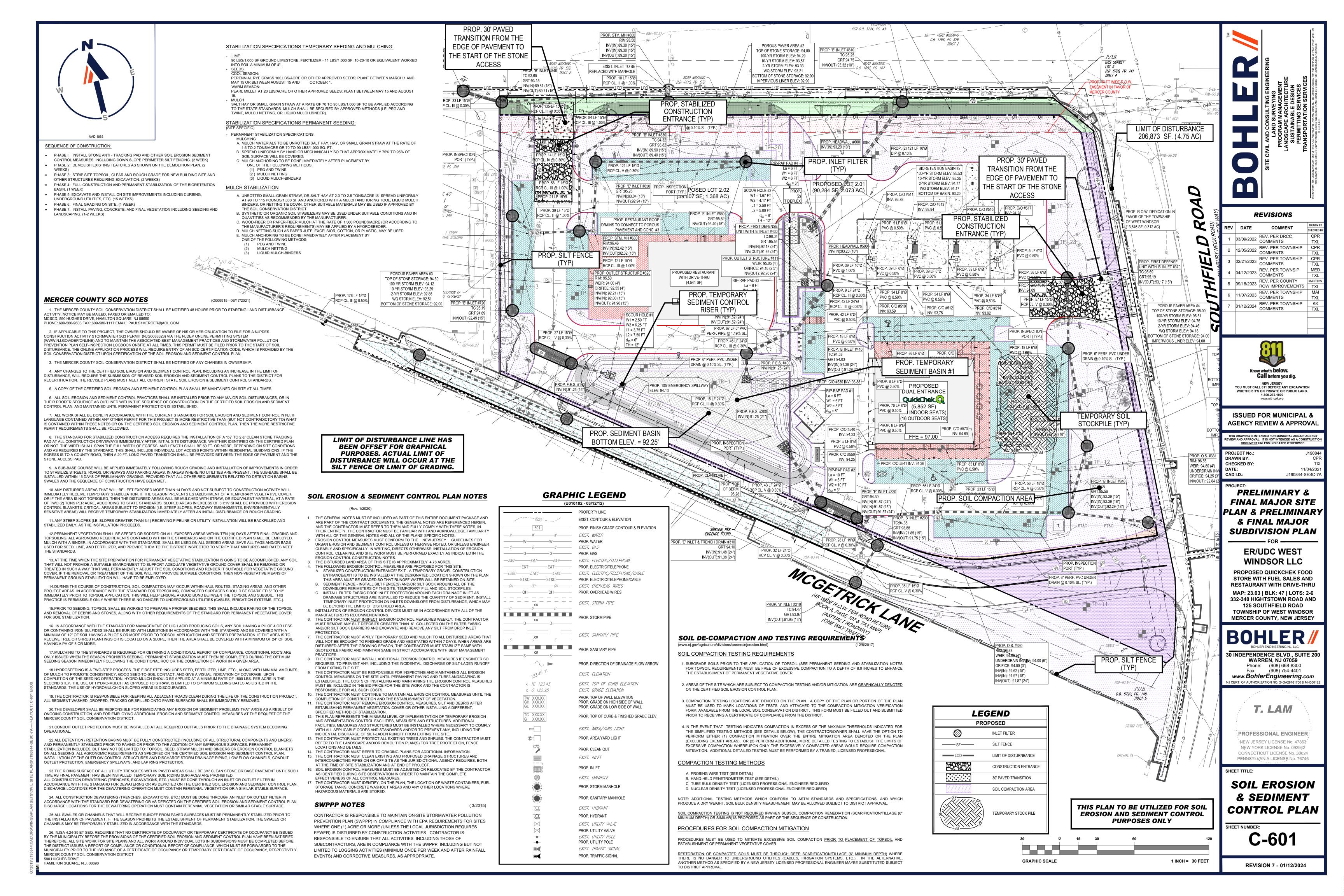
SHEET NUMBER:

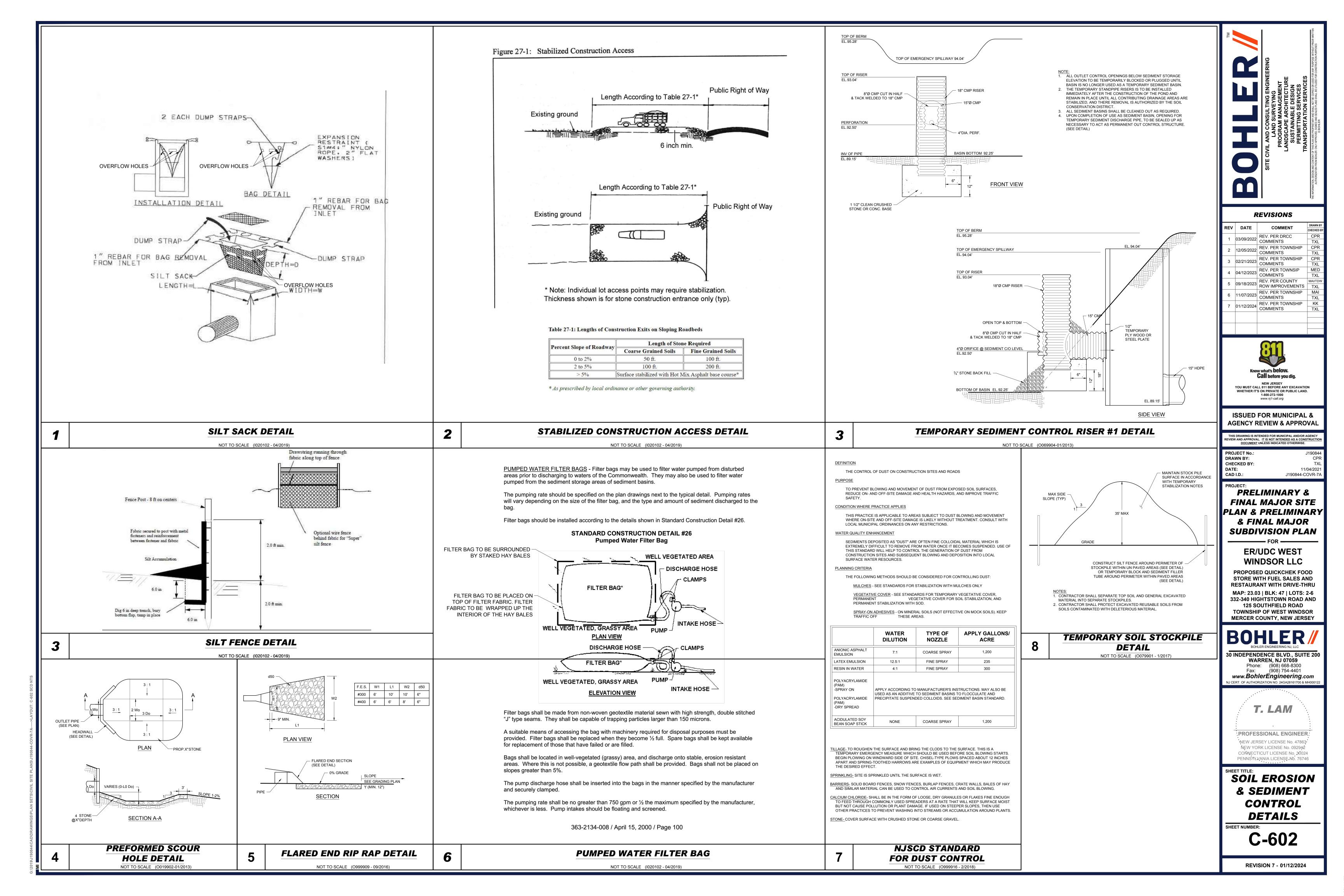
1 INCH = 10 FEET

C-403











BIORETENTION BASIN PLANTING SOIL BED MIX SPECIFICATIONS:

SOURCE: NEW JERSEY BEST MANAGEMENT PRACTICE MANUAL CHAPTER 9.1, PAGE 7

THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.

BIORETENTION BASIN NOTES

- NEW JERSEY STORMWATER BEST MANAGEMENT PRACTICES MANUAL (MARCH 2021) HAS BEEN REFERENCED FOR BIO-RETENTION LANDSCAPE DESIGN.
 RECOMMENDED NUMBER OF STEMS PER ACRE SHOULD AVERAGE 1,000 WITH TREE SPACING OF 12 FEET AND SHRUB SPACING OF 8 FEET, PER THE BEST MANAGEMENT PRACTICES
- MANUAL.
 3. TWO (2) BASINS HAVE BEEN PROPOSED ON SITE.

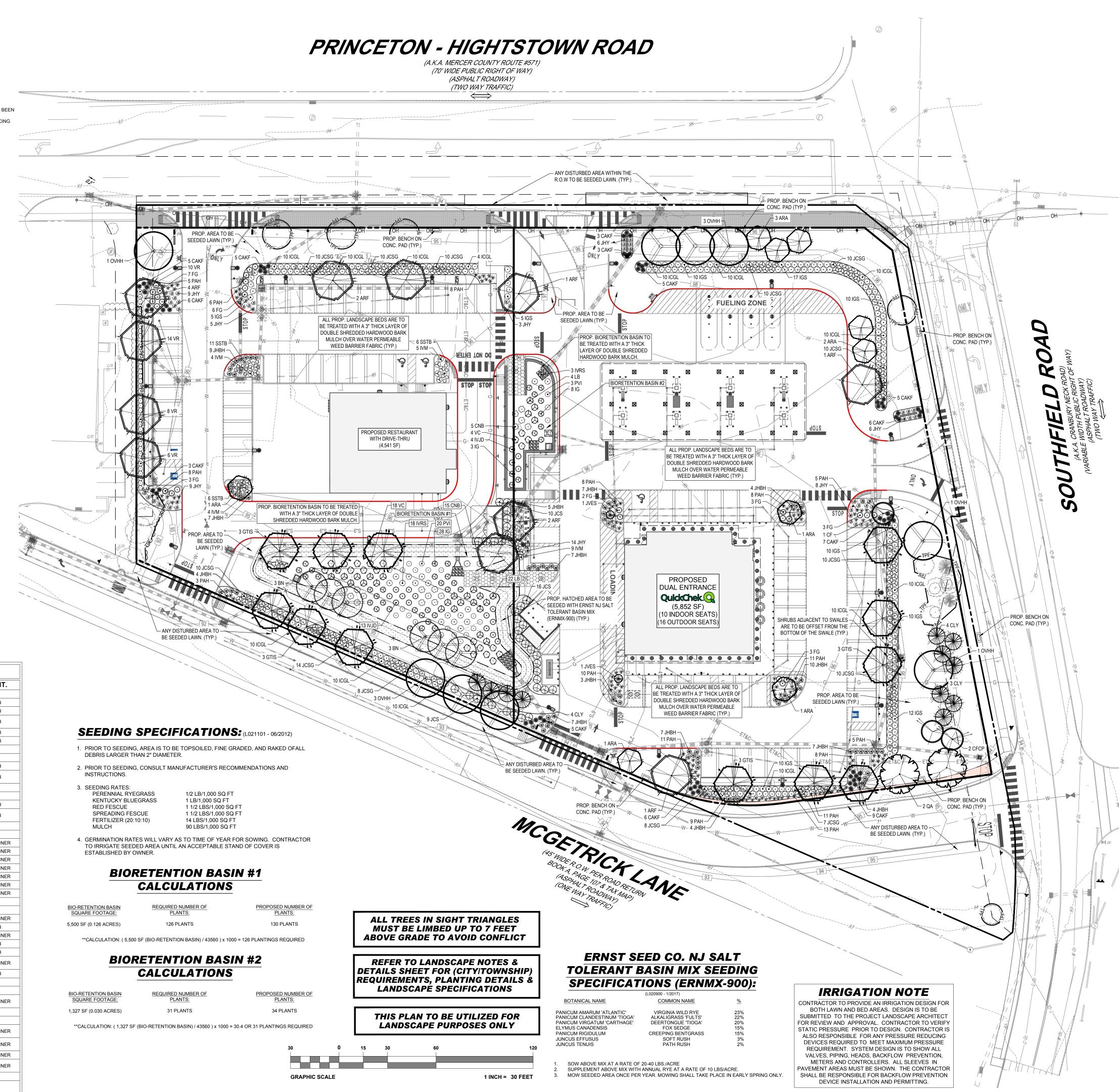
OWNER MAINTENANCE RESPONSIBILITIES

- UPON OWNER'S (OR OWNER CONTRACTOR'S) COMPLETION OF LANDSCAPING WORK, THE OWNER IS FULLY RESPONSIBLE FOR ALL FUTURE MAINTENANCE, CARE, UPKEEP, WATERING, AND TRIMMING OF ALL INSTALLED VEGETATION, PLANTS, TREE, BUSHES, SHRUBS, GRASSES, GRASS, ORNAMENTAL PLANTS AND FLOWERS, FLOWERS, GROUND COVER, AND LANDSCAPING, INCLUDING ALL LANDSCAPE ISLANDS AND AREAS ADJACENT OR PART OF THE LANDSCAPED AREAS. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:
- TREES ADJACENT TO WALKWAYS AND AREAS OF PEDESTRIAN TRAFFIC MUST BE MAINTAINED TO ASSURE THAT ANY BRANCHES
 MUST BE LIMBED UP TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PEDESTRIAN SURFACES) OR PRUNED BACK TO AVOID ANY
 INTERFERENCE WITH THE TYPICAL PATH OF TRAVEL.
- TREES WITHIN VEHICULAR SIGHT LINES, AS ILLUSTRATED ON THE LANDSCAPE PLAN, ARE TO BE TRIMMED TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PAVED, TRAVELED SURFACES), OR AS OTHERWISE INDICATED ON THE PLANS.
- VEGETATIVE GROUND COVER, SHRUBS AND ORNAMENTAL PLANTS AND GRASSES MUST BE TRIMMED SO THAT NO PORTION OF THE PLANT EXCEEDS 30 INCHES ABOVE GRADE (OF ALL PAVED, TRAVEL SURFACES) ALONG AND WITHIN THE SIGHT LINES OF PARKING LOTS AND INGRESS-EGRESS WAYS.
- FALLEN PLANT FLOWERS, FRUIT, SEEDS AND DEBRIS DROPPINGS ARE TO BE REMOVED IMMEDIATELY FROM VEHICULAR AND PEDESTRIAN TRAFFIC AREAS TO PREVENT TRIPPING, SLIPPING OR ANY OTHER HAZARDS.
- THESE REQUIREMENTS DO NOT AFFECT THE PLANT LIFE GUARANTEES THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE.

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRU	JB(S)				
CNB	15	PHYSOCARPUS OPULIFOLIUS	COMMON NINEBARK	24-30" HT. @ 1-2' MIN. SPRD.	CONTAINER
IVJD	13	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WITNERBERRY HOLLY	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
IVRS	14	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
LB	22	LINDERA BENZOIN	SPICEBUSH	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
VC	18	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
SUBTOTAL:	82				
EVERGREEN SHR	UB(S)				
IG	28	ILEX GLABRA	INKBERRY HOLLY	30" MIN. HT. @ 20" SPRD.	B+B
SUBTOTAL:	28				
ORNAMENTAL GR	ASS(ES)				
PVI	20	PANICUM VIRGATUM	SWITCH GRASS	2 GAL.	CONTAINER
SUBTOTAL:	20				

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRU	JB(S)				
CNB	5	PHYSOCARPUS OPULIFOLIUS	COMMON NINEBARK	24-30" HT. @ 1-2' MIN. SPRD.	CONTAINER
IVJD	4	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WITNERBERRY HOLLY	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
IVRS	3	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
LB	4	LINDERA BENZOIN	SPICEBUSH	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
VC	4	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	30-36" HT. @ 1-2' MIN. SPRD.	CONTAINER
SUBTOTAL:	20				
VERGREEN SHR	UB(S)				
IG	11	ILEX GLABRA	INKBERRY HOLLY	30" MIN. HT. @ 20" SPRD.	B+B
SUBTOTAL:	11				
ORNAMENTAL GR	ASS(ES)				
PVI	3	PANICUM VIRGATUM	SWITCH GRASS	2 GAL.	CONTAINER
SUBTOTAL:	3				

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
SHADE TREE(S)	~	DO ITHIOAE HAME	O MINION INTINE	V.EE	30111.
ARA	9	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG COLUMNAR RED MAPLE	2 1/2-3" CAL. @ 12-16' HT.	B+B
ARF	11	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	2 1/2-3" CAL. @ 12-16' HT.	B+B
GTIS	12	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	2 1/2-3" CAL. @ 12-16' HT.	B+B
OVHH	9	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	2 1/2-3" CAL. @ 12-16' HT.	B+B
QA	2	QUERCUS ALBA	WHITE OAK	2 1/2-3" CAL. @ 12-16' HT.	B+B
SUBTOTAL:	43				
ORNAMENTAL TR	EE(S)				
BNC	6	BETULA NIGRA 'CLUMPS'	CLUMP RIVER BIRCH 2-2 1/2" CAL. @ 12-14' HT.		B+B
CFCP	3	CORNUS FLORIDA 'CHEROKEE PRINCESS'	CHEROKEE PRINCESS DOGWOOD	2-2 1/2" CAL. @ 12-14' HT.	B+B
SUBTOTAL:	9				
EVERGREEN TRE	E(S)				
CLY	11	X CUPRESSOCYPARIS LEYLANDII	LEYLAND CYPRESS	6-7' HT. @ 4-5' SPRD.	B+B
JVES	2	JUNIPERUS VIRGINIANA 'EMERALD SENTINEL'	EMERALD SENTINEL EASTERN RED CEDAR	8-10' HT. @ 3-4' SPRD.	B+B
SUBTOTAL:	13				
DECIDUOUS SHRI	JB(S)				
CNB	20	PHYSOCARPUS OPULIFOLIUS	COMMON NINEBARK	24-30" HT. @ 5-6 CANES	CONTAINER
FG	27	FOTHERGILLA GARDENII	DWARF FOTHERGILLA	24-30" HT. @ 4-5 CANES	CONTAINER
IVJD	17	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WITNERBERRY HOLLY	30-36" HT. @ 5-6 CANES	CONTAINER
IVM	22	ITEA VIRGINICA 'MERLOT'	GARNET SWEETSPIRE	24-30" HT. @ 5-6 CANES	CONTAINER
IVRS	17	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	30-36" HT. @ 5-6 CANES	CONTAINER
LB	26	LINDERA BENZOIN	SPICEBUSH	30-36" HT. @ 4-5 CANES	CONTAINER
VC	22	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	30-36" HT. @ 5-6 CANES	CONTAINER
SUBTOTAL:	151				
EVERGREEN SHR					
ICGL	134	ILEX CRENATA 'GREEN LUSTER'	GREEN LUSTER HOLLY	24-30" HT. @ 16-20" SPRD.	CONTAINER
IG	39	ILEX GLABRA	INKBERRY HOLLY	30" MIN. HT. @ 20" SPRD.	B+B
IGS	89	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	24-30" HT. @ 16-20" SPRD.	CONTAINER
JCS	35	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	6-7' HT. @ 4-5' SPRD.	B+B
JCSG	127	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	24-30" HT. @ 24-30" SPRD.	B+B
JHY	67	JUNIPERUS HORIZONTALIS 'YOUNGSTOWN'	ANDORRA JUNIPER	12-18" HT. @ 18-24" SPRD	CONTAINER
VPR	38	VIBURNUM PRAGENSE	PRAGUE VIBURNUM	3-4' HT. @ 24-28" SPRD.	B+B
SUBTOTAL:	529				
GROUND COVER(S)				
JHBH	85	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	18-24" SPRD.	CONTAINER
SUBTOTAL:	85				
ORNAMENTAL GR	ASS(ES)	0.11.11.1.0D00TIS 151115	T T		
CAKF	68	CALAMAGROSTIS ARUNDINACEA 'KARL FOERSTER'	FEATHER REED GRASS	2 GAL.	CONTAINER
PAH	131	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER
PVI	23	PANICUM VIRGATUM	SWITCH GRASS	2 GAL.	CONTAINER
SSTB	23	SCHIZACHYRIUM SCOPARIUM 'THE BLUES'	LITTLE BLUE STEM	2 GAL.	CONTAINER





ITE CIVIL AND CONSULTING E
LAND SURVEYING
PROGRAM MANAGEM
LANDSCAPE ARCHITEC
SUSTAINABLE DESIC
PERMITTING SERVIC
TRANSPORTATION SER

REVISIONS

REV	DATE	COMMENT	DRAWN BY
			CHECKED BY
1	03/09/2022	REV. PER DRCC	CPR
1	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
2	12/05/2022	COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP	CPR
3	02/21/2023	COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
4	04/12/2023	COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDW
5	09/10/2023	ROW IMPROVEMENTS	TXL
6	11/07/2022	REV. PER TOWNSHIP	MAI
6	11/07/2023	COMMENTS	TXL
7	04/42/2024	REV. PER TOWNSHIP	KK
1	01/12/2024	COMMENTS	TXL



YOU MUST CALL 811 BEFORE ANY EXCAVATION WHETHER IT'S ON PORTRAIS OR PUBLIC LAND.

ISSUED FOR MUNICIPAL &
AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:

J190844

DRAWN BY:

CPR

PROJECT:
PRELIMINARY &
FINAL MAJOR SITE
PLAN & PRELIMINARY
& FINAL MAJOR

FOR ———
ER/UDC WEST

SUBDIVISION PLAN

WINDSOR LLC
PROPOSED QUICKCHEK FOOD

STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD

ROHIFR

TOWNSHIP OF WEST WINDSOR

30 INDEPENDENCE BLVD., SUITE 200 WARREN, NJ 07059 Phone: (908) 668-8300 Fax: (908) 754-4401 www.BohlerEngineering.com

T. LAM

NJ CERT. OF AUTHORIZATION NO. 24GA28161700 & MH0001

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 47863

NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024

PENNSYLVANIA LICENSE No. 76746

ET TITLE:

LANDSCAPE PLAN

SHEET NUMBER:

C-701

SECTION	COMPLIAN REQUIREMENT	CE CHART CALCULATIONS	COMPLIANCE
CHAPTER 200 LAND USE 200-25 TECHNICAL PERFORMANCE STANDARDS	F(3). STORAGE AND WASTE DISPOSAL. ALL OUTDOOR STORAGE FACILITIES FOR FUEL, RAW MATERIALS AND PRODUCTS STORED OUTDOORS SHALL BE ENCLOSED BY AN APPROVED SAFETY FENCE AND SUITABLE LANDSCAPING TO SCREEN SUCH AREAS FROM PUBLIC VIEW AND SHALL CONFORM TO ALL YARD REQUIREMENTS IMPOSED BY PART 4, ZONING, OF THIS CHAPTER UPON	EVERGREEN SHRUBS HAVE BEEN PROVIDED TO SCREEN ALL PROPOSED OUTDOOR STORAGE FACILITIES.	COMPLIES
HAPTER 200 LAND USE 200-29 GENERAL CIRCULATION; PARKING AND LOADING AREA DESIGN	THE PRINCIPAL BUILDINGS IN THE DISTRICT. F(1). LANDSCAPING AND DRAINAGE. PARKING AREAS SHALL BE SUITABLY LANDSCAPED TO MINIMIZE NOISE, GLARE AND OTHER NUISANCE CHARACTERISTICS AS WELL AS TO ENHANCE THE ENVIRONMENT AND ECOLOGY OF THE SITE AND SURROUNDING AREA. GENERAL LANDSCAPING DESIGN SHALL CONFORM TO CRITERIA SET FORTH IN § 200-20 OF THIS ARTICLE. ALL OPEN PARKING AREAS AND ACCESSWAYS THERETO SHALL BE PROPERLY DRAINED, AND ALL SUCH AREAS SHALL BE A PAVED SURFACE, EXCEPT FOR PARKING SPACES ACCESSORY TO ONE-FAMILY OR TWO-FAMILY RESIDENCES.	LANDSCAPING HAS BEEN PROVIDED WITHIN PARKING AREAS TO MINIMIZE NOISE, GLARE AND OTHER NUISANCE CHARACTERISTICS AND TO ENHANCE THE AESTHETICS OF THE OVERALL SITE.	COMPLIES
STANDARDS	F(2). PARKING VIEWED FROM THE PUBLIC RIGHT-OF-WAY OR FROM ANY PROPERTY USED FOR RESIDENTIAL PURPOSES SHALL BE SUITABLY SHIELDED. B. UTILITY/LANDSCAPE PLANTING EASEMENTS; ADJACENT	SCREENING HAS BEEN PROVIDED AT THE SOUTHEAST PROPERTY CORNER WHERE THE SITE ABUTS A RESIDENTIAL ZONE (R-30).	COMPLIES
CHAPTER 200 LAND USE 200-63 EASEMENTS	STREETS. BASED ON FIELD CONDITIONS WHERE EXISTING UTILITY PLACEMENT CONTAINING OVERHEAD WIRES WOULD INTERFERE WITH FUTURE STREET TREE PLANTINGS' CANOPY GROWTH, THEN THE PLANNING BOARD, UPON RECOMMENDATION OF THE TOWNSHIP ENGINEER AND TOWNSHIP LANDSCAPE ARCHITECT, MAY REQUIRE AN ADDITIONAL FIVE FEET FOR A LANDSCAPE PLANTING EASEMENT TO BE LOCATED OUTSIDE THE PUBLIC RIGHT-OF-WAY AND UTILITY EASEMENT IN A MANNER COMPATIBLE WITH AN OVERALL STREET TREE PLANTING PLAN.		ACKNOWLEDGED
	P(1)(F). GENERAL. LANDSCAPE PLANS SHALL CONFORM TO THE FOLLOWING GENERAL DESIGN PRINCIPLES. ALL LANDSCAPE PLANTS SHALL BE TYPICAL FULL SPECIMENS CONFORMING TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS AND/OR LANDSCAPE PLANS AND SPECIFICATIONS FOR QUALITY AND INSTALLATION.	-(REFER TO LANDSCAPE SPECIFICATIONS.)-	COMPLIES
	P(1)(G). ASSURE THAT NO ASPECT OF THE LANDSCAPE DESIGN INHIBITS ACCESS TO THE DEVELOPMENT BY EMERGENCY VEHICLES.	PROPOSED LANDSCAPING WILL NOT INHIBIT ACCESS INTO THE SITE BY EMERGENCY VEHICLES.	COMPLIES
	P(2). STREET TREES. STREET TREES SHALL BE PROVIDED FOR ALL STREETS AND SHALL BE IN ACCORDANCE WITH THE WEST WINDSOR TOWNSHIP COMPREHENSIVE MASTER STREET TREE PLAN STANDARDS[4] FOR LOCATION, SPECIES SELECTION AND SPACING. ONE OF THE FOLLOWING STREET TREE PLANTING CONCEPTS OR AN ALTERNATIVE CONCEPT COMPLYING WITH THE STANDARDS SET FORTH ABOVE SHALL BE USED.	STREET TREES HAVE BEEN PROVIDED IN ACCORDANCE WITH SECTION 200-91.P(2)(C) BELOW. TOTAL FRONTAGE ALONG MCGETRICK LANE: 466 LF	COMPLIES
	P(2)(C). NATURALIZED STREET TREE PLANTING. [1] VARY STREET VARIETIES, SPACING THREE FEET TO 15 FEET FROM THE CURBLINE AND SIZES 2 1/2 INCHES TO 3 1/2 INCHES CALIPER.[AMENDED 12-11-1989 BY ORD. NO. 89-59] [2] THE TOTAL NUMBER OF STREET TREES SHALL AVERAGE ONE FOR EVERY 35 LINEAR FEET MEASURED AT THE CURBLINE.	REQUIRED: 466 LF / 35 = 13.3 OR 14 TREES PROPOSED: 14 TREES SPECIES FOR PROPOSED STREET TREES ARE VARIED AND ARE PROPOSED TO PROMOTE A NATURALIZED PATTERN. ALL TREES WITHIN SIGHT TRIANGLES ARE TO HAVE A MINIMUM HEIGHT OF 7 FEET ABOVE GRADE SO AS NOT TO OBSTRUCT DRIVER VISION.	COMPLIES
	[3] PLANTING DESIGN SHALL ACCENTUATE VIEWS AND INTEGRATE CONTRASTING LANDSCAPE ELEMENTS. [4] TREES WITHIN A SIGHT TRIANGLE SHALL BE OF SUCH SIZE AS WILL ENABLE THEM TO BE PRUNED UP TO SEVEN FEET BRANCHING HEIGHT UPON PLANTING. PLANTING WITHIN A SIGHT TRIANGLE MUST BE APPROVED BY THE TOWNSHIP ENGINEER.	TOTAL FRONTAGE ALONG SOUTHFIELD ROAD: 290 LF REQUIRED: 290 LF / 35 = 8.2 OR 9 TREES EXISTING: 18 TREES ALL TREES WITHIN SIGHT TRIANGLES ARE TO HAVE A MINIMUM HEIGHT OF 7 FEET ABOVE GRADE SO AS NOT TO OBSTRUCT DRIVER VISION. TOTAL FRONTAGE ALONG PRINCETON-HIGHSTOWN	COMPLIES
	[5] IF EXISTING TREES ARE PRESERVED WITHIN FIVE FEET OF THE CURB, THE REQUIREMENTS FOR STREET TREE PLANTING MAY BE REDUCED.	ROAD: 389 LF REQUIRED: 389 LF / 35 = 11.1 OR 12 TREES TOTAL TREES: 9 PROPOSED, 3 EXISTING SPECIES FOR PROPOSED STREET TREES ARE VARIED AND ARE PROPOSED TO PROMOTE A NATURALIZED PATTERN. ALL TREES WITHIN SIGHT TRIANGLES ARE TO HAVE A MINIMUM HEIGHT OF 7 FEET ABOVE GRADE SO AS NOT TO OBSTRUCT DRIVER VISION.	COMPLIES
	P(6). BUFFERS. LANDSCAPING BUFFERS ARE AREAS PROVIDED TO MINIMIZE AND SCREEN ANY ADVERSE IMPACTS OR NUISANCES ON A SITE OR FROM ANY ADJACENT AREA. INCLUDED WITHIN ANY LANDSCAPE BUFFER AREA SHALL BE A LANDSCAPE STRIP CONSISTING OF TREES, CONIFERS, SHRUBS, BERMS AND, IF APPROPRIATE, FENCES OR WALLS AND PROVIDING A COMPLETELY PLANTED VISUAL BARRIER. IN AREAS OF LESS THAN 25 FEET WIDTH, THE PROVISIONS OF THE WINDBREAK/HEAVY BUFFER REQUIREMENTS SHALL BE FOLLOWED. LANDSCAPE BUFFERS SHALL BE PROVIDED AS REQUIRED BY ORDINANCE AND IN THE FOLLOWING AREAS: P(6)(C)(1). FILTERED BUFFER. FILTERED SCREENING SHALL	BUFFER ARES HAVE BEEN PROVIDED ALONG THE PERIMETER OF THE SITE. A MINIMUM 25-FOOT BUFFER HAS BEEN PROVIDED ALONG THE NORTHERN AND EASTERN PROPERTY LINE WHERE THE SITE ABUTS A SIMILAR USE. A MINIMUM 10-FOOT BUFFER HAS BEEN PROVIDED ALONG THE WESTERN AND SOUTHERN PROPERTY LINES WHERE THE SITE ABUTS A NONRESIDENTIAL USE. A MINIMUM 25-FOOT BUFFER HAS BEEN PROVIDED AT THE SOUTHEASTERN PROPERTY CORNER WHERE THE SITE ABUTS A RESIDENTIAL ZONE (R-30). (THE ADJACENT R-30 ZONED PARCEL IS THE LOCATION OF THE WEST WINDSOR PUBLIC WORKS DEPARTMENT)	WAIVER
HAPTER 200 LAND USE	BE REQUIRED AROUND THE PERIMETER OF PARKING AREAS AND WHERE INTERIOR ROADS RUN PARALLEL WITH OTHER ROADS, PARKING AREAS OR THE PERIMETER OF A SITE IN ORDER TO SCREEN UNSAFE DISTRACTIONS AND AVOID CONFUSION. THE FOLLOWING STANDARDS	PERIMETER OF ALL PARKING AREAS WHERE ALLOWABLE.	COMPLIES
200-91 CONSTRUCTION, AINTENANCE AND INSTALLATION STANDARDS FOR SPECIFIC IMPROVEMENTS	SHALL APPLY: P(6)(C)(1)(A). PROVIDE LANDSCAPE BUFFER AREA OF 25 FEET IN WIDTH OR AS PER THE REQUIREMENTS FOR FRONT YARDS IN PART 4, ZONING, OF THIS CHAPTER, WHICHEVER IS GREATER.	A MINIMUM 25-FOOT BUFFER HAS BEEN PROVIDED ALONG THE NORTHERN AND EASTERN PROPERTY LINE WHERE THE SITE ABUTS A SIMILAR USE. A MINIMUM 10-FOOT BUFFER HAS BEEN PROVIDED ALONG THE WESTERN AND SOUTHERN PROPERTY LINES WHERE THE SITE ABUTS A NONRESIDENTIAL USE. A MINIMUM 25-FOOT BUFFER HAS BEEN PROVIDED AT THE SOUTHEASTERN PROPERTY CORNER WHERE THE SITE ABUTS A RESIDENTIAL ZONE (R-30). (THE ADJACENT R-30 ZONED PARCEL IS THE LOCATION OF THE WEST WINDSOR PUBLIC WORKS DEPARTMENT)	WAIVER
	P(6)(C)(1)(B). PRESERVE EXISTING TREES WITHIN THE LANDSCAPE BUFFER AREA. IF EXISTING VEGETATION IS INSUFFICIENT, THE LANDSCAPE STRIP SHALL BE SUPPLEMENTED WITH NEW UNDERSTORY PLANTINGS OF SHADE-TOLERANT CONIFEROUS AND ORNAMENTAL TREES IN NATURALISTIC GROUPINGS.	EXISTING TREES HAVE BEEN PRESERVED WHERE ALLOWABLE. SCREENING PLANTINGS CONSISTING OF DECIDUOUS AND EVERGREEN SHRUBS HAS BEEN PROVIDED AROUND THE PERIMETER OF ALL PARKING AREAS WHERE AVAILABLE.	COMPLIES
	P(6)(C)(1)(C). IN AREAS OF NECESSARY DISTURBANCE, EXISTING QUALITY VEGETATION SHALL BE RELOCATED FOR USE IN OTHER AREAS. DETAILED PLANS FOR TREE REMOVAL AND RELOCATION MUST BE MADE ON PLANS AND IN THE FIELD (TAG TREES) FOR REVIEW AND INSPECTION.	EXISTING TREES HAVE BEEN PRESERVED WHERE ALLOWABLE.	COMPLIES
	P(6)(C)(2)(A). IN AREAS VOID OF EXISTING VEGETATION, THE FOLLOWING STANDARDS SHALL APPLY: PROVIDE GENTLE BERMING WITH MASSES AND GROUPINGS OF EVERGREEN, SHADE AND ORNAMENTAL TREES AND SHRUBS. THE PLANTING MAY BE PREDOMINANTLY MIXED VARIETIES OF SHADE TREES AND EVERGREEN SHRUBS. PARKED CARS SHALL BE SCREENED FROM ALL VEHICULAR AND PEDESTRIAN VIEWS. SHRUBS USED TO SCREEN HEADLIGHT GLARE SHALL BE SPACED A MINIMUM	SHADE TREES HAVE BEEN PROVIDED THROUGHOUT THE PARKING AREAS. SCREENING HAS BEEN PROVIDED AROUND THE PERIMETER OF ALL PARKING AREAS TO SCREEN HEADLIGHT GLARE.	COMPLIES
	OF TWO FEET ON CENTER AS A DOUBLE ROW. P(6)(C)(2)(B). THE LANDSCAPE DESIGN SHALL PROVIDE SHADE FOR PARKING AREAS AND EVERGREEN AND ORNAMENTAL TREES TO SCREEN NUISANCES AND	SHADE TREES HAVE BEEN PROVIDED THROUGHOUT THE PARKING AREA WHERE ALLOWABLE.	COMPLIES
	EMPHASIZE APPROPRIATE VIEWS. P(6)(C)(2)(C). ALL PLANTS SHALL BE TOLERANT OF HARSH ROADSIDE CONDITIONS. P(6)(C)(2)(E). MINIMUM PLANT SIZES SHALL BE SHADE	PROPOSED PLANTINGS ARE TOLERANT OF HARSH ROADSIDE CONDITIONS. SHADE TREES HAVE BEEN PROPOSED AT A MINIMUM	COMPLIES
	TREES TWO INCHES TO 2 1/2 INCHES CALIPER, EVERGREEN AND ORNAMENTAL TREES FOUR FEET TO FIVE FEET HEIGHT AND SHRUBS TWO FEET HEIGHT. P(6)(C)(2)(F). IRRIGATION OF ALL OPEN SPACE/PLANTING AREAS WITHIN NONRESIDENTIAL DEVELOPMENTS SHALL	2 1/2 INCHES IN CALIPER. EVERGREEN TREES HAVE BEEN PROPOSED AT A MINIMUM 6-7 FEET IN HEIGHT. ORNAMENTAL TREES HAVE BEEN PROPOSED AT A MINIMUM 2 1/2 INCHES IN CALIPER IN HEIGHT. -(REFER TO PLANT SCHEDULE FOR PLANT SIZES.)- REFER TO IRRIGATION NOTE ON PLAN.	COMPLIES
	BE PROVIDED. P(7)(C). TREES WITHIN THE PARKING AREAS SHALL BE PROVIDED AT A MINIMUM RATE OF TWO TREES PER 10 PARKING SPACES. PRESERVATION OR RELOCATION OF EXISTING TREES GREATER THAN FIVE INCHES IN CALIPER IS ENCOURAGED TO MEET THIS REQUIREMENT. LANDSCAPE BUFFER OR PARKING AREA PERIMETER	TOTAL PARKING SPACES: 97 REQUIRED: 97 SPACES / 10 = 9.7 X 2 = 19.4 OR 20 TREES PROPOSED: 20 TREES	COMPLIES
	PLANTINGS DO NOT SATISFY THIS REQUIREMENT. P(7)(D). ANY PARKING AREA IN A FRONT YARD OR WITHIN CLEAR VIEW FROM THE PUBLIC RIGHT-OF-WAY SHALL BE SCREENED FROM VIEW BY A LANDSCAPE BUFFER AREA.	SCREENING HAS BEEN PROVIDED AROUND THE PERIMETER OF ALL PARKING AREAS WHERE AVAILABLE.	COMPLIES
	P(7)(E). PARKING AREAS SHALL BE SCREENED FROM INTERIOR DRIVES USING EVERGREEN, DECIDUOUS AND FLOWERING TREES AND SHRUBS TO CREATE A CONTINUOUS LANDSCAPE STRIP OF 10 FEET MINIMUM WIDTH. CONSIDER INTEGRATION OF PEDESTRIAN WALKWAYS WITHIN THESE STRIPS.	SCREENING CONSISTING OF EVERGREEN, DECIDUOUS, AND ORNAMENTAL TREES AND SHRUBS HAS BEEN PROVIDED AROUND THE PERIMETER OF ALL PARKING AREAS WHERE AVAILABLE. A MINIMUM LANDSCAPE STRIP OF 10 FEET HAS BEEN PROVIDED ALONG ALL PERIMETER PARKING AREAS.	COMPLIES
	P(7)(G). PLANT SIZES SHALL BE A MINIMUM 2 1/2 INCHES TO THREE INCHES CALIPER FOR SHADE TREES, FIVE FEET TO SIX FEET HEIGHT FOR EVERGREEN AND ORNAMENTAL TREES AND TWO FEET HEIGHT FOR SHRUBS.	SHADE TREES HAVE BEEN PROPOSED AT A MINIMUM 2 1/2 INCHES IN CALIPER. EVERGREEN TREES HAVE BEEN PROPOSED AT A MINIMUM 6-7 IN HEIGHT. ORNAMENTAL TREES HAVE BEEN PROPOSED AT A MINIMUM 2 1/2 INCHES IN CALIPER. SHRUBS HAVE BEEN PROPOSED AT A MINIMUM HEIGHT OF 2 FEET.	COMPLIES

SECTION	REQUIREMENT P(8)(B), PEDESTRIAN SPACES, THE OBJECTIVES OF LANDSCAPE	CALCULATIONS PLANTINGS HAVE BEEN PROPOSED ALONG	COMPLIAN
	P(O)(B). PEDESTRIAN SPACES. THE OBJECTIVES OF LANDSCAPE ARCHITECTURAL TREATMENT OF PEDESTRIAN ACCESS SHALL BE TO PROMOTE FREE AND SAFE MOVEMENT OF PEDESTRIANS AND BICYCLES INTO, IN BETWEEN AND THROUGH THE PROPOSED AND EXISTING FACILITIES AND TO PROVIDE PLEASANT PEDESTRIAN SPACES AT BUILDING ENTRANCES AND NODES. THE FOLLOWING STANDARDS SHALL APPLY: THE LAYOUT OF PEDESTRIAN WALKWAYS SHALL BE CONSISTENT WITH THE OVERALL DESIGN. IN NATURAL LANDSCAPES, WALKWAYS SHALL MEANDER THROUGH PLANTINGS AND BERMS. FORMAL LANDSCAPES MAY REQUIRE LONG STRAIGHT WALKWAYS. THE VIEWS OF THE PEDESTRIAN SHALL BE	PEDESTRIAN PATHWAYS WHERE ALLOWABLE.	COMPLIES
	VISUALLY INTERESTING. P(8)(C). PLANTINGS ALONG PATHWAYS SHALL PROVIDE SHADE, ORIENTATION AND VIEWS. P(8)(D). PROVIDE BENCHES AND SITTING AREAS ALONG PATHWAYS WHERE APPROPRIATE AND PARTICULARLY WHERE THEY CAN INCORPORATE OR PROVIDE VIEWS OF A	TREES HAVE BEEN PROVIDED ALONG PATHWAYS WHERE ALLOWABLE. BENCHES HAVE BEEN PROVIDED AT SIDEWALKS ALONG FRONTAGE.	COMPLIES
CHAPTER 200	SIGNIFICANT LANDSCAPE FEATURE, RECREATIONAL FACILITY OR INTERESTING SITE DESIGN OF THE PROJECT. P(8)(I). BICYCLE PARKING FOR EACH BUILDING, ADEQUATE	BICYCLE PARKING HAS BEEN PROVIDED FOR EACH	COMPLIES
PRINT, PERSISTAND SPACES, THE QUESTIONS OF LANGUAGE ARCHITECTURIAL TREATMENT OF PERSISTAND AND CORS SINCE, AND DESCRIPTION OF THE PERSISTAND AND CONTROL OF			
	STRUCTURES AND LANDMARKS. LAND DEVELOPMENTS IN WEST WINDSOR TOWNSHIP SHALL BE DESIGNED TO PRESERVE AND UTILIZE THESE AMENITIES AS FEATURES. THE ARCHITECTURAL, SITE PLAN AND LANDSCAPE ARCHITECTURAL DESIGN SHALL UTILIZE THESE AMENITIES FOR DESIGN THEMES, PRESERVING THEIR HERITAGE AND ENHANCING THEIR SIGNIFICANCE. THE FOLLOWING STANDARDS SHALL APPLY: PROVIDE LANDSCAPING AS REQUIRED, INTEGRATED WITH EXISTING VEGETATION OR HISTORIC LANDSCAPE THEMES.		COMPLIES
	SPÉCIFICATION SHALL BE PROVIDED IN CONJUNCTION WITH ALL APPROVED SUBDIVISIONS AS TO STREET TREES, COMMON OPEN SPACE AND AREAS TO BE DEDICATED TO THE PUBLIC AND ALL APPROVED SITE PLANS. IN ADDITION, A COPY OF THE REVERSE FRONTAGE MAINTENANCE SPECIFICATIONS FOR THE TASKS OUTLINED IN THE MAINTENANCE MATRIX FOR THIS AREA MUST BE PROVIDED TO ALL OWNERS OF FEE SIMPLE REVERSE		COMPLIES
CHAPTER 200 LAND USE	BUFFER SATISFACTORY TO THE PLANNING BOARD OF NOT LESS THAN 25 FEET IN WIDTH SHALL BE PROVIDED AND MAINTAINED BY THE OWNER OR LESSEE OF A PROPERTY BETWEEN ANY NONRESIDENTIAL USE AND CONTIGUOUS	ALONG THE NORTHERN AND EASTERN PROPERTY LINE WHERE THE SITE ABUTS A SIMILAR USE. A MINIMUM 10-FOOT BUFFER HAS BEEN PROVIDED ALONG THE WESTERN AND SOUTHERN PROPERTY LINES WHERE THE SITE ABUTS A NONRESIDENTIAL USE. A MINIMUM 25-FOOT BUFFER HAS BEEN PROVIDED AT THE SOUTHEASTERN PROPERTY CORNER WHERE THE SITE ABUTS A RESIDENTIAL ZONE (R-30). (THE ADJACENT R-30 ZONED PARCEL IS THE LOCATION OF THE WEST WINDSOR PUBLIC	WAIVER
LANDSCAPE TRANSITION BUFFERS, STRIPS, FENCES; SCREENING OF NONRESIDENTIAL FROM RESIDENTIAL	STRIP OF AT LEAST 10 FEET IN WIDTH, OR, IN LIEU THEREOF, A FENCE, SHALL BE PROVIDED AND MAINTAINED BY THE OWNER OR LESSEE OF A PROPERTY WITHIN LANDSCAPE TRANSITION BUFFERS OR IN ANY CASE WHERE A NONRESIDENTIAL USE AS PERMITTED IN THIS PART 4 IS CONTIGUOUS TO OR ABUTS UPON ANY PROPERTY OR AREA CLASSIFIED FOR RESIDENTIAL PURPOSES OR THE REAR OR EITHER SIDE LINE WHICH ABUTS UPON A STREET SEPARATING IT FROM ANY PROPERTY	ALONG THE NORTHERN AND EASTERN PROPERTY LINE WHERE THE SITE ABUTS A SIMILAR USE. A MINIMUM 10-FOOT BUFFER HAS BEEN PROVIDED ALONG THE WESTERN AND SOUTHERN PROPERTY LINES WHERE THE SITE ABUTS A NONRESIDENTIAL	COMPLIES
USES	SUCH A TYPE AND DESIGNED IN SUCH MANNER AS TO OBSCURE FROM VIEW AT GROUND LEVEL SUCH NONRESIDENTIAL PROPERTY FROM THE CONTIGUOUS OR ABUTTING OR NEIGHBORING RESIDENTIAL PROPERTIES AND BE CONSTRUCTED OF MATERIALS AND BE OF A DESIGN SUBJECT TO THE SPECIAL REQUIREMENTS FOR SUCH STRIPS, SCREENS OR FENCES AS STIPULATED IN PART 1, SITE PLAN REVIEW, OF THIS CHAPTER. SUCH PLANTING STRIP, SCREEN OR FENCE SHALL BE NOT LESS THAN SIX FEET HIGH AT THE TIME OF INSTALLATION, NOR SHALL A FENCE BE MORE THAN EIGHT	HAS BEEN PROVIDED ALONG THE PERIMETER OF	COMPLIES
	PROVISIONS OF THIS PART 4 NOTWITHSTANDING, IN ANY NONRESIDENTIAL DISTRICT, THE ENTIRE LOT, EXCEPT FOR AREAS COVERED BY BUILDINGS OR SURFACED AS PARKING, RECREATION OR SERVICE AREAS, SHALL BE SEEDED, SODDED OR PLANTED WITH GROUND COVER AND SUITABLY LANDSCAPED IN ACCORDANCE WITH AN OVERALL LANDSCAPE PLAN CONSISTENT WITH THE NATURAL SURROUNDINGS. ALL LANDSCAPING SHALL BE PROPERLY MAINTAINED THROUGHOUT THE LIFE OF ANY USE ON SAID LOT. EXISTING TREES OR LANDSCAPING LOCATED WITHIN 20 FEET OF ANY STREET LINE, LOT OR ZONING DISTRICT LINE SHALL NOT BE REMOVED, EXCEPT UPON WRITTEN APPROVAL BY THE PLANNING BOARD, NOR SHALL THE EXISTING GRADE WITHIN THAT SPACE BE	HAVE BEEN PROVIDED THROUGHOUT THE SITE	COMPLIES
	FRONT YARD AREAS. SO AS TO OBSTRUCT FROM VIEW AT THE STREET LINE ANY PARKING AREA IN THE FRONT YARD, THE FRONT YARD AREA NOT CONTAINING PARKING SHALL CONTAIN A LANDSCAPE STRIP OR SCREEN. LANDSCAPED EARTH BERMS MAY ALSO BE USED IN FRONT YARD AREAS WHERE THERE IS SUFFICIENT AREA TO ALLOW FOR THEIR CONSTRUCTION AND LONG TERM MAINTENANCE. SUCH LANDSCAPING SHALL BE SUBJECT TO THE APPROVAL OF THE PLANNING BOARD AND SHALL BE MAINTAINED THROUGHOUT THE EFFECTIVE PERIOD	HAS BEEN PROVIDED ALONG THE PERIMETER OF	COMPLIES
	PARKING AREA WITH 50 OR MORE SPACES SHALL, NOTWITHSTANDING OTHER REQUIREMENTS OF THIS PART 4 AND PART 1, SITE PLAN REVIEW, OF THIS CHAPTER, PROVIDE	REQUIRED: 30,750 SF X 5% = 1,537.5 SF	COMPLIES
	D. SCREENING OF OUTDOOR STORAGE. ANY ARTICLE OR MATERIAL STORED OUTSIDE AN ENCLOSED BUILDING AS AN INCIDENTAL PART OF THE PRIMARY OPERATION ON A LOT	SCREEN ALL PROPOSED OUTDOOR STORAGE	COMPLIES

NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. CUT BANDS OF WIRE BASKET AND FOLD BURLAP BACK 1/3 FROM TOP OF ROOT BALL. PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL. AVOID PURCHASING TREES WITH TWO LEADERS OR - SET ROOT BALL FLUSH TO GRADE OR SEVERAL REMOVE ONE AT PLANTING: OTHERWISE, DO NOT INCHES HIGHER IN POORLY DRAINING SOILS. PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS. — 4" BUILT-UP EARTH SAUCER 3" DOUBLE-SHREDDED DO NOT STAKE OR HARDWOOD BARK MULCH (DO WRAP TRUNK NOT PLACE MULCH IN CONTACT WITH TREE TRUNK) TWICE THE WIDTH OF THE ROOT BALL BEFORE PLANTING ADD 3 T 4" OF WELL-COMPOSTED PREPARED SOIL FOR TREES 1 WASTE TO BED AND TILL PART PEAT MOSS 1 PART COW INTO TOP 6" OF PREPARED MANURE 3 PARTS TOPSOIL IDISTURBED SUBGRADE 4-6" DEEPER THAN ROOT BALL DIG WIDE, SHALLOW HOLE WITH CUT BANDS OF WIRE BASKET AND FOLD AWAY TAMPED SIDES TAMP SOIL SOLIDLY AROUND BASE OF ROOT BALL $\stackrel{\prime}{-}$ SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE EVERGREEN TREE PLANTING DETAIL NOT TO SCALE (L101104-01/2013) NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. CUT BANDS OF WIRE BASKET AND FOLD BURLAP BACK 1/3 FROM TOP OF ROOT BALL. PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS NEW SOIL IS ADDED, IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL AVOID PURCHASING TREES WITH TWO LEADERS OR -- SET ROOT BALL FLUSH TO GRADE OR REMOVE ONE AT PLANTING: OTHERWISE, DO NOT SEVERAL INCHES HIGHER IN POORLY PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC DRAINING SOILS. STRUCTURAL CORRECTIONS — 4" BUILT-UP EARTH SAUCER 3" DOUBLE-SHREDDED DO NOT STAKE OR HARDWOOD BARK MULCH (DO WRAP TRUNK NOT PLACE MULCH IN CONTACT 48" RIGID PLASTIC MESH TREE -WITH TREE TRUNK) GUARD, 4" DIA. (A.M. LEONARD OR APPROVED EQUAL) BEFORE PLANTING ADD 3 TO TWICE THE WIDTH OF -4" OF WELL-COMPOSTED THE ROOT BALL LEAVES OR RECYCLED YARD WASTE TO BED AND TILL PREPARED SOIL FOR TREES 1 -INTO TOP 6" OF PREPARED UNDISTURBED SUBGRADE 4-6" DEEPER THAN ROOT BALL DIG WIDE, SHALLOW HOLE WITH -CUT BANDS OF WIRE BASKET AND FOLD AWAY FROM TOP OF ROOT BALL TAMP SOIL SOLIDLY AROUND BASE - $^{\prime}$ SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE OF ROOT BALL **DECIDUOUS TREE PLANTING** DETAIL NOT TO SCALE (L101103-01/2013)(MODIFIED) PLANT MATERIAL SPACED AS SPECIFIED ON CENTER (O.C.) (SEE SPACING ON LANDSCAPE INCORPORATE 2" OF PEAT INTO 6" OF -PLANTING MIXTURE, AS SPECIFIED 2-3" SHREDDED HARDWOOD EXISTING SUBSOIL PERENNIAL/GROUND COVER PLANTING DETAIL NOT TO SCALE (L101101-01/2013)

FOR CONTAINER-GROWN SHRUBS, PLANT SHALL BE TRANSPLANTED AT THE SAME GRADE AS IN THE CONTAINER. REMOVE THE PLANT SHALL BE TRANSPLANTED AT CONTAINER, USE FINGER OR SMALL HAND TOOLS TO PULL THE ROOTS THE SAME GRADE AS IT BORE IN THE OUT OF THE OUTER LAYER OF POTTING SOIL: THEN CUT OR PUL NURSERY PLOT PRIOR TO BALLING APART ANY ROOTS THAT CIRCLE THE PERIMETER OF THE CONTAINER AND BURLAPPING, CUT AND REMOVE - 3" DOUBLE-SHREDDED HARDWOOD BARK MULCH (DO BURLAP FROM TOP ONE-THIRD OF NOT PUT MULCH AGAINST THE BASE OF THE PLANT). ROOT BALL AS SHOWN. FINISHED GRADE 1 PART PEAT MOSS 1 PART COW MANURE 3 PARTS TOPSOIL PLANTING MIXTURE WILL UNDISTURBED SUBGRADE CHANGE WITH SOIL CONDITIONS. - PLACE SHRUB ON FIRM REFORE PLANTING, ADD 3 TO 4" -SOIL IN BOTTOM OF HOLE OF WELL-COMPOSTED LEAVES 24" MINIMUM AND RECYCLED YARD WASTE TO SOIL SURFACE ROUGHENED BED AND TILL INTO TOP 6" OF DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL NOT TO SCALE (L101102-01/2013)

LANDSCAPE SPECIFICATIONS

F. PLANT MATERIAL

1. SCOPE OF WORK:

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

STABILIZATION METHODS INDICATED WITHIN THE SEEDING SPECIFICATION ON THE LANDSCAPE NOTES AND DETAILS SHEET

CONTRACTED BY THE GENERAL CONTRACTOR.

2. MATERIALS:

A. GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE MOST CURRENT VERSION OF THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.

B. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT OF NOT LESS THAN 5% BY WEIGHT AND A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FRI OF ALL DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.

C. LAWN - ALL DISTURBED AREAS ARE TO BE COVERED WITH A MINIMUM 5" THICK LAYER OF TOPSOIL AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT

a. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.
 b. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS OF AT LEAST ¾". SOD INSTALLED ON SLOPES GREATER THAN 4:1
 SHALL BE PEGGED TO HOLD THE SOD IN PLACE.
 D. MILLER AND READ FROM SUITE WITH A 3" THICK LAYER OF DOUBLE SUPERDED HARDWOOD BARK MILLOU LINE ESS OTHERWISE SPECIFIED OR

D. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE SPECIFIED OR DEPICTED ON THE LANDSCAPE PLAN.

E. FERTILIZER

a. 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.

b. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE AS SPECIFIED OR, AS A MINIMUM, 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE PURCHASED OR APPLIED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY AND THE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT OR ENGINEER.

a. 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 (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).
 b. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.

c. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER BOTANICAL NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.
 d. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 11/4", WHICH HAVE NOT BEEN COMPLETELY CALLUSED, SHALL BI

REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.

e. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL EXHIBIT NORMAL GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.

f. 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.

h. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.
GENERAL WORK PROCEDURES:
A. THE CONTRACTOR SHALL 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.

SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.

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.
SITE PREPARATIONS:

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 THE GENERAL WORK PROCEDURES OUTLINED HEREIN.
B. ALL EXISTING TREES TO BEMAIN SHALL BE DUILIED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUIT OFF AT THE

WITH THE 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. THE 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 THE DURATION OF THE PROJECT AND WARRANTY PERIOD FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. THE CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.

C. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF N.J.S.A. 48:2-74, et seq., THE UNDERGROUND UTILITY PROTECTION ACT. IN PARTICULAR, THE CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL.

TREE PROTECTION:

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 AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.

B. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE', OR APPROVED EQUAL, MOUNTED ON WOOD/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.

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.

SOIL MODIFICATIONS:

A. CONTRACTOR SHALL OBTAIN A SOIL TEST FOR ALL AREAS OF THE SITE AND SUBMIT THE SAME TO THE LANDSCAPE ARCHITECT OR ENGINEER FOR APPROVAL 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 OR DIRECTED BY THE LANDSCAPE ARCHITECT OR ENGINEER, IN WRITING, 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.

D. 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.

E. 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.

F. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

7. FINISHED GRADING
 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 SITE.
 B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT A PROPER 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, ÉVEN 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.

8. TOPSOILING
A. CONTRACTOR SHALL PROVIDE A 5" THICK MINIMUM LAYER OF TOPSOIL 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, UPON THE PROVISION OF A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY AND THE SUBMISSION TO AND APPROVAL BY THE

PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.

C. 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

LANDSCAPE ARCHITECT OR ENGINEER, BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN

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):

a. 20 POUNDS 'GROW POWER' OR APPROVED EQUAL

b. 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, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUS' 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

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:

 a. PLANTS: MARCH 15 TO DECEMBER 15

b. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1

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. LANDSCAPE ARCHITECT AND/OR ENGINEER FOR POTENTIAL SUBSTITUTIONS.

CONTRACTOR SHOULD CONTACT APPROVING AGENCY, LANDSCAPE ARCHITECT AND/OR ENGINEER FOR POTENTIAL SUBSTITUTIONS.

G. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS RECOMMENDED THAT THESE SPECIES NOT BE PLANTED DURING THE FALL PLANTING.

ACER RUBRUM
BETULA VARIETIES
CARPINUS VARIETIES
CRATAEGUS VARIETIES
PYRUS VARIETIES
CRATAEGUS VARIETIES
KOELREUTERIA
LIQUIDAMBAR STYRACIFLUA
PLATANUS X ACERIFOLIA
POPULUS VARIETIES
PRUNUS VARIETIES
QUERCUS VARIETIES
LIQUIDAMBAR STYRACIFLUA
TILIA TOMENTOSA

H. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:

a. 1 PART PEAT MOSS
b. 1 PART COMPOSTED COW MANURE BY VOLUME
c. 3 PARTS TOPSOIL BY VOLUME
d. 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:

I IRIODENDRON TUI IPIEERA

2 TABLETS PER 1 GALLON PLANT
3 TABLETS PER 5 GALLON PLANT
4 TABLETS PER 15 GALLON PLANT

7FI KOVA VARIFTIES

WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.

LARGER PLANTS: 2 TABLETS PER ½" CALIPER OF TRUNK
 FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.
 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 O THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.
 K. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE
 GROUND COVER AREAS SHALL RECEIVE A ¼" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE

M. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, PERENNIALS/ANNUALS SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.
 N. 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.

O. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.

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 AT THE OWNER'S REQUEST OR 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 REQUIRED TO ENSURE 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.

2. GUARANTEE

A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF 2 YEARS FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE LANDSCAPE ARCHITECT AND/OR ENGINEER AND 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

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, FOLIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.

3. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

IVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

CE	REV DATE COMMENT		COMMENT	DRAWNDI
	KEV	DATE	COMINENT	CHECKED BY
	1	03/09/2022	REV. PER DRCC	CPR
	'	03/09/2022	COMMENTS	TXL
	2	12/05/2022	REV. PER TOWNSHIP	CPR
		12/03/2022	COMMENTS	TXL
	3	02/21/2023	REV. PER TOWNSHIP	CPR
	3	02/2 1/2023	COMMENTS	TXL
NE	4	04/12/2023	REV. PER TOWNSIP	MED
-		04/12/2023	COMMENTS	TXL
	5	09/18/2023	REV. PER COUNTY	MAI/TDW
ΞD		09/10/2023	ROW IMPROVEMENTS	TXL
	6	11/07/2023	REV. PER TOWNSHIP	MAI
ì		11/0//2023	COMMENTS	TXL
	7	01/12/2024	REV. PER TOWNSHIP	KK
		01/12/2024	COMMENTS	TXL
0				



YOU MUST CALL 811 BEFORE ANY EXCAVATION WHETHER IT'S ON PRIVATE OR PUBLIC LAND.
1-800-272-1000
www.nj1-call.org

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

 PROJECT No.:
 J190844

 DRAWN BY:
 CPR

 CHECKED BY:
 TXL

 DATE:
 11/04/2021

 CAD I.D.:
 J190844-LSCP-7A

PROJECT:
PRELIMINARY &
FINAL MAJOR SITE
PLAN & PRELIMINARY
& FINAL MAJOR

SUBDIVISION PLAN

FOR ———

ER/UDC WEST

WINDSOR LLC
PROPOSED QUICKCHEK FOOD
STORE WITH FUEL SALES AND
RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6

MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR MERCER COUNTY, NEW JERSEY

BOHLER //

30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 668-8300
Fax: (908) 754-4401
www.BohlerEngineering.com

T. LAM

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 47863

NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024

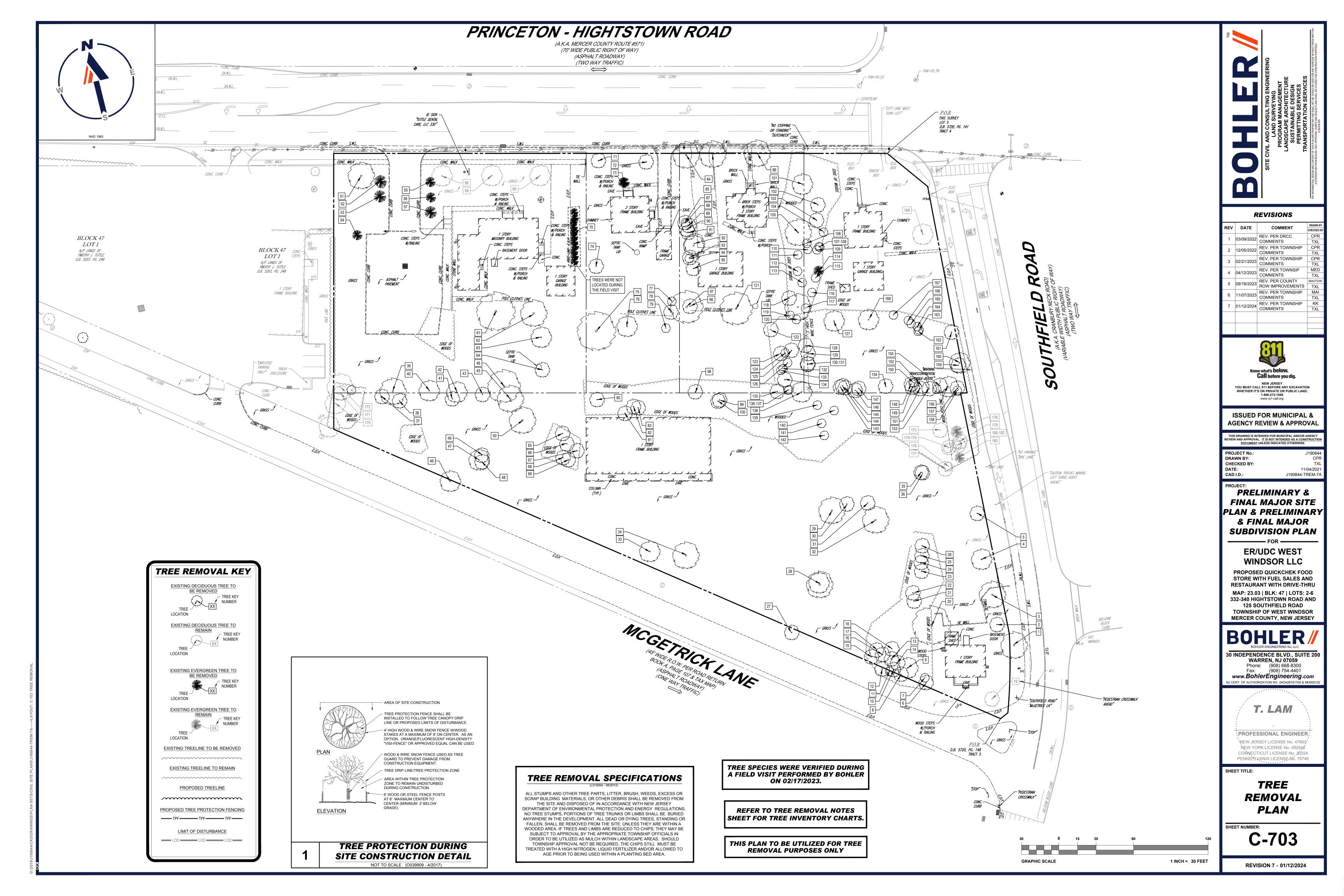
PENNSYLVANIA LICENSE No. 76746

SHEET TITLE:

LANDSCAPE NOTES & DETAILS

SHEET NUMBER:

C-702



TREE INVENTORY						
TREE #	SCIENTIFIC NAME	COMMON NAME	DBH (INCHES)	CONDITION	TBR (Y/N)	
1	JUGLANS NIGRA	BLACK WALNUT	30		Y	
2	PINUS BUNGEANA	LACEBARK PINE	14		Y	
3	PINUS STROBUS	EASTERN WHITE PINE	36		Υ	
4	PINUS STROBUS	EASTERN WHITE PINE	22		Υ	
5	MALUS SPP.	CRABAPPLE	20	POOR	Υ	
6	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	18		Υ	
7	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Υ	
8	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	10		Y	
9	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	22		Υ	
10	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	14		Υ	
11	PRUNUS SEROTINA	BLACK CHERRY	6		Υ	
12	PRUNUS SEROTINA	BLACK CHERRY	8		Υ	
13	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	14		Y	
14	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	16		Y	
15	PRUNUS SEROTINA	BLACK CHERRY	10		Y	
16	PRUNUS SEROTINA	BLACK CHERRY	8	POOR	Y	
17	PRUNUS SEROTINA	BLACK CHERRY	8	1 0010	Y	
18	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	12		Y	
19	BETULA NIGRA	RIVER BIRCH	18		 N	
20	QUERCUS ALBA	WHITE OAK	52	POOR	Y	
21	N/A	N/A	52	DEAD	Y	
	QUERCUS ALBA		20			
22	-	WHITE OAK	38	POOR	Y	
23	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	28		Y	
24	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	22		Y	
25	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	30		Y	
26	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	24		Y	
27	PRUNUS SEROTINA	BLACK CHERRY	16		Y	
28	N/A/	N/A	24.2	DEAD	Y	
29	QUERCUS ALBA	WHITE OAK	48	POOR	Y	
30	QUERCUS ALBA	WHITE OAK	26		Υ	
31	QUERCUS ALBA	WHITE OAK	24		Υ	
32	QUERCUS ALBA	WHITE OAK	42		Y	
33	MALUS SPP.	CRABAPPLE	26		Y	
34	ACER SACCHARINUM	SILVER MAPLE	60	POOR	Υ	
35	QUERCUS ALBA	WHITE OAK	20		Υ	
36	QUERCUS ALBA	WHITE OAK	22		Υ	
37	QUERCUS ALBA	WHITE OAK	18	POOR	Y	
38	QUERCUS ALBA	WHITE OAK	16		Y	
39	QUERCUS ALBA	WHITE OAK	40		Y	
40	QUERCUS ALBA	WHITE OAK	22		Υ	
41	QUERCUS ALBA	WHITE OAK	20		Y	
42	QUERCUS ALBA	WHITE OAK	20		Y	
43	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	16		 Y	
44	QUERCUS ALBA	WHITE OAK	54		Y	
45	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	42		т Ү	
46	PINUS STROBUS	EASTERN WHITE PINE	32		Y	
47	MALUS SPP.	CRABAPPLE	32	POOR	Y	
48	MALUS SPP.	CRABAPPLE	12	POOR	Y	
		SILVER MAPLE	10	POOR	Y	
49	ACER SACCHARINUM			PUUK		
50	ACER SACCHARINUM	SILVER MAPLE	48		Y	
51	QUERCUS ALBA	WHITE OAK	42		Y Y	
52	PINUS STROBUS	EASTERN WHITE PINE	34		Y	
	PINUS STROBUS	EASTERN WHITE PINE	30		Υ	
53 54	N/A	N/A	N/A	DEAD	Y	

	TREE II	NVENTORY			
TREE #	SCIENTIFIC NAME	COMMON NAME	DBH (INCHES)	CONDITION	TBR (Y/N
56	PINUS STROBUS	EASTERN WHITE PINE	24		Y
57	PINUS STROBUS	EASTERN WHITE PINE	28		Υ
58	QUERCUS ALBA	WHITE OAK	30		N
59	QUERCUS ALBA	WHITE OAK	22		N
60	QUERCUS ALBA	WHITE OAK	28		N
61	QUERCUS ALBA	WHITE OAK	62	POOR	Y
62	QUERCUS ALBA	WHITE OAK	48	POOR	Υ
63	QUERCUS ALBA	WHITE OAK	30	POOR	Υ
64	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	16	POOR	Υ
65	ACER SACCHARINUM	SILVER MAPLE	18	POOR	Υ
66	ACER SACCHARINUM	SILVER MAPLE	12	POOR	Υ
67	MALUS SPP.	CRABAPPLE	18	POOR	Υ
68	ACER SACCHARINUM	SILVER MAPLE	20		Y
69	MALUS SPP.	CRABAPPLE	14	POOR	Y
70		EES WERE NOT LOCATED D			<u> </u>
70	MALUS SPP.	CRABAPPLE	24	VIOI1.	Y
72	PRUNUS SEROTINA	CRABAPPLE	24	POOR	<u>т</u> Ү
73	PRUNUS SERUTINA PINUS STROBUS	EASTERN WHITE PINE	22	FUUR	<u> </u>
	N/A	N/A	N/A	DEAD	
74	QUERCUS ALBA			DEAD	Y
75	-	WHITE OAK	72	POOR	Y Y
76	QUERCUS ALBA	WHITE OAK	32	POOR	Y
77	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
78	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	12		Y
79	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Υ
80	N/A	N/A	N/A	DEAD	Υ
81	QUERCUS ALBA	WHITE OAK	20	POOR	Υ
82	QUERCUS ALBA	WHITE OAK	16	POOR	Υ
83	QUERCUS ALBA	WHITE OAK	12	POOR	Y
84	QUERCUS ALBA	WHITE OAK	28		Υ
85	QUERCUS ALBA	WHITE OAK	30		Υ
86	QUERCUS ALBA	WHITE OAK	32		Υ
87	QUERCUS ALBA	WHITE OAK	10		Υ
88	QUERCUS ALBA	WHITE OAK	16		Υ
89	QUERCUS ALBA	WHITE OAK	16		Υ
90	QUERCUS ALBA	WHITE OAK	16		Υ
91	QUERCUS ALBA	WHITE OAK	18	POOR	Υ
92	QUERCUS ALBA	WHITE OAK	38		Υ
93	QUERCUS ALBA	WHITE OAK	28		Υ
94	QUERCUS ALBA	WHITE OAK	8		 Y
95	QUERCUS ALBA	WHITE OAK	20		Y
96	QUERCUS ALBA	WHITE OAK	20		<u>'</u> Y
97	QUERCUS ALBA	WHITE OAK	40		<u>'</u> Y
98	QUERCUS ALBA	WHITE OAK	20		<u>'</u> Y
99	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	20		т Ү
100	JUNIPERUS VIRGINIANA JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	22		Y
	QUERCUS ALBA		20	BOOD	<u> </u>
101		WHITE OAK		POOR	
102	QUERCUS ALBA	WHITE OAK	14	POOR	Y
103	QUERCUS ALBA	WHITE OAK	16		Y
104	QUERCUS ALBA	WHITE OAK	8		Y
105	QUERCUS ALBA	WHITE OAK	28		Y
106	QUERCUS ALBA	WHITE OAK	8		Y
107	QUERCUS ALBA	WHITE OAK	6		Y
108	QUERCUS ALBA	WHITE OAK	6		Υ
109	QUERCUS ALBA	WHITE OAK	6		Υ
110	QUERCUS ALBA	WHITE OAK	8		Υ

DEE "		NVENTORY	DBH (INCHES)	CONDITION	TBR (Y/N)
REE #	SCIENTIFIC NAME	COMMON NAME	, ,	CONDITION	<u> </u>
111	QUERCUS ALBA	WHITE OAK	6		Y
112	QUERCUS ALBA	WHITE OAK	8		Y
113	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	10		Y
114	PINUS STROBUS	EASTERN WHITE PINE	10		Υ
115	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Υ
116	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Υ
117	QUERCUS ALBA	WHITE OAK	6		Υ
118	QUERCUS ALBA	WHITE OAK	12		Υ
119	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
120	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8		Ү
121	N/A	N/A	N/A	DEAD	
122	QUERCUS ALBA	WHITE OAK	16	DLAD	<u>'</u> Ү
123	QUERCUS ALBA	WHITE OAK WHITE OAK	20		Y
124	QUERCUS ALBA	WHITE OAK	6		ΥΥ
125	QUERCUS ALBA	WHITE OAK	14		Y
126	QUERCUS ALBA	WHITE OAK	8		Y
127	QUERCUS ALBA	WHITE OAK	30		Y
128	QUERCUS ALBA	WHITE OAK	14		Υ
129	QUERCUS ALBA	WHITE OAK	16		Υ
130	QUERCUS ALBA	WHITE OAK	14		Y
131	QUERCUS ALBA	WHITE OAK	14		Υ
132	QUERCUS ALBA	WHITE OAK	8		Y
133	QUERCUS ALBA	WHITE OAK	8		Y
134	QUERCUS ALBA	WHITE OAK	18	POOR	<u>'</u> Ү
135	QUERCUS ALBA	WHITE OAK WHITE OAK	16	POOR	Y
136	QUERCUS ALBA	WHITE OAK	8	POOR	Y
137	QUERCUS ALBA	WHITE OAK	8	POOR	Y
138	QUERCUS ALBA	WHITE OAK	34		Y
139	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Y
140	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6		Υ
141	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8	POOR	Υ
142	QUERCUS ALBA	WHITE OAK	6		Υ
143	QUERCUS ALBA	WHITE OAK	14		Υ
144	QUERCUS ALBA	WHITE OAK	16		Υ
145	QUERCUS ALBA	WHITE OAK	18		Υ
146	QUERCUS ALBA	WHITE OAK	20		Y
147	QUERCUS ALBA	WHITE OAK	22		<u>·</u> Y
148	QUERCUS ALBA	WHITE OAK	12	POOR	<u>'</u> Ү
149	QUERCUS ALBA	WHITE OAK	14	POOR	Y
	QUERCUS ALBA			POUR	
150		WHITE OAK	8	DOOD	Y
151	QUERCUS ALBA	WHITE OAK	20	POOR	Y
152	QUERCUS ALBA	WHITE OAK	20		Y
153	QUERCUS ALBA	WHITE OAK	22		Y
154	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	20		Y
155	QUERCUS ALBA	WHITE OAK	24		Υ
156	QUERCUS ALBA	WHITE OAK	30		Υ
157	QUERCUS ALBA	WHITE OAK	18	POOR	Υ
158	QUERCUS ALBA	WHITE OAK	16		Y
159	ACER PLATANOIDES	NORWAY MAPLE	22		Υ
160	ACER PLATANOIDES	NORWAY MAPLE	32		Υ
161	ACER RUBRUM	RED MAPLE	30		Y
162	QUERCUS ALBA	WHITE OAK	20		Y
163	QUERCUS ALBA	WHITE OAK	14		
164	QUERCUS ALBA	WHITE OAK	18		Y
165	QUERCUS ALBA	WHITE OAK	20		Y
166	QUERCUS ALBA	WHITE OAK WHITE OAK	18		Y
167	QUERCUS ALBA	WHITE OAK	24		Y
168	QUERCUS ALBA	WHITE OAK	26		Y
169	ACER RUBRUM	RED MAPLE	24		N
170	PINUS STROBUS	EASTERN WHITE PINE	20		N
171	QERCUS ALBA	WHITE OAK	18		N
172	QERCUS ALBA	WHITE OAK	36		N
173	ACER PLATANOIDES	NORWAY MAPLE	14		N
174	QERCUS ALBA	WHITE OAK	16		N
175	QERCUS ALBA	WHITE OAK	6		N
176	QERCUS ALBA	WHITE OAK	6		N
177	QERCUS ALBA	WHITE OAK	16		N
	QERCUS ALBA	WHITE OAK WHITE OAK			
178			24		N
170	PRUNUS SEROTINA	BLACK CHERRY	12		N
	AFBALIA ** = *				N
180	QERCUS ALBA	WHITE OAK	5		
179 180 181 182	QERCUS ALBA PRUNUS SEROTINA QERCUS ALBA	BLACK CHERRY WHITE OAK	14		N N



REV	DATE	COMMENT	DRAWN BY				
1	03/09/2022	REV. PER DRCC	CPR				
	00/00/2022	COMMENTS	TXL				
2	12/05/2022	REV. PER TOWNSHIP	CPR				
	12/05/2022	COMMENTS	TXL				
_	00/04/0000	REV. PER TOWNSHIP	CPR				
3	02/21/2023	COMMENTS	TXL				
4	04/12/2023	REV. PER TOWNSIP	MED				
		COMMENTS	TXL				
_	00//0/0000	REV. PER COUNTY	MAI/TDW				
5	09/18/2023	ROW IMPROVEMENTS	TXL				
		REV. PER TOWNSHIP	MAI				
6	11/07/2023	COMMENTS	TXL				
_	04/40/0004	REV. PER TOWNSHIP	KK				
7	01/12/2024	COMMENTS	TXL				



NEW JERSEY
YOU MUST CALL 811 BEFORE ANY EXCAVATION
WHETHER IT'S ON PRIVATE OR PUBLIC LAND.
1-800-272-1000
www.nj1-call.org

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:

J190844

 PROJECT No.:
 J190844

 DRAWN BY:
 CPR

 CHECKED BY:
 TXL

 DATE:
 11/04/2021

 CAD I.D.:
 J190844-TREM-7A

PROJECT:
PRELIMINARY &
FINAL MALOR SITE

FINAL MAJOR SITE
PLAN & PRELIMINARY
& FINAL MAJOR
SUBDIVISION PLAN

ER/UDC WEST

WINDSOR LLC
PROPOSED QUICKCHEK FOOD
STORE WITH FUEL SALES AND

RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
332-340 HIGHTSTOWN ROAD AND
125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR
MERCER COUNTY, NEW JERSEY

BOHLER MODILER ENGINEERING NJ, LLC

30 INDEPENDENCE BLVD., SUITE 200
WARREN, NJ 07059
Phone: (908) 668-8300
Fax: (908) 754-4401
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24GA28161700 & MH000122

T. LAM

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 47863

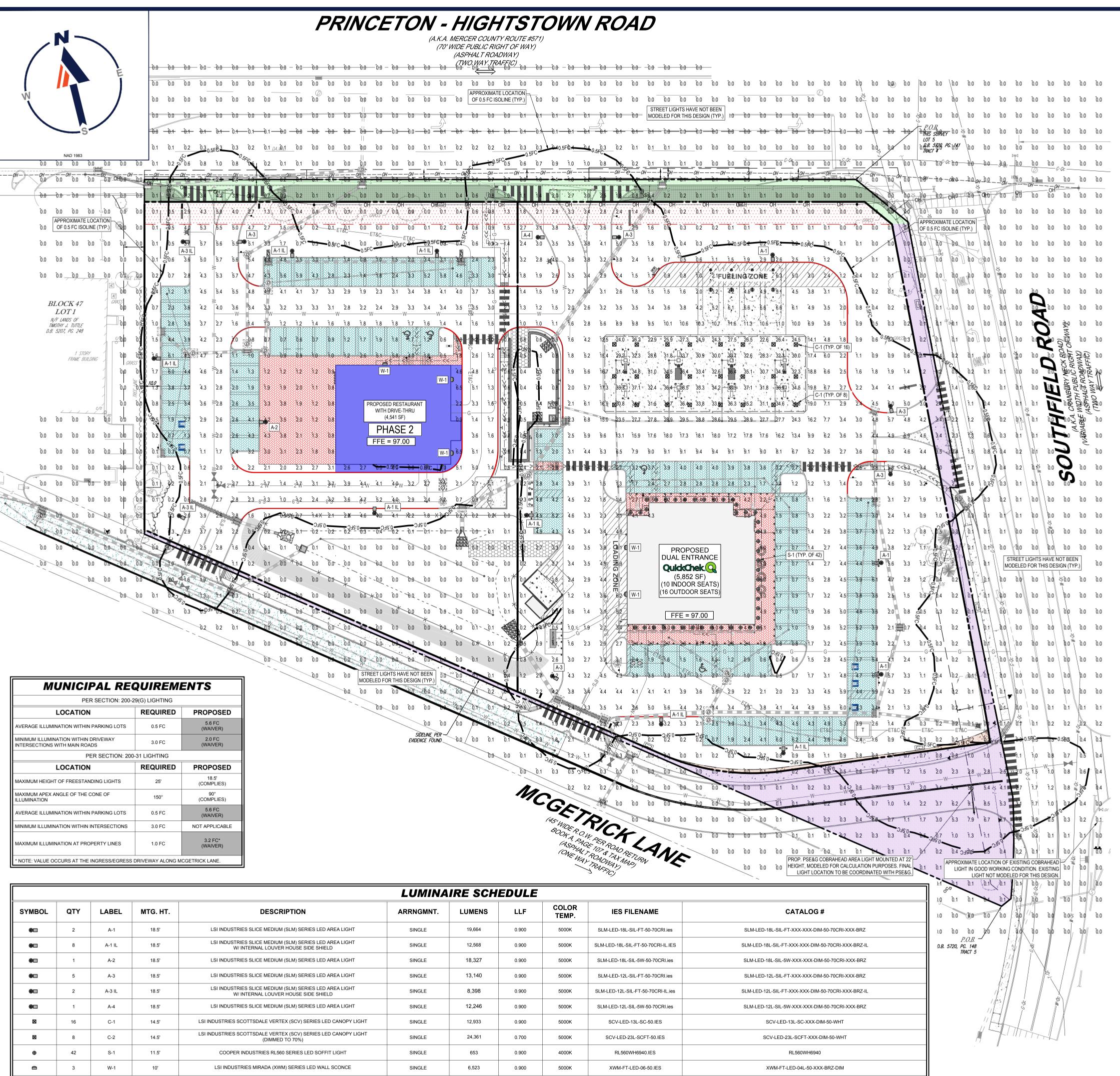
NEW YORK LICENSE No. 092942 CONNECTICUT LICENSE No. 30024 PENNSYLVANIA LICENSE No. 76746

SHEET TITLE:

TREE REMOVAL NOTES

SHEET NUM

C-704



NOTE: EXISTING STREET LIGHTS HAVE NOT BEEN MODELED FOR THIS DESIGN.

LIGHTING NOTES

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.
 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.
 THE LIGHTING PLAN DEPICTS PROPOSED, SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER. ACTUAL

SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE II LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.

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).

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.

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.
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.

9. THE ACTUAL LIGHTING LEVELS MUST BE VERIFIED IN THE FIELD AND FIXTURES ADJUSTED ACCORDINGLY, BY THE CONTRACTOR, TO ACHIEVE THE APPROVED LIGHT LEVELS.

0. ILLUMINATION LEVELS SHOWN ON THE PLAN HAVE BEEN CALCULATED FOR PROPOSED LIGHTS ONLY. ACTUAL ILLUMINATION LEVELS IN THE FIELD MAY

11. ILLUMINATION LEVELS SHOWN ON THE PLAN WERE CALCULATED WITH LIGHTING DESIGN SOFTWARE AGI32 BY LIGHTING ANALYST.



LSI INDUSTRIES SLICE MEDIUM (SLM)
SERIES LED AREA LIGHT
(A-1, A-1 IL, A-2, A-3, A-3 IL & A-4)



LSI INDUSTRIES SCOTTSDALE
VERTEX (SCV) SERIES LED CANOPY
LIGHT (C-1 & C-2)
NOT TO SCALE



LSI INDUSTRIES MIRADA (XWM) SERIES LED WALL SCONCE (W-1)



COOPER LIGHTING 600 SERIES 5" RECESSED LED SOFFIT LIGHT (S-1)

ALL LIGHTS FACING RESIDENTIAL PROPERTIES ARE TO BE DIMMABLE AND ARE TO BE COORDINATED WITH THE TOWSHIP

REFER TO DETAIL SHEET FOR LIGHT POLE FOUNDATION DETAIL

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

REFER TO NOTES AND REFERENCES SHEET FOR ADDITIONAL NOTES, REFERENCES AND SPECIFICATIONS.



AND CONSUITING ENGINEERING

SITE CIVIL AND CO
LANI
PROGRA
LANDSCAI
SUSTA
PERMIT
TRANSPOPE

REV	DATE	COMMENT	DRAWN B
KEV	DATE	COMMENT	CHECKED
1	03/09/2022	REV. PER DRCC	CPR
'	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
	12/03/2022	COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP	CPR
3	02/21/2023	COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
4	04/12/2023	COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDV
5	09/10/2023	ROW IMPROVEMENTS	TXL
6	11/07/2023	REV. PER TOWNSHIP	MAI
0	11/0//2023	COMMENTS	TXL
7	01/12/2024	REV. PER TOWNSHIP	KK
′	01/12/2024	COMMENTS	TXL



NEW JERSEY
YOU MUST CALL 811 BEFORE ANY EXCAVATION
WHETHER IT'S ON PRIVATE OR PUBLIC LAND.
1-800-272-1000

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:

DRAWN BY:

CPR

 PROJECT No.:
 J19084

 DRAWN BY:
 CPI

 CHECKED BY:
 TX

 DATE:
 11/04/202

 CAD I.D.:
 J190844-LGHT-7.

PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR SUBDIVISION PLAN

ER/UDC WEST

WINDSOR LLC
PROPOSED QUICKCHEK FOOD
STORE WITH FUEL SALES AND

RESTAURANT WITH DRIVE-THRU
MAP: 23.03 | BLK: 47 | LOTS: 2-6
332-340 HIGHTSTOWN ROAD AND
125 SOUTHFIELD ROAD
TOWNSHIP OF WEST WINDSOR

MERCER COUNTY, NEW JERSEY

BOHLER //

30 INDEPENDENCE BLVD., SUITE 200 WARREN, NJ 07059 Phone: (908) 668-8300 Fax: (908) 754-4401 www.BohlerEngineering.com

T. LAM

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 47863

NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024

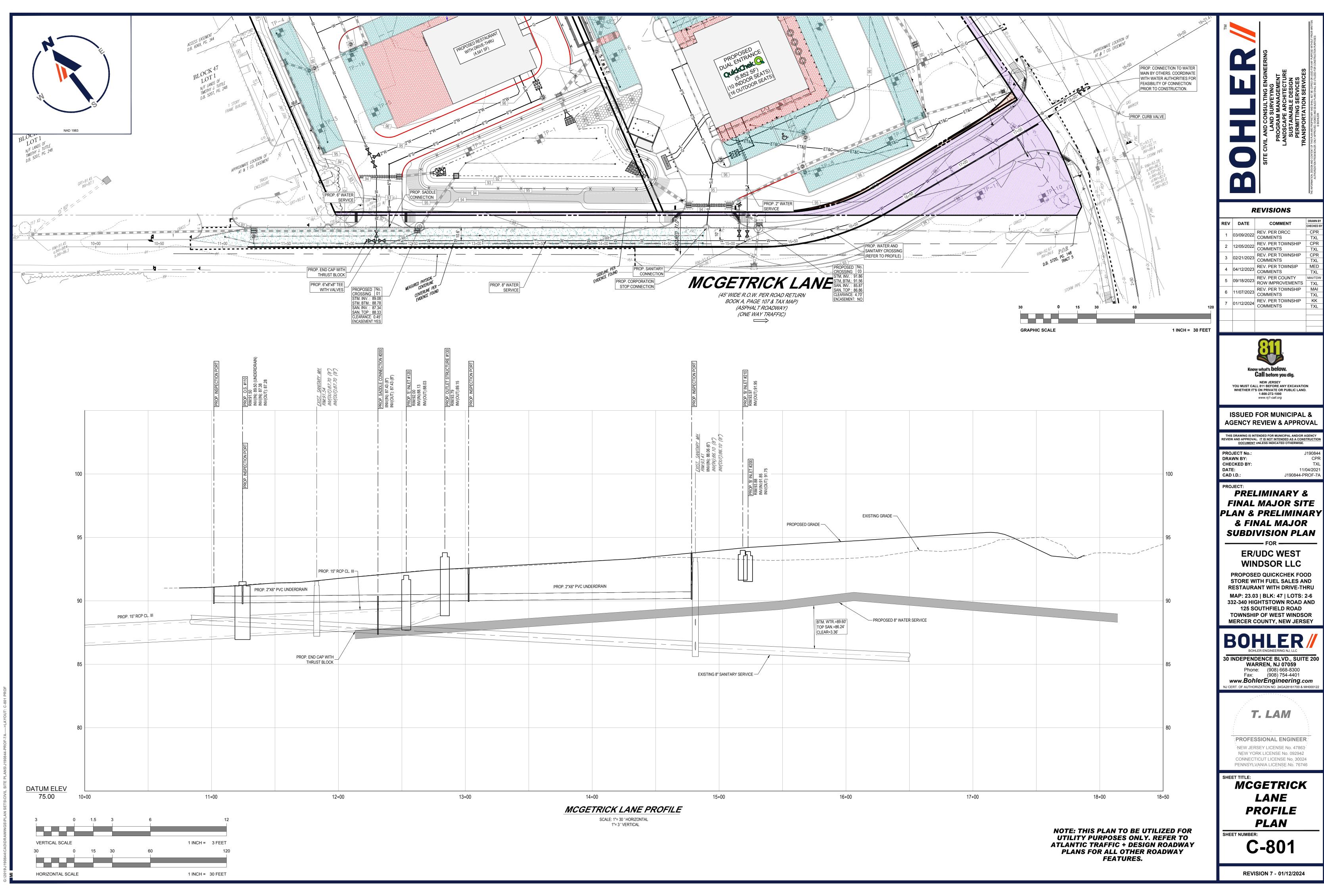
PENNSYLVANIA LICENSE No. 76746

SHEET TITLE:

LIGHTING PLAN

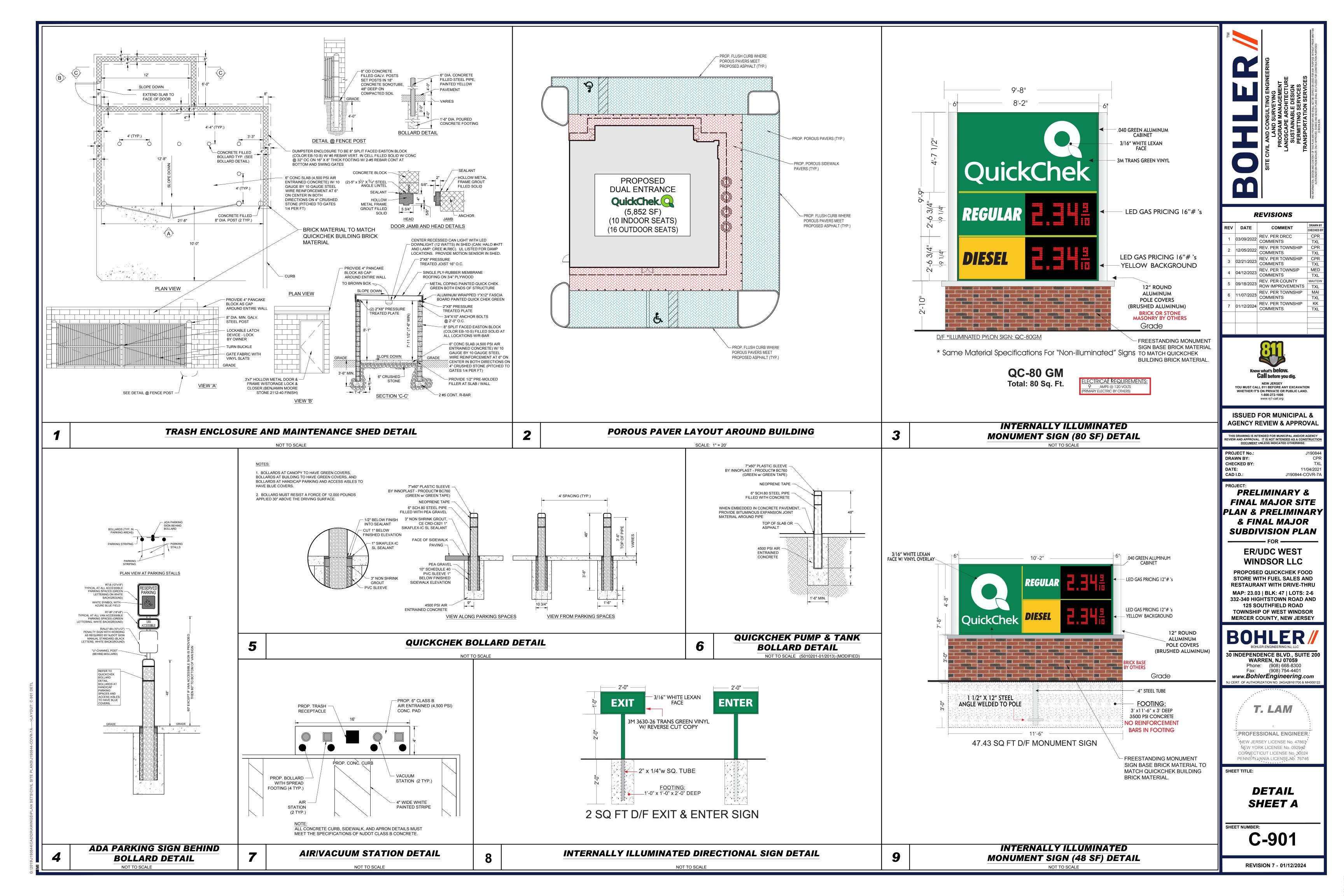
SHEET NUMBER:

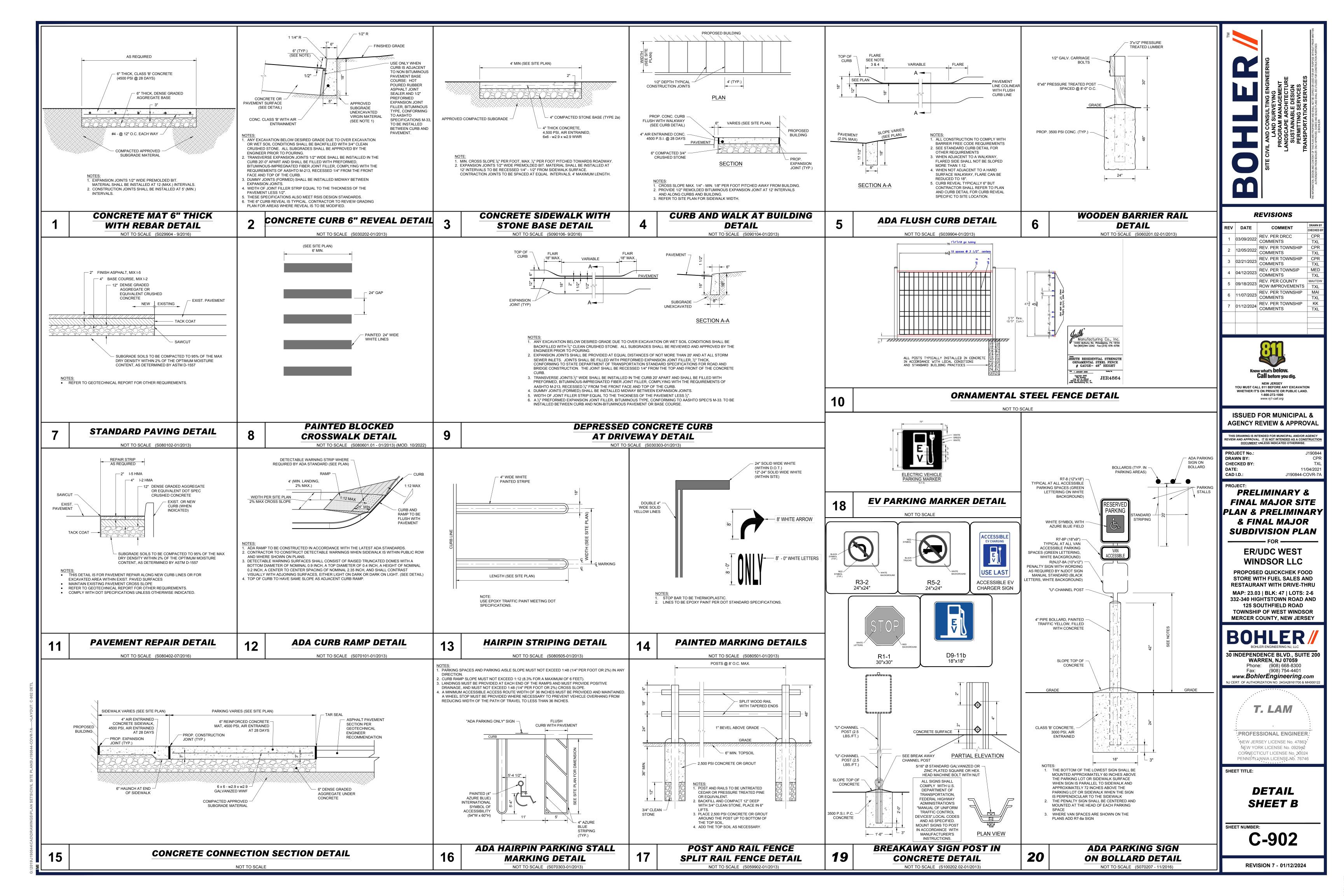
C-705

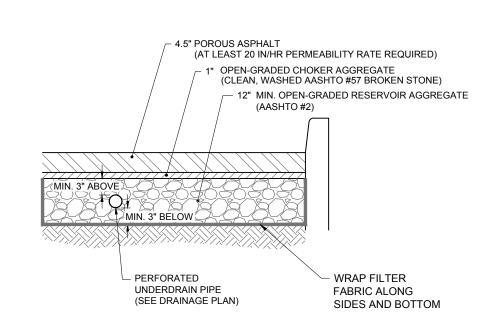


	REV	DATE	COMMENT	DRAWN BY CHECKED BY
	1	03/09/2022	REV. PER DRCC	CPR
	'	03/09/2022	COMMENTS	TXL
	2	12/05/2022	REV. PER TOWNSHIP	CPR
		12/03/2022	COMMENTS	TXL
	2	02/21/2023	REV. PER TOWNSHIP	CPR
	3 02/21/2023		COMMENTS	TXL
	4	04/12/2023	REV. PER TOWNSIP	MED
	4		COMMENTS	TXL
	5	09/18/2023	REV. PER COUNTY	MAI/TDW
	5		ROW IMPROVEMENTS	TXL
	6	11/07/2022	REV. PER TOWNSHIP	MAI
	0	11/07/2023	COMMENTS	TXL
	7	01/12/2024	REV. PER TOWNSHIP	KK
0	′	01/12/2024	COMMENTS	TXL

J190844-PROF-7







1. PERMEABLE ASPHALT SURFACE COURSE TO HAVE 25% POROSITY OR GREATER. FOR PARKING AREAS, A POLYMER MODIFIED BINDER PG 64E-22 MUST BE USED. POROUS PAVEMENT SURFACE COURSE TO HAVE MINIMUM TESTED INFILTRATION RATE OF 6.4 IN/HR (20 IN/HR IF USED FOR STORMWATER QUALITY

2. STORAGE BED AGGREGATE MUST BE PLACED IN LOOSE LIFTS NOT TO EXCEED 6 INCHES AND COMPACTED

3. AT LEAST ONE INSPECTION PORT, WITH A REMOVABLE CAP, MUST BE PROVIDED AT THE UPSTREAM AND

DOWNSTREAM ENDS OF THE PERFORATED SECTION OF THE NETWORK OF PIPES WITH ITS LOCATION

DENOTED IN THE MAINTENANCE PLAN. THE INSPECTION PORT MUST BE PLACED AT LEAST 3 FEET FROM

4. SEALANT, TOP COAT, AND OTHER TREATMENTS SHALL NOT BE USED ON THE POROUS ASPHALT PAVEMENT

5. TESTING MUST BE PERFORMED ON THE SUBSOIL PRIOR TO THE PLACEMENT OF THE STONE STORAGE BED IN ACCORDANCE WITH NJ SWBMP MANUAL CHAPTER 12. WHERE AS-BUILT TESTING SHOWS A LONGER

POROUS PAVEMENT SECTION DETAIL

NOT TO SCALE (S080101-01/2013) (MOD.)

COVER (TYP)

BARS ("F")

REINFORCEMENT TIES ("E") -

REINFORCEMENT

CONCRETE FOUNDATION -

MINIMUM DIAMETER ("C")

COURSE. CONSTRUCTION MAY NOT TAKE PLACE DURING RAIN OR SNOW, NOR WHEN THE SUBSOIL IS

6. POROUS PAVEMENT AREA SHALL BE PROTECTED SEDIMENT-LADEN RUNOFF DURING CONSTRUCTION TO

ANY EDGE. ADDITIONALLY, EACH INSPECTION PORT MUST BE FLUSH WITH THE SURFACE OF THE SURFACE

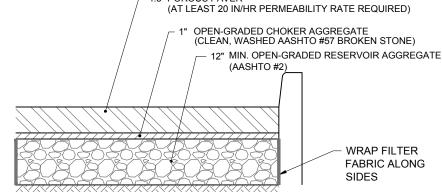
LAYER AND EXTEND DOWN TO THE UNDERDRAIN PIPE NETWORK. THE SIZE OF THE INSPECTION PORT MUST

USING PLATE COMPACTORS PER NJ SWBMP MANUAL.

BE LARGE ENOUGH TO ALLOW FOR MAINTENANCE ACTIVITIES.

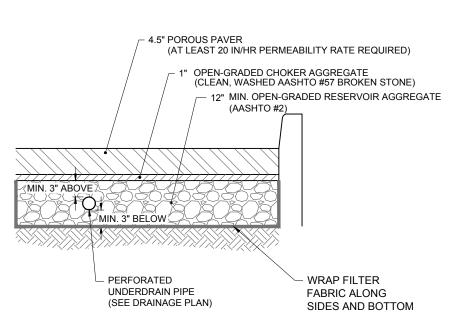
DRAIN TIME THAN DESIGNED, CORRECTIVE ACTION MAY BE REQUIRED.

PP#	MIN. STORAGE BED DEPTH	UNDERDRAIN SIZE
7	12"	2-6"

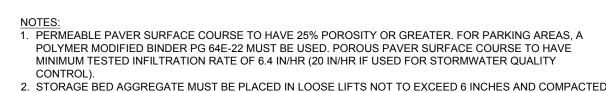


4.5" POROUS PAVER

PP#	MIN. STORAGE BED DEPTH	UNDERDRAIN SIZE
3	30"	NO UNDERDRAINS



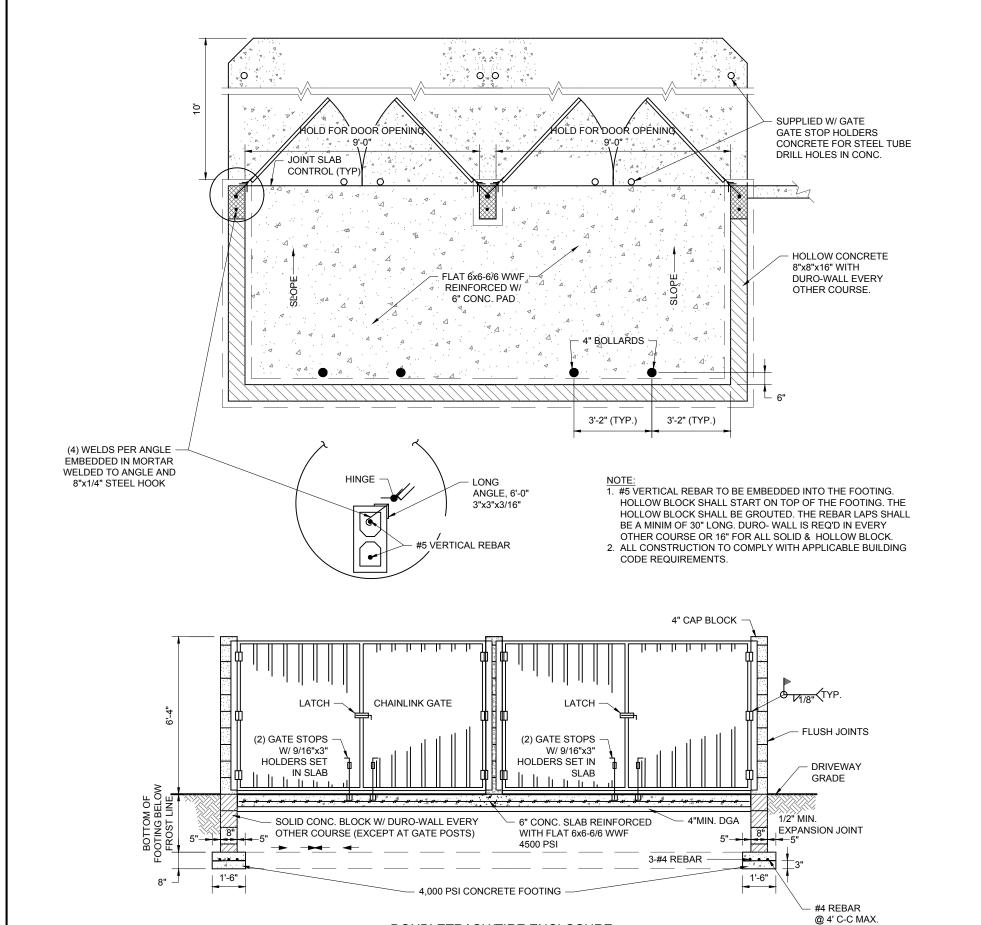
PP#	MIN. STORAGE BED DEPTH	UNDERDRAIN SIZE
1	24"	2-3"
2	24"	6"
4	12"	6"
5	12"	6"
6	12"	6"



- USING PLATE COMPACTORS PER NJ SWBMP MANUAL. 3. AT LEAST ONE INSPECTION PORT, WITH A REMOVABLE CAP, MUST BE PROVIDED IN THE STORAGE BED WITH ITS LOCATION DENOTED IN THE MAINTENANCE PLAN. THE INSPECTION PORT MUST BE PLACED AT LEAST 3 FEET FROM ANY EDGE. ADDITIONALLY, EACH INSPECTION PORT MUST BE FLUSH WITH THE SURFACE OF THE SURFACE LAYER AND EXTEND DOWN 4 – 6 INCHES INTO THE SUBSOIL, AND THE DEPTH OF RUNOFF FOR THE WQDS MUST BE MARKED ON EACH STRUCTURE AND ITS LEVEL INCLUDED IN THE DESIGN REPORT
- 4. SEALANT, TOP COAT, AND OTHER TREATMENTS SHALL NOT BE USED ON THE POROUS PAVER COURSE. CONSTRUCTION MAY NOT TAKE PLACE DURING RAIN OR SNOW. NOR WHEN THE SUBSOIL IS FROZEN. 5. TESTING MUST BE PERFORMED ON THE SUBSOIL PRIOR TO THE PLACEMENT OF THE STONE STORAGE BED

AND MAINTENANCE PLAN.THE SIZE OF THE INSPECTION PORT MUST BE LARGE ENOUGH TO ALLOW FOR

- IN ACCORDANCE WITH NJ SWBMP MANUAL CHAPTER 12. WHERE AS-BUILT TESTING SHOWS A LONGER DRAIN TIME THAN DESIGNED, CORRECTIVE ACTION MAY BE REQUIRED.
- 6. POROUS PAVER AREA SHALL BE PROTECTED SEDIMENT-LADEN RUNOFF DURING CONSTRUCTION TO AVOID



(36" MIN OR WIDTH OF TRAVEL PATH AT CURB LINE) 41-61 MM 41-61 MM TOP VIEW

AVOID REDUCED POROSITY.

50%-65% BASE DIAMETER -0.2 IN. 5 MM

ELEVATION (ENLARGED)

- TRUNCATED DOMES THAT PROVIDE THE DETECTABLE WARNING SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT ON DARK OR DARK ON CONTRACTOR TO INSTALL DETECTABLE WARNING SURFACES WHEN SIDEWALK IS WITHIN
- PUBLIC ROW AND WHERE INDICATED ON THE PLAN. DOMES SHALL HAVE A BASE DIAMETER OF 0.9 IN (23 mm) MIN. TO 1.4 IN (36 mm) MAX, AND A TOP DIAMETER OF 50% TO 65% MAX. OF THE BASE DIAMETER.
- TRUNCATED DOMES SHALL HAVE A HEIGHT OF 0.2" (5.1 mm). TRUNCATED DOMES SHALL HAVE A CENTER TO CENTER SPACING OF 1.6 IN (41 mm) MIN. AND 2.4 IN. (61 mm) MAX. AND A BASE TO BASE SPACING OF 0.65 IN. (16.5 mm) MIN..
- MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID. TRUNCATED DOMES SHALL BE AN INTEGRAL PART OF THE ADA CURB RAMP CONSTRUCTION CONSISTING OF CAST IN PLACE COMPOSITE TILES/MAT. THE TILE/MAT MATERIAL SHALL BE A HOMOGENEOUS GLASS AND CARBON REINFORCED COMPOSITE COLOR FAST AND UV STABLE, COMP. STRENGTH 23,800 PSI ASTM D695 AND FLEXUAL STRENGTH 24.600 PSI ASTM D796. PRECAST CONCRETE PAVER BLOCKS HAVING COMPLIANT TRUNCATED DOMES. MAY ALSO BE USED FOR THE DETECTABLE WARNING
- TRUNCATED DOMES SHALL EXTEND THE FULL WIDTH OF THE TRAVEL PATH EXCLUDING

NOT TO SCALE (S070117-01/2013)

SURFACE. RUBBERIZED MATERIAL TO BE GLUED TO RAMP SURFACE SHALL NOT BE

POROUS PAVER SECTION DETAIL NOT TO SCALE (S080101-01/2013) (MOD.)

18'-6"

SINGLE

#3 TIFS

EQUALLY SPACED

CURB -

FOUNDATION

STALLS

- PARKING

PLAN VIEW AT PARKING STALLS

LIGHT POLE FOUNDATION SCHEDULE

MAXIMUM HEIGHT ABOVE GRADE "A" **

ASSUMED AVERAGE POLE DIAMETER "B"

INIMUM FOUNDATION DIAMETER "C"

VERTICAL HOOKED REINFORCEMENT "F"

ADD 3 TIES, 4" C-C, AT TOP OF THE FOUNDATION

THIS MAY NOT BE ACTUAL MOUNTING HEIGHT, SEE LIGHTING

FOR PRECAST FOUNDATIONS, USE

TO BE COMPACTED TO 98% ASTM

D 698 OPTIMUM DRY PROCTOR

- AUGERED CAST-IN-PLACE OR

PRECAST CONCRETE PIER

AIR-ENTRAINED CONCRETE

FOUNDATION, 3000 PSI

DENSITY IN 6" LOOSE LIFTS

MINIMUM FOUNDATION DEPTH "D"

CONTRACTOR TO ADJUST LENGTH OF POLE

DIFFERENT LOCATIONS, AS NECESSARY TO SET

LIGHTING SCHEDULE. MOUNTING HEIGHT IS TO

LUMINARIES AT MOUNTING HEIGHT INDICATED IN

ELEVATION ADJACENT TO POLE FOUNDATION TO

DEPENDANT ON FOUNDATION HEIGHT IN

BE MEASURED FROM GROUND SURFACE

- ANCHOR BOLTS AND

MANUFACTURER

PROTECTED BY CURBS)

REINFORCEMENT

FOUNDATION

DIAMETER ("C")

TIES SPACING ("E")

BASE PLATE BY LIGHTING

2" TYPICAL (30" FOR AREAS NOT

REINFORCING TIES "E" *

SCHEDULE

OF FIXTURES

REFER TO LIGHTING

SCHEDULE

SECTION VIEW

CONTRACTOR TO -

COORDINATE LIGHT POLE

MANUFACTURER UNLESS

SIZE AND TYPE WITH

OTHERWISE NOTED

ELECTRIC CONDUIT

STUB UP MIN 12"

HIGH-STRENGTH -

1" CHAMFER

2' 6" MIN OR

COVER

ELEVATION VIEW

SEE SCHEDULE AND NOTES FOR ADDITIONAL INFORMATION

SEE NOTES 5,15

VERTICAL

BARS ("F")

REINFORCEMENT

LIGHTNING GROUND ROD

TO COMPLY WITH N.E.C

NON-SHRINK GROUT

PLANS FOR

LOCATION)

HANDHOLE

WITH COVER

LIGHT POLE FOUNDATION NOTES

1 THE CONTRACTOR MUST VERIEY ALL DIMENSIONS AND CONDITIONS COORDINATE WITH ALL CONTRACT DRAWINGS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION, CONTRACTOR MUST ENSURE NO CONFLICTS ARISE BETWEEN LIGHT POLE FOUNDATIONS, STRUCTURES, AND UTILITIES. IF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DESIGN PLANS ARISE, THE ENGINEER MUST BE NOTIFIED

2. THE CONTRACTOR IS TO HAVE A GEOTECHNICAL ENGINEER, LICENSED IN THE PROJECT'S STATE, ON SITE TO INSPECT FILL MONITOR FILL COMPACTION AND TO VERIFY SUBGRADE ALLOWABLE BEARING CAPACITY AND SOIL DESIGN CRITERIA PRIOR TO CONSTRUCTION IN ACCORDANCE TO THE DESIGN ASSUMPTIONS STATED. UNSUITABLE MATERIALS FOUND MUST BE REMOVED OR BE REMEDIED AS PER THE DIRECTION OF THE ON SITE

3. IF CONDITIONS IN THE FIELD ARE DIFFERENT THAN THOSE INDICATED, THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.

4. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT APPROPRIATE SELECT BACKFILL IS USED, AND THOROUGHLY COMPACTED TO 98% MAX. DENSITY ASTM D 698.

5. STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH ACI-318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE." DETAILS ARE TO BE IN ACCORDANCE WITH ACI-315, "MANUAL OF STANDARD PRACTICE: DETAILS AND DETAILING OF CONCRETE REINFORCEMENT." FORM WORK SHALL CONFORM ACI-347 "GUIDE TO FORM WORK FOR CONCRETE", UNLESS OTHERWISE NOTED ON THE CONTRACT DOCUMENTS.

6. CONCRETE MUST BE NORMAL WEIGHT STONE AGGREGATE WITH THE STATED MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS. HISTORICAL DATA OR LABORATORY TESTS FOR THE PRELIMINARY DESIGN MIX IS TO BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. THE WATER-CEMENT RATIO FOR THE PROPOSED MIX DESIGN MUST ACHIEVE AN AVERAGE 28-DAY STRENGTH OF 1,200 PSI GREATER THAN THE REQUIRED STRENGTH ON LABORATORY TEST RESULTS

- 7. CONCRETE IS TO HAVE A SLUMP NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
- 8. EXPOSED CONCRETE IS TO BE AIR ENTRAINED, 6% (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
- 9. CONCRETE TO BE CONSOLIDATED IN PLACE USING AN INTERNAL VIBRATOR. 10. REINFORCING STEEL BARS SHALL BILLET STEEL ASTM A615, GRADE 60. ALL REINFORCEMENT TO BE

SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS TO BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES TO BE PLASTIC TIPPED. ALL ACCESSORIES MUST BE GALVANIZED.

11. ALL SPLICES OF REINFORCING BARS NOT INDICATED ARE TO BE LTS AS PER THE REINFORCING SPLICE SCHEDULE OR 40 BAR DIAMETERS. DISCONTINUOUS ENDS OF CONTINUOUS BARS ARE TO BE STANDARD HOOKS 12. IF CAVING OF DRILLED HOLES ARE ENCOUNTERED, CONTRACTOR SHALL PROVIDE BENTONITE SLURRY IN

PERMANENT CASINGS FOR DRILLED CONCRETE PIER FOUNDATIONS. 13. CONCRETE MUST ATTAIN 80% OF THE DESIGN STRENGTH OR CURE FOR A MINIMUM OF 7-DAYS PRIOR TO THE INSTALLATION OF THE LIGHT POLES OR ALL LIGHT POLES ARE TO BE SUITABLY BRACED AGAINST WIND LOADS DURING THE ABOVE MENTIONED TIMEFRAME.

14. ALL ELECTRICAL COMPONENTS TO COMPLY WITH N.E.C. 15. WHEN 2'-6" CLEARANCE CAN NOT BE PROVIDED, CONCRETE FOUNDATION MUST BE EXTENDED TO 30" ABOVE SURFACE, OR PROVIDE BOLLARD PROTECTION FOR LIGHT POLE.

16. VERIFY WITH LOCATIONS SHOWN ON LIGHTING PLAN 17. CONTRACTOR IS TO RECORD ON A CLEAN COPY OF THE LIGHTING PLANS. THE LOCATION OF CONDUIT SUPPLYING POWER TO LIGHTS. A COMPLETED COPY OF THIS RECORD PLAN IS TO BE PROVIDED TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK.

18. UPON ACCEPTANCE OF THE COMPLETED WORK BY THE OWNER, THE OWNER IS RESPONSIBLE FOR APPROPRIATE MAINTENANCE OF THE LIGHTING SYSTEM

LIGHT POLE FOUNDATION

- MINIMUM REQUIRED ALLOWABLE BEARING PRESSURE = 1.000 PSF
- ASSUMED (TO BE VERIFIED IN FIELD) SOIL FRICTION ANGLE = 30 DEG - ASSUMED (TO BE VERIFIED IN FIELD) SOIL DRY UNIT WEIGHT = 120 PCF - ASSUMED (TO BE VERIFIED IN FIELD)
- WIND PRESSURE = 30 PSF

DOUBLE TRASH ENCLOSURE 9 FT OPENING DETAIL

DOUBLETRASH/TIRE ENCLOSURE

NOT TO SCALE (S120302-01/2013

Steel Poles Square Straight



Prepared By:

QUICK LINKS

Pole Vibration Damper

• BAA/TAA Compliant

A pole vibration damper is recommended in

poles are more susceptible to destructive

steady state winds are common.

Non-tapered poles and lightly loaded

vibration if a damper is not installed.

open terrain areas of the country where low

FEATURES & SPECIFICATIONS

- Straight poles are 4", 5", or 6" square. Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield
- strength of 50,000 psi.
- On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in

Hand-Hole

 Standard hand-hole location is 12" above pole base. • Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a

Pole base is ASTM-A36 hot-rolled steel

2" x 4" non-reinforced hand-hole.

- plate with a minimum yield strength of 36,000 psi. • Two-piece square base cover is optional.
- **Anchor Bolts** Poles are furnished with anchor bolts featuring zinc-plated double nuts and

washers. Galvanized anchor bolts are

 Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

Ground Lug

Ground lug is standard.

Duplex Receptacle Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter Self-testing Ground fault circuit interrupter

Every pole is provided with the DuraGrip®

- Protection System and a 5-year limited
- When the top-of-the line DuraGrip® Plus Protection System is selected, in addition to • UL Listed the DuraGrip® Protection System, a non-
- porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior, sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.

Determining The Luminaire/Pole Combination For Your Application:

- Select luminaire from luminaire ordering information
- Select bracket configuration if required
- Determine EPA value from luminaire/ bracket EPA chart Select pole height
- Select MPH to match wind speed in the application area (See windspeed maps). Confirm pole EPA equal to or exceeding
- value of luminaire/bracket EPA Consult factory for special wind load requirements and banner brackets
- CONTRACTOR TO COORDINATE LIGHT POLE SPECIFICS W/ MANUFACTURER

LIGHT POLE COLOR TO MATCH FIXTURE: BRONZE



Page 1/5 Rev. 04/02/21 SPEC.1070.A.0920

TRUNCATED DOME LIGHT POLE FOUNDATION DETAIL PATTERN DETAIL

NOT TO SCALE (I020101 - 04/2019)(MODIFIED)

LIGHT POLE SPECIFICATION

NOT TO SCALE (SOURCE: LSI INDUSTRIES)

REVISIONS

REV	DATE	COMMENT	DRAWN BY
		5 C	CHECKED BY
1	03/09/2022	REV. PER DRCC	CPR
	03/09/2022	COMMENTS	TXL
2	12/05/2022	REV. PER TOWNSHIP	CPR
2	12/03/2022	COMMENTS	TXL
3	02/21/2023	REV. PER TOWNSHIP	CPR
3 02/21/2023		COMMENTS	TXL
4	04/12/2023	REV. PER TOWNSIP	MED
		COMMENTS	TXL
5	09/18/2023	REV. PER COUNTY	MAI/TDW
		ROW IMPROVEMENTS	TXL
_	11/07/2023	REV. PER TOWNSHIP COMMENTS	MAI
6	1 1/01/2023		TXL
7	04/42/2024	REV. PER TOWNSHIP	KK
1	01/12/2024	COMMENTS	TXL
	1		



www.nj1-call.org **ISSUED FOR MUNICIPAL &**

AGENCY REVIEW & APPROVA

REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUC DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: DRAWN BY: CAD I.D.: J190844-COVR-7

PROJECT: PRELIMINARY & FINAL MAJOR SITE PLAN & PRELIMINARY & FINAL MAJOR

SUBDIVISION PLAN

ER/UDC WEST WINDSOR LLC

PROPOSED QUICKCHEK FOOD STORE WITH FUEL SALES AND **RESTAURANT WITH DRIVE-THRU**

MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD TOWNSHIP OF WEST WINDSOR

MERCER COUNTY, NEW JERSEY

30 INDEPENDENCE BLVD., SUITE 200 **WARREN, NJ 07059** Phone: (908) 668-8300 (908) 754-4401 www.BohlerEngineering.com

NJ CERT, OF AUTHORIZATION NO. 24GA28161700 & MH0001

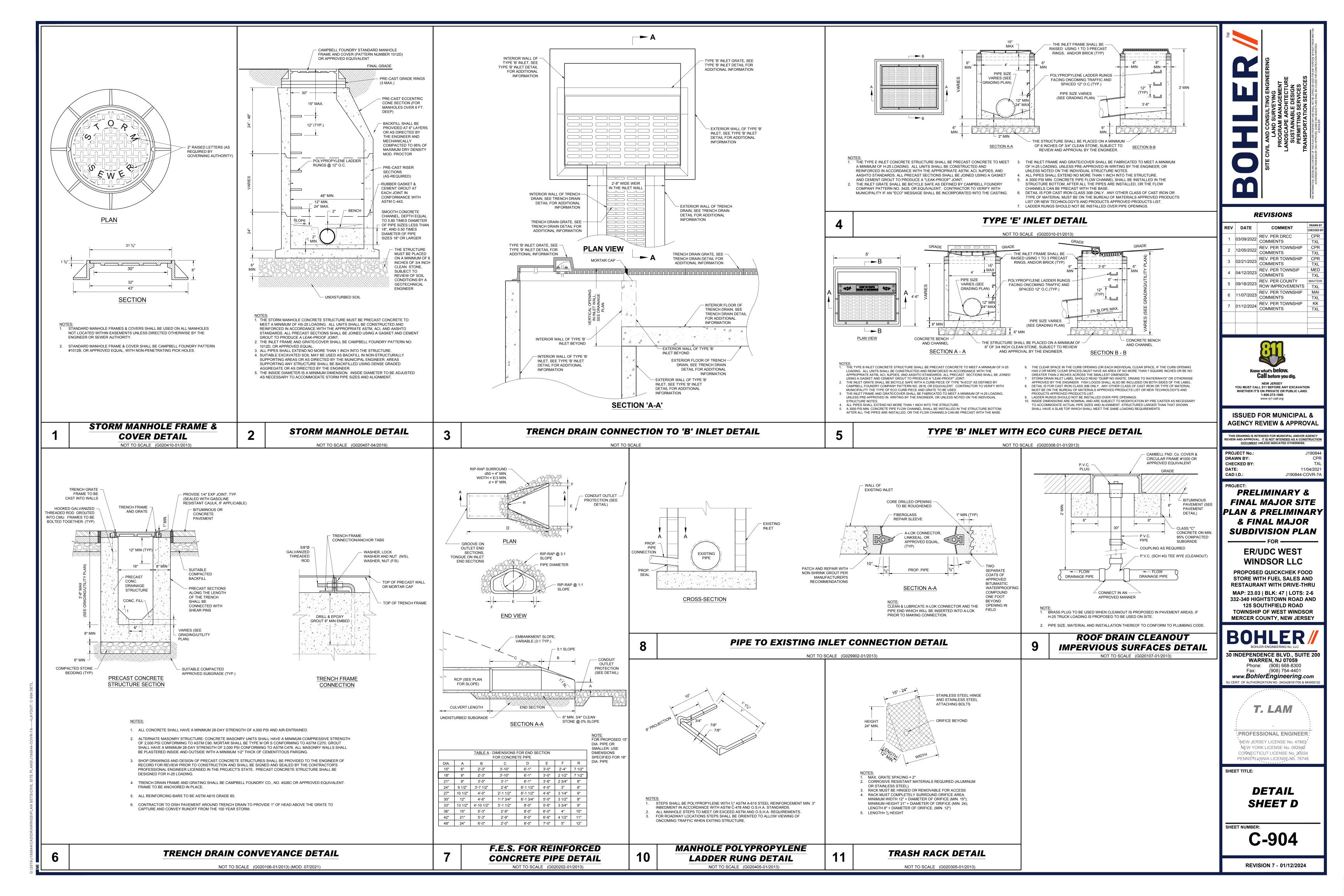
T. LAM PROFESSIONAL ENGINEER

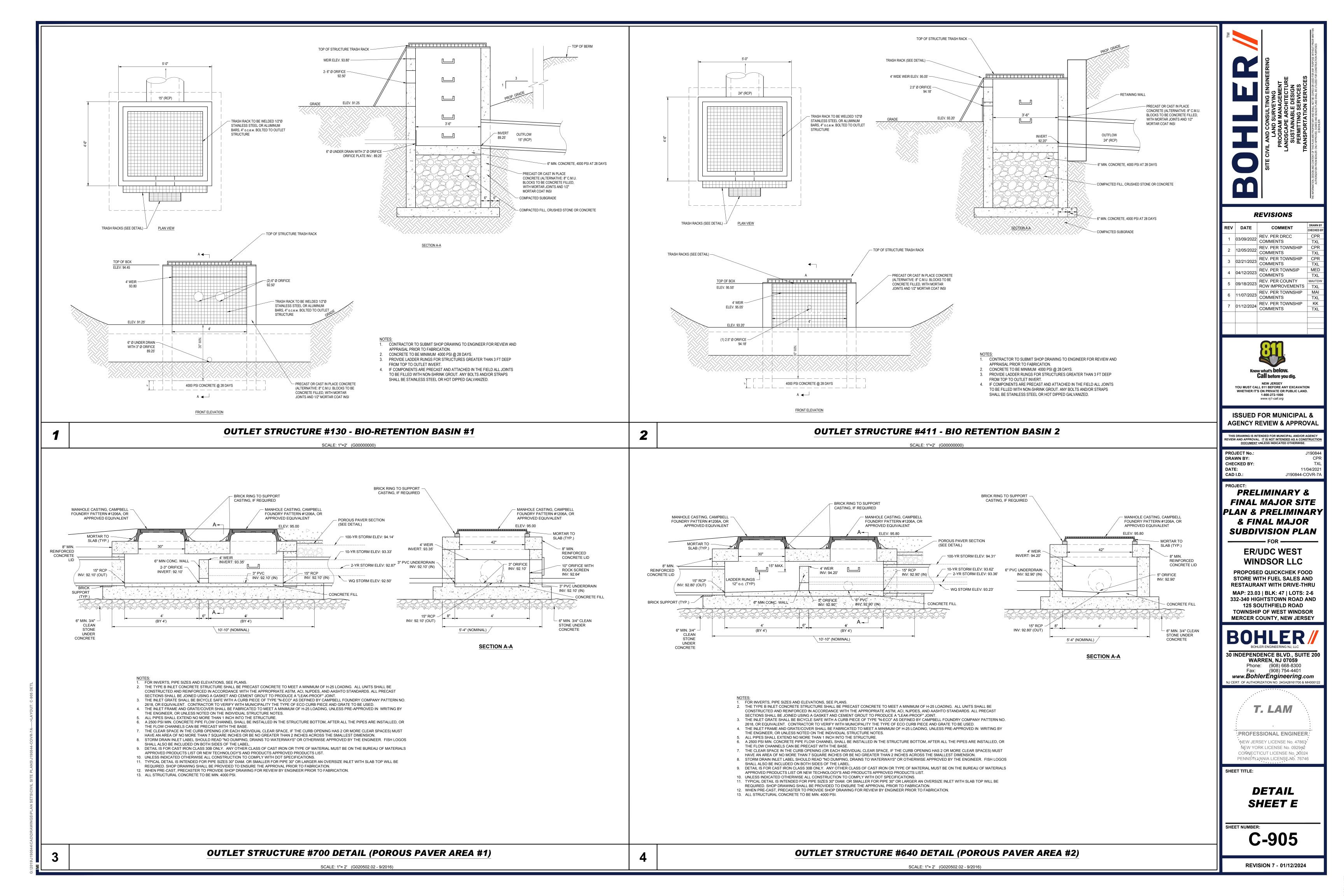
NEW JERSEY LICENSE No. 47863 NEW YORK LICENSE No. 092942 CONNECTICUT LICENSE No. 30024 PENNSYLVANIA LICENSE No. 76746

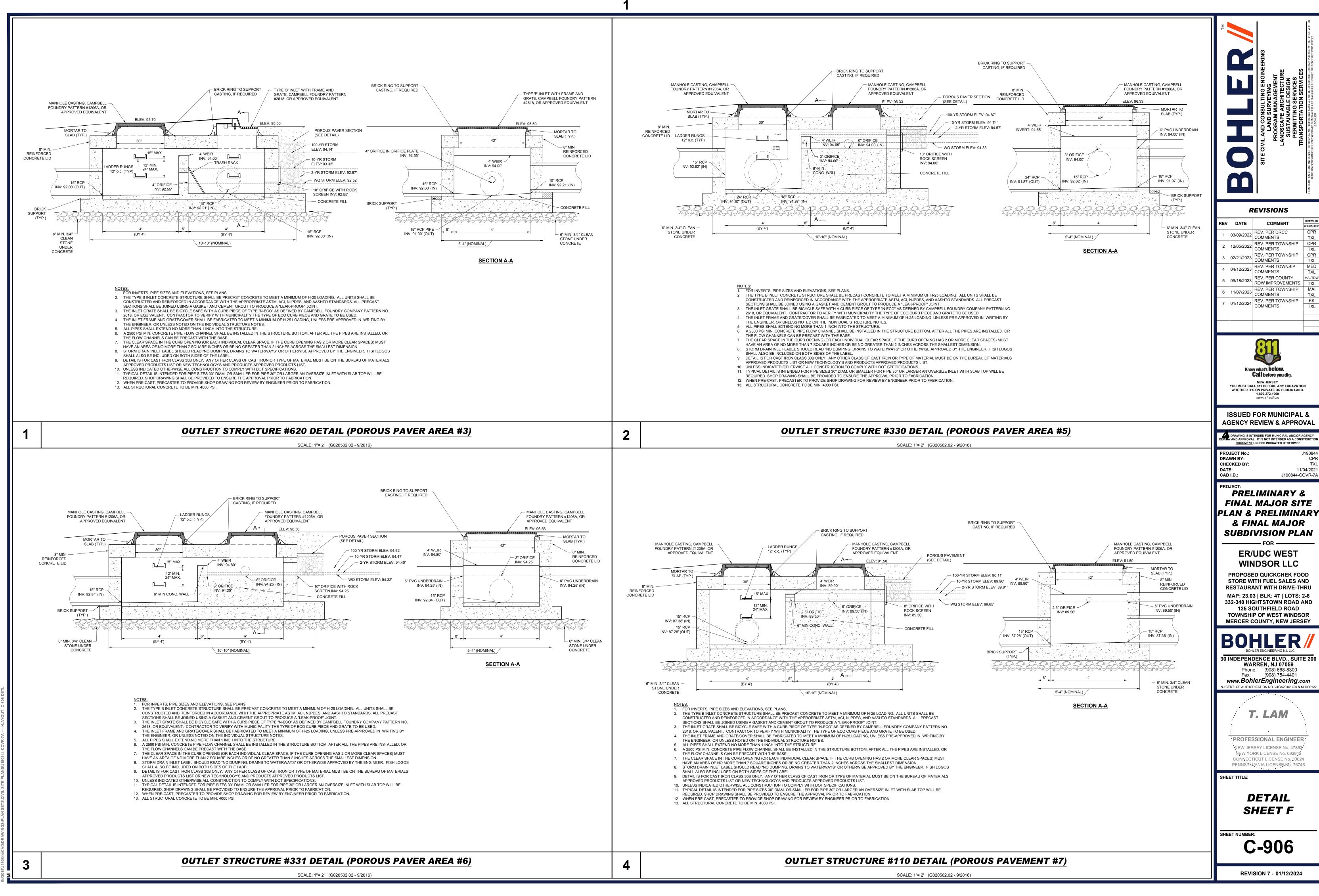
SHEET TITLE:

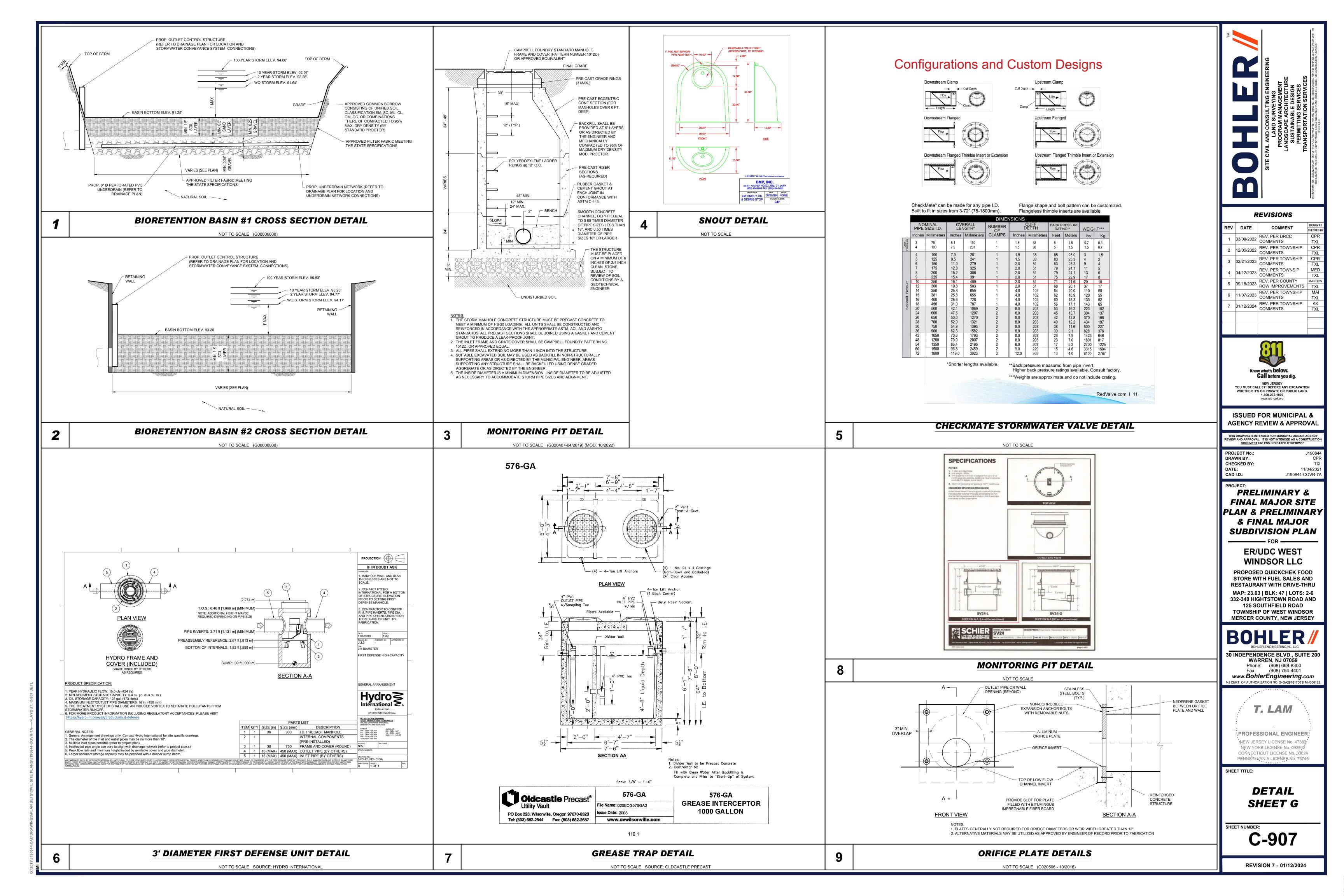
DETAIL SHEET C

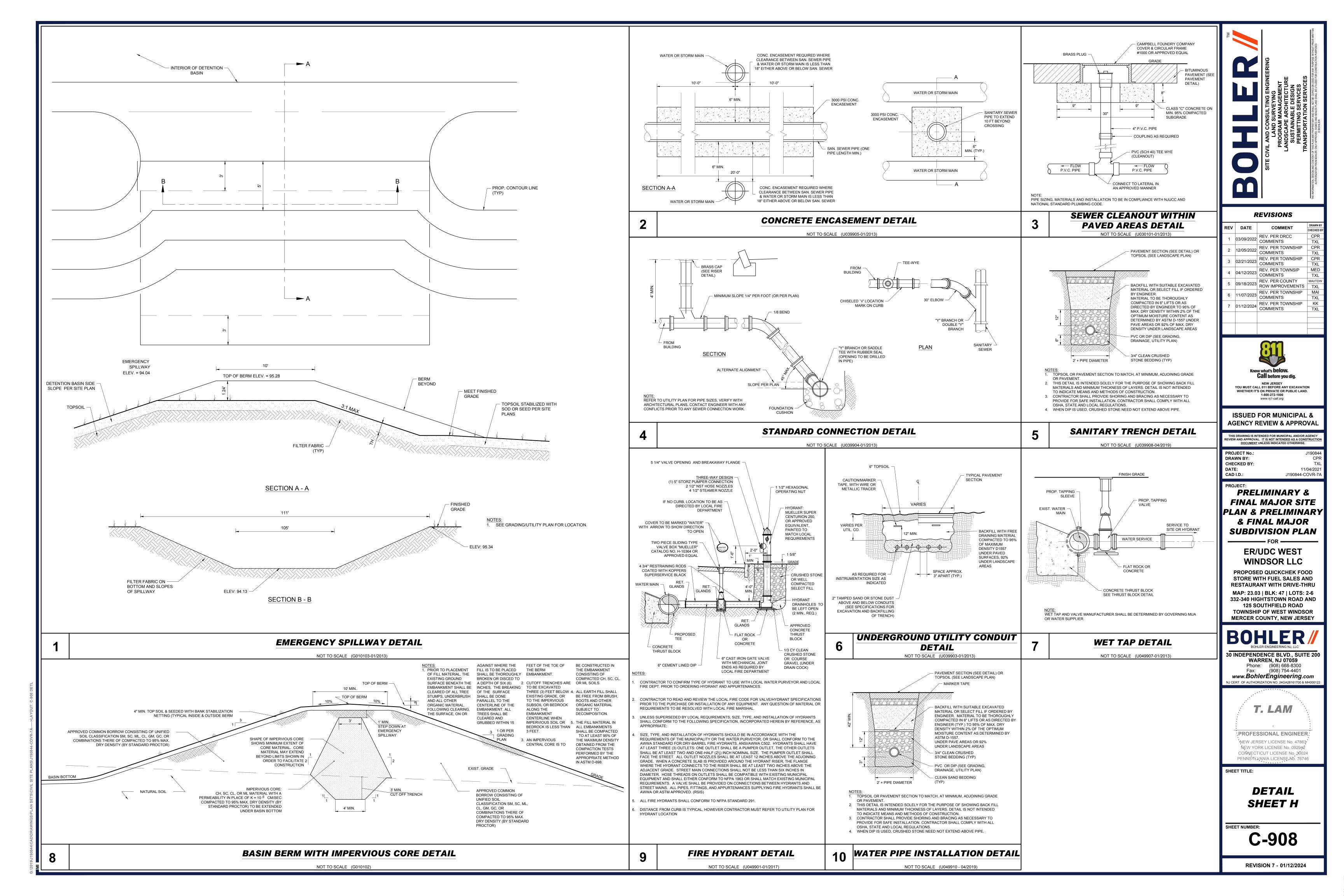
C-903











Industrial Generator Set Accessories

KOHLER. Power Systems

Weather and Sound Enclosures

25-60 kW Enclosure

80-150 kW Enclosure

Applicable to the following: 25-100REZG 50-150REZGB 80/100REZGD and 80/100RZGD

125/150REZGC and 125/150RZGC

Weather Enclosure Standard Features

connector.

 Skid-mounted, steel construction with hinged doors. Fade-, scratch-, and corrosion-resistant Kohler®

Internal-mounted critical silencer and flexible exhaust

- Power Armor™ cream beige automotive-grade textured Lockable, flush-mounted door latches.
- Vertical air inlet and outlet discharge to redirect air and reduce noise.

High wind bracing, 241 kph (150 mph). Available on all

models, except 80/100REZGB with steel enclosure and

80/100RZGB with steel enclosure. Sound Enclosure Standard Features

- Includes all of the weather enclosure features with the addition of acoustic insulation material.
- Skid-mounted, steel or aluminum construction with hinged doors. Aluminum enclosures are recommended
- for high humidity and/or high salt/coastal regions. Acoustic insulation that meets UL 94 HF1 flammability classification and repels moisture absorption.
- Sound attenuated enclosure that uses up to 51 mm (2 in.) of acoustic insulation, acoustic-lined air inlet hoods, and acoustic-lined air discharge hood.

Weather and Sound Enclosure Specifications

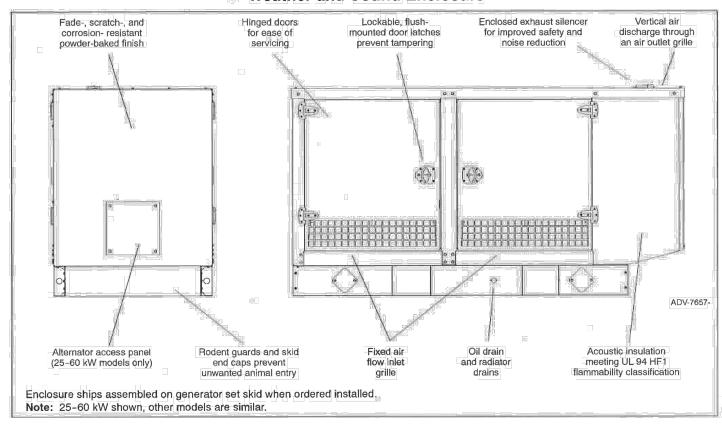
	Max, Dimensions, mm (in.)			Weight, kg (lb.) *			Sound Enclosure,
Model	Length	Width	Height	Steel Weather Enclosure	Steel Sound Enclosure	Aluminum Sound Enclosure	Sound Pressure at 7 m (23 ft.), dB(A) at 60 Hz, Full Load
25REZG				855 (1880)	860 (1891)	768 (1689)	68
30REZG	ii ii	1078 (42,4)	1513 (59.6)	918 (2026)	924 (2037)	832 (1834)	68
40REZG	0505(404.0)			977 (2149)	982 (2160)	890 (1958)	66
45REZG	2585(101.8)			1040 (2288)	1045 (2299)	953 (2096)	66
50REZGB				1122 (2475)	1127 (2486)	1035 (2283)	64
60REZGB	T			1122 (2475)	1127 (2486)	1035 (2283)	65
80REZGD/RZGD	3526(138.8)	1153 (45.4)	1694 (66.7)	1454 (3205)	1465 (3228)	1403 (3092)	72
100REZG	3506(138.0)	1156 (45.5)	1696 (66.8)	1715 (3781)	1725 (3803)	1539 (3393)	74
100REZGD/RZGD	3526(138.8)	1153 (45.4)	1694 (66.7)	1557 (3434)	1568 (3457)	1506 (3321)	72
125REZGB	3506(138.0)	1156 (45.5)	1696 (66.8)	1741 (3837)	1751 (3859)	1565 (3449)	72
125REZGC/RZGC	3526(138.8)	1153 (45.4)	1724 (67.9)	1739 (3834)	1758 (3876)	1592 (3509)	71
150REZGB	3506(138.0)	1156 (45.5)	1696 (66.8)	1856 (4091)	1866 (4113)	1680 (3703)	75
150REZGC/RZGC	3526(138.8)	1153 (45.4)	1696 (66.8)	1877 (4138)	1897 (4183)	1730 (3813)	74

*Weight includes the generator set (wet), enclosure, and silencer. The generator set weight represents using the largest alternator option. Note: Refer to the respective ADV drawings for details, Refer to TIB-114 for complete generator set sound data.

KOHLER CO., Kohler, Wisconsin 53044 USA Phone 920-457-4441, Fax 920-459-1646 For the nearest sales and service outlet in the US and Canada, phone 1-800-544-2444 KOHLERPower.com

Kohler Power Systems Asia Pacific Headquarters 7 Jurong Pier Road Singapore 619159 Phone (65) 6264-6422, Fax (65) 6264-6455

Weather and Sound Enclosure



Enclosure Features

- Available in steel (14 gauge) formed panel, solid construction. Preassembled package offering corrosion
- resistant, dent resilient structure mounting directly to skid. Power Armor™ automotive-grade finish resulting in advanced corrosion and abrasion protection as well as enhanced edge coverage and color retention.
- Internal critical exhaust silencer offering maximum component life and operator safety. NOTE: Installing an additional length of exhaust tail pipe may increase backpressure levels. Please refer to the generator
- Interchangeable modular panel construction. Allows complete serviceability or replacement without compromising enclosure design.

set spec sheet for the maximum backpressure value.

- Cooling/combustion air intake with a horizontal air inlet. Sized for maximum cooling airflow.
- Service access. Multi-personnel doors for easy access to generator set control and servicing of the oil fill and battery.
- Cooling air discharge. Weather protective design featuring a vertical air discharge outlet grille. Redirects cooling air up and above enclosures to reduce noise ambient,

Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler® generator set distributor for availability.

G6-108 5/13l

© 2009, 2010, 2011, 2012, 2013 by Kohler Co. All rights reserved

Additional Sound Enclosure Features

Attenuated design. Mechanically restrained acoustic

Cooling air discharge. The sound enclosures include

insulation UL 94 HF1 listed for flame resistance.

formed panel, solid construction.

UL 2200 Listing

DISTRIBUTED BY:

☐ IBC Seismic Certification

your local distributor for details.

CSA Approval

acoustic insulation with urethane film.

Available Approvals and Listings

• Available in steel (14 gauge) or aluminum 3.2 mm (0.125 in.)

NOTE: Some models may have limited third-party approvals, see

REVISION 7 - 01/12/2024

C-909

REVISIONS

1 03/09/2022 REV. PER DRCC COMMENTS

3 02/21/2023 COMMENTS

2 12/05/2022 REV. PER TOWNSHIP COMMENTS

4 04/12/2023 REV. PER TOWNSIP COMMENTS

5 09/18/2023 REV. PER COUNTY ROW IMPROVEMENTS

6 11/07/2023 REV. PER TOWNSHIP COMMENTS

7 01/12/2024 REV. PER TOWNSHIP COMMENTS

Call before you dig

NEW JERSEY

YOU MUST CALL 811 BEFORE ANY EXCAVATION WHETHER IT'S ON PRIVATE OR PUBLIC LAND.

www.nj1-call.org

ISSUED FOR MUNICIPAL &

AGENCY REVIEW & APPROVA

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENC

DOCUMENT UNLESS INDICATED OTHERWISE.

PRELIMINARY &

FINAL MAJOR SITE

PLAN & PRELIMINARY

& FINAL MAJOR

SUBDIVISION PLAN

ER/UDC WEST

WINDSOR LLC

PROPOSED QUICKCHEK FOOD

STORE WITH FUEL SALES AND RESTAURANT WITH DRIVE-THRU MAP: 23.03 | BLK: 47 | LOTS: 2-6 332-340 HIGHTSTOWN ROAD AND 125 SOUTHFIELD ROAD

TOWNSHIP OF WEST WINDSOR **MERCER COUNTY. NEW JERSEY**

30 INDEPENDENCE BLVD., SUITE 200 **WARREN, NJ 07059**

Phone: (908) 668-8300

www.BohlerEngineering.com

NJ CERT, OF AUTHORIZATION NO. 24GA28161700 & MH0001

T. LAM

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 47863

NEW YORK LICENSE No. 092942

CONNECTICUT LICENSE No. 30024

PENNSYLVANIA LICENSE No. 76746

DETAIL

SHEET I

SHEET TITLE:

(908) 754-4401

J190844-COVR-7

EVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUC

PROJECT No.:

CHECKED BY:

DRAWN BY:

CAD I.D.:

COMMENT

REV. PER TOWNSHIP

REV DATE

MERCER COUNTY CONSTRUCTION DETAILS

GENERATOR SPECIFICATIONS DETAILS

TYPICAL SECTION

OF DEPRESSED CURB AT DRIVEWAYS

SCALE:

AND CURB TRANSITION PIECE

NOTE: 1/2" EXPANSION JOINTS OF CELLULAR COMPRESSION

MATERIAL TO BE PLACED AS SHOWN. 1/4" PREMOLDED

EXPANSION JOINTS TO BE PLACED LONGITUDINALLY ADJACENT TO ALL

ABUTTING CONCRETE STRUCTURES AS THE ENGINEER MAY DIRECT.

COUNTY OF MERCER

DEPARTMENT OF

TRANSPORTATION & INFRASTRUCTURE

DIVISION OF ENGINEERING

GREGORY SANDUSKY, P.E. P.L.S. COUNTY ENGINEER

PROFESSIONAL ENGINEER & LAND SURVEYOR

NEW JERSEY LICENSE NO. 36758

DRAWN BY: MIKE WILLIAMSON