TOWN OF BROOKLYN
PLANNING AND ZONING COMMISSION
NOTICE OF PUBLIC HEARING

The Planning and Zoning Commission will hold a public hearing on September 6, 2023 starting at 6:30 p.m. via Zoom and in-person at the Tiffany Street Community Center, 31 Tiffany Street, Brooklyn, CT on the following:

- **SP 23-003:** Special Permit for 5,955 s.f. building addition and related parking modifications for online grocery pick-up at 450 Providence Road, Applicant: Walmart.
- **SP 23-004:** Special Permit for above-ground propane storage and outside display of merchandise at 564 Providence Road, Applicant: Sholes Ace Hardware.
- **ZC 23-003:** Zone boundary change from RA=>R-30 for 1.3 acres on the south side of Day St. (Map 43, Lot 6), Applicant: Jeff Weaver.

Please publish August 23 and 30th

PLANNING AND ZONING COMMISSION

TOWN OF BROOKLYN

CONECTICUT

RECEIVED
JUL 20 2023

Received Date _____

Application #SP 23-003

Check # 024

APPLICATION FOR SPECIAL PERMIT

Name of Applicant Wal-Mart Real Estate Business Trust Phone (479)270-7024
Mailing Address 2608 SE J Street, Bentonville, AR, 72716 Phone _____

Name of Engineer/Surveyor Bohler Engineering
Address 65 Lasalle Road, West Hartford, CT 06107
Contact Person Jeff Bord Phone (860)333-8900 Fax (508)480-9080

Name of Attorney _____
Address _____
Phone _____ Fax _____

Property location/address 450 Providence Road, Brooklyn, CT
Map# 41 Lot# 10 Zone PC Total Acres 25.48
Sewage Disposal: Private _____ Public _____ Existing X Proposed _____
Water: Private _____ Public _____ Existing X Proposed _____

Proposed Activity Online grocery pick up addition with parking modifications

Compliance with Article 4, Site Plan Requirements

Is parcel located within 500 feet of an adjoining Town? No

The following shall accompany the application when required:

Fee $ 610.00 **State Fee ($60.00)** _____ 3 copies of plans _____ Sanitary Report _____
4.5.5 Application/ Report of Decision from the Inland Wetlands Commission
4.5.5 Applications filed with other Agencies
12.1 Erosion and Sediment Control Plans

The owner and applicant hereby grant the Brooklyn Planning and Zoning Commission, the Board of Selectman, Authorized Agents of the Planning and Zoning Commission or Board of Selectman, permission to enter the property to which the application is requested for the purpose of inspection and enforcement of the Zoning regulations and the Subdivision regulations of the Town of Brooklyn

Applicant: _____ Date _____

Owner: Mike Rutherford (Signed on behalf of Wal-Mart Real Estate Business Trust) Date July 18, 2023 | 14:17 CDT

*Note: All consulting fees shall be paid by the applicant

PLANNING AND ZONING COMMISSION
TOWN OF BROOKLYN
CONECTICUT

Received Date _____ Application #SP# 23-003
Action Date_____ Check# 0249

APPLICATION FOR SITE PLAN REVIEW

Name of Applicant Wal-Mart Real Estate Business Trust Phone (479)270-7024
Mailing Address 2608 SE J Street, Bentonville, AR 72716 Phone_____

Name of Owner Wal-Mart Real Estate Business Trust Phone (479)270-7024
Mailing Address 2608 SE J Street, Bentonville, AR 72716 Phone_____

Name of Engineer/Surveyor Bohler Engineering
Address 65 Lasalle Road, West Hartford, CT 06107
Contact Person Jeff Bord Phone (860)333-8900 Fax (508)480-9080

Property location/address 450 Providence Road, Brooklyn, CT
Map # 41 Lot # 10 Zone PC Total Acres 25.48

Proposed Activity Online grocery pick up addition with parking modifications

Change of Use: Yes____ No X If Yes, Previous Use_____
Area of Proposed Structure(s) or Expansion 5,955 SF

Utilities - Septic: On Site_____ Municipal _____ Existing X Proposed_____
Water: Private_____ Public _____ Existing X Proposed_____

Compliance with Article 4, Site Plan Requirements

The following shall accompany the application when required:

Fee$ $610.00 **State Fee ($60.00)** _____ 3 copies of plans_____ Sanitary Report_____
4.5.5 Application/ Report of Decision from the Inland Wetlands Commission
4.5.5 Applications filed with other Agencies
12.1 Erosion and Sediment Control Plans
See also Site Plan Review Worksheet

Variances obtained_____ Date_____

The owner and applicant hereby grant the Brooklyn Planning and Zoning Commission, the Board of Selectman, Authorized Agents of the Planning and Zoning Commission or Board of Selectman, permission to enter the property to which the application is requested for the purpose of inspection and enforcement of the Zoning regulations and the Subdivision regulations of the Town of Brooklyn

Applicant: _____ Date_____

Owner: Mike Rutherford (Signed on behalf of Wal-Mart Real Estate Business Trust) Date July 18, 2023 | 14:17 CDT

* Note: Any consulting fees will be paid by the applicant

PROPOSED SITE PLAN DOCUMENTS

FOR

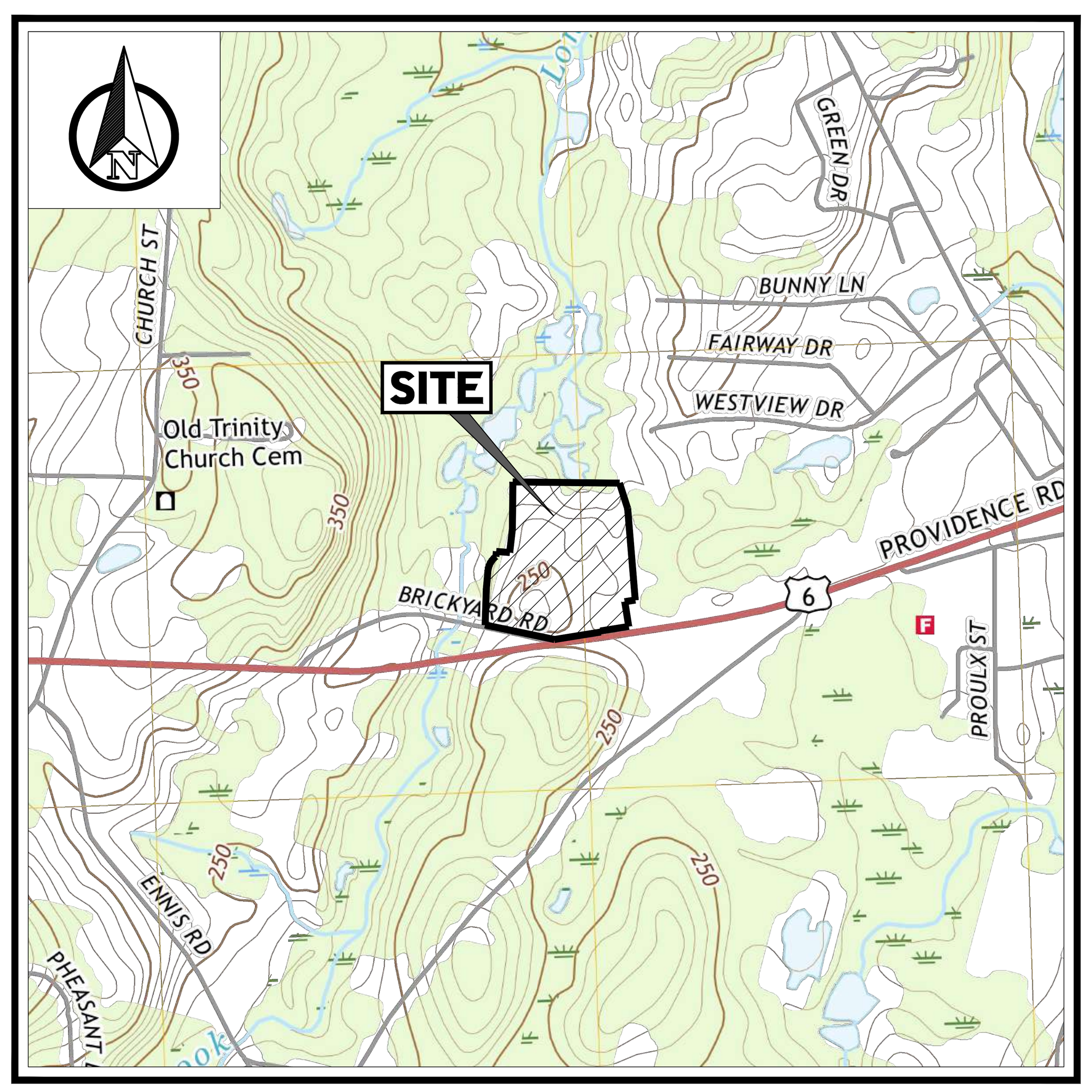
Walmart

STORE #5777-228

PROPOSED

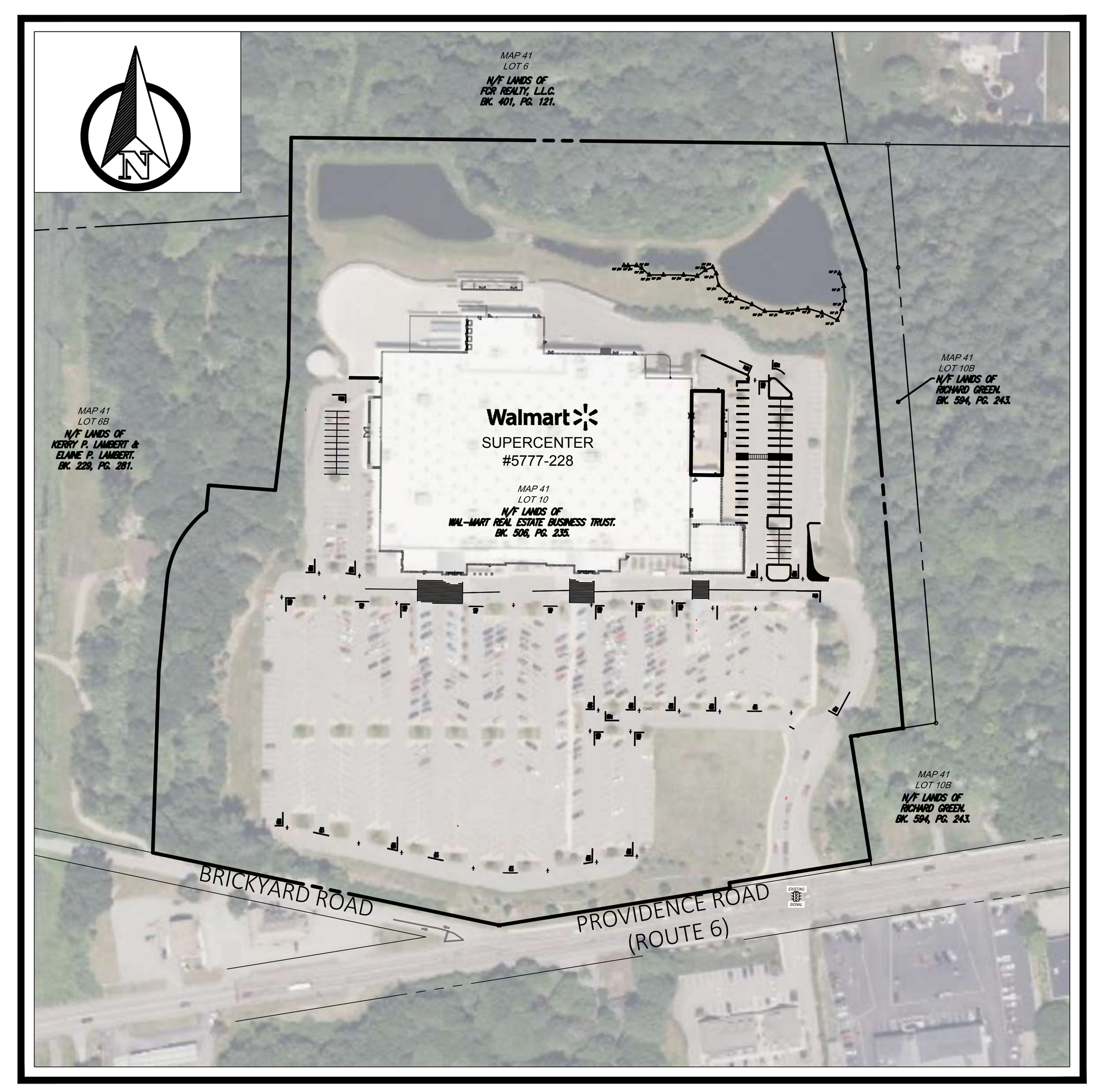
PICKUP AND SIGNAGE / STRIPING IMPROVEMENTS AND BUILDING EXPANSION

LOCATION OF SITE:
450 PROVIDENCE ROAD, TOWN OF BROOKLYN
WINDHAM COUNTY, CONNECTICUT



USGS MAP

SCALE: 1" = 1,000'
SOURCE: DANIELSON CONNECTICUT USGS QUADRANGLE



SITE MAP

SCALE: 1" = 200'
SOURCE: 2023 MICROSOFT CORPORATION

DRAWING SHEET INDEX

SHEET TITLE	SHEET NUMBER
COVER SHEET	COV-1
GENERAL NOTES SHEET	NS-1
EXISTING CONDITIONS PLAN	EC-1
OVERALL SITE PLAN - STOP SIGNS AND MARKINGS PLAN	SSM-1
DEMOLITION AND SITE CONSTRUCTION PLAN	SECP-1
DEMOLITION AND EROSION CONTROL PLAN	DM-1
SITE PLAN	SP-1
GRADING, DRAINAGE, & UTILITY PLAN	GD-1
SECP AND STOP SIGNS AND MARKINGS DETAIL SHEET	SECP/SSM DETAILS
DETAIL SHEET	DTL-1
DETAIL SHEET	DTL-2
DETAIL SHEET	DTL-3
SPECIFICATIONS SHEET	CSS-1
SPECIFICATIONS SHEET 2	CSS-2
LIGHTING PLAN (BY OTHERS)	1 SHEET
ARCHITECT PLAN (BY OTHERS)	2 SHEETS
ALTA/NSPS LAND TITLE SURVEY (BY OTHERS)	2 SHEETS

PREPARED BY

BOHLER//

COVER SHEET

REVISIONS	BY

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

STATE OF CONNECTICUT
No. 30414
LICENSED
PROFESSIONAL ENGINEER
[illegible]

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT
WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

Walmart

DRAWN
BTJ/TJN
CHECKED
JJC/JGB
DATE
06/29/2023
SCALE
AS NOTED
JOB No.
MAA230031.00
SHEET

COV-1

GENERAL NOTES

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

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

   - "ALTA/NSPS LAND TITLE SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, DATED: 05/30/2023
   - "INITIAL REPORT OF GEOTECHNICAL INVESTIGATION", PREPARED BY WHITESTONE ASSOCIATES, INC., DATED: 05/31/2023

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

2. ALL ACCESSIBLE (A/K/A ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12101 et seq. AND 42 U.S.C. § 4151 et seq.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THE PROJECT IS TO BE CONSTRUCTED, AND ANY AND ALL AMENDMENTS TO BOTH WHICH ARE IN EFFECT WHEN THESE PLANS ARE COMPLETED.
3. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
4. THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
5. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT.
6. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
7. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
8. ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
9. CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS “OF RECORD” FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
10. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER, IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIST.
11. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL GOVERNMENTAL AUTHORITIES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER CONTRACTOR.
12. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT, NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES.
13. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE PROJECT.
14. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY 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 SHALL 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. CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
15. ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
16. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
17. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY TIME.
18. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING, AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS, ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED TO THE PROJECT. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS INSURANCE HEREUNDER.
19. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
20. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING 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, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 19 FOR JOB SITE SAFETY.
21. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME.
22. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE.
23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT.
24. ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS. IF CONTRACTOR AND/OR OWNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS.
25. 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 ENGINEER IS 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 ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE.
27. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS.
28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
29. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF 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.
30. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF “PROFESSIONAL OPINION” REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

GENERAL SITE NOTES

1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
2. 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, GUIDELINES, RULES, REGULATIONS, STANDARDS AND THE LIKE.
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). THE CONTRACTOR MUST STRICTLY ADHERE TO THE APPROVED SWPPP PLAN DURING CONSTRUCTION OPERATIONS (IF PROVIDED).
7. ALL CONCRETE MUST BE AIR ENTRAINED AND INCLUDE THE MINIMUM COMPRESSIVE STRENGTH OF JURISDICTIONAL STANDARD PSI AT 28 DAYS (OR 4,000 PSI) UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
8. THE CONTRACTOR MUST FILE SITE SIGNAGE APPLICATION OR PERMIT UNDER SEPARATE APPLICATION UNLESS DONE SO AS PART OF JURISDICTIONAL PERMITTING PROCEDURES.
9. THE CONTRACTOR MUST REPAIR OR REPLACE, AT THE CONTRACTOR'S SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, PAVEMENT MARKINGS, AND PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES WHETHER SPECIFIED ON THIS PLAN OR NOT.
10. WORK WITHIN THE RIGHT-OF-WAY MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS OF THE DEPARTMENT OF PUBLIC WORKS, ENGINEERING DEPARTMENT, HIGHWAY DIVISION, AND/OR STATE DOT HIGHWAY DEPARTMENT.
11. WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL, RATHER THEY ARE AN ASSUMPTION BASED ON WALL TYPE AND WALL HEIGHT. WALL FOOTINGS AND /OR FOUNDATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE SET/DETERMINED BY THE CONTRACTOR OR WALL DESIGNER, AND MUST BE 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 AN APPROPRIATELY LICENSED PROFESSIONAL DESIGNS ALL WALLS SHOWN HEREON AND PRIOR TO CONSTRUCTION. REFER TO GRADING NOTES REGARDING RETAINING WALL DESIGN.
12. CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS. CONTRACTOR SHALL PROVIDE FIELD MODIFICATION LOCATIONS OF BOLLARDS AND BOLLARDS WITH SIGNAGE AS NEEDED TO AVOID CONFLICTS WITH EXISTING UTILITY SERVICES TO REMAIN.

GENERAL GRADING & UTILITY PLAN NOTES

1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS MUST BE INDEPENDENTLY CONFIRMED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES MUST IMMEDIATELY BE REPORTED, IN WRITING, TO THE ENGINEER. CONSTRUCTION MUST COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, 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 THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION, AT NO COST TO THE OWNER. CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE OR APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND, FURTHER, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SAME.
4. THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY.
5. THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
6. THE CONTRACTOR MUST INSTALL ALL STORM SEWER AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.
8. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
9. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT. EARTHWORK ACTIVITIES INCLUDING, BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
10. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS, FILL AND COMPACTION MUST, AT A MINIMUM, COMPLY WITH THE STATE DOT REQUIREMENTS AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL, COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BALANCE.
11. THE CONTRACTOR MUST COMPLY, TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE “MEANS AND METHODS” REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.
12. PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
13. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
14. DURING THE INSTALLATION OF SANITARY SEWER, STORM SEWER, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE FROM THE INFORMATION CONTAINED IN THE UTILITY PLAN. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER AT THE COMPLETION OF WORK.
15. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. CONTRACTOR MUST CONFIRM AND ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT (EXCEPT WHERE ADA REQUIREMENTS OR EXISTING TOPOGRAPHY LIMIT GRADES), TO PREVENT PONDING. CONTRACTOR MUST IMMEDIATELY IDENTIFY, IN WRITING TO THE ENGINEER, ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY, HEALTH OR GENERAL WELFARE, OR PROJECT COST. IF CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER NOTIFICATION, MUST BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM SAME.
16. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6” ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE. IT IS CONTRACTOR'S OBLIGATION TO ENSURE THAT DESIGN ENGINEER APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION OF SAME.
17. IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE AND CONTROL. CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER, IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS.
18. CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING ANY WORK.
19. STORM DRAINAGE PIPE:UNLESS INDICATED OTHERWISE, ALL STORM SEWER PIPE MUST BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SILT TIGHT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS, IT MUST CONFORM TO AASHTO M294 AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT TIGHT JOINT. PVC PIPE FOR ROOF DRAIN CONNECTION MUST BE SDR 26 OR SCHEDULE 40 UNLESS INDICATED OTHERWISE.
20. STORM AND SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE.
21. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON FINAL ARCHITECTURAL PLANS.
22. 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 SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENT 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 AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER MUST BE PROVIDED.
23. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER PURVEYOR. 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.
24. CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.

GENERAL DEMOLITION NOTES

1. THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
   - "ALTA/NSPS LAND TITLE SURVEY", PREPARED BY CONTROL POINT ASSOCIATES, DATED: 05/30/2023
   - "INITIAL REPORT OF GEOTECHNICAL INVESTIGATION", PREPARED BY WHITESTONE ASSOCIATES, INC., DATED: 05/31/2023
2. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et seq.), AS AMENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.
3. BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME.
4. THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION, ONLY, REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR MUST ALSO REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVEMENTS.
5. CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNS REGARDING THE APPLICABLE SAFETY STANDARDS, OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH BOHLER ENGINEERING, IN WRITING, AND RESPONDED TO BY BOHLER, IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.
6. PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:

   A. OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK.

   B. NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT, 72 HOURS PRIOR TO THE START OF WORK.

   C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.

   D. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVANCE OF ANY EXCAVATION.

   E. LOCATING AND PROTECTING 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 THE UNDERGROUND UTILITIES.

   F. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.

   G. ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE REQUIRED BY THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS.

   H. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. WORK REQUIRED TO BE DONE "OFF-PEAK" IS TO BE DONE 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, THE CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS.
7. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
8. THE CONTRACTOR MUST PROVIDE ALL “MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-DEMOLITION CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE.
9. 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, AND/OR UNDER THE WRITTEN DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
10. 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 NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDATIONS AND GUIDANCE IN THE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE.
11. EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CONTRACTOR STARTING AN EXPLOSIVE PROGRAM AND/OR ANY DEMOLITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
12. CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.
13. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER AND ALL GOVERNMENTAL AGENCIES WITH JURISDICTION.
14. THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
15. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
16. CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
17. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION AS TO THE MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED TO ACCOMPLISH THAT WORK. ALL MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE 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.
18. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST.
19. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OVER TO THE OWNER/DEVELOPER UPON COMPLETION OF THE WORK.

ADA INSTRUCTIONS TO CONTRACTOR:

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

- PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:50 (1/4” PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
- CURB RAMPS - SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.
- LANDINGS - MUST BE PROVIDED AT EACH END OF RAMPS, MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:50 (1/4” PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
- PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS CANNOT REDUCE THIS MINIMUM WIDTH). THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:50 (1/4” PER FOOT OR NOMINALLY 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), ADA RAMP MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 2.5 FEET, MUST BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND “LEVEL” LANDINGS ON EACH END THAT ARE CROSS SLOPED NO MORE THAN 1:50 IN ANY DIRECTION (1/4” PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE.
- DOORWAYS - MUST HAVE A “LEVEL” LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY FROM THE DOOR NO MORE THAN 1:50 (1/4” PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG, EXCEPT WHERE OTHERWISE PERMITTED BY ADA STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED BY CODE.)
- WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR TO ADA COMPONENTS FROM EXISTING DOORWAYS OR SURFACES, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEMENT OF WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA REQUIREMENTS.
- THE CONTRACTOR MUST VERIFY THE SLOPES OF CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. IF ANY NON-CONFORMANCE IS OBSERVED OR EXISTS, CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND REPLACE NON-CONFORMING CONCRETE.

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

TYPICAL ABBREVIATIONS

KEY	DESCRIPTION	KEY	DESCRIPTION
BC	BOTTOM CURB	PROP.	PROPOSED
TC	TOP CURB	TBR/R	TO BE REMOVED AND REPLACED
BOC	BACK OF CURB	TBR	TO BE REMOVED
BW	BOTTOM OF WALL GRADE	TPF	TREE PROTECTION FENCE
TW	TOP OF WALL	BLDG.	BUILDING
EXIST.	EXISTING	SF	SQUARE FEET
BM.	BENCHMARK	SMH	SEWER MANHOLE
EOP	EDGE OF PAVEMENT	DMH	DRAIN MANHOLE
℄	CENTERLINE	STM.	STORM
FF	FINISHED FLOOR	SAN.	SANITARY
V.I.F.	VERIFY IN FIELD	CONC.	CONCRETE
GC	GENERAL CONTRACTOR	ARCH.	ARCHITECTURAL
HP	HIGH POINT	DEP.	DEPRESSED
LP	LOW POINT	R	RADIUS
TYP.	TYPICAL	MIN.	MINIMUM
INT.	INTERSECTION	MAX.	MAXIMUM
PC.	POINT OF CURVATURE	No. / #	NUMBER
PT.	POINT OF TANGENCY	W.	WIDE
PI.	POINT OF INTERSECTION	DEC.	DECORATIVE
PVI.	POINT OF VERTICAL INTERSECTION	ELEV.	ELEVATION
STA.	STATION	UNG.	UNDERGROUND
GRT	GRATE	R.O.W.	RIGHT OF WAY
INV.	INVERT	LF	LINEAR FOOT
DIP	DUCTILE IRON PIPE	LOD	LIMIT OF DISTURBANCE
PVC	POLYVINYL CHLORIDE PIPE	LOW	LIMIT OF WORK
HDPE	HIGH DENSITY POLYETHYLENE PIPE	L.S.A.	LANDSCAPED AREA
RCP	REINFORCED CONCRETE PIPE	±	PLUS OR MINUS
S	SLOPE	°	DEGREE
ME	MEET EXISTING	Ø / DIA.	DIAMETER

TYPICAL LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	SETBACK	
	EASEMENT	
	CURB	
	STORM MANHOLE	
	SEWER MANHOLE	
	CATCH BASIN	
WF#5	WETLAND FLAG	
	WETLAND LINE	
× 54.83	SPOT ELEVATION	53.52
× TC 54.58 G 53.78	TOP & BOTTOM OF CURB	TC=54.32 BC=53.82
53	CONTOUR	
	FLOW ARROW	5%
	PAINTED ARROW	
	RIDGE LINE	
G G	GAS LINE	G G
T T	TELEPHONE LINE	T T
E E	ELECTRIC LINE	E E
W W	WATER LINE	W W
OH OH	OVERHEAD WIRE	OH OH
	STORM PIPE	
	SANITARY LINE	S S
10	PARKING COUNT	
	SIGN	
	LIGHT POLE	
	GUIDE RAIL	
	UTILITY POLE	

REFER TO OVERALL SITE PLAN - STOP SIGNS AND MARKINGS PLAN FOR ZONING ANALYSIS TABLE AND LAND USE / ZONING INFORMATION & NOTES

REVISIONS	BY

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

STATE OF CONNECTICUT
JEFFREY G. BORD
No. 30414
LICENSED PROFESSIONAL ENGINEER

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT

WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

Walmart

DRAWN: BTJ/TJN
CHECKED: JJC/JGB
DATE: 06/29/2023
SCALE: AS NOTED
JOB No.: MAA230031.00
SHEET: NS-1

GENERAL NOTES SHEET

REVISIONS	BY

BOHLER

SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SURVEYING & MAPPING
PERMITTING SERVICES
TRANSPORTATION SERVICES

STATE OF CONNECTICUT
JEFFREY C. GUBA
10030414
REGISTERED
PROFESSIONAL ENGINEER

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT

WAL-MART STORES, INC.
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Walmart

DRAWN	BTJ/TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	EC-1

EXISTING CONDITIONS PLAN

Walmart
SUPERCENTER
#5777-228
EXISTING BUILDING: 152,124 SF±
GARDEN CENTER: 9,260 SF±
TOTAL: 161,384 SF±
728 TOTAL SPACES

MAP 41 LOT 6
N/F LANDS OF FCR REALTY, L.L.C. BK. 491, PG. 121.

MAP 41 LOT 6B
N/F LANDS OF KERRY P. LAMBERT & ELAINE P. LAMBERT. BK. 229, PG. 281.

MAP 41 LOT 10
N/F LANDS OF WAL-MART REAL ESTATE BUSINESS TRUST. BK. 506, PG. 235.

MAP 41 LOT 10B
N/F LANDS OF RICHARD GREEN. BK. 594, PG. 243.

BRICKYARD ROAD
(PUBLIC - 40' WIDE R.O.W.)
TWO WAY TRAFFIC
(ASPHALT ROADWAY)

PROVIDENCE ROAD
(AKA - US ROUTE 6)
(PUBLIC - 80' WIDE R.O.W.)
TWO WAY TRAFFIC
(ASPHALT ROADWAY)

S89°20'48"E 803.56'
S89°20'48"E 95.27'
N00°38'43"E 381.58'
N06°39'16"E 170.84'
S85°45'41"E 100.63'
N05°28'08"E 38.26'
R=152.60'
Δ =047°42'52"
L=127.08'
CHB=N28° 53' 48"E
CHD=123.44'
N05°02'22"E 135.76'
N01°54'41"E 272.49'
N78°11'09"W 533.16'
S80°51'17"W 352.44'
S09°08'43"E 8.00'
S80°51'17"W 215.16'
S80°51'17"W 215.18'
S09°08'43"E 168.73'
S09°08'43"E 662.87'
S81°03'01"W 79.70'
S81°03'01"W 50.13'
S09°08'43"E 168.73'

APPROX. LOC. OF LIMITS OF ZONE "A" (PER REF. #2)
FLOOD ZONE "A"
FLOOD ZONE "C"
APPROX. LOC. OF CL&P EASEMENT (PER REF. #3)
APPROX. LOC. OF 25' WIDE RIGHT OF WAY INGRESS & EGRESS
APPROX. LOC. OF PRIVATE CONSERVATION EASEMENT "A"
APPROX. LOC. OF CL&P EASEMENT
APPROX. LOC. OF PRIVATE CONSERVATION EASEMENT "B"
EXISTING EDGE OF WETLAND
50' WETLAND BUFFER
125' UPLAND REVIEW AREA
APPROX. LOC. OF 10' WIDE CL&P EASEMENT
APPROX. LOC. OF SLOPE EASEMENT
APPROX. LOC. OF PROPOSED SIGN & LANDSCAPE EASEMENT
APPROX. LOC. OF EXISTING CL&P EASEMENT TO BE REMAIN IN PLACE
APPROX. LOC. OF CL&P EASEMENT
APPROX. LOC. OF RIGHT OF WAY FOR VEHICULAR & ELECTRIC EASEMENT
APPROX. LOC. OF FCR REALTY ACCESS EASEMENT BK. 506, PG. 252
APPROX. LOC. OF PERMANENT TRAFFIC SIGNAL & MAINTENANCE EASEMENT
APPROX. LOC. OF TAKING AREA
P.O.B. SURVEYOR'S DESCRIPTION
EXISTING SIGNAL
APPROX. LOC. OF TEMPORARY EASEMENT BK. 501, PG. 176

50 25 12.5 0 50
1"= 50'

REFER TO GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION (SHEET NS-1)

811 Know what's **below.** **Call** before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTE:
THIS SITE PLAN WAS DEVELOPED BASED ON PLANS PREPARED BY CT CONSULTANTS AND "ALTA/NSPS LAND TITLE SURVEY" PREPARED BY CONTROL POINT ASSOCIATES, INC. DATED 05/30/2023.

ZONING INFORMATION

ZONING DISTRICT:	PLANNED COMERCIAL		
ZONE CRITERIA	REQUIRED	EXISTING (1)	PROPOSED
MINIMUM LOT AREA	30,000 SF	1,109,787 SF (25.5± Ac.)	NO CHANGE
MIN. LOT FRONTAGE	100 FT	533.16 FT (BRICKYARD RD.)	NO CHANGE
MIN. FRONT SETBACK	45 FT	490.6 FT (BRICKYARD RD.)	NO CHANGE
MIN. SIDE SETBACK	20 FT	140.1 FT	NO CHANGE
MIN. REAR SETBACK	20 FT	213.0 FT	NO CHANGE
MAX. BUILDING HEIGHT	40 FT	< 40'	NO CHANGE
MAX. IMPERVIOUS AREA	65%	56.7%	55.5%
PARKING SPACES	502	728	716
PARKING CRITERIA	RETAIL STORES: 3 SPACES PER 1,000 SF GFA 167,344 SF / 1,000 * 3 = 502 SPACES REQUIRED UNDER CURRENT ZONING		
ACCESSIBLE PARKING SPACES	15	18	NO CHANGE
ACCESSIBLE PARKING CRITERIA	TOTAL PARKING 501 TO 1000 = 2 PERCENT OF TOTAL ACCESSIBLE SPACES VAN ACCESSIBLE SPACES= 1 / 6 SPACES		

STOP SIGNS AND MARKING PLAN LEGEND

REFERENCE DETAIL SHEET

- (A) EXISTING PEDESTRIAN CROSSING SIGN TO BE REMOVED.
- (B1) EXISTING STOP SIGN TO BE REMOVED.
- (B2) EXISTING PICKUP DIRECTIONAL SIGN TO BE REMOVED.
- (B3) EXISTING "NO TRUCK" SIGN TO BE REMOVED.
- (C) EXISTING SIGN POST TO BE REMOVED.
- (D) EXISTING SIGN POST AND BASE TO REMAIN. EXISTING BOLLARD SHALL BE REPAINTED TRAFFIC YELLOW (SEE DETAIL).
- (E) EXISTING CROSSWALK STRIPING TO BE REMOVED.
- (E1) EXISTING CROSSWALK STRIPING TO REMAIN AND SHALL BE REFRESHED/RESTRIPED
- (F) EXISTING YIELD PAVEMENT MARKING TO BE REMOVED.
- (G) EXISTING DIRECTIONAL ARROW PAVEMENT MARKING TO BE REMOVED.
- (H) NEW "STOP HERE FOR PEDESTRIANS" SIGN.
- (I–1) NEW W4-4A "TRAFFIC FROM LEFT DOES NOT STOP" PLACARD. SEE DETAIL.
- (I–2) NEW W4-4B "ONCOMING TRAFFIC DOES NOT STOP" PLACARD. SEE DETAIL.
- (I–3) NEW W4-4A "TRAFFIC FROM RIGHT DOES NOT STOP" PLACARD. SEE DETAIL.
- (I–4) NEW R31-3P "ALL WAY" PLACARD. SEE DETAIL.
- (J1) NEW 30"X30" STOP SIGN.
- (J2) NEW 36"X36" STOP SIGN.
- (K) NEW SIGN MOUNTING AND BASE WITH BOLLARD.
- (L) NEW STOP TEXT AND STOP BAR.
- (M) 4" WIDE PAINTED YELLOW STRIPES AT 45° @ 2'-0" O.C.
- (N) NEW CROSSWALK MARKINGS - 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)-8" WHITE STRIPE PERPENDICULAR ON BOTH ENDS UNLESS NOTED OTHERWISE. SEE SITE PLAN FOR DIMENSIONS. ENTIRE CROSSWALK SHALL BE RE-STRIPED.
- (O) NEW "CROSS TRAFFIC DOES NOT STOP" (W4-4P) SIGN MOUNTED BELOW STOP SIGN
- (P) LIMITS OF SEAL COAT. APPLY SEAL COAT OVER WHERE STRIPING AND PAVEMENT MARKINGS WERE REMOVED AND WHERE NEW STRIPING AND PAVEMENT MARKINGS WILL BE APPLIED. APPLY NEW STRIPING AND PAVEMENT MARKINGS OVER SEAL COAT.
- (Q) 4" WIDE PAINTED YELLOW STRIPES - 6' LONG WITH 18' GAPS.
- (R) EXISTING STOP BAR AND STRIPING TO BE REMOVED.
- (S) NEW OPEN ARROW PAVEMENT MARKINGS.
- (T1) NEW 6" WIDE FIRE LANE STRIPING PAINTED TRAFFIC RED WITH "NO PARKING FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 25' SPACING. SEE DETAIL.
- (T2) NEW FIRE LANE STRIPING TO MATCH EXISTING.
- (U) NEW STOP BAR
- (V) 4" WIDE DOUBLE SOLID YELLOW STRIPE.
- (W1) EXISTING STOP SIGN TO REMAIN.
- (W2) EXISTING "NO PARKING FIRE LANE" SIGN TO BE REMOVED.
- (W3) NEW "NO PARKING FIRE LANE" SIGN.
- (W4) PEDESTRIAN CROSSING SIGN TO REMAIN.
- (W5) NEW PICKUP DIRECTIONAL SIGN.
- (W6) EXISTING MISC TRUCK/PARKING/AISLE SIGN TO REMAIN.
- (X) EXISTING SIGN MOUNTING BASE WITH BOLLARD TO BE REMOVED.
- (Y1) NEW SIGN MOUNTING BASE WITH BREAK AWAY POST.
- (Z1) NEW SOLID ARROW PAVEMENT MARKINGS.
- (Z2) EXISTING DOUBLE YELLOW PAVEMENT STRIPE TO BE RESTRIPED.
- (Z3) EXISTING STOP TEXT PAVEMENT MARKING TO BE REMOVED.
- (Z4) EXISTING FORWARD/LEFT OR RIGHT TURN ONLY PAVEMENT MARKING TO BE RESTRIPED.
- (Z5) EXISTING PICKUP PAVEMENT GRAPHIC TO BE REMOVED.
- (Z6) EXISTING SINGLE WHITE LINE TO BE RESTRIPED.

NOTES TO CONTRACTOR:

1. BFR (BUILDING FRONTAGE ROAD)
   OCR (OUTER CIRCULATION ROAD)
2. CONTRACTOR SHALL INSTALL 'NEW' STOP BARS, SIGNS, AND TEXT TO MATCH CURRENT DETAILS AT THE LOCATIONS SHOWN ON THESE PLANS.
3. ALL SIGNS LOCATED ON THE BUILDING SIDE OF THE BFR SHALL BE INSTALLED ON A SINGLE POST WITH BOLLARD.
4. CONTRACTOR TO REPAINT PARKING LOT LIGHT POLE BASES AND REMOVE PREVIOUS OVERSPRAY ON PAVING. REPLACE COVER FOR ANCHOR BOLTS IF DAMAGED/MISSING.
5. CONTRACTOR TO REFRESH ALL PARKING LOT STRIPING TO MATCH EXISTING, EXCEPT WHERE SPECIFIED IN SSM OR SECP SHEETS.

REFER TO GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION (SHEET NS-1)

ALL PICKUP WAY FINDING AND STALL SIGNS ARE WALMART SUPPLIED AND CONTRACTOR INSTALLED. CONTRACTOR TO PLACE SIGN ORDER AT LEAST 3 WEEKS IN ADVANCE. ORDER SHALL BE SENT VIA EMAIL TO GETTY THOMAS

SEALCOAT NOTE:
CONTRACTOR SHALL INSTALL SEAL COAT ON EXISTING ASPHALT PAVING AT ANY STRIPED AREA THAT IS PART OF THE PICKUP SCOPE OF WORK. FOR EXISTING CONCRETE SURFACES, GC IS TO PREPARE THE SURFACE FOR PAINT ONLY.

NOTE:
THIS SITE PLAN WAS DEVELOPED BASED ON PLANS PREPARED BY CT CONSULTANTS AND "ALTA/NSPS LAND TITLE SURVEY" PREPARED BY CONTROL POINT ASSOCIATES, INC. DATED 05/30/2023.

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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

50 25 12.5 0 50
1"= 50'

OVERALL SITE PLAN - STOP SIGNS AND MARKINGS PLAN

REVISIONS	BY

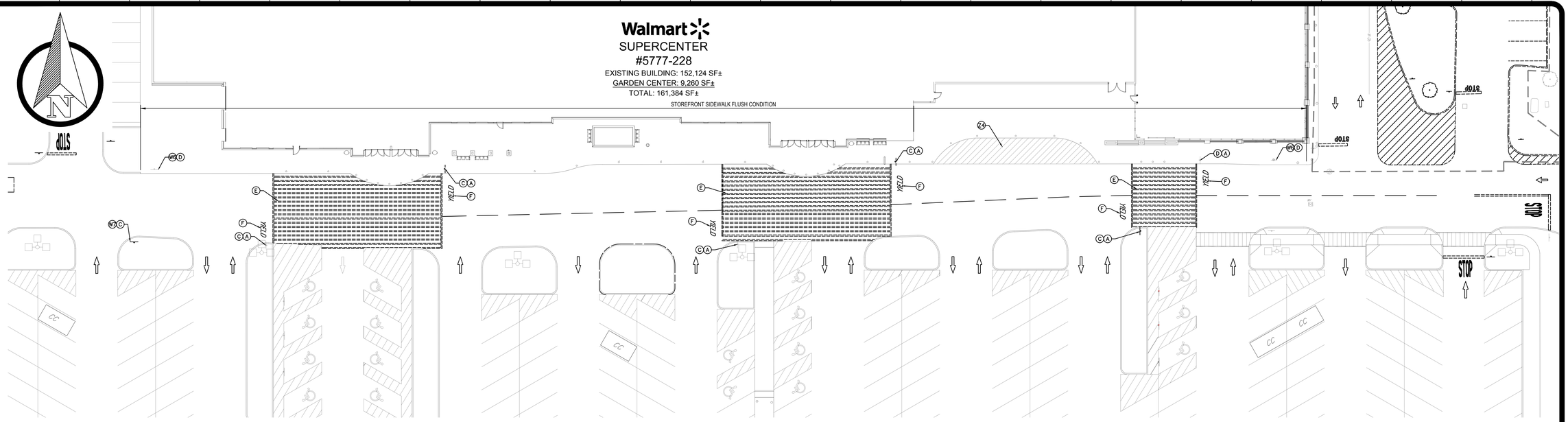
BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
PLANNING & ENTITLEMENT
PERMITTING SERVICES
TRANSPORTATION SERVICES

STATE OF CONNECTICUT — JEFFREY G. CHASE — 30010414 — REGISTERED PROFESSIONAL ENGINEER

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT
WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

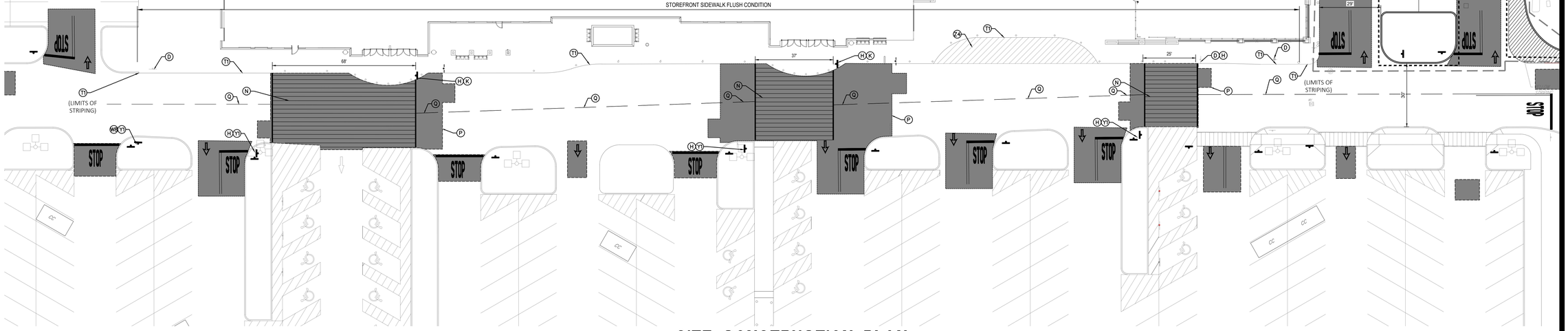
DRAWN	BTJ/TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	SSM-1

Walmart
SUPERCENTER
#5777-228
EXISTING BUILDING: 152,124 SF±
GARDEN CENTER: 9,260 SF±
TOTAL: 161,384 SF±



DEMOLITION PLAN

Walmart
SUPERCENTER
#5777-228
EXISTING BUILDING: 152,124 SF±
GARDEN CENTER: 9,260 SF±
TOTAL: 161,384 SF±



SITE CONSTRUCTION PLAN

STOP SIGNS AND MARKING PLAN LEGEND

REFERENCE DETAIL SHEET

- (A) EXISTING PEDESTRIAN CROSSING SIGN TO BE REMOVED.
- (B1) EXISTING STOP SIGN TO BE REMOVED.
- (B2) EXISTING PICKUP DIRECTIONAL SIGN TO BE REMOVED.
- (C) EXISTING SIGN POST TO BE REMOVED.
- (D) EXISTING SIGN POST AND BASE TO REMAIN. EXISTING BOLLARD SHALL BE REPAINTED TRAFFIC YELLOW (SEE DETAIL).
- (E) EXISTING CROSSWALK STRIPING TO BE REMOVED.
- (F) EXISTING YIELD PAVEMENT MARKING TO BE REMOVED.
- (G) EXISTING DIRECTIONAL ARROW PAVEMENT MARKING TO BE REMOVED.
- (H) NEW "STOP HERE FOR PEDESTRIANS" SIGN.
- (I–1) NEW W4-4A "TRAFFIC FROM LEFT DOES NOT STOP" PLACARD. SEE DETAIL.
- (I–2) NEW W4-4B "ONCOMING TRAFFIC DOES NOT STOP" PLACARD. SEE DETAIL.
- (I–3) NEW W4-4A "TRAFFIC FROM RIGHT DOES NOT STOP" PLACARD. SEE DETAIL.
- (I–4) NEW R31-3P "ALL WAY" PLACARD. SEE DETAILNEW R31-3P "ALL WAY" PLACARD. SEE DETAIL
- (J1) NEW 30"X30" STOP SIGN.
- (J2) NEW 36"X36" STOP SIGN.

STOP SIGNS AND MARKING PLAN LEGEND - CONT.

- (K) NEW SIGN MOUNTING AND BASE WITH BOLLARD.
- (L) NEW STOP TEXT AND STOP BAR.
- (M) EXISTING BOLLARD (TO BE REMOVED).
- (M) EXISTING BOLLARD TO REMAIN AND BE PAINTED TRAFFIC YELLOW.
- (N) NEW CROSSWALK MARKINGS - 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)-8" WHITE STRIPE PERPENDICULAR ON BOTH ENDS UNLESS NOTED OTHERWISE. SEE SITE PLAN FOR DIMENSIONS. ENTIRE CROSSWALK SHALL BE RE-STRIPED.
- (O) NEW "CROSS TRAFFIC DOES NOT STOP" (W4-4P) SIGN MOUNTED BELOW STOP SIGN
- (P) LIMITS OF SEAL COAT. APPLY SEAL COAT OVER WHERE STRIPING AND PAVEMENT MARKINGS WERE REMOVED AND WHERE NEW STRIPING AND PAVEMENT MARKINGS WILL BE APPLIED. APPLY NEW STRIPING AND PAVEMENT MARKINGS OVER SEAL COAT.
- (Q) 4" WIDE PAINTED YELLOW STRIPES - 6' LONG WITH 18' GAPS.
- (R) EXISTING STOP BAR AND STRIPING TO BE REMOVED.
- (S) NEW OPEN ARROW PAVEMENT MARKINGS.
- (T1) NEW 6" WIDE FIRE LANE STRIPING PAINTED TRAFFIC RED WITH "NO PARKING FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 25' SPACING. SEE DETAIL.
- (T2) NEW FIRE LANE STRIPING TO MATCH EXISTING.
- (U) NEW STOP BAR
- (V) 4" WIDE DOUBLE SOLID YELLOW STRIPE.
- (W1) EXISTING STOP SIGN TO REMAIN.

STOP SIGNS AND MARKING PLAN LEGEND - CONT.

- (W2) EXISTING "DO NOT ENTER" SIGN TO REMAIN.
- (W3) EXISTING AISLE / ROW INDICATOR SIGN TO REMAIN.
- (W4) PEDESTRIAN CROSSING SIGN TO REMAIN.
- (W5) EXISTING PICKUP DIRECTIONAL SIGN TO REMAIN.
- (W6) EXISTING "NO PARKING FIRE LANE SIGN" TO REMAIN.
- (W7) EXISTING "NO PARKING FIRE LANE SIGN" TO BE REMOVED.
- (W8) NEW "NO PARKING FIRE LANE SIGN" TO REMAIN
- (X) EXISTING CROSSWALK STRIPING TO REMAIN
- (Y1) NEW SIGN MOUNTING BASE WITH BREAK AWAY POST.
- (Z1) NEW SOLID ARROW PAVEMENT MARKINGS.
- (Z2) EXISTING "NO PARKING FIRE LANE" SIGN TO BE REMOVED
- (Z3) NEW SOLID YELLOW PAVEMENT MARKING. SEE DETAIL
- (Z4) EXISTING PAVEMENT STRIPING TO BE REFRESHED.

NOTES TO CONTRACTOR:

1. REFERENCE SITE CONSTRUCTION PLAN FOR SITE SPECIFIC DIMENSIONS OF CROSSWALK STRIPING AND LOCATION OF SIGNAGE.
2. PROVIDE A COMPREHENSIVE CONSTRUCTION PHASING PLAN FOR THIS WORK TO THE STORE MANAGER 7 DAYS PRIOR TO STARTING ANY WORK. IT IS TO PROVIDE FOR DATES, TIMES AND DURATION OF LANE CLOSURES, TEMPORARY VEHICLE AND PEDESTRIAN TRAFFIC CONTROL.
3. ALL EXISTING STRIPING AND PAVEMENT MARKINGS OR TEXT ALONG THE BFR (BUILDING FRONTAGE ROAD) SHALL BE REMOVED. GRIND OUT ANY DIRECTIONAL ARROWS OR STOP BARS/TEXT THAT ARE NOT CORRECTLY LOCATED OR INCONSISTENT WITH THE DETAILS PROVIDED. CONTRACTOR SHALL REMOVE THE PAVEMENT MARKINGS IN THEIR ENTIRETY PRIOR TO SEAL COAT. APPLY SEAL COAT TO THE COMPLETE EXTENT THAT THE STRIPING OR TEXT HAS BEEN REMOVED IN A SINGLE COMPLETE RECTANGLE TO COVER ALL REMOVED STRIPING (DO NOT APPLY SEAL COAT OVER EXISTING STRIPING OR CONCRETE). INSTALL NEW STRIPING AND SIGNAGE AS SHOWN ON THE SITE CONSTRUCTION PLAN.
4. ALL SIGNS LOCATED ON THE BUILDING SIDE OF THE BFR SHALL BE INSTALLED ON A SINGLE POST WITH BOLLARD.
5. CONTRACTOR TO PROVIDE AND INSTALL YELLOW PLASTIC LIGHT POLE BASE COVERS AND YELLOW PLASTIC BOLLARD COVERS. ONLY LIGHT POLE BASES OVER 80" IN CIRCUMFERENCE TO BE PAINTED. REMOVE PREVIOUS OVERSPRAY ON PAVING. REPLACE COVER FOR ANCHOR BOLTS IF DAMAGED/MISSING.
6. CONTRACTOR TO REFRESH ALL PARKING LOT STRIPING TO MATCH EXISTING, EXCEPT WHERE SPECIFIED IN SSM OR SECP SHEETS.
7. CONTRACTOR TO POWER WASH EXISTING SIDEWALK ALONG THE BFR, AUTO CARE CENTER, AND ONLINE PICKUP AREA.

20 10 5 0 20
1"= 20'

DEMOLITION AND SITE CONSTRUCTION PLAN

REVISIONS	BY

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
LAND DEVELOPMENT
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
PLANNING & ENTITLEMENTS
PERMITTING SERVICES
TRANSPORTATION SERVICES

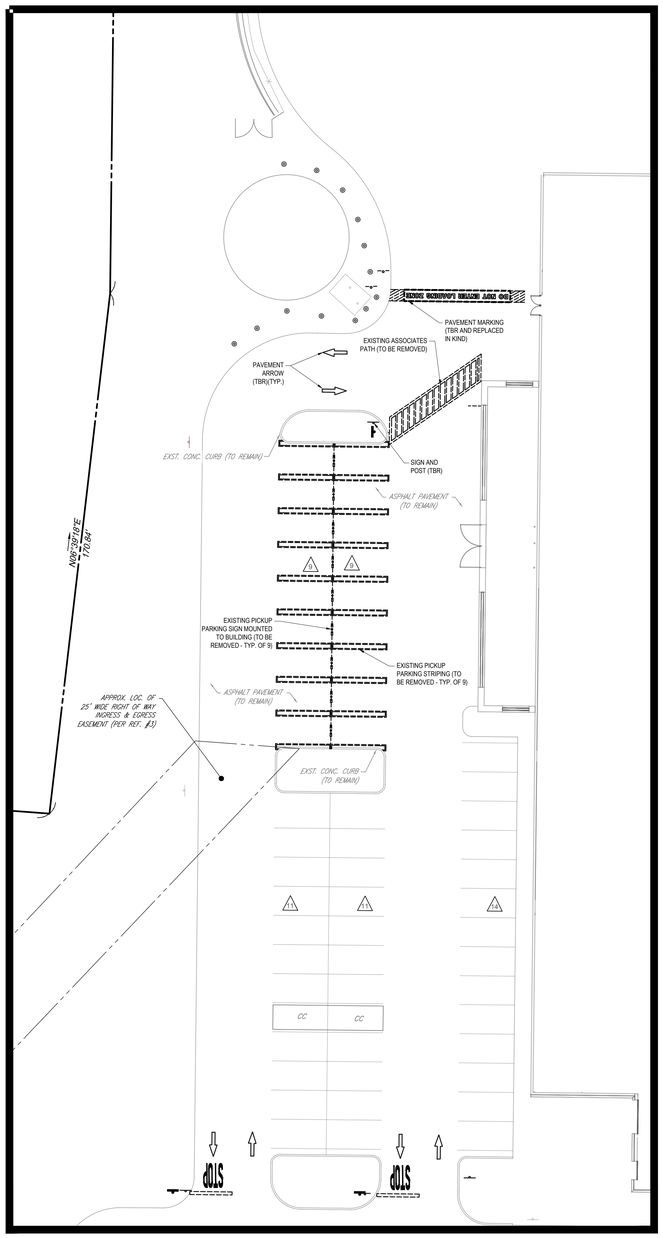
STATE OF CONNECTICUT
JOSEPH J. CARUSO
30414
LICENSED PROFESSIONAL ENGINEER

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT

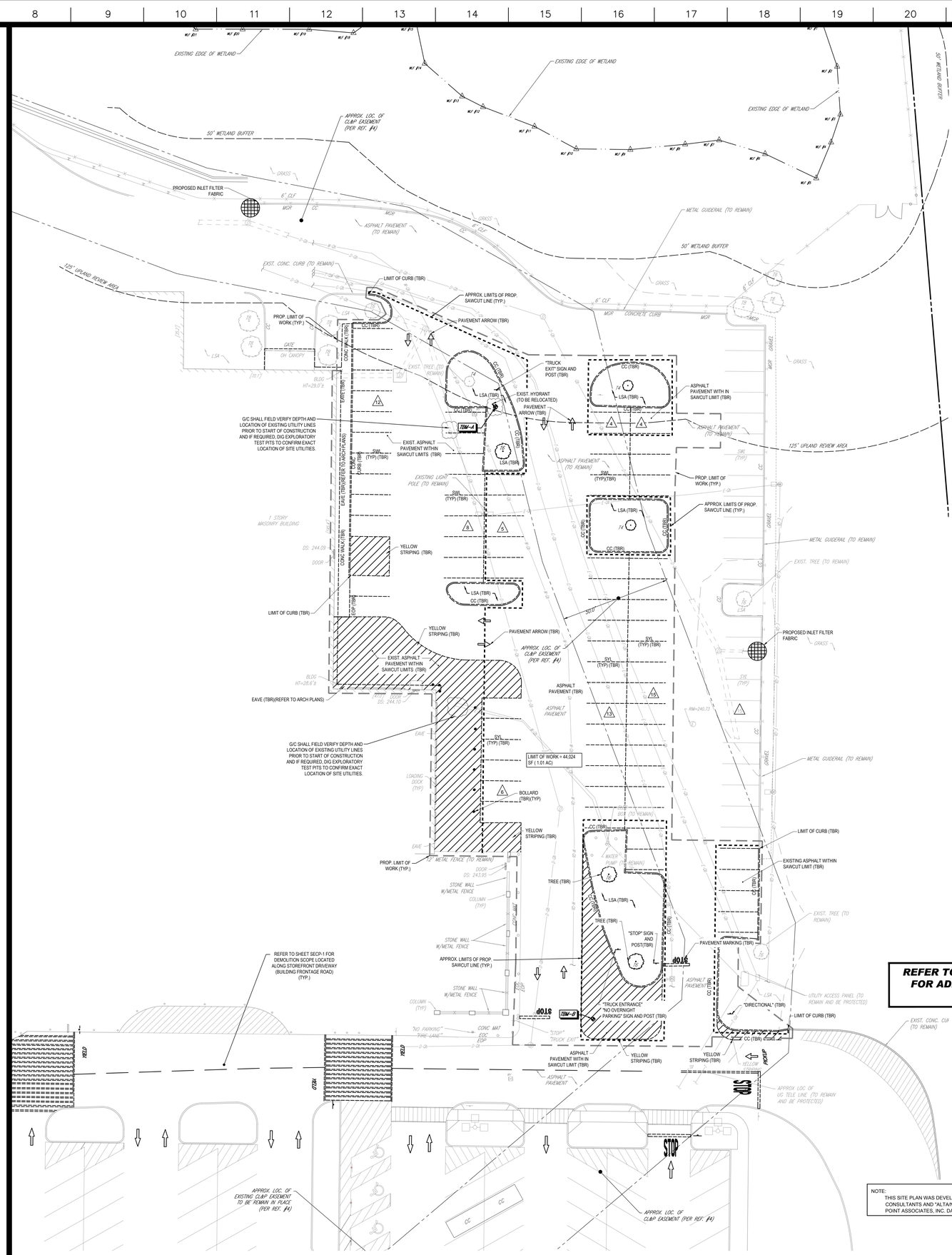
WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

Walmart

DRAWN	BTJ/TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	SECP-1



EXISTING PICKUP DEMOLITION PLAN



REFER TO GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION (SHEET NS-1)

20 10 5 0 20
1"= 20'

811 Know what's **below.** **Call** before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTE:
THIS SITE PLAN WAS DEVELOPED BASED ON PLANS PREPARED BY CT CONSULTANTS AND "ALTA/NSPS LAND TITLE SURVEY" PREPARED BY CONTROL POINT ASSOCIATES, INC. DATED 05/30/2023.

DEMOLITION AND EROSION CONTROL PLAN

REVISIONS	BY

BOHLER

SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SURVEYING & MAPPING
PERMITTING SERVICES
TRANSPORTATION SERVICES

STATE OF CONNECTICUT
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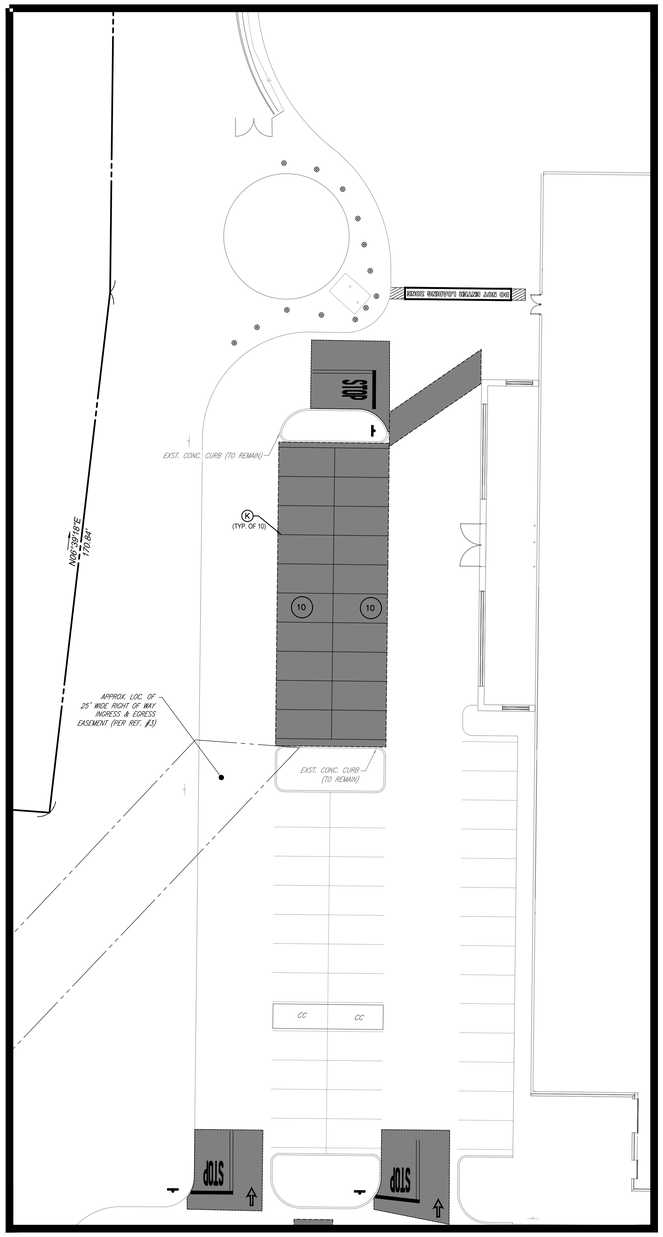
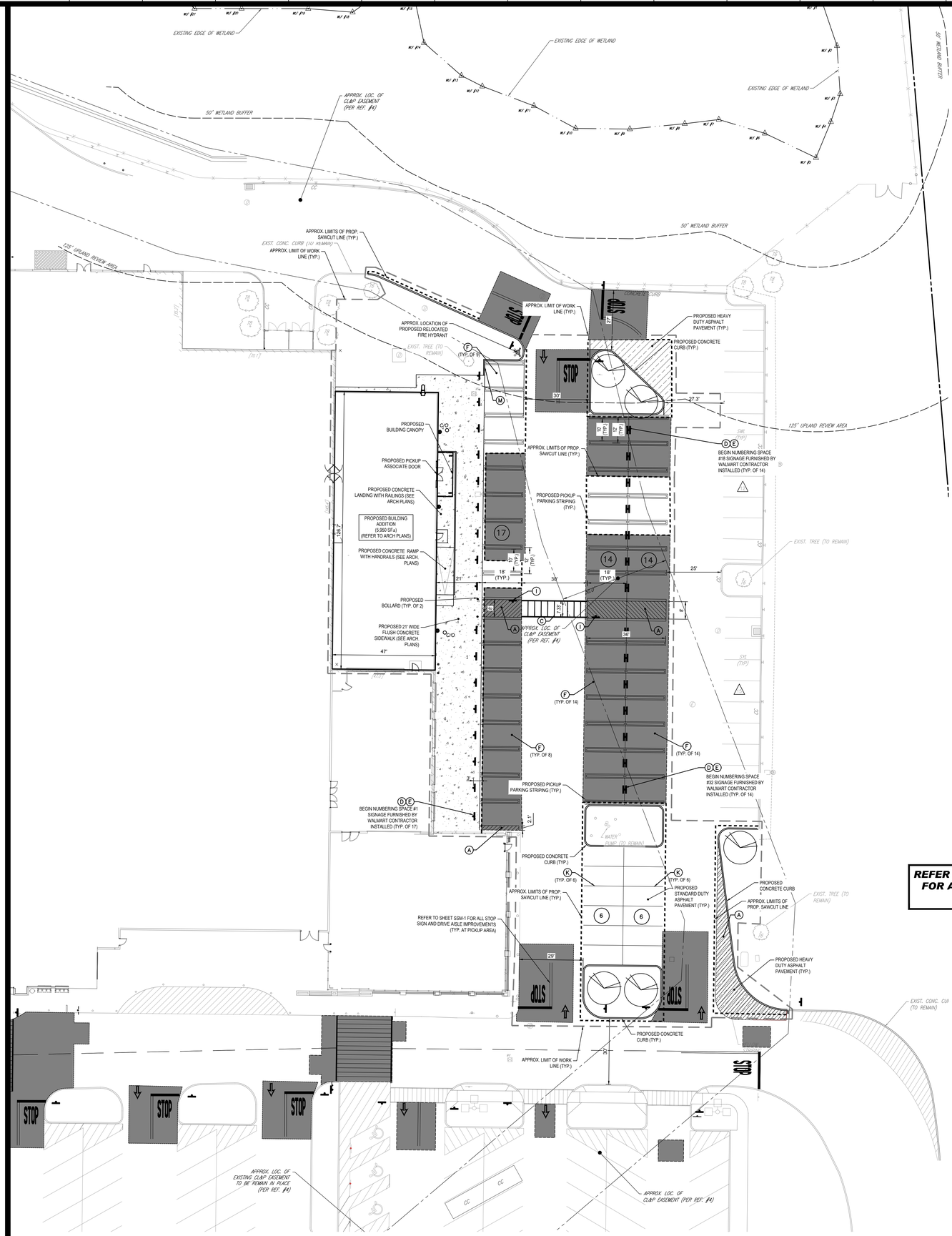
DM-1



EXISTING PICKUP SITE CONSTRUCTION PLAN



SITE PLAN

SITE LEGEND
ALL DETAIL REFERENCES ON SHEET DTL-1

- (A) 4" WIDE YELLOW PAVEMENT MARKING @ 2' O.C. @ 45°.
- (B) PICKUP BREAKAWAY SIGN MOUNTING AND BASE (WITHIN CURBED ISLAND). SEE DETAIL.
- (C) ASSOCIATE PATH CROSSWALK STRIPING. SEE DETAIL.
- (D) PICKUP PARKING SIGNAGE. SEE DETAIL.
- (E) PICKUP PARKING SIGN MOUNTING AND BASE IN PROTECTIVE BOLLARD. SEE DETAIL.
- (F) PICKUP PARKING STALL WITH YELLOW PAVEMENT MARKINGS. SEE DETAIL.
- (G) PICKUP SIGN PANEL AND SIGN POST TO BE REMOVED.
- (H) PICKUP SIGN PANEL TO BE REMOVED.
- (I) PROP. "STOP HERE FOR PEDESTRIANS" SIGN MOUNTED IN PROP. BOLLARD. REFER TO SIGN MOUNTING DETAIL.
- (J) NEW PICKUP BANNER SIGN MOUNTED TO EXISTING LIGHT POLE. TOP OF SIGN SHALL BE SET 18 FT. ABOVE FINISHED GRADE. SEE DETAIL.
- (K) PROP. STANDARD PARKING STALL WITH YELLOW PAVEMENT MARKINGS.
- (L) PROP. 30"x30" STOP SIGN MOUNTED IN PROP. BOLLARD. SEE DETAIL.
- (M) PROP. TRANSITION CURB. SEE DETAIL

LEGEND
- HEAVY DUTY ASPHALT PAVEMENT
- STANDARD DUTY ASPHALT PAVEMENT
- PAVEMENT SEAL COAT

REFER TO GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION (SHEET NS-1)

SEALCOAT NOTE:
CONTRACTOR SHALL INSTALL SEAL COAT ON EXISTING ASPHALT PAVING AT ANY STRIPED AREA THAT IS PART OF THE PICKUP SCOPE OF WORK AND ADDITIONAL ASSOCIATED PARKING SPACES REQUIRED TO BE STRIPED AS SHOWN ON THESE PLANS. FOR EXISTING CONCRETE SURFACES, GC IS TO PREPARE THE SURFACE FOR PAINT ONLY.

ALL PICKUP WAY FINDING AND STALL SIGNS ARE WALMART SUPPLIED AND CONTRACTOR INSTALLED. CONTRACTOR TO PLACE SIGN ORDER AT LEAST 3 WEEKS IN ADVANCE. ORDER SHALL BE SENT VIA EMAIL TO CETTY THOMAS

20 10 5 0 20
1"= 20'

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TRANSPORTATION SERVICES

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352 NEW LONDON TURNPIKE, SUITE 305, NORWICH, CT 06360
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EXISTING EDGE OF WETLAND

50' WETLAND BUFFER

APPROX. LOC. OF C,I&P EASEMENT (PER REF. #4)

125' UPLAND REVIEW AREA

EXIST. CONC. CURB (TO REMAIN)

PROP. LIMIT OF WORK (TYP.)

PROP. WATER LINE

PROP. THRUST BLOCK

PROP. GATE VALVE

PROP. FIRE HYDRANT

EXISTING 24" CPP DRAIN PIPE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED BUILDING FOUNDATION DETAILS IN CLOSE PROXIMITY TO EXISTING DRAINAGE PIPE

INV. TO TOP OF PIPE FOR 24" CONNECTION

PROP. INSERTA TEE CONNECTION FOR ROOF DRAINS

PROPOSED BUILDING ADDITION (5,990 SF±) (REFER TO ARCH PLANS)

1 STORY MASONRY BUILDING

CONCRETE CURB

MAP 41
LOT 10B
N/F LANDS OF RICHARD GREEN, BK. 594, PG. 243.

S04°44'53"E 692.87'

EXIST. CONC. CURB (TO REMAIN)

YELLOW STRIPING

APPROX. LOC. OF EXISTING C,I&P EASEMENT TO BE REMAIN IN PLACE (PER REF. #4)

20 10 5 0 20
1"= 20'

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NOTE:
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GRADING,DRAINAGE, AND UTILITY PLAN

NOTE: SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

WHITE LEGEND RED BACKGROUND

R1-1

30"X30" STOP SIGN
WITHIN PARKING LOT
N.T.S.

NOTES:
1. 36" STOP SIGN SHALL BE MOUNTED ON DOUBLE POST WITH BREAK AWAY POST.
2. SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

WHITE LEGEND RED BACKGROUND

R1-1

36"X36" STOP SIGN
AT HIGHWAY/STREET INTERSECTIONS
N.T.S.

NOTE: SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

LEGEND, BORDER - BLACK
BACKGROUND - WHITE (RETROREFLECTIVE)
STOP SYMBOL - RED (RETROREFLECTIVE)

R1-5b

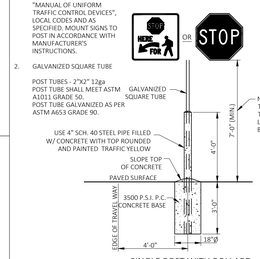
STOP FOR PEDESTRIANS
N.T.S.

NOTES FOR SINGLE POST WITH BOLLARD:
1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. GALVANIZED SQUARE TUBE

POST TUBES - 2"X2" 12ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.

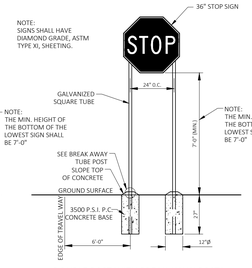
USE 4" SCH. 40 STEEL PIPE FILLED W/ CONCRETE WITH TOP ROUNDED AND PAINTED TRAFFIC YELLOW

NOTE: ALL SIGNS LOCATED ON THE BUILDING SIDE OF THE BFR ARE TO BE INSTALLED ON A SINGLE POST WITH BOLLARD.



SINGLE POST WITH BOLLARD

NOTE: SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.



DOUBLE POST WITH BREAK AWAY POSTS

NOTES FOR SINGLE POST WITH BREAK AWAY POST:
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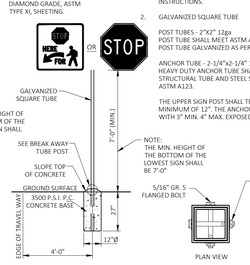
2. GALVANIZED SQUARE TUBE

POST TUBES - 2"X2" 12ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.

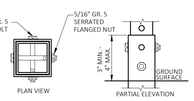
ANCHOR TUBE - 2-1/4"x2-1/4" 12ga
HEAVY DUTY ANCHOR TUBE SHALL MEET ASTM A500 GRADE B. STRUCTURAL TUBE AND STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123.

THE UPPER SIGN POST SHALL TELESCOPE INSIDE THE ANCHOR TUBE A MINIMUM OF 12". THE ANCHOR TUBE SHALL BE A MINIMUM 27" DEEP WITH 3" MIN. 4" MAX. EXPOSED ABOVE FINISH GRADE.

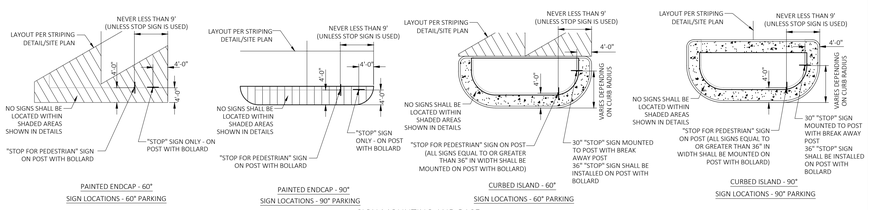
NOTE: SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.



SINGLE POST WITH BREAK AWAY POST



SQUARE TUBE BREAK AWAY POST



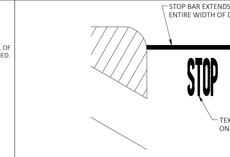
PAINTED ENDCAP - 60"
SIGN LOCATIONS - 60' PARKING

PAINTED ENDCAP - 90"
SIGN LOCATIONS - 90' PARKING

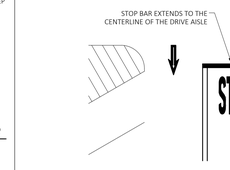
CURBED ISLAND - 60"
SIGN LOCATIONS - 60' PARKING

CURBED ISLAND - 90"
SIGN LOCATIONS - 90' PARKING

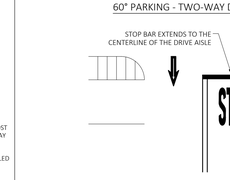
SIGN MOUNTING AND BASE
N.T.S.



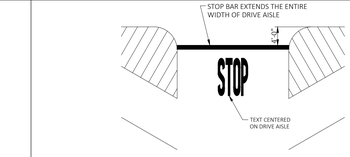
60° PARKING - ONE-WAY DRIVE AISLE



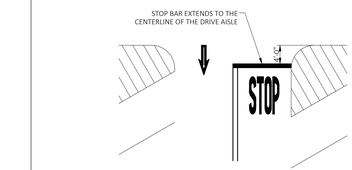
60° PARKING - TWO-WAY DRIVE AISLE



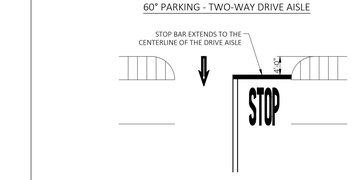
90° PARKING



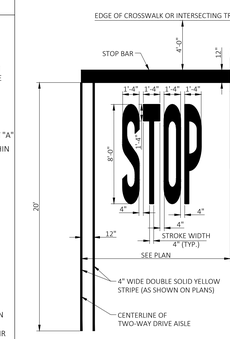
60° PARKING - ONE-WAY DRIVE AISLE



60° PARKING - TWO-WAY DRIVE AISLE

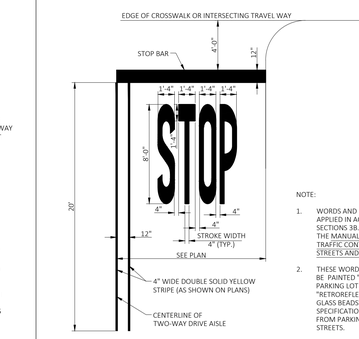


90° PARKING



NOTE:
1. WORDS AND LINES SHALL BE APPLIED IN ACCORDANCE WITH SECTIONS 3B.16 AND 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE WORDS AND BAR ARE TO BE PAINTED "WHITE" WHEN IN PARKING LOT AND "RETROREFLECTIVE WHITE WITH GLASS BEADS", PER SPECIFICATIONS, WHEN AT EXITS FROM PARKING LOT TO PUBLIC STREETS.

STOP PAVEMENT MARKINGS - PARKING LOT
WITH STOP SIGN
(AS SHOWN ON PLANS)
N.T.S.



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2. THESE WORDS AND BAR ARE TO BE PAINTED "WHITE" WHEN IN PARKING LOT AND "RETROREFLECTIVE WHITE WITH GLASS BEADS", PER SPECIFICATIONS, WHEN AT EXITS FROM PARKING LOT TO PUBLIC STREETS.

STOP PAVEMENT MARKINGS - PARKING LOT
WITHOUT STOP SIGN
(AS SHOWN ON PLANS)
N.T.S.

BLACK LEGEND YELLOW BACKGROUND

W4-4B

NOTE: SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

"ONCOMING TRAFFIC" PLAQUE
N.T.S.

BLACK LEGEND YELLOW BACKGROUND

W4-4A

NOTE: SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

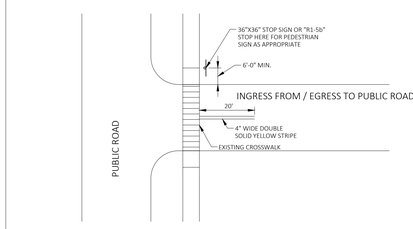
"LEFT/RIGHT TRAFFIC" PLAQUE
N.T.S.

BLACK LEGEND YELLOW BACKGROUND

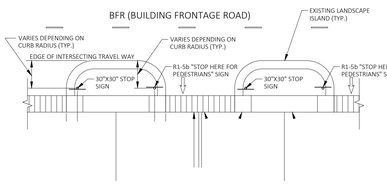
W4-4P

NOTE: SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

"CROSS TRAFFIC" PLAQUE
N.T.S.

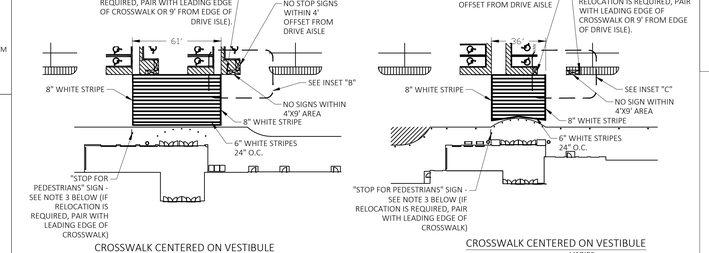


SIGN LOCATION WHEN STOP CONDITION AT END OF BUILDING ALONG BFR WITH CROSSWALK



STOP SIGN LOCATION WHERE STOP BAR AND
TEXT CONFILTS WITH CROSSWALK MARKINGS
N.T.S.

05/21/19

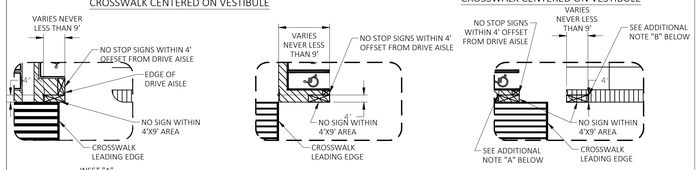


CROSSWALK OFF-SET FROM CENTER OF VESTIBULE

CROSSWALK OFF-SET FROM CENTER OF VESTIBULE

CROSSWALK CENTERED ON VESTIBULE

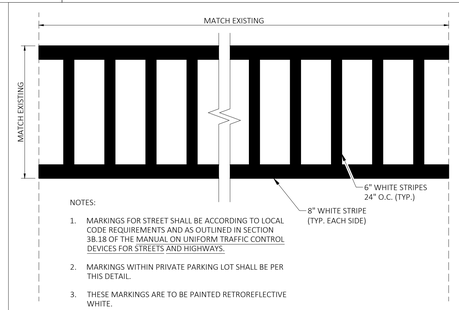
CROSSWALK CENTERED ON VESTIBULE



NOTES:
1. REFERENCE EACH VESTIBULE ON THE SITE PLAN FOR FINAL LAYOUT, DIMENSIONS AND SIGN LOCATION.
2. SEE INSETS "A", "B" AND "C" FOR SIGN LOCATION FOR EACH OF THE THREE OPTIONS.
3. ONLY RELOCATE SIGN POST IF OFFSET MORE THAN 9' FROM LEADING EDGE OF CROSSWALK (EITHER SIDE IN EITHER DIRECTION) ALONG FRONT DRIVE.

ADDITIONAL NOTES FOR INSET "C":
A. IF CROSSWALK LEADING EDGE IS LESS THAN HALF WAY ACROSS THE DRIVE AISLE, THE CROSSWALK SIGN WILL LAG THE LEADING EDGE.
B. IF CROSSWALK LEADING EDGE IS BEYOND HALF WAY ACROSS THE DRIVE AISLE, THE CROSSWALK SIGN WILL LEAD THE LEADING EDGE.

SIGN LOCATION AND VESTIBULE CROSSWALK STRIPING
(APPLICABLE TO STRIPED OR RAISED ISLANDS BASED ON SITE CONDITIONS)
(MODIFIED)



NOTES:
1. MARKINGS FOR STREET SHALL BE ACCORDING TO LOCAL CODE REQUIREMENTS AND AS OUTLINED IN SECTION 3B.18 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. MARKINGS WITHIN PRIVATE PARKING LOT SHALL BE PER THIS DETAIL.
3. THESE MARKINGS ARE TO BE PAINTED RETROREFLECTIVE WHITE.

CROSSWALK MARKING
W/ LONGITUDINAL STRIPES
(MODIFIED)
N.T.S.

NOTES:
1. ARROWS SHALL BE APPLIED IN ACCORDANCE WITH SECTION 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. OPEN ARROWS SHALL CONSIST OF A 4" PERIMETER STRIPE.

OPEN ARROW PAVEMENT MARKINGS
(MODIFIED)
N.T.S.

SECP AND STOP SIGNS AND MARKINGS DETAIL SHEET

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LAND DEVELOPMENT
PERMITTING SERVICES
TRANSPORTATION SERVICES

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KEVIN G. RUSS
#30010414
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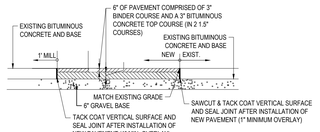
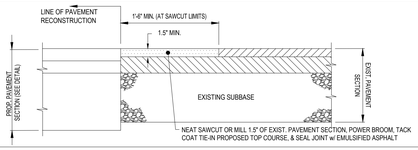
JOB No.	MAA230031.00
SHEET	SECP/ SSM DETAILS

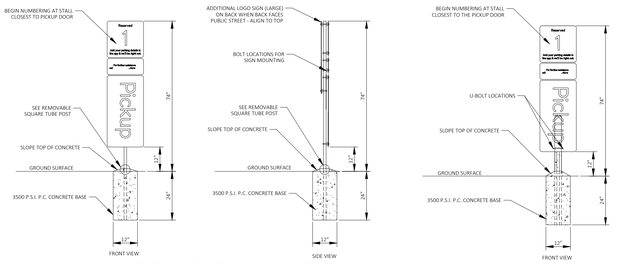


NOTE: FOR WORK WITHIN THE ROW, PAVEMENT DEPTHS AND SPECIFICATIONS TO CONFORM TO DOT REQUIREMENTS

1 DRIVEWAY PATCHING
N.T.S.



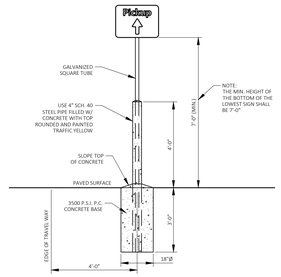
2 PAVEMENT MILLING BITUMINOUS CONCRETE PAVEMENT TIE-IN
N.T.S.



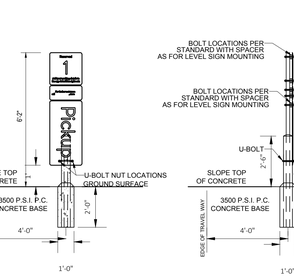
TYPICAL PARKING SIGNAGE IN CURBED ISLAND

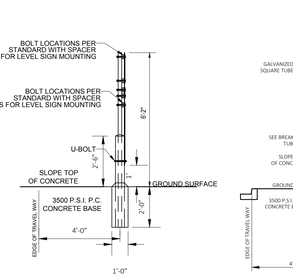
TYPICAL PARKING SIGNAGE IN PAVEMENT

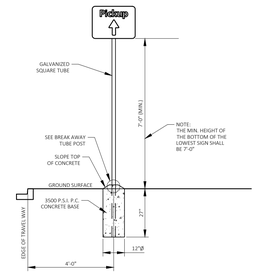
3 PICKUP PARKING SIGN MOUNTING AND BASE
N.T.S.

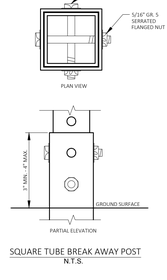


NOTES FOR SINGLE POST WITH BOLLARD:
1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. GALVANIZED SQUARE TUBE
POST TUBES - 2"X2" 12ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.

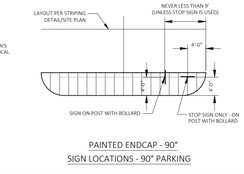


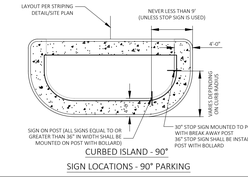






NOTES FOR SINGLE POST WITH BREAK AWAY POST:
1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. GALVANIZED SQUARE TUBE
POST TUBES - 2"x2" 12ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.
ANCHOR TUBE - 2 1/4"x2 1/4 12ga
HEAVY DUTY ANCHOR TUBE SHALL MEET ASTM A500 GRADE B
STRUCTURAL TUBE AND STEEL SHALL BE HOT-DIP GALVANIZED PER ASTM A123.
THE UPPER SIGN POST SHALL TELESCOPE INSIDE THE ANCHOR TUBE A MINIMUM OF 12". THE ANCHOR TUBE SHALL BE A MINIMUM 27" DEEP WITH 3" MIN. 4" MAX. EXPOSED ABOVE FINISH GRADE.





4 SIGNAGE DIRECTIONAL SIGN MOUNTING AND BASE
N.T.S.

NOTE TO GC: INSTALL SEAL COAT ON EXISTING ASPHALT/CONCRETE PAVING AT ENTIRE CROSSWALK AREA AND ENTIRE PARKING AREA THAT IS PART OF THE PICKUP SCOPE OF WORK

NOTE TO GC: CROSSWALK TO BE CENTERED ON ETR RAMP. IF RAMP DROPPED CURB WIDTH IS LESS THAN 7' - 4", THEN THE RAMP SHOULD BE REPLACED. IF A "STOP FOR PEDESTRIANS" SIGN IS NOT PRESENT, THEN THE G.C. TO PROVIDE AND INSTALL A MUTCD SIGN R1-5b OR W11-2. MATCH EXISTING ON SITE

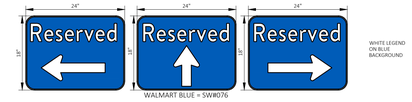
5 CROSSWALK DETAIL
N.T.S.

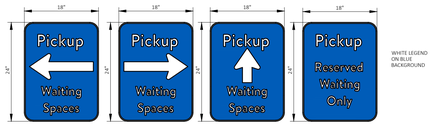
6 PIPE BOLLARD DETAIL
N.T.S.

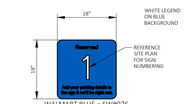
NOTE TO CONTRACTOR:
SIGN WILL BE MOUNTED DIRECTLY TO WALL W/ (4) 1/4" MASONRY SCREWS AT EACH SIGN IF CANOPY OR PARKING SPACE IS WITHIN 8'-0" OF BUILDING.

NOTE TO CONTRACTOR:
INSTALL SEAL COAT ON EXISTING ASPHALT PAVING AT ANY STRIPED AREA THAT IS PART OF THE PICKUP SCOPE OF WORK. FOR EXISTING CONCRETE SURFACES, G.C. TO PREPARE SURFACE FOR PAINT ONLY.

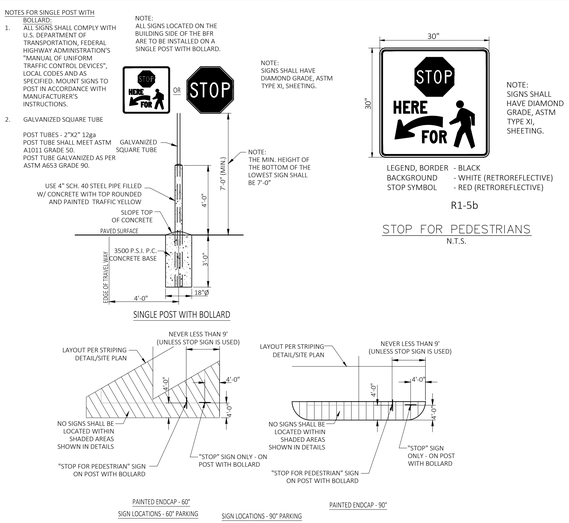
8 PICKUP PARKING STALL DETAIL (PROTO WIDTH = 12')
N.T.S.







7 STOP FOR PEDESTRIANS SIGN & SIGN MOUNTING/BASE DETAIL
N.T.S.



NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

LEGEND, BORDER - BLACK
BACKGROUND - WHITE (RETROREFLECTIVE)
STOP SYMBOL - RED (RETROREFLECTIVE)

R1-5b

STOP FOR PEDESTRIANS
N.T.S.

9 SIGNAGE MOUNTED TO BUILDING OR POST
N.T.S.

DETAIL SHEET

REVISIONS	BY

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
PERMITTING SERVICES
TRANSPORTATION SERVICES

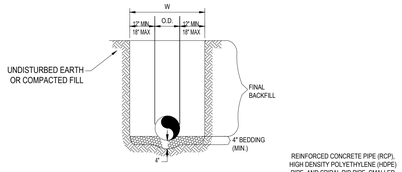
STATE OF CONNECTICUT
TIMOTHY G. CHASE
29010414
REGISTERED PROFESSIONAL ENGINEER

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT

WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

Walmart

DRAWN	BTJ/TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	DTL-1



REINFORCED CONCRETE PIPE (RCP), HIGH DENSITY POLYETHYLENE (HDPE) PIPE, AND SPIRAL RIB PIPE SMALLER THAN 60"ID

GENERAL NOTES

1. BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR.

2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85%/9% PROCTOR.

3. INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.

4. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.

5. FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.

6. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 85% STANDARD PROCTOR.

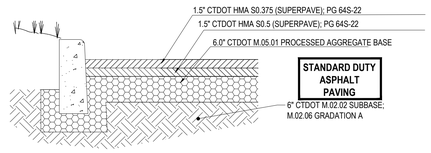
7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.

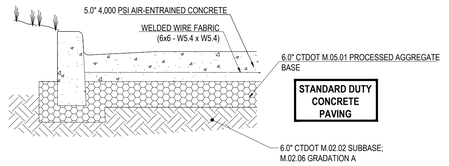
8. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D-698, CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.

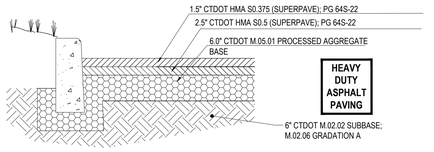
9. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".

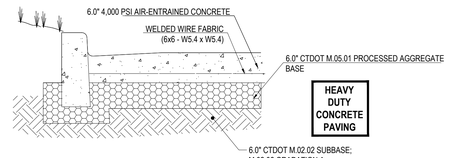
10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

10 STORM SEWER TRENCH AND BEDDING
N.T.S.



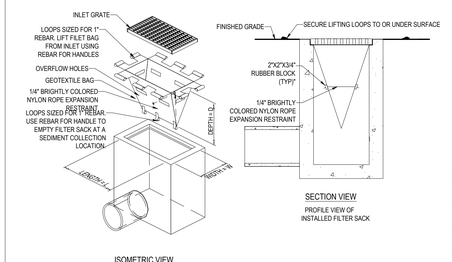






NOTES:
1.) DESIGN INFORMATION TAKEN FROM "INITIAL REPORT OF GEOTECHNICAL INVESTIGATION" PREPARED BY WHITESTONE ASSOCIATES, INC. DATED MAY 31, 2023.
2.) SUBGRADE COMPACTED TO MIN. 95% OF MODIFIED PROCTOR MAXIMUM LABORATORY DENSITY

11 PAVING DETAILS
N.T.S.



ISOMETRIC VIEW

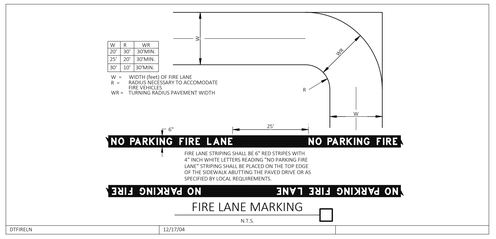
SECTION VIEW
PROFILE VIEW OF INSTALLED FILTER SACK

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC^{-1}
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC^{-1}

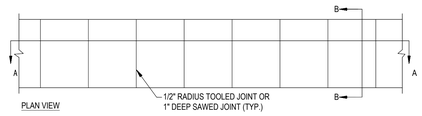
NOTE:
DO NOT USE IN PAVED AREAS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

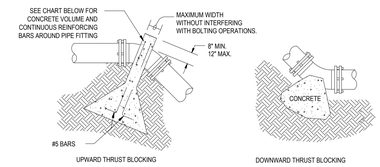
12 FILTER SACS (GRATED INLETS) DETAIL
N.T.S.



13 FIRE LANE MARKING DETAIL
N.T.S.



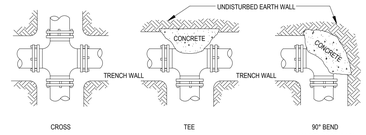
14 CONCRETE SIDEWALK DETAIL
N.T.S.



UPWARD THRUST BLOCKING (REQUIRED REINFORCING BARS & CUBIC YARDS OF P.C. CONCRETE											
	90° BEND			45° BEND			22 1/2° BEND			11 1/4°BEND	
PIPE SIZE	CONC. C.Y.	REINF QTY.	REINF SIZE	CONC. C.Y.	REINF QTY.	REINF SIZE	CONC. C.Y.	REINF QTY.	REINF SIZE	CONC. C.Y.	REINF QTY.	REINF SIZE
6"	1.5	3	5	1.5	3	5	1.25	2	5	1.25	2	5
8"	2	3	5	2	3	5	1.5	2	5	1.5	2	5
10"	2.5	3	5	2.5	3	5	2	3	5	2	3	5
12"	3	3	5	3	3	5	2.5	3	5	2.5	3	5

NOTES:
1. DO NOT COVER BELLS OR FLANGES WITH CONCRETE
2. WRAP ALL FITTINGS WITH VISQUEEN.
3. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
4. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
5. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
6. REACTION BACKING TABLE IS BASED ON 100 P.S.I. AND SOIL BEARING PRESSURE OF 2000 lb./sq.ft. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
7. ALL CONCRETE SHALL BE 2500 P.S.I.
8. 18" AND LARGER REQUIRES SPECIFIC ANTI-THRUST DESIGN.

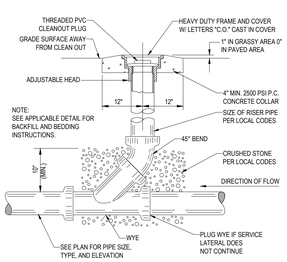
15 VERTICAL THRUST BLOCKING
N.T.S.



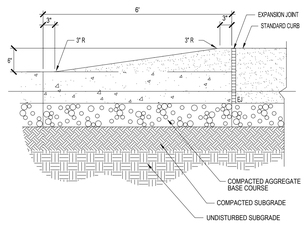
HORIZONTAL THRUST BLOCKING (BLOCKING HEIGHT GREATER THAN PIPE O.D.) (BLOCKING WIDTH BETWEEN 1 & 2 TIMES HEIGHT)						
REQUIRED SQ. FT. OF UNDISTURBED EARTH WALL FOR REACTION BACKING						
TYPE OF FITTINGS						
PIPE SIZE	TEE & PLUG	BENDS				
		90°	45°	22 1/2°	11 1/4°	
3"	1.0	1.0	1.0	1.0	1.0	
4"	1.0	1.0	1.0	1.0	1.0	
6"	1.5	2.0	1.0	1.0	1.0	
8"	2.5	3.5	1.8	1.0	1.0	
10"	4.0	5.5	2.8	1.5	1.0	
12"	6.0	8.0	4.0	2.0	1.5	

NOTES:
1. DO NOT COVER BELLS OR FLANGES WITH CONCRETE
2. WRAP ALL FITTINGS WITH VISQUEEN.
3. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
4. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
5. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
6. REACTION BACKING TABLE IS BASED ON 100 P.S.I. AND SOIL BEARING PRESSURE OF 2000 lb./sq.ft. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
7. ALL CONCRETE SHALL BE 2500 P.S.I.
8. 18" AND LARGER REQUIRES SPECIFIC ANTI-THRUST DESIGN.

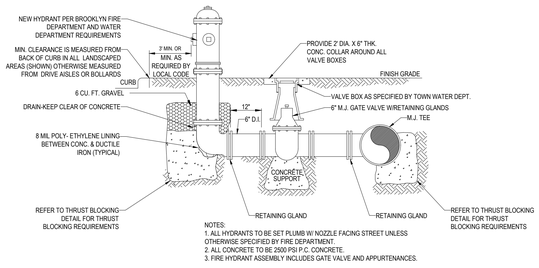
16 HORIZONTAL THRUST BLOCKING
N.T.S.



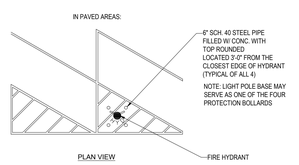
16 CLEANOUT DETAIL
N.T.S.



17 TRANSITION CURB DETAIL
N.T.S.



NOTES:
1. ALL HYDRANTS TO BE SET PLUMB W/ NOZZLE FACING STREET UNLESS OTHERWISE SPECIFIED BY FIRE DEPARTMENT.
2. ALL CONCRETE TO BE 2500 PSI P.C. CONCRETE.
3. FIRE HYDRANT ASSEMBLY INCLUDES GATE VALVE AND APPURTENANCES.



18 TYPICAL HYDRANT & VALVE INSTALLATION
N.T.S.

DETAIL SHEET

REVISIONS	BY

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
LANDSCAPE ARCHITECTURE
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
PLANNING & FEASIBILITY
PERMITTING SERVICES
TRANSPORTATION SERVICES

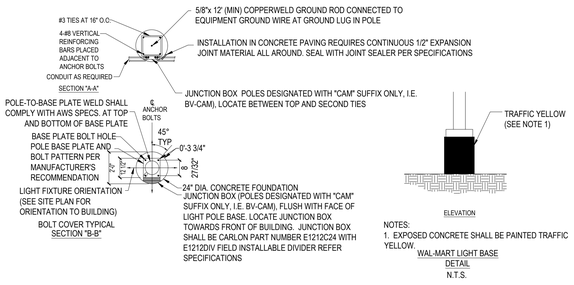
STATE OF CONNECTICUT
JEFFREY G. CHASE
21004414
REGISTERED PROFESSIONAL ENGINEER

SUPERCENTER #6777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT

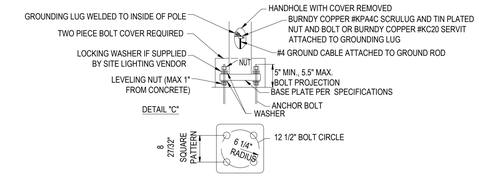
WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

Walmart

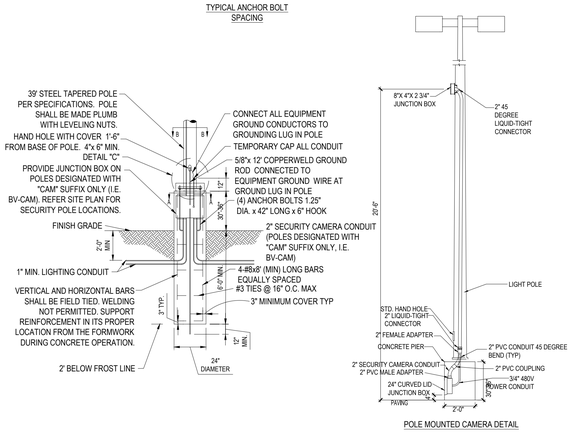
DRAWN	BTJ/TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	DTL-2



WAL-MART LIGHT BASE DETAIL
N.T.S.



TYPICAL ANCHOR BOLT SPACING

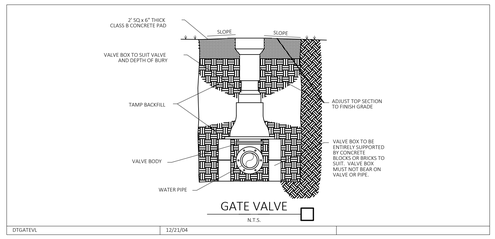


POLE MOUNTED CAMERA DETAIL

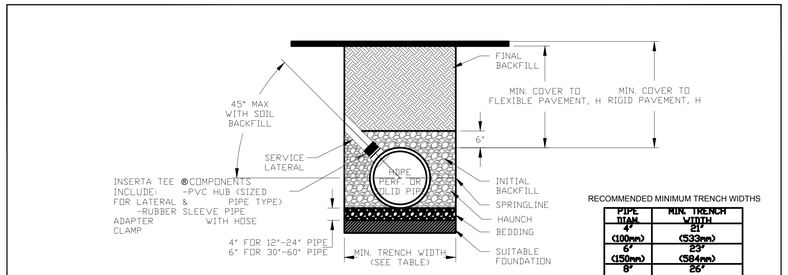
NOTE:
ONLY FOR POLE LOCATIONS DESIGNATED WITH "CAM" SUFFIX ONLY, I.E. BV-CAM. CAMERAS AND WIRING BY OTHERS.

NOTES:
1. 3500 PSI MIN. 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 REINFORCING STEEL
2. IF WATER IS PRESENT IN HOLE, REMOVE BEFORE POURING CONCRETE.
3. FOUNDATION EXCAVATION SHALL BE BY 24" AUGER IN UNDISTURBED OR PROPERLY COMPACTED FILL PER SPECIFICATIONS.
4. FOUNDATION SHALL HAVE A MINIMUM ALLOWABLE END BEARING OF 2000 PSF.
5. FOUNDATION HAS BEEN DESIGNED FOR A COHESIVE SOIL BASED ON A MINIMUM COHESIVE VALUE OF 1000 PSF.
6. FOUNDATION HAS BEEN DESIGNED FOR A GRANULAR SOIL BASED ON A MINIMUM LATERAL SOIL PRESSURE OF 1000 PSF, UTILIZING AASHTO FIGURE 1.8.2C(4) OF "EMBEDMENT OF POSTS WITH OVERTURNING LOADS".
7. DETAIL FOR 39' POLE WITH MAX. FIXTURE EPA 4.6 SQ.FT.
8. ALL LIGHT POLE BASE FOUNDATIONS SHALL BE CAST-IN-PLACE. PRE-CAST LIGHT POLE BASE FOUNDATIONS ARE NOT ACCEPTABLE.

19 TYPICAL LIGHTING POLE BASE DETAIL
N.T.S.



20 GATE VALVE
N.T.S.



NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION

2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

3. THE INSERTA TEE® CONNECTION SHOULD NOT BE PLACED AT AN ANGLE EXCEEDING 45° FROM THE SPRINGLINE. GREATER ANGLES ARE SUBJECT TO DESIGN ENGINEER APPROVAL AND MAY REQUIRE PREMIUM BACKFILL.

4. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

5. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).

6. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

7. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4" (100mm)	21" (533mm)
6" (150mm)	23" (584mm)
8" (200mm)	26" (660mm)
10" (250mm)	28" (711mm)
12" (300mm)	30" (762mm)
15" (375mm)	34" (864mm)
18" (450mm)	39" (991mm)
24" (600mm)	48" (1219mm)
30" (750mm)	56" (1422mm)
36" (900mm)	64" (1626mm)
42" (1050mm)	72" (1829mm)
48" (1200mm)	80" (2032mm)
54" (1350mm)	88" (2235mm)
60" (1500mm)	96" (2438mm)

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

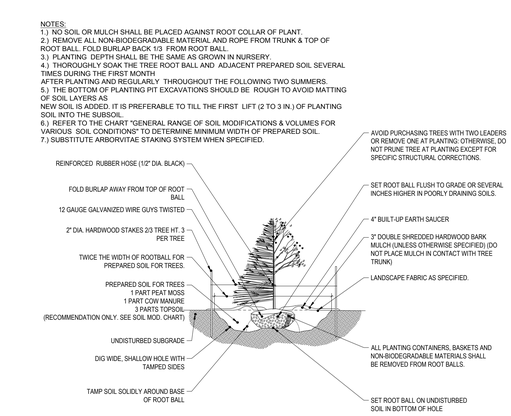
REV:	DESCRIPTION	BY	MM/DD/YY	CHK'D
2	REV. DRAWING NAME OR NUMBER	TJR	01/28/16	

INSERTA TEE DETAIL (IIDPX)
DRAWING NUMBER: STD-1011

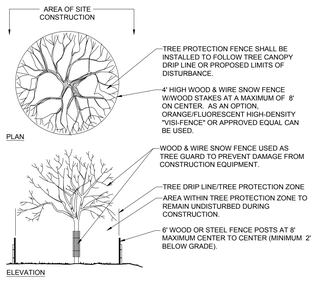
ADS ADVANCED DRAINAGE SYSTEMS, INC.
4640 TRUEMAN BLVD.
HILLIARD, OHIO 43026

DRAWN BY: JLE
DATE: 11/5/10
REVISED:
SCALE: NTS
SHEET: 1 OF 1

21 INSERTA TEE DETAIL
N.T.S.



22 TREE PLANTING DETAIL
N.T.S.



23 TREE PROTECTION DURING SITE CONSTRUCTION
N.T.S.

DETAIL SHEET

REVISIONS	BY

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
PLANNING & SURVEYING
PERMITTING SERVICES
TRANSPORTATION SERVICES

STATE OF CONNECTICUT
KEVIN T. O'BRIEN
No. 30414
LICENSED PROFESSIONAL ENGINEER

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT

WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

Walmart

DRAWN	BTJ/TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	DTL-3

SITE DEMOLITION SPECIFICATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Demolition of structures, paving, and utilities.
   2. Patching and filling voids created as a result of removals or demolition.

1.2 REGULATORY REQUIREMENTS

A. Compliance with all laws, including Safety Laws, Environmental Laws, Stormwater Laws and Worker Verification Laws as well as requirements found within the Contract Documents and these Specifications, that pertain to Safety Compliance, Environmental Compliance, Stormwater Compliance and Worker Verification Compliance. Obtain required permits and licenses from appropriate authorities. Pay associated fees including disposal charges.
B. Notify affected utility companies before starting work and comply with their requirements.
C. Do not close or obstruct public or private roadways, sidewalks, or fire hydrants without appropriate permits or written authorization.
D. If hazardous, contaminated materials or other environmental related conditions are discovered, stop work immediately and notify the Wal-Mart Construction Manager for action to be taken. Do not resume work until specifically authorized by the Construction Manager.

1.3 PROJECT CONDITIONS

A. Conditions existing at time of inspection for bidding purposes will be maintained by Owner as reasonably practical.
B. Unless otherwise indicated in Contract Documents or specified by the Owner, items of salvageable value to Contractor shall be removed from site and structures. Storage or sale of removed items on site will not be permitted and shall not interfere with other work specified.

PART 2 - PRODUCTS

2.1 FILL MATERIALS

A. Fill material shall be aggregate fill materials consisting of stone, gravel, or sand free from debris, trash, frozen materials, roots, and other organic matter.

2.2 CONCRETE

A. Mix concrete and deliver in accordance with ASTM C 94.
B. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water_reducing admixture, air_entraining admixture, and water to produce following:
   1. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on the Drawings.
   2. Slump Range: 1 to 3-inches at time of placement
   3. Air Entrainment: 5 to 8 percent

PART 3 - EXECUTION

3.1 PREPARATION

A. Provide, erect, and maintain erosion control devices, temporary barriers, and security devices at locations indicated on Construction Drawings. Provide a comprehensive construction phasing plan for this work to the store manager 7 days prior to starting any work. It is to provide for dates, times and duration of lane closures, temporary vehicle and pedestrian traffic control.
B. Protect existing landscaping materials, appurtenances, and structures, which are not to be demolished. Repair damage to existing items to remain caused by demolition operations.
C. Prevent movement or settlement of adjacent structures. Provide bracing and shoring as necessary.
D. Mark location of utilities. Protect and maintain in safe and operable condition utilities that are to remain. Prevent interruption of existing utility service to occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities as acceptable to governing authorities and Owner.
E. For work on operating Walmart sites, prior to any underground excavation, contractor is expected to obtain current and representative underground utility plans from Walmart for private utilities that are not located by others. This is specifically intended to provide approximate locations for Walmart private utilities including water, sewer, electrical, telephone and data services.
F. Notify adjacent property owners of work that may affect their property, potential noise, utility outages, or other disruptions. Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property. Coordinate notice with Owner.

3.2 GENERAL DEMOLITION REQUIREMENTS

A. Conduct demolition to minimize interference with adjacent structures or pavements to remain.
B. Cease operations immediately if adjacent structures appear to be in danger. Notify authority having jurisdiction. Do not resume operations until directed by authority.
C. Conduct operations with minimum of interference to public or private access. Maintain ingress and egress at all times other than in specific areas where work is in progress.
D. Sprinkle work with water to minimize dust. Provide hoses and water connections for this purpose.
E. Comply with governing regulations pertaining to environmental protection.
F. Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to condition existing prior to start of work.

3.3 DEMOLITION

A. Demolish site improvements designated to be removed as shown on the drawings. Site improvements shall include but not be limited to structures, foundations, pavements, curbs and gutters, drainage structures, utilities, signage or landscaping.
B. Disconnect and cap or remove utilities to be abandoned as shown on the drawings.
C. Fill or remove piping and appurtenances as shown.
D. Demolish concrete and masonry in small sections. Break up concrete slabs_on_grade that are 2-feet or more below proposed subgrade to permit moisture drainage. Remove slabs-on-grade and below grade construction within 2-feet of proposed subgrade.

3.4 PATCHING

A. Where improvements are removed from paved areas, pavements shall be sawcut in straight lines at the perimeter and patched. Damaged pavement adjacent to removed improvements shall also be removed and patched.
B. Pavement patches shall be paved with minimum 6" concrete, broom finished and flush with adjacent grades.

3.5 FILLING VOIDS

A. Completely fill below grade areas and voids resulting from demolition or removal of structures, etc., using aggregate fill materials consisting of stone, gravel, or sand free from debris, trash, frozen materials, roots, and other organic matter.
B. Areas to be filled shall be free of standing water, frost, frozen or unsuitable material, trash, and debris prior to fill placement.
C. Place fill materials in lifts not to exceed 6 inches loose measure and compacted to 95 percent of maximum laboratory density per ASTM D698 with moisture content of not less than 1 percent below and not more than 3 percent above optimum moisture content.
D. Grade surface to match adjacent grades and to provide flow of surface drainage after fill placement and compaction.

3.6 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove from site debris, rubbish, and other materials resulting from demolition operations. Leave areas of work in clean condition.
B. No burning of any material, debris, or trash on_site or off_site will be allowed.
C. Transport materials removed from demolished structures with appropriate vehicles and dispose off-site to areas that are approved for disposal by governing authorities and appropriate property owners.

END OF SECTION

PAVEMENT MARKINGS SPECIFICATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Painting and marking of pavements, curbs, and guard posts (bollards)..

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
B. American Association of State Highway and Transportation (AASHTO):
   1. AASHTO M247 - Glass Beads Used in Traffic Paints
   2. AASHTO M248 - Ready-Mixed White and Yellow Traffic Paints
C. Master Painter's Institute (MPI):
   1. MPI 32 - Traffic Marking Paint, Solvent Based.
   2. MPI 97 - Traffic Marking Paint, Latex.
D. ASTM International (ASTM):
   1. ASTM D4414 - Standard Practice for Measurement of Wet Film Thickness by Notched Gauges.
E. Federal Specifications (FS):
   1. FS A-A-2886 - Paint, Traffic, Solvent Based (supersedes FS TT-P-85 and FS TT-P-115, Type I)
   2. FS TT-B-1325 - Beads (Glass Spheres) Retro-Reflective
   3. FS TT-P-1952 - Paint, Traffic And Airfield Marking, Waterborne

1.3 PROJECT CONDITIONS

A. Maintain access for vehicular and pedestrian traffic as required for other construction activities. Utilize flagmen, barricades, warning signs, and warning lights as required.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Paint shall be waterborne or solvent borne, colors as shown or specified herein. Pavement marking paints shall comply with applicable state and local laws enacted to ensure compliance with Federal Clean Air Standards. Paint materials shall conform to the restrictions of the local Air Pollution Control District.
B. Waterborne Paint: Paints shall conform to FS TT-P-1952 and have MPI 97 approval.
C. Solvent Borne Paint: Paint shall conform to FS A-A-2886 or AASHTO M248 and have MPI 32 approval. Paint shall be non_bleeding, quick_drying, and alkyd petroleum base paint suitable for traffic_bearing surface and be mixed in accordance with manufacturer's instructions before application for colors White, Yellow, Blue, and Red.
D. Glass Beads: AASHTO M 247, Type 1 or FS TT-B-1325, Type 1, Gradation A.
E. Pickup Area Pavement Marking Paint: Paint shall conform to the requirements specified herein for solvent borne or waterborne paints, with exception of the relevant difference due to the material being supplied in a color other than white or yellow.
   1. Color: Orange, according to the following mix rate:

Gallon	Color
5	Yellow
1	Red
6	Orange

   2. Contractor's Option: In lieu of field mixing, limited quantities of pre-mixed orange marking paint conforming to the requirements specified herein are available for purchase from select national coatings suppliers.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine the work area and correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.

3.2 PREPARATION

A. Sweep and clean surface to eliminate loose material and dust.
B. Where existing pavement markings are indicated on Construction Drawings to be removed or would interfere with adhesion of new paint, a motorized abrasive device or soda blasting shall be used to remove the markings. Equipment employed shall not damage existing paving or create surfaces hazardous to vehicle or pedestrian traffic.

3.3 CLEANING EXISTING PAVEMENT MARKINGS

A. Remove existing pavement markings which are in good condition but interfere or conflict with the newly applied marking patterns and as noted on plans. Deteriorated or obscured markings that are not misleading or confusing or do not interfere with the adhesion of the new marking material do not require removal. Conduct grinding, soda blasting or other operations in such a manner that the finished pavement surface is not damaged or left in a pattern that is misleading or confusing. Use dust collection system when removing existing pavement markings. Comply with the requirements of Section 01351 Regulatory Compliance Supplement for management and disposal of hazardous wastes.

3.4 APPLICATION

A. Apply two coats of same color of paint as specified below, at manufacturer's recommended rate, without addition of thinner, with maximum of 100 square feet per gallon or as required to provide a minimum wet film thickness of 15 mils and dry film thickness of 7 ½ mils per coat. Paint shall be applied for a total dry film thickness of 15 mils. Apply with mechanical equipment to produce uniform straight edges. At sidewalk curbs and crosswalks, use straightedge to ensure uniform, clean, and straight stripe.
B. Install pavement markings according to manufacturer's recommended procedures for the specified material.
C. Following items shall be painted with colors noted below:
   1. Pedestrian Crosswalks: White
   2. Exterior Sidewalk Curbs and Guard posts: Yellow
   3. Exterior Light Pole Bases: Yellow (unless otherwise noted on Construction Detail).
   4. Fire Lanes: Red or per local code.
   5. Lane Striping where separating traffic moving in opposite directions: Yellow.
   6. Lane Striping where separating traffic moving in the same direction: White.
   7. ADA Symbols: Blue or per local code.
   8. ADA parking space markings as shown on the drawings.
   9. Parking Stall Striping: Yellow, unless otherwise noted on Construction Drawings.
   10. Associate Parking Area: White, unless otherwise noted on Construction Drawings.
   11. "Pickup" area striping and other areas as shown on site plan and in associated details - Orange, as specified herein.
D. Apply glass beads at pedestrian crosswalk striping and at lane striping and arrows at driveways connecting to public streets. Broadcast glass beads uniformly into wet markings at a rate of 6 lb/gal.

3.5 FIELD QUALITY CONTROL

A. Field quality control shall be the responsibility of the Contractor. Field quality control testing and inspection shall be at the discretion of the Contractor as necessary to assure compliance with Contract requirements.

3.6 CLEANING

A. Waste materials shall be removed at the end of each workday. Upon completion of the work, all containers and debris shall be removed from the site. Paint spots upon adjacent surfaces shall be carefully removed by approved procedures that will not damage the surfaces and the entire job left clean and acceptable.

END OF SECTION

TRAFFIC SIGNS AND SIGNALS SPECIFICATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Traffic control signs.
B. Related Requirements:
   1. Section 09900 - Painting. Painting for painted posts where shown on the Drawings.

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
B. ASTM International (ASTM):
   1. ASTM A53 - Pipe, Steel, Black and Hot_Dipped, Zinc_Coated Welded and Seamless.
   2. ASTM C94 - Ready Mix Concrete
   3. ASTM D4956 - Retroreflective Sheeting for Traffic Control.
C. US Department of Transportation, Federal Highway Administration:
   1. Manual on Uniform Traffic Control Devices (MUTCD).

PART 2 - PRODUCTS

2.1 SIGNS

A. Conform to US Department of Transportation MUTCD. Sign classification, type, size, and color shall be as shown on the drawings
B. Retroreflectivity: Microprismatic type, diamond grade reflective sheeting conforming to ASTM D 4956, Type XI.

2.2 POSTS

A. Square Post: Square tubular steel sign post, galvanized, 12 ga, perforated full-length with 7/16 inch holes on four sides. Post size shall be as shown on the Drawings.
B. Steel Pipe: ASTM A 53, Type E (electric-resistance welded) or Type S (seamless), Grade B, Schedule 40, size as shown on the Drawings.

2.3 CONCRETE

A. Mix concrete and deliver in accordance with ASTM C 94.
B. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water_reducing admixture, air_entraining admixture, and water to produce following:
   1. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on the Drawings.
   2. Slump Range: 1 to 3-inches at time of placement
   3. Air Entrainment: 5 to 8 percent

PART 3 - EXECUTION

3.1 PREPARATION

A. Field verify underground utilities prior to sign installation. Primary utilities of concern of shallow depths are lawn sprinkler systems, electric, telephone, fiber optic, cable and gas.

3.2 INSTALLATION

A. Install signs as shown on the Drawings and in accordance with MUTCD and manufacturer's instructions.
B. Install signs of the type and at locations shown on the Drawings.
C. Install posts of the type as shown on the drawing.
D. Where shown as painted, field paint steel pipe posts in accordance with Section 09900.

END OF SECTION

SEAL COAT SHALL BE APPLIED WHERE EXISTING MARKINGS ARE REMOVED.

SMALL PROJECT SEAL COAT SPECIFICATION:

IN GENERAL:

· CRACK FILLING AND OIL SPOT TREATMENTS ARE NOT REQUIRED PRIOR TO SEAL COAT. OTHER THAN THESE EXCEPTIONS, PREPARE AND CLEAN AREA TO BE SEAL COATED CONSISTENT WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFICATION.

APPROVED MATERIALS:

1) STAR PRODUCTS
   · MICRO-PAVE PRO-BLEND WITH ADDED SAND
   · SINGLE COAT

2) SEAL MASTER
   · POLYMER MODIFIED MASTERSEAL WITH ADDED SAND
   · SINGLE COAT

3) GEM SEAL BLACK DIAMOND XL
   · WITH ADDED SAND
   · SINGLE COAT

MATERIALS IDENTIFIED IN SPECIFICATION SECTION 02787 CAN BE USED. COAL TAR BASED SEAL COAT MATERIALS IN ANY FORM ARE PROHIBITED.

SPECIFICATIONS SHEET

REVISIONS	BY

BOHLER

SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SURVEYING SERVICES
PERMITTING SERVICES
TRANSPORTATION SERVICES

STATE OF CONNECTICUT
TIMOTHY G. CHUNG
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Walmart

DRAWN	BT,JT,TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	CSS-1

SEAL COAT SPECIFICATION
PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Seal coats using a polymer-modified asphalt emulsion blended with fine aggregate.
B. Related Requirements:
   1. Site Demolition Specification
   2. Pavement Markings Specification
   3. Traffic Signs and Signals Specification

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
B. ASTM International (ASTM)

   1. ASTM C 136 - Method of Sieve Analysis of Fine and Coarse Aggregate
   2. ASTM D 217 - Method for Cone Penetration of Lubricating Grease
   3. ASTM D 244 - Test Methods for Emulsified Asphalts
   4. ASTM D 562 - Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer
   5. ASTM D 977 - Emulsified Asphalt
   6. ASTM D 2397 - Cationic Emulsified Asphalt
   7. ASTM D 2042 - Method for solubility of Asphalt Materials in Trichloroethylene
   8. ASTM D 3910 - Practice for Design, Testing, and Construction of Slurry Seal
   9. ASTM D 6690 - Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements

1.3 ADMINISTRATIVE REQUIREMENTS

A. Pre_installation Meeting: Convene a pre_installation meeting at the site at least two weeks prior to commencing work of this Section. Require attendance of parties directly affecting work of this Section, including, but not limited to, the store manager, Contractor, and job foreman.
   1. Contact Wal_Mart Construction Manager three weeks prior to pre_installation conference to confirm schedule.
   2. Record discussions of meeting and decisions, agreements reached, and furnish copy of record to each party attending. Review foreseeable methods and procedures related to paving work, including the following:
      a. Review preparation and installation procedures and coordinating and scheduling required with related work (including all required striping).
      b. Review proposed sources of materials.
      c. Tour, inspect, and discuss condition of existing pavement and other preparatory work such as patching and crack sealing. If crack sealing is needed (reference section 2.4.C below) or other areas of pavement distress are noted during tour, submit appropriate RFI to project team for review.
      d. Review requirements for protecting paving work, including restriction and redirection of traffic during installation and curing period.
      e. Review and finalize construction schedule and verify availability of materials, installer's personnel, equipment, traffic control devices, and facilities needed to make progress and avoid delays.
      f. Review paving requirements (drawings, specifications, and other contract documents).
      g. Review weather and forecasted weather conditions, and procedures for coping with unfavorable conditions.
h. Review health and safety precautions relating to handling and placement of seal coat.

1.4 QUALITY ASSURANCE

A. Contractor Qualifications: The seal coat applicator shall have not less than 3 years documented experience in the application of emulsion seal coats.

1.5 SITE CONDITIONS

A. Weather Limitations: Apply seal coat only under the following weather conditions:
1. The atmospheric temperature is between 50 and 90 F and is expected to remain above 50 F for 24 hours.
2. Pavement temperature is above 55 F.
3. Surface is dry and no moisture is expected within 24 hours.
4. Weather and wind conditions are such that overspray is preventable and will allow proper curing and opening to traffic within a reasonable time.
B. Maintain access for vehicular and pedestrian traffic as required by the Wal-Mart Store and Construction Manager. Utilize temporary striping, flagmen, barricades, warning signs, and warning lights as required.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Aggregate: Aggregate shall be 100 percent passing the No. 16 (1.18 mm) sieve when tested in accordance with ASTM C 136. Aggregate shall consist of hard, washed, dry natural or manufactured particles free of dust, trash, clay, organic materials or other contaminants.
B. Asphalt Emulsion: Comply with ASTM D977 or ASTM D2397 for SS-1h or CSS-1h. The penetration of the residue from the distillation test shall be 20 to 60. Clay stabilized emulsion, with a ph not greater than 7.0, and solids content not less than 45 percent may be used. The polymer material shall be milled or blended into the asphalt or emulsifier solution prior to the emulsification process. The minimum amount and type of polymer modifier shall be determined by the laboratory performing the mix design.
C. Coal Tar: Coal tar emulsion or coal tar/asphalt emulsion shall not be used as a substitute for asphalt emulsion.
D. Water: Water shall be potable and free of harmful soluble salts or reactive chemicals and any other contaminants and at least 50 F.
E. Additives: Additives shall be included and approved as part of the mix design and be compatible with the other components of the mix.
F. Crack Sealant: Crack sealant shall conform to ASTM D6690, Type II or higher and compatible with the specified seal coat emulsion.

2.2 COMPOSITION

A. Composition. Seal coat shall consist of a mixture of the specified emulsion, water, aggregate, and additives and be proportioned to meet the requirements shown in the following Table 1.

TABLE 1 - Undiluted Seal Coat Design Properties

Method	Minimum	Maximum
Weight (per gallon), ASTM D 244, lbs	9.0	
Cone Penetration, ASTM D 217, mm	340	700
% Non-Volatile[1]	50	
% Non-Volatile Residue Soluble in Trichloroethylene, ASTM D 2042	10	35
Wet Track Abrasion Loss, ASTM D 3910, g		35
Viscosity, ASTM D 562, KU	75	
Dried Film Color	Black	

[1]Weigh 10 g of homogeneous product into a previously tared, small ointment can. Place in an oven at 325°F for 90 minutes. Cool, reweigh and calculate non-volatile residue as a percent of the original mass.

2.3 EQUIPMENT

A. Distributors. Distributors or spray units used for the spray application of the seal coat shall be self-propelled and capable of uniformly applying 0.10 to 0.30 gallons per square yard of material over the required width of application. Distributors shall be equipped with tachometers, pressure gauges, and volume measuring devices. The mix tank shall have a mechanically powered, full sweep, mixer with sufficient power to move and homogeneously mix the entire contents of the tank.
B. Spray Nozzles. Nozzles shall be free from clogs and debris and set at the same angle.
C. Mixing Equipment. The mixing machine shall have a continuous flow mixing unit capable of accurately delivering a predetermined proportion of aggregate, water, and emulsion, and of discharging the thoroughly mixed product on a continuous basis. The mixing unit shall be capable of thoroughly blending all ingredients together and discharging the material without segregation.
D. Spreading Equipment. Spreading equipment shall be a mechanical type squeegee/brush distributor attached to the mixing machine, equipped with flexible material in contact with the surface to prevent loss of slurry from the spreader box. It shall be maintained to prevent loss of slurry on varying grades and adjusted to assure uniform spread. There shall be a lateral control device and a flexible strike off capable of being adjusted to lay the slurry at the specified rate of application. The spreader box shall have an adjustable width. The box shall be kept clean. Emulsion and aggregate build up on the box shall not be permitted.
E. Clean equipment with a petroleum solvent if previously used with a different material.
F. Hand Squeegee or Brush Application. Hand spreading application shall be used only in places not accessible to the mechanized equipment or to accommodate neat trim work at curbs, etc. Material that is applied by hand shall meet the same standards as that applied by machine.
G. Calibration. Spreading equipment shall be provided with a method of calibration by the manufacturer. Equipment shall be calibrated to assure that it will produce and apply a mix that conforms to the job mix formula. Calibrations shall be made with the approved job materials prior to application of the seal coat.

2.4 PREPARATION

A. Remove all existing striping in areas subject to seal coating as noted in plans. Reference applicable specification section in Site Demolition.
B. Remediate distressed areas of existing pavement by saw-cutting and removing existing pavement, regrading and compacting the underlying base course and replacing with full depth asphalt at locations and as shown on the drawings.
   1. Repairs not specifically shown on the plans but considered necessary by the contractor, store manager or construction manager (CM) shall be identified and submitted as an RFI to the project team prior to commencement of repairs.
   2. Repairs submitted by RFI and approved shall be performed as directed by the CEC. Cost for such work directed and performed will be paid for in accordance with the “Changes in the Work” Clause of the General Conditions.
C. Longitudinal and traverse cracks in excess of 0.25 inch, but less than 1 inch shall be sealed with a crack sealant. Cracks that contain weed or other live vegetable matter shall be treated with a locally approved, non-oil based sterilant prior to applying the crack filler.
D. Existing crack sealants in the parking lot shall be evaluated for compatibility with the specified emulsion. If not compatible with each other they can't be used together. Immediately prior to applying the seal coat, the surface shall be cleared of all loose material, dirt, dust, grease, oil, vegetation and other objectionable material. If water is used, cracks shall be allowed to dry thoroughly before applying the seal coat.
E. Protect existing manholes, inlets, vaults, valve boxes, meter boxes, etc. as necessary to maintain free accessibility upon completion of seal coat application. Surfaces adjacent to seal coat application areas such as sidewalks, curb and/or gutter, storefronts, etc. shall be protected by use of felt paper anchored with clean aggregate, or by shielding components with plywood during application.
F. Coordinate limits of seal coat application operations with Owner's Construction Manager and Store Manager to avoid interruption to store operations. Protect adjacent areas of the parking lot outside of current seal coat application limits to avoid tracking onto adjacent areas. Partition off limits of current seal coat operations until surface is traffic ready.
G. Coordinate with Store Manager to deactivate lawn sprinkler systems least 48 hours prior to placing the seal coat and remain off for at least 24 hours after the seal coat application.

2.5 APPLICATION

A. Apply seal coat at a total rate (undiluted) of 0.17gal./SY.
B. Dampen pavement with a fog spray of water if ambient temperatures exceed 80°F. No standing water shall remain on the surface.
C. Apply the coat uniformly in a manner such that the combined application of the coat equals the total rate specified above.
D. Suspend application when the distribution tank has less than 100 gallons left and refill to prevent irregular patterns or misses.
E. The coat shall be allowed to dry and cure initially a minimum of 2-4 hours before applying any markings. The initial drying shall allow evaporation of water of the applied mixture, resulting in the coating being able to sustain light foot traffic. The initial curing shall enable the mixture to withstand vehicle traffic without damage to the seal coat.
F. The finished surface shall present a uniform texture with no streaks.
G. The single coat shall be allowed to dry a minimum of eight hours in dry daylight conditions before opening to traffic, and initially cure enough to support vehicular traffic without damage to the seal coat.
H. Where marginal weather conditions exist during the eight hour drying time, additional drying time shall be allowed. The length of time shall be as specified by the supplier. The surface shall be checked after the additional drying time for trafficability before opening the section to vehicle traffic.

END OF SECTION

END OF SECTION

SPECIFICATIONS SHEET 2

REVISIONS	BY

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
CONSTRUCTION MANAGEMENT
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
LAND DEVELOPMENT
PERMITTING SERVICES
TRANSPORTATION SERVICES

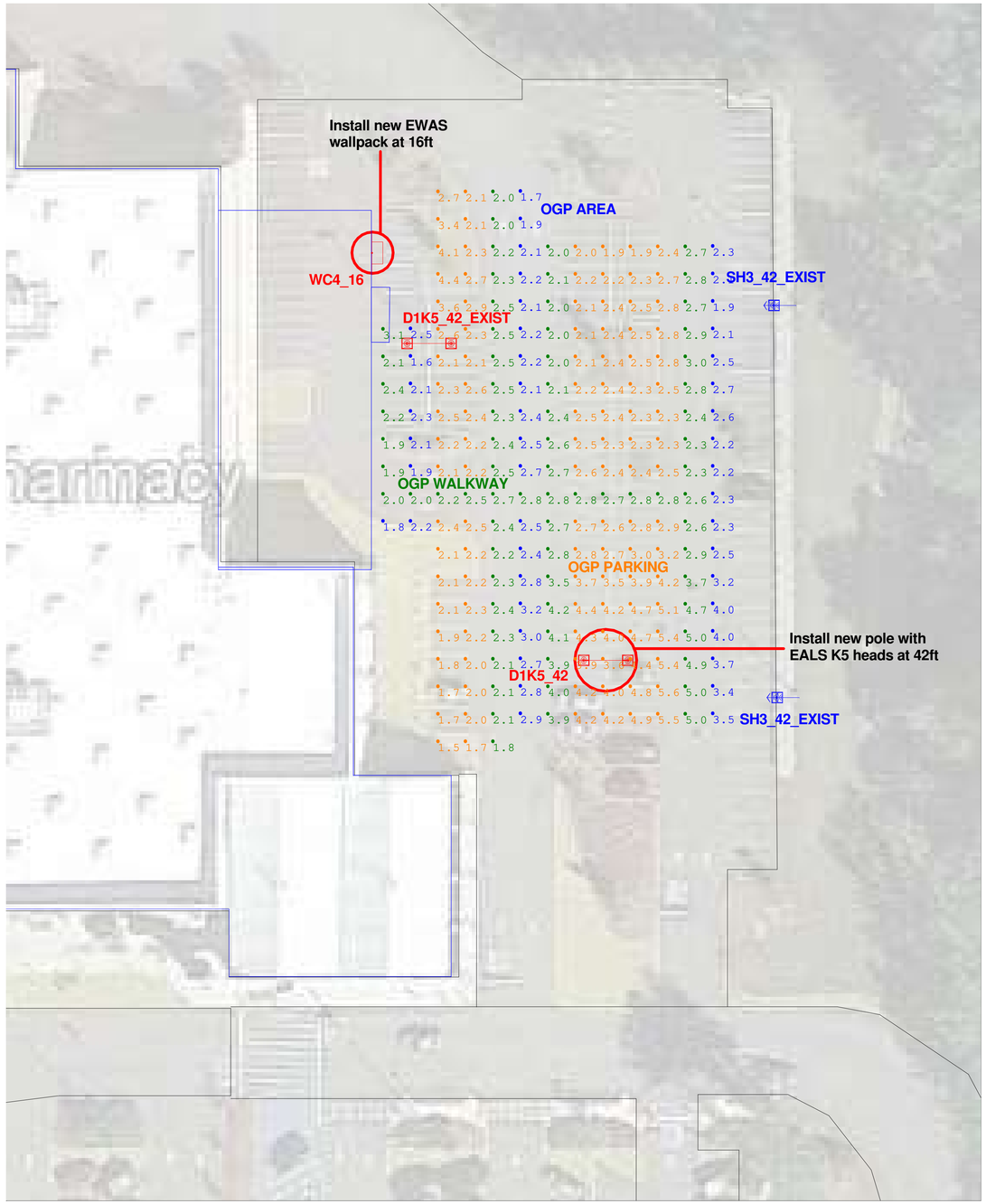
STATE OF CONNECTICUT
JEFFREY G. CHASE
29730414
REGISTERED
PROFESSIONAL ENGINEER

SUPERCENTER #5777-228
450 PROVIDENCE ROAD, TOWN OF BROOKLYN, CT

WAL-MART STORES, INC.
2001 SE 10TH STREET
BENTONVILLE, AR 72716

Walmart

DRAWN	BTJ/TJN
CHECKED	JJC/JGB
DATE	06/29/2023
SCALE	AS NOTED
JOB No.	MAA230031.00
SHEET	CSS-2



Scale: 1 inch= 25 Ft.

L93 = OPERATING HOURS AT WHICH AN AVERAGE OF 8% OF INITIAL LUMENS HAVE BEEN LOST IN A TESTED POPULATION OF LED PLATFORMS. THE POPULATION STILL EMITS 93% OF INITIAL LUMENS. THE LUMINAIRE HAS NOT FAILED. IT IS STILL OPERATING WITH A REDUCED LIGHT OUTPUT.

L95 = OPERATING HOURS AT WHICH AN AVERAGE OF 5% OF INITIAL LUMENS HAVE BEEN LOST IN A TESTED POPULATION OF LED PLATFORMS. THE POPULATION STILL EMITS 95% OF INITIAL LUMENS. THE LUMINAIRE HAS NOT FAILED. IT IS STILL OPERATING WITH A REDUCED LIGHT OUTPUT.

IN COMPARISON, NON-LED LUMINAIRES ARE RATED WITH MEAN LUMENS MEASURED AT 40-50% OF RATED LIFE, DEPENDING ON TECHNOLOGY, AND RATED LIFE OF B50, WHERE B50 = OPERATING HOURS AT WHICH 50% OF A TESTED POPULATION OF LAMPS HAVE FAILED.

PROPERTY LINES BASED OFF PROVIDED LIGHTING RETROFIT SURVEY AND GOOGLE EARTH PRO. CALCULATION AREAS TREATED AS OPEN AND EMPTY. NO TREES ARE CONSIDERED IN THE DESIGN, ACTUAL VALUES MAY VARY FROM CALCULATED VALUES SHOWN.
LED STATISTICS SHOWN ARE AT 50000 HOURS L93 & L95 RATING (~12 YEARS @ 12 HRS/DAY)

Notes:
This is a remodel request for the OGP area on a site that has already been retrofit to LED fixtures in 2018
Material with "exist" label is already installed on site and is included here as light contribution only
All other material is what is being added to increase the lighting in the OGP Pick up area per request

Calculation Summary Illuminance Foot-candles

Label	Avg	Max	Min	Avg/Min	Max/Min
OGP AREA	2.5	4.0	1.6	1.6	2.5
OGP PARKING	2.9	5.6	1.5	1.9	3.7
OGP WALKWAY	2.7	5.0	1.8	1.5	2.8
Property Line	0.0	0.2	0.0	N.A.	N.A.

Current Luminaire Schedule — **EXISTING MATERIAL**

Project: EXISTING MATERIAL

Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Arr. Lum. Lumens	BUG Rating	[MANUFAC]
	2	SH3_42_EXIST	SINGLE	0.855	1-EALP015H3AW750NDD1BLCKF 39ft pole on 3ft base	183	21300	B3-U0-G2	CURRENT LIGHTING
	1	D1K5_42_EXIST	BACK-BACK	0.855	2-EALP015K5SM750NDD1BLCKF 39ft pole on 3ft base	548	60000	B5-U0-G3	CURRENT LIGHTING

Current Luminaire Schedule — **ADDITIONAL MATERIAL**

Project: NEW MATERIAL

Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Arr. Lum. Lumens	BUG Rating	[MANUFAC]
	1	D1K5_42	D180	0.837	2-EALS035K5SM750NDD1BLCKF 39ft pole on 3ft base	478	60000	B5-U0-G3	CURRENT LIGHTING
	1	WC4_16	SINGLE	0.837	1-EWAS010C4AF740N1FMBLCK mounted at 16ft	56	7500	B1-U0-G2	CURRENT LIGHTING

THIS IS A D SIZE SHEET. THE NOTED SCALE IS NOT VALID IF PRINTED AS ANY OTHER SIZE.

Current

The magnitude of the differences between detailed analysis methods and field measurements varies. In general, differences of less than 20% can be expected, but in extreme cases, where a calculation method cannot handle the complexity of the lighting system, they may be greater. A more complete discussion of the uncertainties is available.

ANSI / IES LS-6-20
Lighting Science: Calculation of Light and its Effects

Provided for:

CURRENT

Provided BY:
Application Solution Center
apps@currentlighting.com

282526 Science Park Blvd.,
Beachwood, OH 44122

Designer: Hari

Date:7/13/2023

Drawing #: Walmart #5777 Brooklyn, CT OGP - A200700C-AGI

Walmart #5777 Brooklyn, CT OGP
A200700C

GE EVOLVE LED AREA LIGHT (EALP) 5000K CCT
MOUNTING HEIGHT: AS INDICATED
AT ADDITIONAL WALL MOUNT LOCATIONS
TARGET 15: OGP Parking
15 OGP Walkway
1.5 OGP Parking
+/- 10% is allowed and corners can be 0.7fc
MOUNTING HEIGHT: AS INDICATED ABOVE
HORIZONTAL POINTS AT GRADE, VERTICAL POINTS AT 5' AFG.
50,000 HOURS SHOWN

SHEET NOTES

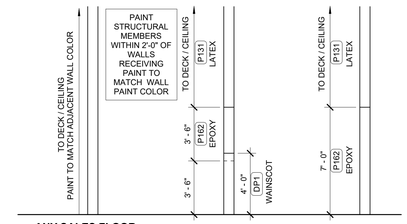
1. ENSURE ALL EXISTING WALL STANDARDS AND HALF GONDOLAS TO REMAIN ARE SECURE TO WALL.
2. RELOCATE AND/OR INSTALL PREFABRICATED CASH WRAP(S) FOR CHECKOUTS AND SERVICE COUNTERS
   - CAULK BASE TO FLOOR WHEN LOCATION IS FINALIZED
3. RELOCATION AND SETUP OF GONDOLAS AND/OR RACKING AS INDICATED ON FXS SHEETS WILL BE PERFORMED BY OTHERS
   - ANCHORING OF UPRIGHTS TO BE PERFORMED BY GENERAL CONTRACTOR
4. IF PRICE READERS, FIRE EXTINGUISHERS, PAPER TOWEL DISPENSERS, ETC ARE STRAPPED TO COLUMNS ON SALES FLOOR, REMOVE AND REINSTALL USING SCREWS, REF SHEET SA1 FOR BID ALLOWANCE

KEYNOTES

9.90	FLOOR STRIPES. REF N1 FOR STRIPING CONDITIONS.
10.44	PROVIDE TACTILE "EXIT" SIGN. REF N1.

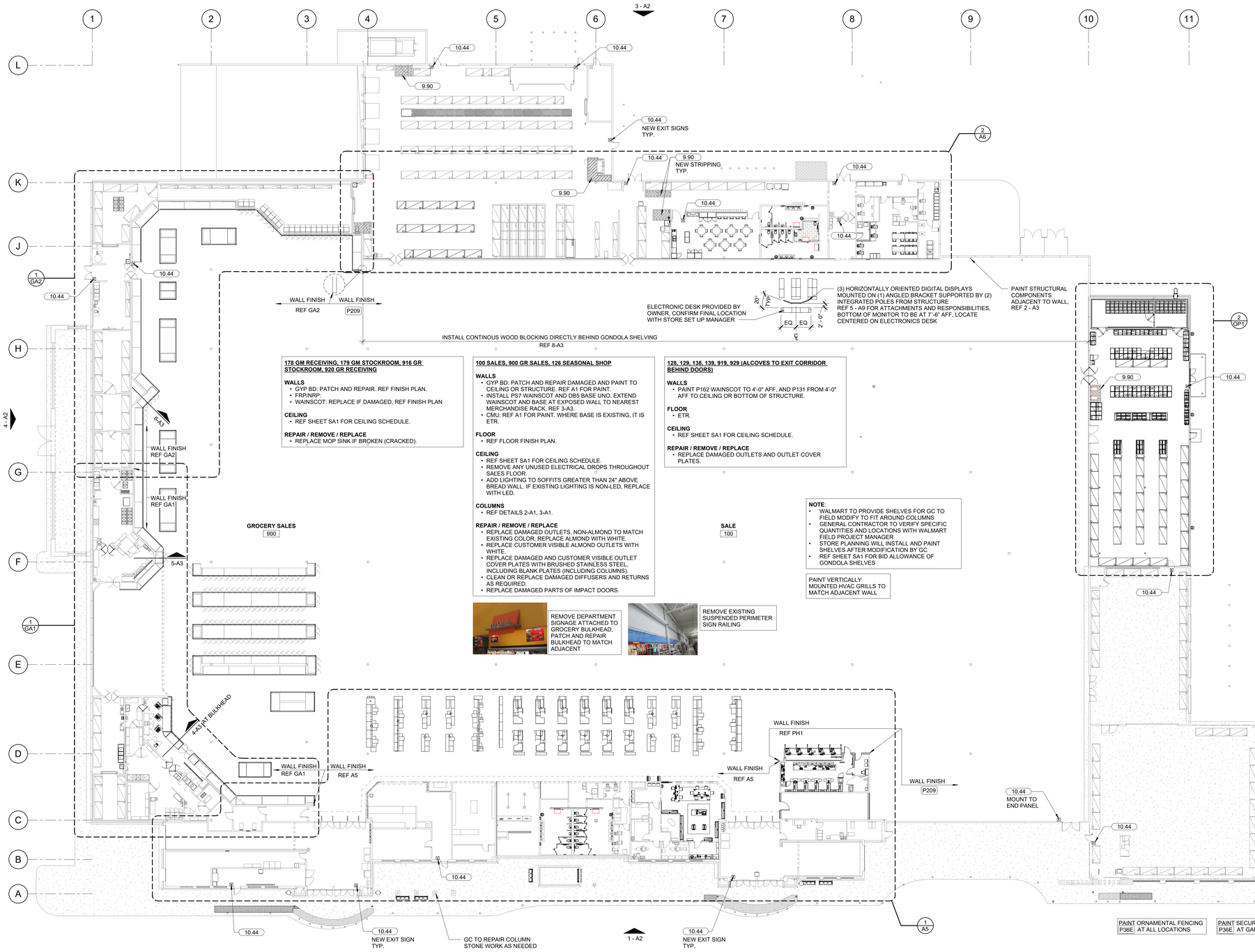
COLOR LEGEND

DP1	ALUMINUM DIAMOND (TREAD) PLATE
P131	WHITE FLOUR SW#7102
P162	PEPPERCORN SW#7674
P209	PASSIVE GRAY SW#7064



ANY SALES FLOOR COLUMN WHICH FALLS WITHIN 2'-0" OF A PERIMETER WALL | **NON PERIMETER SALES FLOOR COLUMNS** | **NON PERIMETER SALES FLOOR ROUND COLUMNS**

2 COLUMN COLORS
1/4" = 1'-0"



178 GM RECEIVING, 179 GM STOCKROOM, 916 GR STOCKROOM, 920 GR RECEIVING

WALLS
- GYP BD: PATCH AND REPAIR. REF FINISH PLAN.
- FRP/NRP:
- WAINSCOT: REPLACE IF DAMAGED, REF FINISH PLAN

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE.

REPAIR / REMOVE / REPLACE
- REPLACE MOP SINK IF BROKEN (CRACKED).

100 SALES, 900 GR SALES, 126 SEASONAL SHOP

WALLS
- GYP BD: PATCH AND REPAIR DAMAGED AND PAINT TO CEILING OR STRUCTURE. REF A1 FOR PAINT.
- INSTALL PS7 WAINSCOT AND DBS BASE UNO. EXTEND WAINSCOT AND BASE AT EXPOSED WALL TO NEAREST MERCHANDISE RACK. REF 3-A3.
- CMU: REF A1 FOR PAINT. WHERE BASE IS EXISTING, IT IS ETR.

FLOOR
- REF FLOOR FINISH PLAN.

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE.
- REMOVE ANY UNUSED ELECTRICAL DROPS THROUGHOUT SAES FLOOR.
- ADD LIGHTING TO SOFFITS GREATER THAN 24" ABOVE BREAD WALL. IF EXISTING LIGHTING IS NON-LED, REPLACE WITH LED.

COLUMNS
- REF DETAILS 2-A1, 3-A1.

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS. NON-ALMOND TO MATCH EXISTING COLOR, REPLACE ALMOND WITH WHITE.
- REPLACE CUSTOMER VISIBLE ALMOND OUTLETS WITH WHITE.
- REPLACE DAMAGED AND CUSTOMER VISIBLE OUTLET COVER PLATES WITH BRUSHED STAINLESS STEEL, INCLUDING BLANK PLATES (INCLUDING COLUMNS).
- CLEAN OR REPLACE DAMAGED DIFFUSERS AND RETURNS AS REQUIRED.
- REPLACE DAMAGED PARTS OF IMPACT DOORS.

128, 129, 138, 139, 919, 929 (ALCOVES TO EXIT CORRIDOR BEHIND DOORS)

WALLS
- PAINT P162 WAINSCOT TO 4'-0" AFF. AND P131 FROM 4'-0" AFF TO CEILING OR BOTTOM OF STRUCTURE.

FLOOR
- ETR.

CEILING
- REF SHEET SA1 FOR CEILING SCHEDULE.

REPAIR / REMOVE / REPLACE
- REPLACE DAMAGED OUTLETS AND OUTLET COVER PLATES.

REMOVE DEPARTMENT SIGNAGE ATTACHED TO GROCERY BULKHEAD, PATCH AND REPAIR BULKHEAD TO MATCH ADJACENT

REMOVE EXISTING SUSPENDED PERIMETER SIGN RAILING

NOTE:
- WALMART TO PROVIDE SHELVES FOR GC TO FIELD MODIFY TO FIT AROUND COLUMNS
- GENERAL CONTRACTOR TO VERIFY SPECIFIC QUANTITIES AND LOCATIONS WITH WALMART FIELD PROJECT MANAGER
- STORE PLANNING WILL INSTALL AND PAINT SHELVES AFTER MODIFICATION BY GC
- REF SHEET SA1 FOR BID ALLOWANCE OF GONDOLA SHELVES

PAINT VERTICALLY MOUNTED HVAC GRILLS TO MATCH ADJACENT WALL

1 FLOOR PLAN
1" = 20'-0"

Thomas P. McHugh RA, AIA, NCARB, LEED AP
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MMA
MASSARI MCHUGH ARCHITECTURE PC.
3297 Route 66, Neptune, NJ 07753
t.732.918.2300 f.732.898.7848

CONSULTANTS

Walmart
BROOKLYN, CT
450 PROVIDENCE ROAD
STORE NO: 5777-228
JOB NUMBER: 194-23-005 PROTO 150

ISSUE BLOCK

CHECKED BY: MMA
DRAWN BY: HL
PROTO CYCLE: 04/28/23
DOCUMENT DATE: 07/07/23

NOT FOR CONSTRUCTION

FLOOR PLAN

SHEET: A1

7/7/2023 1:27:36 PM
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SITE PLAN

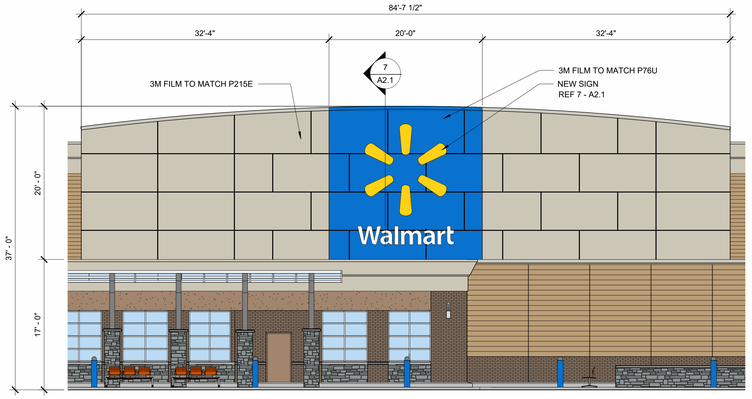
MONUMENT SIGNAGE: REFACE

COLOR LEGEND

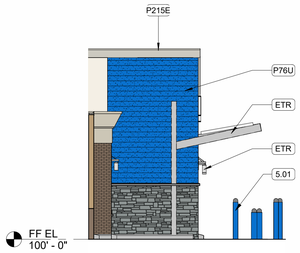
P#	COLOR NAME
P49E	DARK GRAY
P76U	WALMART BLUE (URETHANE-LIKE)
P215E	LIGHT TAN
P124E	MEDIUM BROWN
P217E	DARK BRONZE
HRC41	HEAT RESISTANT COATING TO MATCH DARK GRAY

DISCLOSURES

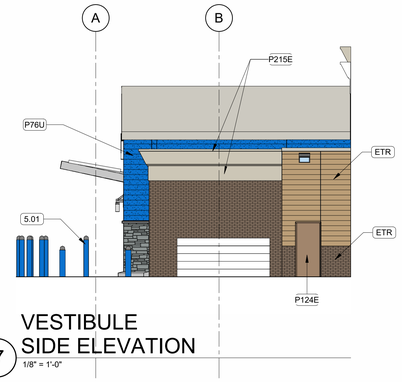
- PAINT RESTRICTIONS: COLOR CHANGE WILL NEED MODIFIED SPECIAL PERMIT □
- ALLOWED SIGNAGE SF: □ 505.37 SF
- EXISTING SIGNAGE SF: 505.37 SF
- PROPOSED SIGNAGE SF: 361.85 SF
- VARIANCE / PROCESS:
  - DIRECTIONAL SIGNAGE REQUIRED TO BE LESS THAN 2 SF PER DIRECTIOINAL SIGN.
  - NO HEIGHT RESTRICTION
  - ONCE THE APPLICATION ARRIVES, 30 DAYS LATER IT WOULD GO FOR PUBLIC HEARING AS LONG AS ALL PAPER WORK IS IN ORDER. THERE IS A 15 DAYS APPEALS PERIOD. MEETINGS ARE HELD TWICE A MONTH. ATTORNEY IS NOT REQUIRED AT PUBLIC HEARING AND HEARING ARE HELD IN PERSON AND CAN BE DONE VIRTUALLY.
  - 1 SQ FT PER LF OF FACADE FOR SIGNS.
  - SPECIAL PERMITS FOR SIGNS (ZONING PERMIT CAN BE DONE WITH 4 WEEKS)
  - BLUE BACKGROUND OF BOLTED SIGN IS PART OF THE OVERALL SQUARE SIGNAGE.
  - SIGNS CAN NOT GO ABOVE PARAPET OR ROOFLINE.
  - RTU UNIT ENCLOSURES ARE NOT REQUIRED AS LONG AS THEY DO NOT REACH THE EDGE OF THE WESTERN FACADE OF THE BUILDING.



5 ENLARGED ELEVATION
1/8" = 1'-0"



6 VESTIBULE SIDE ELEVATION
1/8" = 1'-0"



7 VESTIBULE SIDE ELEVATION
1/8" = 1'-0"

DEMOLITION NOTES

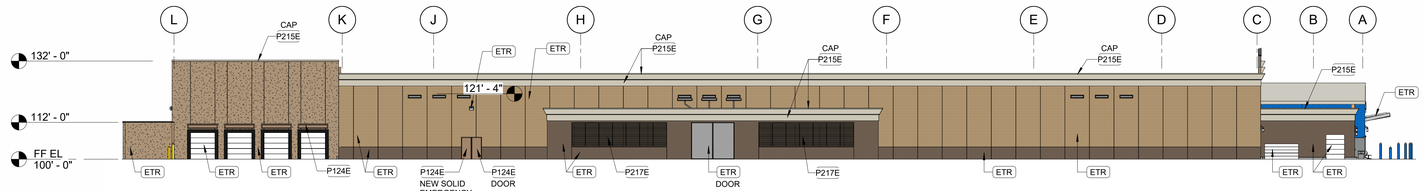
1. REMOVE EXTERIOR TENANT SIGNS
   a. COORDINATE REMOVAL WITH WALMART CM AND TENANT PRIOR TO BEGINNING WORK
   b. DELIVER REMOVED TENANT SIGNS TO TENANT
2. REMOVAL OF BUILDING MOUNTED ITEMS, SHOWN OR NOTED TO BE DEMOLISHED OR AS REQUIRED BY SCOPE OF WORK, SHALL OCCUR PRIOR TO PAINTING BUILDING
   a. COORDINATE DEMOLITION WORK SO EXTERIOR PAINTING WILL OCCUR PRIOR TO INSTALLATION OF BUILDING MOUNTED ITEMS

SHEET NOTES

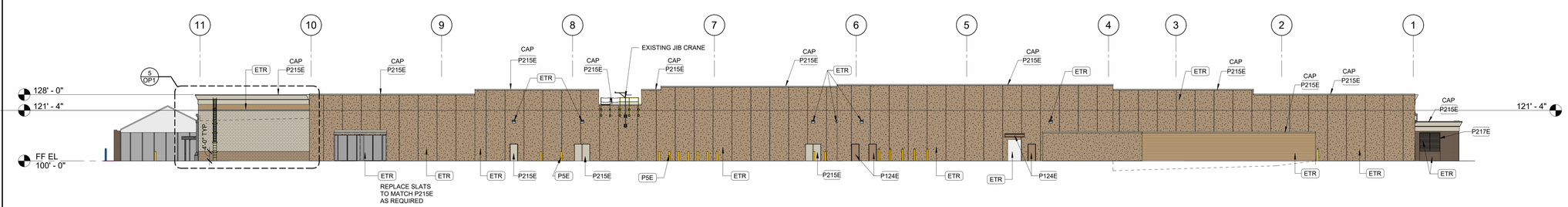
1. PATCH AND REPAIR EXTERIOR WALL SURFACES, DAMAGED OR EXPOSED DUE TO REMOVAL OF BUILDING MOUNTED ITEMS, TO MATCH ADJACENT AS REQUIRED
2. REFER TO DETAILS ON SHEET A2.1 FOR SUBSTRATE AND FINISH REQUIREMENTS AT LOCATIONS OF BUILDING MOUNTED SIGNS
3. RESURFACE EXISTING EIFS WHERE SHOWN (HATCHED AREA)
4. AT WALL(S) WITH LIT ID/LOGO SIGN(S) MASK AND PAINT AROUND SIGN CHARACTERS
5. PRIOR TO PAINTING WALL AT LOCATION(S) OF LIT ID/LOGO SIGN(S), COORDINATE SCOPE OF WORK WITH WALMART CM
6. IF PAINTING ADJACENT WALLS PAINT FRAMES, AND DOWNSPOUTS, EXPOSED METAL FLASHING, HANDRAILS, AND EXPOSED MISCELLANEOUS STEEL TO MATCH PRIMARY ADJACENT BUILDING COLOR UNO
7. PAINT ANY ROOFTOP GAS PIPING P5E
   a. WHERE EXTERIOR WALL IS BEING PAINTED, GAS PIPE ALONG SIDE WALL TO GRADE SHALL MATCH ADJACENT BUILDING
   b. DO NOT PAINT METER OR VALVES
8. IF PAINTING ADJACENT WALLS PAINT CANOPY STRUCTURAL STEEL AND FLASHING TO MATCH ADJACENT WALL, UNO
9. WHERE CANOPIES ARE VISIBLE TO AND ACCESSED BY CUSTOMERS, PAINT UNDERSIDE OF CANOPY DECK P33E DO NOT PAINT CANOPY DECK IF NOT PREVIOUSLY PAINTED
10. INSTALL BLUE BOLLARD SLEEVE AT ALL ENTRANCE BOLLARDS. PAINT ALL SAFETY BOLLARDS P5E. PAINT ALL OTHER PAINTED/DECORATIVE BOLLARDS P76U.
11. PAINT SECURITY WALL PACK HOUSINGS TO MATCH ADJACENT WALL, REMOVE PAINT OVERSPRAY FROM LENSES
12. DO NOT PAINT LED WALL PACK HOUSINGS
13. PAINT GARDEN CENTER FENCE STEEL DOORS AND FRAMES P36E
14. PAINT STEEL DOORS AND FRAMES TO MATCH ADJACENT BUILDING WALL, IF THERE ARE TWO COLORS AT ADJACENT WALL, USE BOTTOM COLOR FOR ENTIRE DOOR AND FRAME
15. DO NOT PAINT QUIK-BRIK, STONE VENEER, FACE BRICK, UNPAINTED TILT-WALL OR PRECAST PANELS
16. AT MASONRY LOCATIONS WHERE SIGNS ARE BEING REPLACED, REMOVE AND PAINT AREA BEHIND SIGN TO MATCH EXISTING COLOR. REF SPEC 09900.
17. PAINT JIB CRANE P36E ON JIB BOOM, P5E ON HANDRAILS.
18. PAINT SPRINKLER VALVES P21E
    a. DO NOT PAINT OVER SIGHT GLASS OR FIRE ALARM BELL

COLOR LEGEND

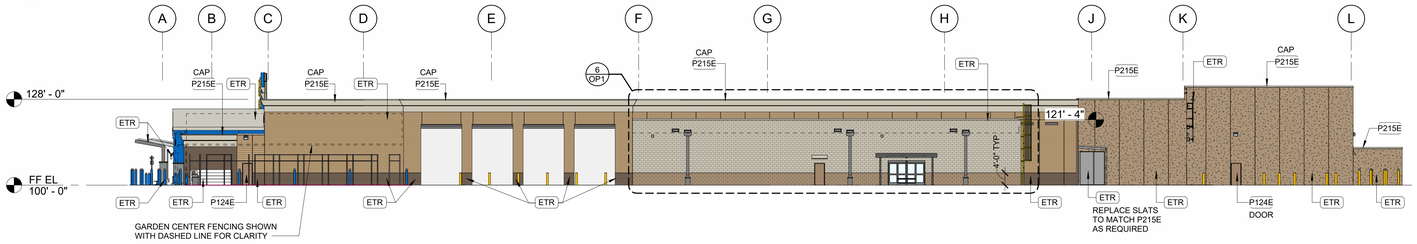
ETR	EXISTING TO REMAIN
P5E	SAFETY YELLOW
P21E	SAFETY RED
P33E	CREAM
P36E	BLACK
P76U	WALMART BLUE (URETHANE-LIKE)
P124E	LIGHT BROWN
P215E	LIGHT TAN
P217E	DARK BRONZE



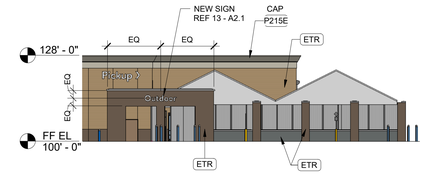
4 LEFT ELEVATION
1" = 20'-0"



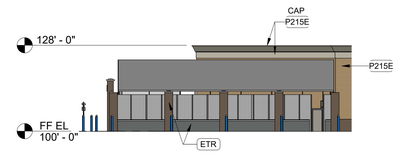
3 REAR ELEVATION
1" = 20'-0"



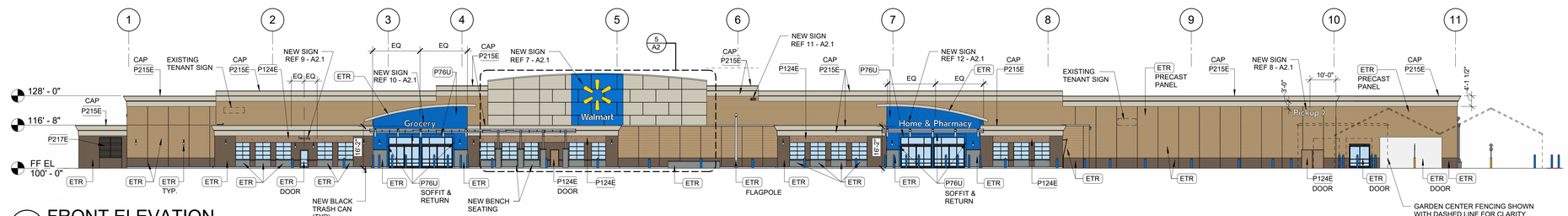
2 RIGHT ELEVATION
1" = 20'-0"



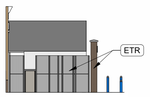
9 GARDEN CENTER FRONT ELEVATION
1" = 20'-0"



10 GARDEN CENTER RIGHT ELEVATION
1" = 20'-0"



1 FRONT ELEVATION
1" = 20'-0"



8 GARDEN CENTER SIDE ELEVATION
1" = 20'-0"

Thomas P. McHugh RA, AIA, NCARB, LEED AP
NY License No: 021187
MMA
MASSE MILTENBERGER ARCHITECTURE PC.
3297 Route 66, Neptune, NJ 07753
t.732.918.2300 f.732.898.7848

STIPULATION FOR REUSE

CONSULTANTS

Walmart
BROOKLYN, CT
450 PROVIDENCE ROAD
STORE NO: 5777-228
JOB NUMBER: 194-23-005 PROTO 150

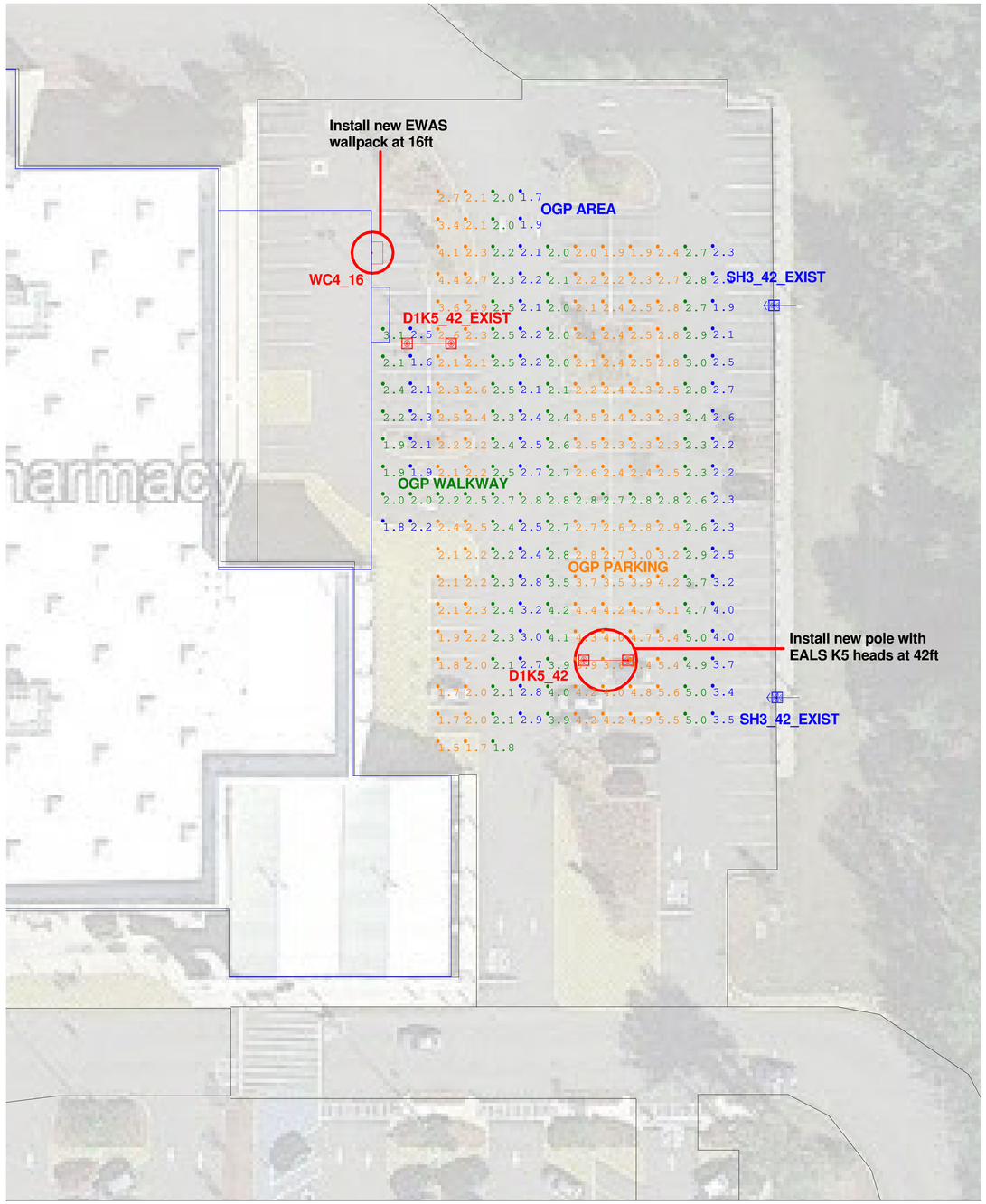
ISSUE BLOCK

CHECKED BY:	MMA
DRAWN BY:	HL
PROTO CYCLE:	04/28/23
DOCUMENT DATE:	07/07/23

NOT FOR CONSTRUCTION

EXTERIOR ELEVATIONS

SHEET: A2



Scale: 1 inch= 25 Ft.

L93 = OPERATING HOURS AT WHICH AN AVERAGE OF 8% OF INITIAL LUMENS HAVE BEEN LOST IN A TESTED POPULATION OF LED PLATFORMS. THE POPULATION STILL EMITS 93% OF INITIAL LUMENS. THE LUMINAIRE HAS NOT FAILED. IT IS STILL OPERATING WITH A REDUCED LIGHT OUTPUT.

L95 = OPERATING HOURS AT WHICH AN AVERAGE OF 5% OF INITIAL LUMENS HAVE BEEN LOST IN A TESTED POPULATION OF LED PLATFORMS. THE POPULATION STILL EMITS 95% OF INITIAL LUMENS. THE LUMINAIRE HAS NOT FAILED. IT IS STILL OPERATING WITH A REDUCED LIGHT OUTPUT.

IN COMPARISON, NON-LED LUMINAIRES ARE RATED WITH MEAN LUMENS MEASURED AT 40-50% OF RATED LIFE, DEPENDING ON TECHNOLOGY, AND RATED LIFE OF B50, WHERE B50 = OPERATING HOURS AT WHICH 50% OF A TESTED POPULATION OF LAMPS HAVE FAILED.

PROPERTY LINES BASED OFF PROVIDED LIGHTING RETROFIT SURVEY AND GOOGLE EARTH PRO. CALCULATION AREAS TREATED AS OPEN AND EMPTY. NO TREES ARE CONSIDERED IN THE DESIGN, ACTUAL VALUES MAY VARY FROM CALCULATED VALUES SHOWN.
LED STATISTICS SHOWN ARE AT 50000 HOURS L93 & L95 RATING (~12 YEARS @ 12 HRS/DAY)

Notes:
This is a remodel request for the OGP area on a site that has already been retrofit to LED fixtures in 2018
Material with "exist" label is already installed on site and is included here as light contribution only
All other material is what is being added to increase the lighting in the OGP Pick up area per request

Calculation Summary Illuminance Foot-candles

Label	Avg	Max	Min	Avg/Min	Max/Min
OGP AREA	2.5	4.0	1.6	1.6	2.5
OGP PARKING	2.9	5.6	1.5	1.9	3.7
OGP WALKWAY	2.7	5.0	1.8	1.5	2.8
Property Line	0.0	0.2	0.0	N.A.	N.A.

Current Luminaire Schedule — **EXISTING MATERIAL**

Project: EXISTING MATERIAL

Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Arr. Lum. Lumens	BUG Rating	[MANUFAC]
	2	SH3_42_EXIST	SINGLE	0.855	1-EALP015H3AW750NDD1BLCKF 39ft pole on 3ft base	183	21300	B3-U0-G2	CURRENT LIGHTING
	1	D1K5_42_EXIST	BACK-BACK	0.855	2-EALP015K5SM750NDD1BLCKF 39ft pole on 3ft base	548	60000	B5-U0-G3	CURRENT LIGHTING

Current Luminaire Schedule — **ADDITIONAL MATERIAL**

Project: NEW MATERIAL

Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Arr. Lum. Lumens	BUG Rating	[MANUFAC]
	1	D1K5_42	D180	0.837	2-EALS035K5SM750NDD1BLCKF 39ft pole on 3ft base	478	60000	B5-U0-G3	CURRENT LIGHTING
	1	WC4_16	SINGLE	0.837	1-EWAS010C4AF740N1FMBLCK mounted at 16ft	56	7500	B1-U0-G2	CURRENT LIGHTING

THIS IS A D SIZE SHEET. THE NOTED SCALE IS NOT VALID IF PRINTED AS ANY OTHER SIZE.

Current

The magnitude of the differences between detailed analysis methods and field measurements varies. In general, differences of less than 20% can be expected, but in extreme cases, where a calculation method cannot handle the complexity of the lighting system, they may be greater. A more complete discussion of the uncertainties is available.

ANSI / IES LS-6-20
Lighting Science: Calculation of Light and its Effects

Provided for:

CURRENT

Provided BY:
Application Solution Center
apps@currentlighting.com

282526 Science Park Blvd.,
Beachwood, OH 44122

Designer: Hari

Date:7/13/2023

Drawing #: Walmart #5777 Brooklyn, CT OGP - A200700C-AGI

Walmart #5777 Brooklyn, CT OGP
A200700C

GE EVOLVE LED AREA LIGHT (EALP) 5000K CCT
MOUNTING HEIGHT: AS INDICATED
AT ADDITIONAL WALL MOUNT LOCATIONS
TARGET 1fc OGP Parking
1.5 OGP Walkway
1fc OGP Pickup
+/- 10% is allowed and corners can be 0.7fc
HORIZONTAL @ GRADE; VERTICAL @ 5'AFG
HORIZONTAL POINTS AT GRADE; VERTICAL POINTS AT 5' AFG.
50,000 HOURS SHOWN

PLANNING AND ZONING COMMISSION
TOWN OF BROOKLYN
CONECTICUT

RECEIVED

Received Date JUL 3 1 2023
Action Date_____

Application #SP 23-004
Check# 1002

APPLICATION FOR SPECIAL PERMIT

Name of Applicant Stokes Supply CT LLC Phone_____
Mailing Address 633 Washington St, Coventry RI Phone 401-822-2212

Name of Owner_____ Phone_____
Mailing Address_____ Phone_____

Name of Engineer/Surveyor Archer Surveying LLC
Address 18 Providence RD Brooklyn CT
Contact Person Paul Archer Phone 779-2240 Fax_____

Property location/address 564 Providence RD - Route 6
Map # 41 Lot # 17 Zone PC Total Acres 9.17

Proposed Activity - Proposed Ace Hardware Store w/outside Display & Propane Filling Station

Change of Use: Yes ✓ No ___ If Yes, Previous Use_____
Area of Proposed Structure(s) or Expansion _____

Utilities - Septic: On Site_____ Municipal ✓ Existing_____ Proposed_____
Water: Private_____ Public ✓ Existing_____ Proposed_____

Compliance with Article 4, Site Plan Requirements

The following shall accompany the application when required:

Fee$_____ **State Fee ($60.00)** _____ 3 copies of plans_____ Sanitary Report_____
4.5.5 Application/ Report of Decision from the Inland Wetlands Commission
4.5.5 Applications filed with other Agencies
12.1 Erosion and Sediment Control Plans
See also Site Plan Review Worksheet

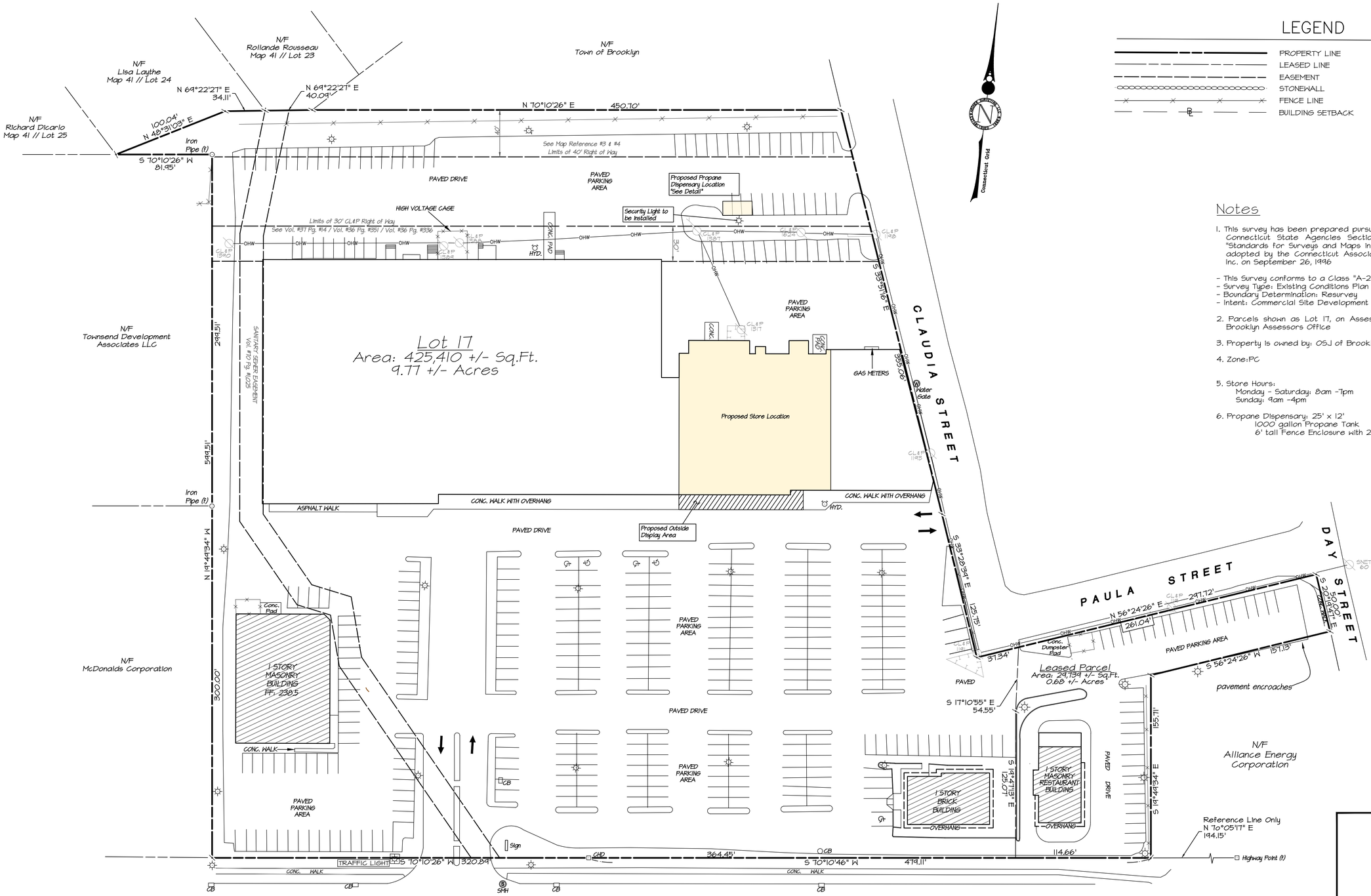
Variances obtained_____ Date_____

The owner and applicant hereby grant the Brooklyn Planning and Zoning Commission, the Board of Selectman, Authorized Agents of the Planning and Zoning Commission or Board of Selectman, permission to enter the property to which the application is requested for the purpose of inspection and enforcement of the Zoning regulations and the Subdivision regulations of the Town of Brooklyn

• Applicant: _____ Date 7-31-23

• Owner: _____ Date 7-31-23

* Note: Any consulting fees will be paid by the applicant



LEGEND

- PROPERTY LINE
- LEASED LINE
- EASEMENT
- STONEWALL
- FENCE LINE
- BUILDING SETBACK
- IRON PIN FOUND
- DRILL HOLE FOUND
- MONUMENT FOUND
- PROPERTY POINT
- LIGHT STANDARD
- FIRE HYDRANT
- CL&P 1645 — UTILITY POLE

Notes

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Associations of Land Surveyors, Inc. on September 26, 1996

- This Survey conforms to a Class "A-2" Horizontal Accuracy
- Survey Type: Existing Conditions Plan
- Boundary Determination: Resurvey
- Intent: Commercial Site Development

2. Parcels shown as Lot 17, on Assessors Tax Map 41 of the Brooklyn Assessors Office

3. Property is owned by: OSJ of Brooklyn LLC

4. Zone:PC

5. Store Hours:
   Monday - Saturday: 8am -7pm
   Sunday: 9am -4pm

6. Propane Dispensary: 25' x 12'
   1000 gallon Propane Tank
   6' tall Fence Enclosure with 2 gates on Concrete Pad

Map References

1. Boundary Survey Prepared for OSJ of Brooklyn, 504 Providence Road, Brooklyn, Connecticut, Date: December 2019, Prepared by Archer Surveying LLC

To my knowledge and belief, this map is substantially correct as noted hereon.

7/31/2023

Paul M. Archer, Conn. L.S. #70013

No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

Archer Surveying LLC
18 Providence Road, Brooklyn

7/31/2023

DAVID A. SMITH, P.E. #14173 DATE

NOT VALID UNLESS SEAL IS AFFIXED HERETO

REVISIONS	
DATE	DESCRIPTION

Site Development Plan

Prepared For:
Sholes Ace Hardware & Supply
564 Providence Road (Route 6)
Brooklyn, Connecticut

DRAWING SCALE: 1"=40'

0 20 40 80

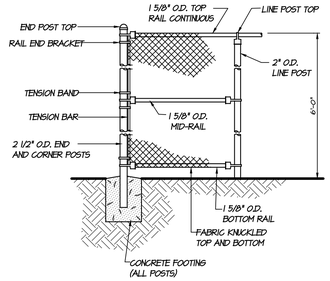
ARCHER Surveying LLC
18 Providence Road, Brooklyn, CT
(860) 779-2240 / (860) 928-1921

KWP associates
SURVEYING - ENGINEERING - SITE PLANNING

LOUIS J. SOJA, JR.
LAND SURVEYING-LAND PLANNING

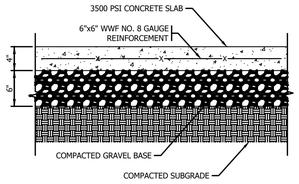
Sheet No.	Project No.	Date:
1 OF 2	2272	July 27, 2023

ARCHER Surveying LLC



CHAIN LINK FENCE DETAIL

NOT TO SCALE



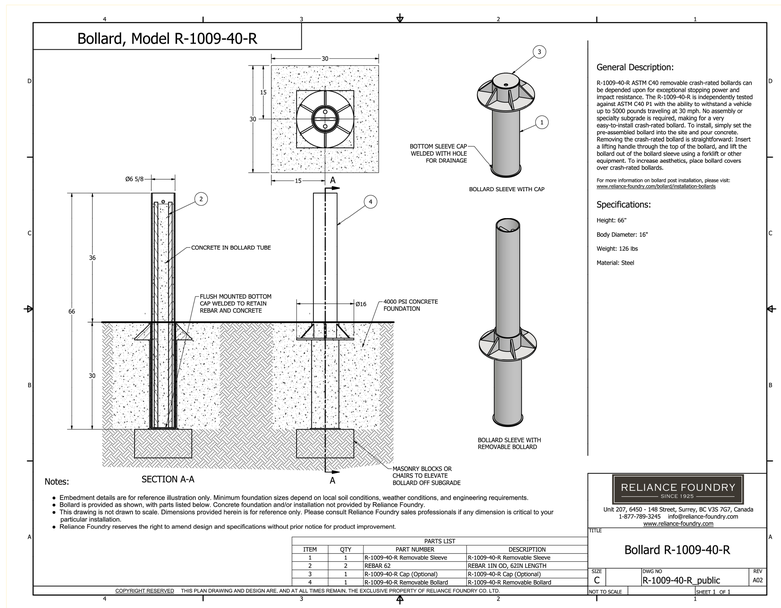
CROSS SECTION VIEW

NOTES:

1. 1/2" PREFORMED EXPANSION JOINTS SHALL BE INSTALLED EVERY 20 LINEAR FEET AND 1/4" TOOLED JOINTS EVERY 5 LINEAR FEET.
2. CROSS SLOPE OF WALK SURFACE SHALL BE 1/4" PER FOOT MAXIMUM.
3. PROVIDE BROOM FINISH ON SIDEWALKS.

CONCRETE PAD DETAIL

NOT TO SCALE



Notes:

- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard is provided as shown, with parts listed below. Concrete foundation and/or installation not provided by Reliance Foundry.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	R-1009-40-R Removable Sleeve	R-1009-40-R Removable Sleeve
2	2	REBAR 62	REBAR 1IN OD, 62IN LENGTH
3	1	R-1009-40-R Cap (Optional)	R-1009-40-R Cap (Optional)
4	1	R-1009-40-R Removable Bollard	R-1009-40-R Removable Bollard

General Description:

R-1009-40-R ASTM C40 removable crash-rated bollards can be depended upon for exceptional stopping power and impact resistance. The R-1009-40-R is independently tested against ASTM C40 P1 with the ability to withstand a vehicle up to 5000 pounds traveling at 30 mph. No assembly or specialty subgrade is required, making for a very easy-to-install crash-rated bollard. To install, simply set the pre-assembled bollard into the site and pour concrete. Removing the crash-rated bollard is straightforward: Insert a lifting handle through the top of the bollard, and lift the bollard out of the bollard sleeve using a forklift or other equipment. To increase aesthetics, place bollard covers over crash-rated bollards.

For more information on bollard post installation, please visit: www.reliance-foundry.com/bollard/installation-bollards

Specifications:

Height: 66"

Body Diameter: 16"

Weight: 126 lbs

Material: Steel

RELIANCE FOUNDRY
SINCE 1909
Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada
1-877-789-3245 info@reliance-foundry.com
www.reliance-foundry.com

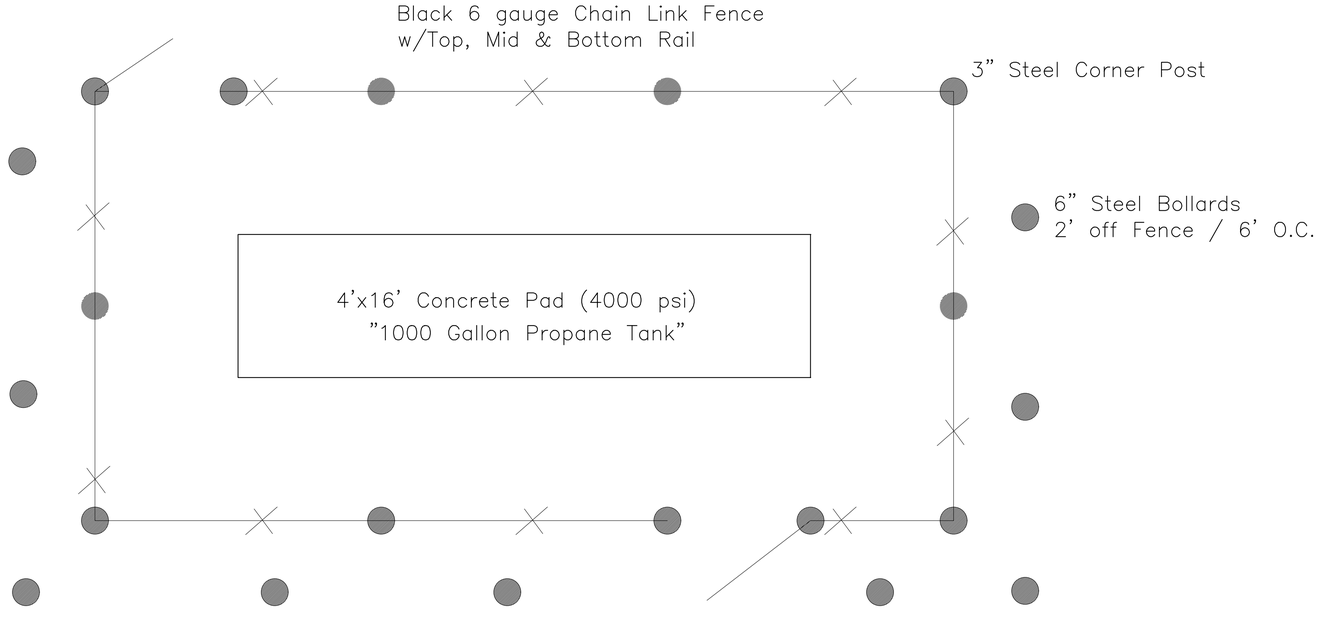
TITLE: Bollard R-1009-40-R

SIZE	DWG NO	REV
C	R-1009-40-R_public	A02

NOT TO SCALE SHEET 1 OF 1

PROPANE DISPENSARY DETAIL

NOT TO SCALE



REVISIONS	
DATE	DESCRIPTION

Detail Sheet

Prepared For:
Sholes Ace Hardware & Supply
564 Providence Road (Route 6)
Brooklyn, Connecticut

ARCHER Surveying LLC
18 Providence Road, Brooklyn, CT
(860) 779-2240 / (860) 928-1921
KWP & associates
SURVEYING - ENGINEERING - SITE PLANNING
LOUIS J. SOJA, JR.
LAND SURVEYING-LAND PLANNING

Sheet No.	Project No.	Date:
2 OF 2	2272	July 27, 2023

ARCHER Surveying LLC

PLANNING AND ZONING COMMISSION

REQUEST FOR CHANGE
IN
ZONING BOUNDARY

RECEIVED
AUG 14 2023

Date 8-14-23

FEE $ 250.00
State Fee $ 60.00

Application # ZC 23-003

Check # 3198

Public Hearing Date_____ Commission Action_____
Effective Date_____

Name of Applicant Jeff Weaver Phone 450 9432

Mailing Address P.O. Box 9 - Brooklyn

Applicants Interest in the Property Owner

Property Owner Jeff Weaver Phone 450-9432

Mailing Address P.O. Box 9 - Brooklyn

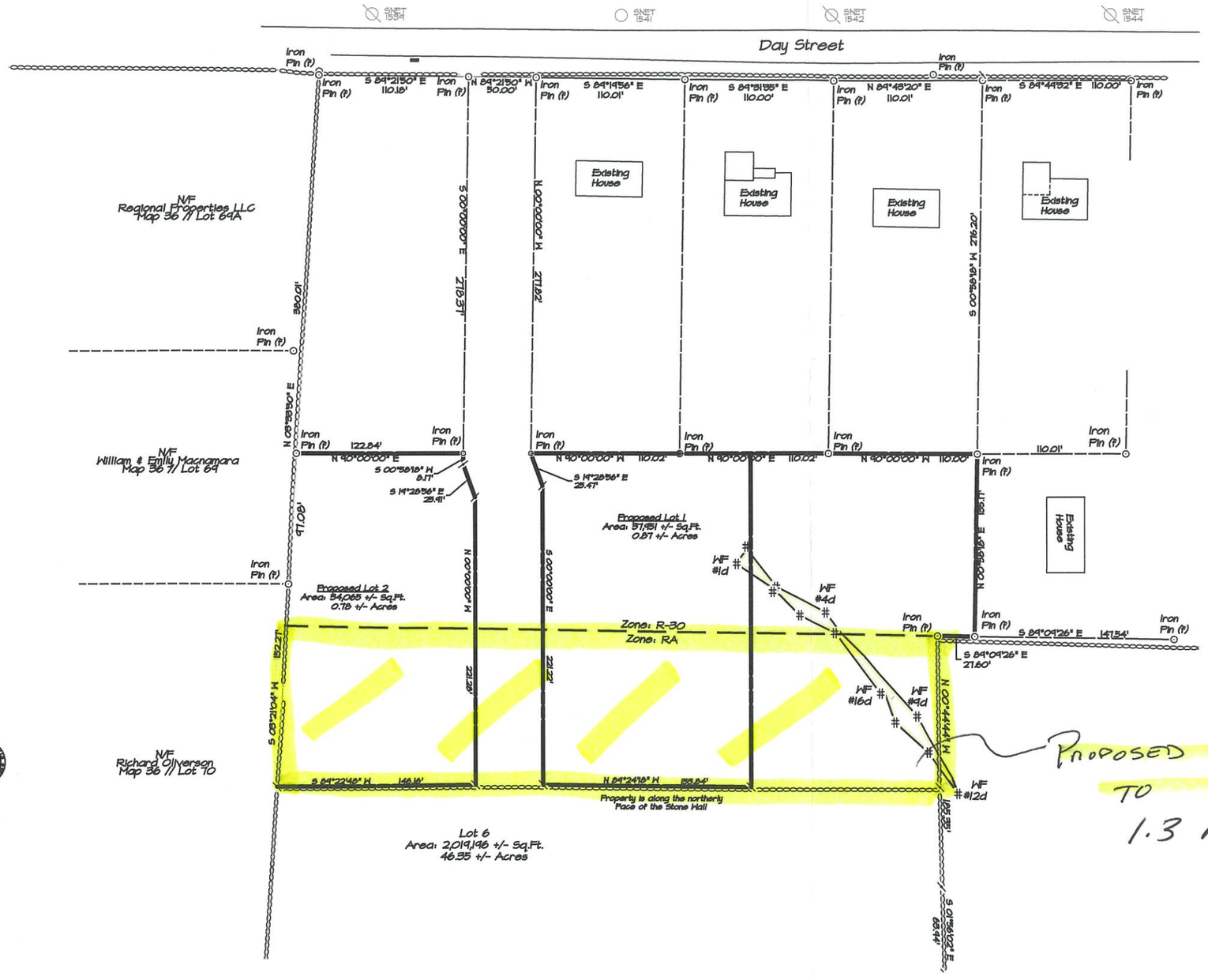
MAP 43 LOT 6 LOT SIZE 52± Ac
MAP _____ LOT _____ LOT SIZE _____
MAP _____ LOT _____ LOT SIZE _____
More lots , repeat above on separate sheet

ZONE: R10___ R30 ✓ RA ✓ VCD___ NC___ RB___ PC___ I___

REQUEST CHANGE: FROM RA TO R30
REQUEST CHANGE: FROM _____ TO _____
REQUEST CHANGE: FROM _____ TO _____
More changes , repeat above on separate sheet

REASON FOR REQUEST: Property Being Subdivided is in Dual Zones - Want to Put 1.3 Ac of RA into R-30

Note: A petition may be filed at the Hearing by 20% or more of the area lots included in such a change within 500 ft of the property under Section 16.5 of the Zoning Regulations



Notes

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996
   - This Survey conforms to a Class "A-2" Horizontal Accuracy
     Class "T-2" Vertical Accuracy
   - Survey Type: Subdivision Plan
   - Boundary Determination: Reservey on Existing Boundary
     Original on Proposed Boundary
   - Intent: 4 Lot Subdivision
2. Total Lot Area = 49.48 Acres
   Total Area of Subdivision = 2.52 Acres
3. Zone = R-30 / RA
4. Owner / Applicant = Jeffrey Weaver
   P.O. Box 9, Brooklyn, CT 06234
5. Parcel is shown as Lot #6 on Assessor's Map #48
6. This Subdivision does include land areas within the Federal Emergency Management Agency's 100 year flood hazard area
7. Wetlands shown were flagged in the field by Joseph Theroux, Certified Soil Scientist in April 2018 and field located by Archer Surveying LLC
8. There are not known endangered species or species of special concern on the subject property nor within 2 miles of the subject property per the December 2006 Natural Diversity Data Base Mapping
9. Parcel does not lie within an aquifer protection area
10. The Subdivision Regulations of the Town of Brooklyn are a part of this plan. Approval of this plan is contingent on completion of the requirements of said regulations, excepting any variances or modifications are on file in the office of the commission.
11. North orientation, bearings and coordinate values shown are based on North American Datum of 1983 (NAD83)
12. Passive Solar Energy techniques were considered in the design of the subdivision

MAP REFERENCE:

1. Division of Property - First Time Split, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: June 2018, Scale: 1"=100', Prepared by Archer Surveying LLC
2. 10 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: May 2018, Scale: 1"=60', Prepared by Archer Surveying LLC
3. 6 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: February 2020, Scale: 1"=50', Prepared by Archer Surveying LLC
4. 4 Lot Subdivision, Prepared for Jeff Weaver, Day Street, Brooklyn, Connecticut, Date: July 2021, Scale: 1"=50', Prepared by Archer Surveying LLC

RECEIVED
AUG 14 2023

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- EXISTING EASEMENT LINE
- ZONE LINE
- STONEWALL
- STONEWALL REMAINS
- UTILITY POLE
- 100 YEAR FLOOD LIMIT
- EXISTING INDEX CONTOUR
- EXISTING CONTOUR
- WETLANDS FLAG
- BUILDING SETBACK
- IRON PIN FOUND
- PROPERTY POINT

To My Knowledge and Belief this Map is substantially Correct as noted hereon.

Paul M. Archer LLS #10013 Date

No Certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

REVISIONS	

Subdivision Plan
"2 Lot Subdivision"

Prepared For:
Jeffrey Weaver
Day Street
Brooklyn, Connecticut

DRAWING SCALE: 1"=40' (0 20 40 80)

ARCHER Surveying LLC
18 Providence Road, Brooklyn, CT
(860) 779-2240 / (860) 928-1921
LOUIS J. SOJA, JR.

Sheet No.	Project No.	Date:
3 of 6	2212	May 1, 2023

ARCHER Surveying LLC