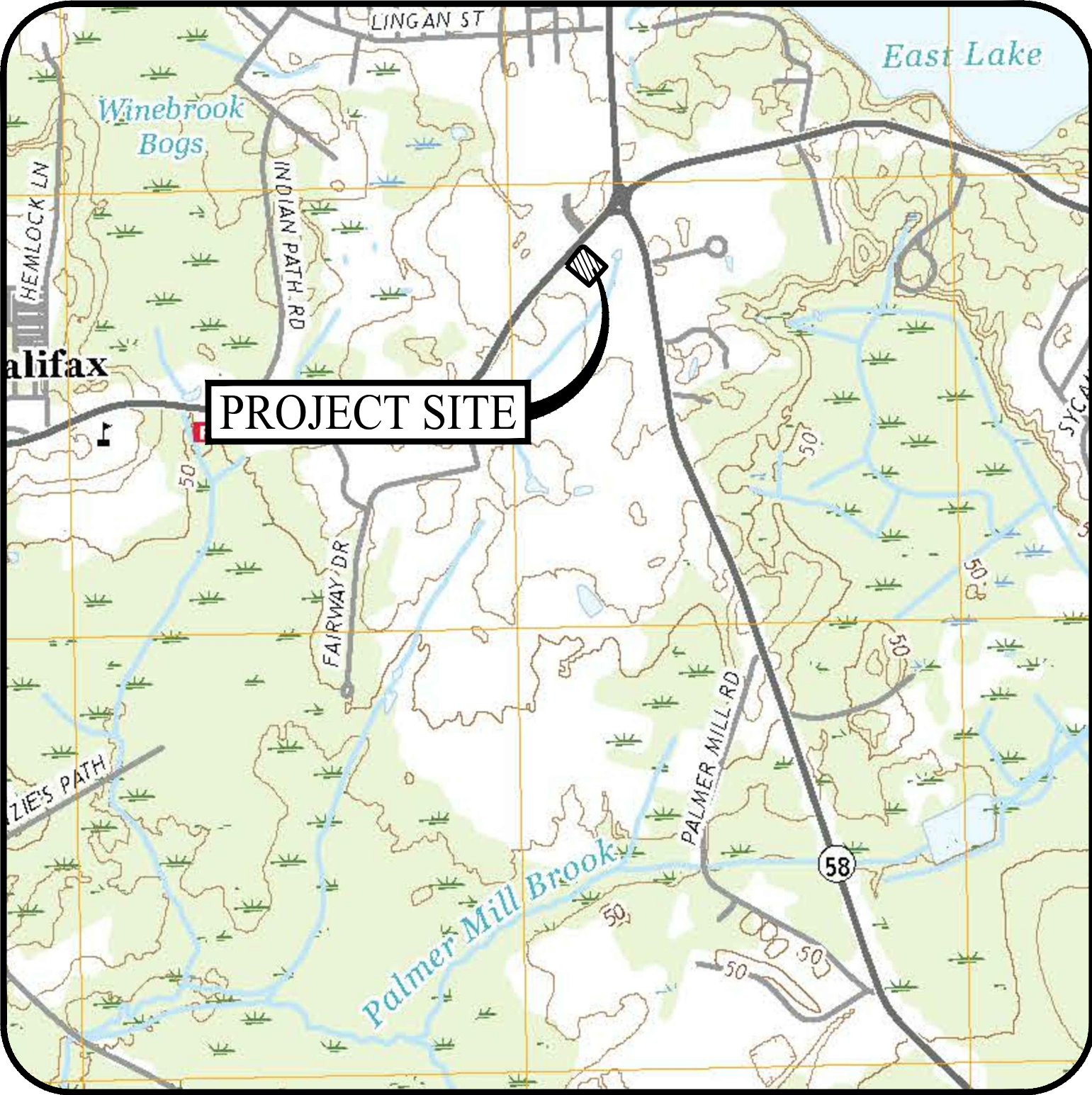




USGS MAP

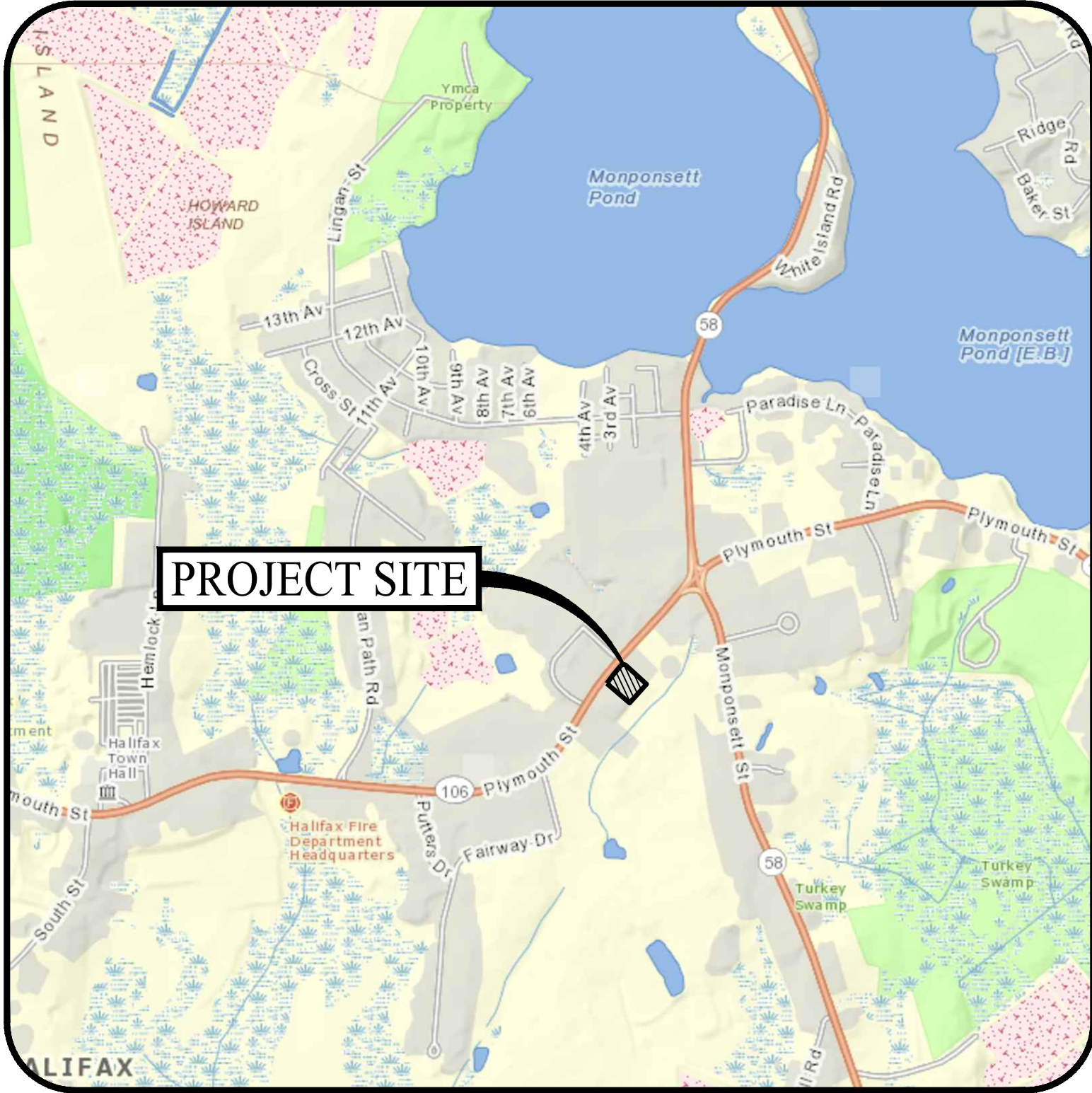
SCALE: 1" = 1,000'

PROPOSED

O'Reilly

AUTO PARTS

330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS



LOCATION MAP

SCALE: 1" = 1,000'

PREPARED FOR:



736 CHERRY STREET
CHATTANOOGA, TENNESSEE 37402

PREPARED BY:



25 BRAINTREE HILL OFFICE PARK, SUITE 200, BRAINTREE, MA 02184

UTILITY CONTACTS

WATER
KEITH SWANSON
TOWN OF HALIFAX
500 PLYMOUTH STREET
HALIFAX, MA 02338
(781) 293-1733

ELECTRIC
NATIONAL GRID
(800) 375-7405

GAS
COLUMBIA GAS OF MASSACHUSETTS
(800) 688-6160

TELEPHONE
COMCAST WESTERN NEW ENGLAND
(800) 266-2278

SOIL EVALUATOR

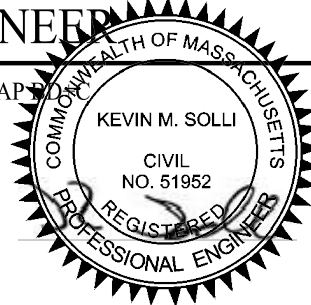
JOSEPH E. WEBBY, JR.
WEBBY ENGINEERING ASSOCIATES, INC.
180 COUNTY ROAD
PLYMPTON, MA 02367
(781) 585-1164

GEOTECHNICAL ENGINEER

LAWRENCE J. DWYER, P.E.
TERRACON CONSULTANTS, INC.
77 SUNDIAL AVENUE, SUITE 401W
MANCHESTER, NEW HAMPSHIRE 03103
(603) 647-9700

SITE/CIVIL ENGINEER

KEVIN SOLLI, P.E., CPESC, LEED AP
LICENSE NO. 51952
SOLLI ENGINEERING, LLC
501 MAIN STREET
MONROE, CT 06468
(203) 880-5455



PROPERTY INFORMATION

ADDRESS: 330 PLYMOUTH STREET, HALIFAX, MASSACHUSETTS
ZONING DISTRICT: COMMERCIAL-BUSINESS (B)
PARCEL ID: 63-30-0
LOT AREA: 0.987 ACRES

PROPERTY OWNER

CUMBERLAND FARMS, INC.
165 FLANDERS ROAD
WESTBOROUGH, MASSACHUSETTS 01581

APPLICANT

HUTTON TEAM, LLC.
736 CHERRY STREET
CHATTANOOGA, TN 37402

SURVEYOR OF RECORD

BRIAN J. MURPHY, LS
LICENSE NO. 38387
FARLAND CORP.
401 COUNTY STREET
NEW BEDFORD, MA 02740
(508) 717-3479

ARCHITECT

BUDDY D. WEBB
3057 EAST CAIRO
SPRINGFIELD, MISSOURI 65802
(417) 877-1385

DRAWING LIST

CIVIL PLAN SET

SHEET #	SHEET NAME	PLAN DATE	LATEST REVISION
0.00	COVER SHEET	10/01/18	04/28/20
1.11	ALTA/NSPS LAND TITLE SURVEY	07/11/18	07/17/18
1.40	300' RADIUS MAP	10/01/18	N/A
2.11	SITE LAYOUT PLAN	10/01/18	11/13/20
2.21	GRADING, DRAINAGE & UTILITY PLAN	10/01/18	11/13/20
2.31	SOIL EROSION & SEDIMENT CONTROL PLAN	10/01/18	03/13/19
2.61	LANDSCAPE PLAN	10/01/18	01/21/19
3.01	DETAILS	10/01/18	11/13/20
3.02	DETAILS	10/01/18	03/13/19
3.03	DETAILS	10/01/18	04/28/20
3.04	DETAILS	10/01/18	01/21/19
3.05	DETAILS	04/10/19	08/08/19

ARCHITECTURAL PLAN SET

SHEET #	SHEET NAME	PLAN DATE	LATEST REVISION
A1.1	FLOOR PLAN	01/11/19	02/07/19
A2.1	EXTERIOR ELEVATIONS	01/11/19	02/07/19
SP1	SITE LIGHTING PHOTOMETRICS	01/11/19	N/A
SP2	SITE LIGHTING DETAILS	01/11/19	N/A
SG1.1	SITE SIGNAGE PLAN	01/11/19	02/07/19
SG1.2	SITE SIGNAGE DETAIL	01/11/19	02/07/19
SG2.1	BUILDING EXTERIOR SIGNAGE	01/11/19	02/07/19

Rev. #:	Date	Description
10	11/13/20	Revised Per Town Comments
9	04/28/20	Construction Revision #1
8	08/08/19	Board of Health Comments (Rev. #5)
7	04/23/19	Board of Health Comments
6	04/10/19	Board of Health Comments
5	03/13/19	Review Engineer Comment (Rev. #4)
4	02/06/19	Revised per Applicant Comments
3	02/04/19	Revised per Architect Comments
2	01/21/19	Revised per Architect Comments
1	10/12/18	Revised per O'Reilly Comments

Project:



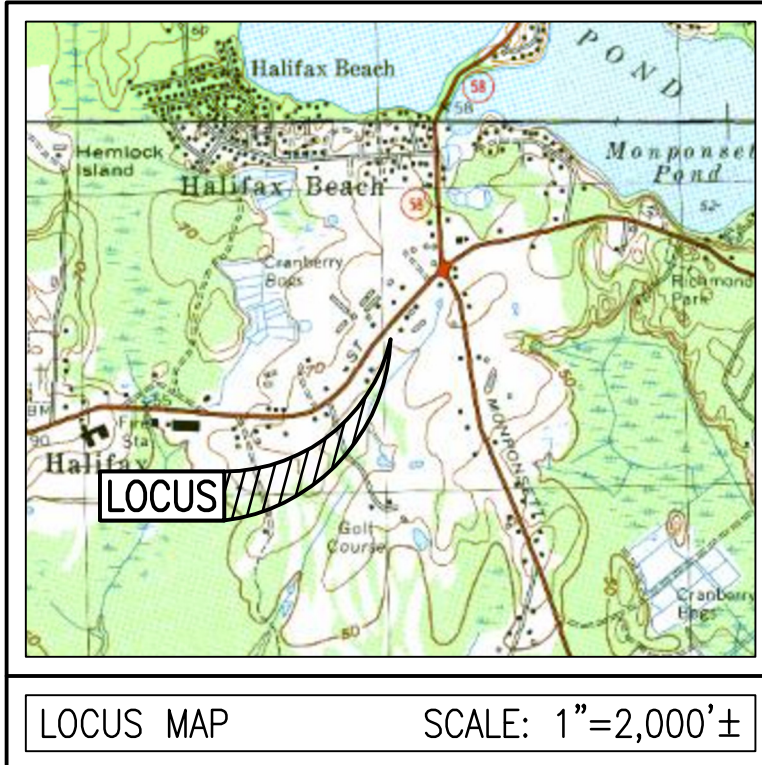
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

Sheet Title:

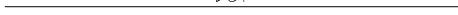
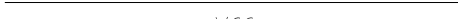
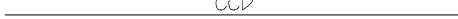
COVER
SHEET

Sheet #:

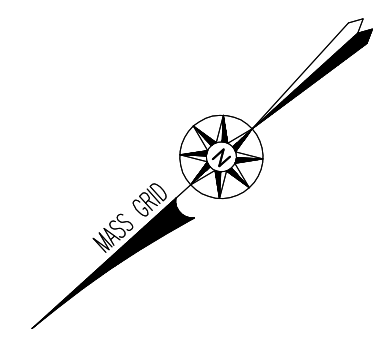
0.00



LEGEND

EXISTING	DESCRIPTION
	PROPERTY LINE
	CONTOUR LINE
	SPOT ELEVATION
	EDGE OF PAVEMENT
	VERTICAL GRANITE CURB
	VERTICAL CONCRETE CURB
	CAPE COD BERM
	GAS LINE
	OVERHEAD WIRES
	DRAIN LINE
	GAS GATE
	SIGN
	LIGHT
	UTILITY POLE
	CATCH BASIN
	DRAIN MANHOLE

PARCEL I.D. 63-6-0
N/F
R & J, LLC



CERTIFICATION

THIS IS TO CERTIFY TO FIRST AMERICAN TITLE INSURANCE COMPANY AND HUTTON ST 17, LLC, A DELAWARE LIMITED LIABILITY COMPANY, THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 8, 9, 11, 13, & 14 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JULY 9, 2018.

BY: _____
PROFESSIONAL LAND SURVEYOR: BRIAN J. MURPHY DATE _____

LEGAL DESCRIPTION

THAT CERTAIN REAL ESTATE LOCATED IN PLYMOUTH COUNTY, HALIFAX, MA DESCRIBED AS LOT 30A ON THAT PLAN ENTITLED "PLAN OF LAND ASSESSORS MAP 63, LOTS 6 & 30, PLYMOUTH STREET, HALIFAX, MASSACHUSETTS" PREPARED BY SILVA ENGINEERING ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS & ENVIRONMENTAL CONSULTANTS, 1515 BEDFORD STREET, BRIDGEWATER, MA 02324, DATED FEBRUARY 6, 2013, RECORDED WITH PLYMOUTH COUNTY REGISTRY OF DEEDS AS PLAN #0000047, IN BOOK 57, PAGE 877.

NOTES

1. THE LOT SHOWN ON THIS PLAN IS LAND NOTED IN TITLE POLICY COMMITMENT NO. NCS-893547-HOU1, DATED 6-17-06, BY FIRST AMERICAN TITLE INSURANCE COMPANY.
2. BY GRAPHIC PLOTTING ONLY, THE PROPERTY DEPICTED ON THIS PLAN FALLS IN ZONE X, AS SHOWN ON THE FLOOD INSURANCE RATE MAP 25023C0326J, EFFECTIVE DATE: JULY 17, 2012.
3. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS ON FILE AT THE TOWN OF HALIFAX, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
4. NO STRIPED PARKING SPACES WERE OBSERVED.
5. WETLAND MARKERS WERE OBSERVED AND ARE PLOTTED.
6. NO EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING WORK OR BUILDING ADDITIONS.
7. THERE IS NO EVIDENCE OF THE SITE BEING USED AS A SOLID WASTE DUMP, SUMP, OR SANITARY LANDFILL.
8. SUBJECT PROPERTY HAS PHYSICAL ACCESS TO PLYMOUTH STREET (A.K.A ROUTE 106).

EXCEPTIONS

- ⑧ ORDER OF TAKING FOR THE RE-ESTABLISHMENT OF LINES AND BOUNDARIES IN PLYMOUTH STREET BY THE PLYMOUTH COUNTY COMMISSIONERS RECORDED IN BOOK 2698, PAGE 40. (DOES NOT AFFECT LOCUS)
- ⑩ BUILDING FOOTPRINT AS SHOWN ON PLAN NO. 47 OF 2013 IN PLAN BOOK 57, PAGE 877. (DOES NOT AFFECT LOCUS)
- ⑪ DRAIN EASEMENT REFERRED IN DEED RECORDED IN BOOK 16684, PAGE 69 AND SHOWN ON PLAN NO. 71 OF 2008 IN PLAN BOOK 54, PAGE 26. (PLOTTED)

NOTE: EXCEPTION 11 SHOWS A 20 FOOT WIDE DRAINAGE EASEMENT WHICH ENDS ON THE SOUTHERLY SIDE OF THE PROPOSED ROAD SHOWN ON THE REFERENCED PLAN AND THEN CONTINUES ON FROM THE NORTHERLY SIDE OF SAID ROAD. IT IS UNKNOWN WHETHER THIS PORTION OF THE EASEMENT IS STILL IN EFFECT.

- (12) RESTRICTIONS SET FORTH IN DEED RECORDED IN BOOK 16684, PAGE 69.
NOTE: ONLY RESTRICTION 1 IS LOCUS. (NOT PLOTTABLE)

RECORD OWNER

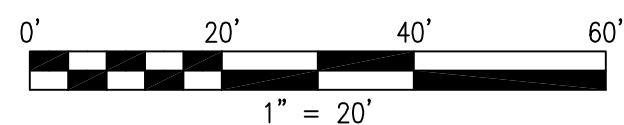
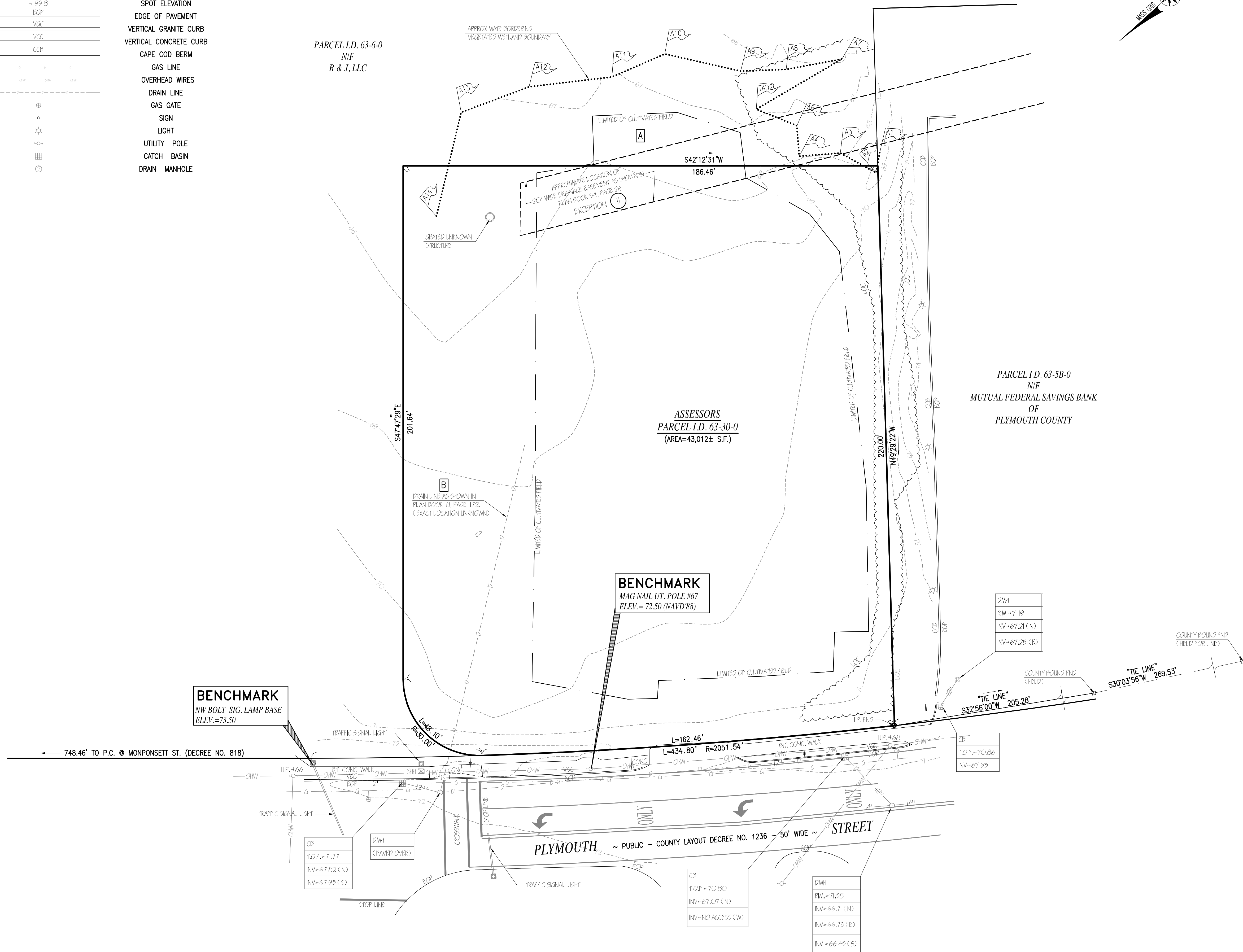
ASSESSORS PARCEL I.D. 63-30-0
CUMBERLAND FARMS, INC.
165 FLANDERS ROAD
WESTBOROUGH, MA 01581
DEED BOOK 42758, PAGE 1

PLAN REFERENCES

PLAN BOOK 13, PAGE 505
PLAN BOOK 17, PAGE 530
PLAN BOOK 18, PAGE 1172
PLAN BOOK 20, PAGE 530
PLAN BOOK 54, PAGE 26
PLAN BOOK 54, PAGE 27
PLAN BOOK 57, PAGE 877

POSSIBLE ENCROACHMENTS

- A** CULTIVATED AREA EXTENDS BEYOND LOCUS
- B** DRAIN LINE AS SHOWN IN P.B. 18, PG. 1172
(EXACT LOCATION UNKNOWN)



REVISIONS

1	7/17/18	EASEMENT, NOTES



www.FarlandCorp.com

401 COUNTY STREET
NEW BEDFORD, MA 02740
P.508.717.3479
OFFICES IN:
● TAUNTON
● MARLBOROUGH
● WARWICK, RI

DRAWN BY: KW

DESIGNED BY: N/A

CHECKED BY: BJM

ALTA/ACSM LAND TITLE SURVEY
 — 330 PLYMOUTH STREET —
 ASSESSORS PARCEL I.D. 63-30-0
 HALIFAX, MASSACHUSETTS

PREPARED BY: CASEY BURCH
FOR: SOLLI ENGINEERING
501 MAIN ST., MONROVIA, CA 90646

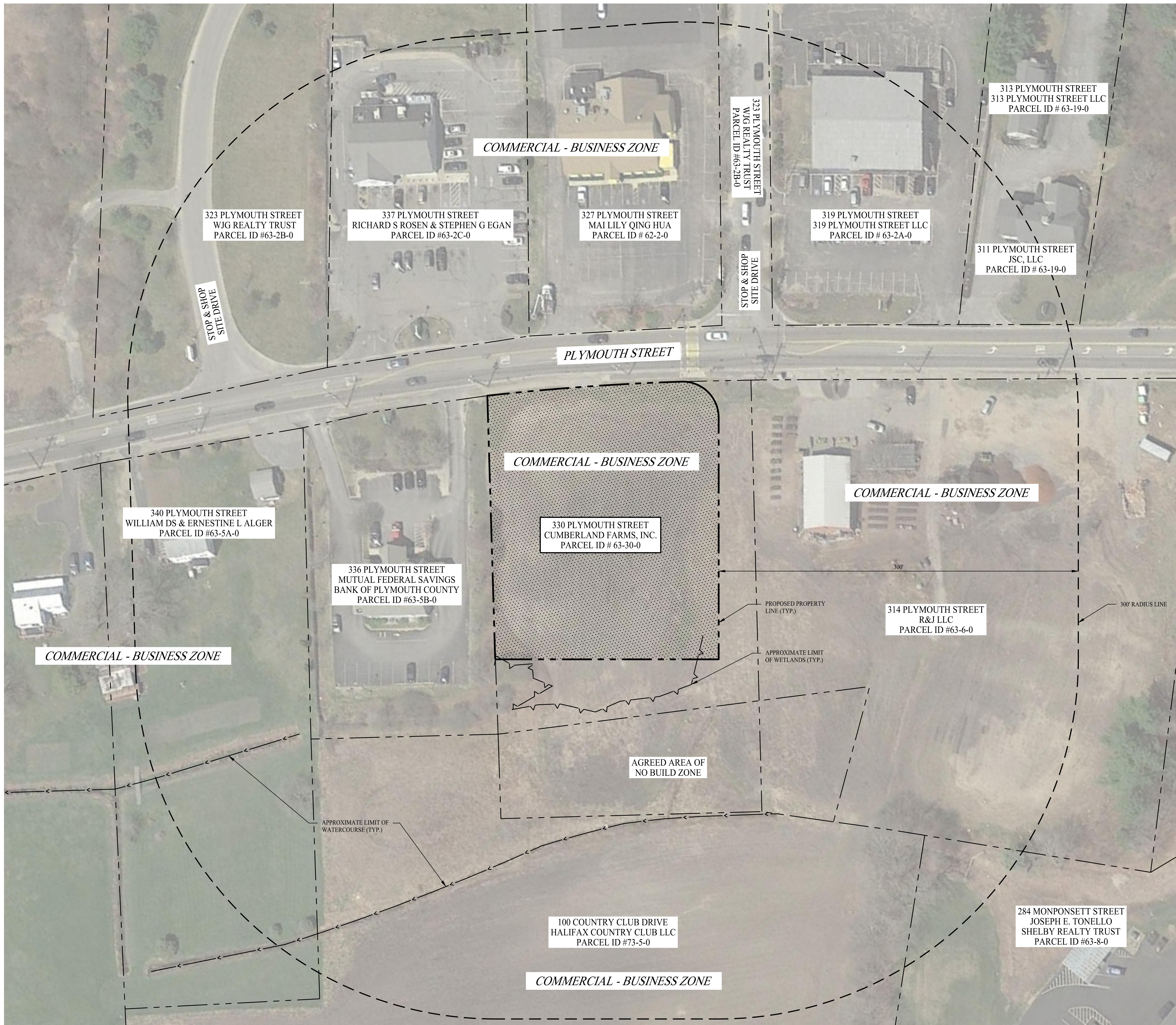
JULY 11, 2018

SCALE: 1"=20'

JOB NO. 18-599

LATEST REVISION:
JULY 17, 2018

SHEET 1 OF 1



1. EXISTING BOUNDARY AND TOPOGRAPHY INFORMATION IS BASED ON A DRAIVING TITLED "ALTA/ACSM LAND TITLE SURVEY OF 330 PLYMOUTH STREET, HALIFAX, MASSACHUSETTS," DATED: JULY 11, 2008, SCALE: 1"=20' BY FARLAND CORP., 401 COUNTY STREET, NEW BEDFORD, MASSACHUSETTS 02740.
2. ADJOINING PROPERTY OWNER INFORMATION TAKEN FROM TOWN OF HALIFAX ASSESSORS MAPS, MAP NUMBERS 63 AND 73
3. AERIAL IMAGERY TAKEN FROM GOOGLE MAPS:
URL: WWW.GOOGLE.COM/MAPS

	PROPERTY LINE
	LIMIT OF 300' RADIUS
	WATERCOURSE
	LIMIT OF WETLANDS
	330 PLYMOUTH STREET

Rev. #:	Date Description
Graphic Scale:	
SOLLI ENGINEERING 25 Braintree Hill Office Park, Suite 200, Braintree, MA T: (781) 930-3290	
Drawn By: CJP Checked By: CJB Approved By: KMS Project #: 1802201 Plan Date: 10/01/18 Scale: 1" = 40'	KEVIN M. SOLLI, P.E. MA 01952
Project:	
 O'REILLY AUTO PARTS 330 PLYMOUTH STREET HALIFAX, MASSACHUSETTS	
Sheet Title:	Sheet #:
300' RADIUS MAP	1.40

LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ADJOINING LOT LINE
	BUILDING SETBACK
	50' WETLAND SETBACK
	100' WETLAND SETBACK
	BASIN LIMITS
	BITUMINOUS CONCRETE CURB
	GRANITE CURB
	SIDEWALK
	BUILDING LIMITS
	LIGHT DUTY BITUMINOUS CONCRETE PAVEMENT
	HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT
	CONCRETE PAVEMENT
	CONCRETE WHEEL STOP
	DOOR LOCATION
	OVERHEAD DOOR LOCATION
	TRAFFIC SIGN DESIGNATION
	STOP BAR
	TRAFFIC SIGNAGE
	PAVEMENT ARROW MARKINGS
	DETECTABLE WARNING STRIP
	ACCESSIBLE PARKING SPACES
	COMPOSITE FENCE

REQUESTED VARIANCES

- PER ZONING REGULATIONS, SECTION 167-14-F, THE TOWN OF HALIFAX REQUIRES 73 PARKING SPACES FOR THIS SIZE RETAIL FACILITY. THIS LAYOUT PROVIDES 36 PARKING SPACES, DEFICIENT 37 SPACES. A VARIANCE FROM THESE PARKING STANDARDS IS REQUIRED.
- PER ZONING REGULATIONS, SECTION 167-14, THE TOWN OF HALIFAX REQUIRES EACH OFF-STREET PARKING SPACE TO CONSIST OF 200 SF OF PAVED AREA. THIS LAYOUT PROVIDES 17 PARKING SPACES WITH A PAVED AREA OF 180 SF. A VARIANCE FROM THESE STANDARDS IS REQUIRED.

PARKING SUMMARY

PROPOSED DEVELOPMENT	BLDG. AREA	TOWN/CITY REQ.	REQUIRED	PROVIDED
PROPOSED RETAIL	7,225 SF	1 SPACE / 100 GFA	73	34*
LOADING SPACES		1 SPACE FOR COMMERCIAL USE	1	1
TOTAL SPACES				35

* REFER TO REQUESTED VARIANCES HEREON

SITE PLAN NOTES

- THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION.
- NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
- PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG SAFE" 72 HOURS BEFORE COMMENCEMENT OF WORK AT (888) 344-7233 AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY AND SECURITY OF THE SITE DURING ALL PHASES OF CONSTRUCTION. THE ARCHITECT AND ENGINEER ARE NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ARCHITECT AND ENGINEER HAVE NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
- EXISTING BOUNDARY AND TOPOGRAPHY IS BASED ON DRAWING TITLED "ALTA/ACSM LAND TITLE SURVEY" BY FARLAND CORPORATION DATED 07/11/2018; REVISED 07/17/2018.
- THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL LOCAL AND STATE PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN.
- THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING.
- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
- ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OF PAVING AS APPLICABLE UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE.
- TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO THE STATE DOT STANDARD DETAIL SHEETS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. SIGNS SHALL BE INSTALLED PLUMB WITH THE EDGE OF THE SIGN 2' OFF THE FACE OF THE CURB, AND WITH 7' VERTICAL CLEARANCE UNLESS OTHERWISE DETAILED OR NOTED.
- THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.
- PAVEMENT MARKING KEY:
 - 4" SYDL 4" SOLID YELLOW DOUBLE LINE
 - 4" SYL 4" SOLID YELLOW LINE
 - 4" SWL 4" SOLID WHITE LINE
 - 12" SWSB 12" SOLID WHITE STOP BAR
 - 4" BWL 4" BROKEN WHITE LINE 10' STRIPE 30' SPACE
- PARKING SPACES SHALL BE STRIPED WITH 4" SWL; HATCHED AREA SHALL BE STRIPED WITH 4" SWL AT A 45° ANGLE, 2" ON CENTER. HATCHING, SYMBOLS, AND STRIPING FOR HANDICAPPED SPACES SHALL BE PAINTED BLUE. OTHER MARKINGS SHALL BE PAINTED WHITE OR AS NOTED.
- THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE CIVIL ENGINEER.
- PAVEMENT MARKINGS SHALL BE HOT APPLIED TYPE "N" ACCORDANCE WITH MASSACHUSETTS DOT SPECIFICATIONS, UNLESS WHERE EPOXY RESIN PAVEMENT MARKINGS ARE INDICATED.
- WETLANDS WERE DELINEATED AND FLAGGED BY ENVIRONMENTAL CONSULTING AND RESTORATION, LLC ON JUNE 20TH, 2018.

ZONING COMPLIANCE TABLE

ZONE: BUSINESS - COMMERCIAL			
ZONING REQUIREMENT	ZONING STANDARD	EXISTING CONDITIONS	PROPOSED CONDITIONS
MINIMUM LOT AREA	0.918 AC (40,000 SF)	0.987 AC (43,013 SF)	0.987 AC (43,013 SF)
MINIMUM CONTINUOUS FRONTAGE	150 FT	162 FT	162 FT
MINIMUM FRONT YARD BUILDING SETBACK	50 FT	N/A	101 FT
MINIMUM SIDE & REAR YARD			
SIDE YARD	30 FT	N/A	30.5 FT
REAR YARD	40 FT	N/A	40.5 FT
MAXIMUM HEIGHT	40 FEET	N/A	17 FEET
LOT COVERAGE	25%	N/A	9.2%

7	11/13/20	Revised Per Town & Arch Comments
6	08/08/19	Board of Health Comments (Rev. #5)
5	03/13/19	Review Engineer Comment (Rev. #4)
4	02/06/19	Revised per Applicant Comments
3	02/04/19	Revised per Architect Comments
2	01/21/19	Revised per Architect Comments
1	10/12/18	Revised per O'Reilly Comments
Rev. #:	Date	Description

Graphic Scale:



Drawn By: CJP

Checked By: CJB

Approved By: KMS

Project #: 1802201

Plan Date: 10/01/18

Scale: 1" = 20'



O'Reilly
AUTO PARTS
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

Sheet Title:

Sheet #:

SITE LAYOUT
PLAN

2.11

SIGN LEGEND

SIZES (IN)	SIZES (IN)	SIZES (IN)	SIZES (IN)
MUTCD #	MUTCD #	MUTCD #	MUTCD #
SUPPORTS	SUPPORTS	SUPPORTS	SUPPORTS
30"	12"x18"	12"x18"	12"x18"
R1-1	R7-8	R7-8P	R7-6
1	1	1	1

LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ADJOINING LOT LINE
	RESERVE SEPTIC AREA
	PRIMARY SEPTIC AREA
	SAWCUT PAVEMENT LINE
	MINOR CONTOUR
	MAJOR CONTOUR
	SANITARY PIPE
	STORMWATER PIPE
	WATER LINE
	GAS LINE
	ELECTRIC, TELEPHONE AND CABLE
	ELECTRIC HANDHOLE
	TYPE "CL" CATCH BASIN
	EXISTING UTILITY POLE
	SEPTIC TANK
	DISTRIBUTION BOX
	RIP-RAP STABILIZATION
	GRADE TO DRAIN

PUMP CHAMBER BUOYANCY CALCULATIONS

INSIDE DIAMETER (ID) = 7.00'	TOP SLAB THICKNESS = 12.00"	BOTTOM SLAB THICKNESS = 8.00"
OUTSIDE DIAMETER(OD) = 8.33'	WALL THICKNESS = 8.00"	EARTH FILL (F) = 0.00'
INSIDE HEIGHT (H) = 5.41'	OUTSIDE HEIGHT (OH) = 7.08'	WATER TABLE DEPTH (WT) = 4.60'
HEIGHT OF STRUCTURE ABOVE GRADE (HG) = 0.00'		
UNIT WEIGHT OF CONCRETE (WC) = 150 LB/CF	UNIT WEIGHT OF SOIL (WS) = 120 LB/CF	
UNIT WEIGHT OF WATER (WW) = 62.4 LB/CF	SAFETY FACTOR REQUIRED = 1.00	
DOWNWARD FORCES		
CONCRETE WEIGHT = $[(\text{ID}^2/2)(\text{OH}/4) - (\text{ID}^2/2)(\text{H}/4)] (\text{WC}) = 26,646 \text{ LBS}$		
WEIGHT OF FILL = $[(\text{OD}^2/4)(\text{FWS})] = 0 \text{ LBS}$		
SUBTRACT FOR OPENINGS (PIPE INLETS) = 37 LBS		
TOTAL = 26,609 LBS		
UPWARD BUOYANT FORCE		
$[(\text{ID}^2/2)(4)(\text{OH}-\text{F}-\text{WT}-\text{HG})] (\text{WW}) = 8,434 \text{ LBS}$		
DIFFERENCE = 18,175 LBS		
SAFETY FACTOR = 3.15 > 1		
THEREFORE, PUMP CHAMBER TANK WILL OVERCOME BUOYANT FORCE IN WORST CASE SCENARIO.		

SEPTIC TANK BUOYANCY CALCULATIONS

SEPTIC TANK WEIGHT = 16,000 LBS PER MANUFACTURER	TOP SLAB THICKNESS = 8.00"	TANK DEPTH (TD) = 6.25'
BOTTOM SLAB THICKNESS = 3.50"	WALL THICKNESS = 3.50"	EARTH FILL (F) = 0.00'
OUTSIDE HEIGHT (OH) = 5.92'	WATER TABLE DEPTH (WT) = 4.60'	TANK WIDTH (TW) = 10.33'
INSIDE HEIGHT (H) = 4.96'		
HEIGHT OF STRUCTURE ABOVE GRADE (HG) = 0.00'		
UNIT WEIGHT OF CONCRETE (WC) = 150 LB/CF	UNIT WEIGHT OF SOIL (WS) = 120 LB/CF	
UNIT WEIGHT OF WATER (WW) = 62.4 LB/CF	SAFETY FACTOR REQUIRED = 1.00	
DOWNWARD FORCES		
SEPTIC TANK CONCRETE WEIGHT = 16,000 LBS		
WEIGHT OF FILL = $[(\text{ID}^2/2)(4)(\text{FWS})] = 0 \text{ LBS}$		
TOTAL = 16,000 LBS		
UPWARD BUOYANT FORCE		
$[(\text{OH}-\text{WT}-\text{F}+\text{HG})(\text{TD})(\text{TW})] (\text{WW}) = 5,318 \text{ LBS}$		
DIFFERENCE = 10,682 LBS		
SAFETY FACTOR = 3.01 > 1		
THEREFORE, SEPTIC TANK WILL OVERCOME BUOYANT FORCE IN WORST CASE SCENARIO.		

DESIGN NOTES

- MATERIAL SCHEDULE:
- PIPE FROM BUILDING TO SEPTIC TANK OR GREASE TRAP - 6" PVC SCHEDULE 40, ASTM D1785.
- GREASE TRAPS AND SEPTIC TANKS - PRECAST CONCRETE MONOLITHIC STRUCTURES IN COMPLIANCE WITH SECTION 15.223 OF THE 310 CMR 15.
- PIPE BETWEEN TANKS AND PUMP CHAMBER - 4" PVC SCHEDULE 40, ASTM D1785.
- PIPE WITHIN PUMP CHAMBER - 2" PVC SCHEDULE 80, ASTM D1785.
- FORCE MAIN - 2" PVC SCHEDULE 80, ASTM D1785, WITH COMPRESSION FITTINGS.
- DISTRIBUTION BOX - PER DETAIL.
- DISTRIBUTION PIPING - 4" SDR 35 PVC
- DESIGN CALCULATIONS:
- AVERAGE DAILY USE PER CALCULATIONS IS 60 GALLONS PER DAY (SEE METER READINGS HEREON).
- APPLY A PEAKING FACTOR OF 2.0, PER 310 CMR 15, THE DESIGN FLOW IS 120 GALLONS PER DAY.
- PUMP CHAMBER:
- DUPLEX PUMP CHAMBER (SEE SHEET 3.03), LEAD-LAG CONTROL WITH ALARM AND CONTROLS LOCATED WITHIN BUILDING. SEE DETAIL FOR PARTS AND MATERIALS. FOUR (4)-FOOT DIAMETER WET WELL, ON-OFF ELEVATION DIFFERENCE IS APPROXIMATELY 0.43 FEET. PUMP DISCHARGES 40 GALLONS PER CYCLE, 120 / 40 = 3 CYCLES PER DAY.

GRADING & UTILITY NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY GOVERNMENT AND LOCAL AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS FROM LOCAL GOVERNING AUTHORITIES AND STATE REQUIRED TO PERFORM ALL REQUIRED WORK, INCLUDING FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL POST ALL BONDS, EXCEPT CONNECTICUT DOT ENCROACHMENT PERMIT BOND, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
2. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG SAFE" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "N1" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
3. SHOULD ANY UNCHARTERED OR INCORRECTLY CHARTERED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF BARRIERS, BARRIERS, SIGNS, LIGHTS, FENCES AND INFORMED TRAFFIC CONTROLS AS REQUIRED, ORDERED BY THE ENGINEER OR REQUIRED BY THE STATE AND LOCAL GOVERNING AUTHORITIES.
5. ALL DISTURBANCE INCURRED TO CITY, COUNTY, OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER.
6. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK ON IMPACTED SOIL AND NOTIFY THE OWNER AND/OR OWNERS ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNERS ENVIRONMENTAL CONSULTANT.
7. PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILLING OF ANY WATERCOURSE OR WETLANDS IN ACCORDANCE WITH THE REGULATIONS OF THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
9. ALL DOMESTIC WATER AND SANITARY SEWER STUBS TO BE TERMINATED 5 FEET OUTSIDE OF THE BUILDING UNLESS OTHERWISE NOTED. THE END OF THESE SERVICE LINES SHALL BE TIGHTLY PLUGGED OR CAPED AND MARKED UNTIL SUCH TIME AS CONNECTION IS MADE INSIDE BUILDING BY PLUMBING CONTRACTOR.
10. THE SITE UTILITY CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE LOCAL UTILITY AUTHORITIES FOR CONNECTION TO THE EXISTING MAINS AND PAY ALL APPLICABLE FEES.
11. ALL SANITARY SEWER PIPE SHALL BE SDR 40 MEETING ASTM D-304 WITH SOLVENT WELDED JOINTS.
12. BUILDING PLUMBING CONTRACTOR SHALL PAY ALL COST FOR WATER METERS, METER BOXES, VALVES, ETC. TO PROVIDE A COMPLETE JOB PER LOCAL AUTHORITY REQUIREMENTS.
13. THRUST BLOCKS SHALL BE PROVIDED AT ALL TEES, ELBOWS, AND BENDS OF SUFFICIENT SIZE TO COMPLY WITH MINIMUM STANDARDS OF N.E.P.A. - EXISTING SOIL CONDITIONS.
14. THE SITE UTILITY CONTRACTOR SHALL COORDINATE AND PAY FOR ALL SANITARY SEWER CONNECTIONS. SANITARY SEWER CONNECTION FINAL TIE-IN TO THE EXISTING MANHOLE SHALL NOT BE MADE UNTIL COMPLETION OF THE PROPOSED SYSTEM AND ALL MANHOLES HAVE BEEN BROUGHT ABOVE GROUND TO INSURE SEDIMENT DOES NOT ENTER SYSTEM. LINES SHALL BE PROPERLY CLEANED, IF NEEDED.
15. GRADING CONTRACTOR SHALL RESTORE TO GRADE AND COMPACTION ALL AREAS DISTURBED BY BUILDING CONSTRUCTION PRIOR TO ARISE AND PAVING OPERATIONS COMMENCING.
16. THERE ARE NO WELLS WITHIN 200' OF THE PROPOSED SEPTIC SYSTEM.
17. EXISTING WETLANDS ARE LOCATED WITHIN 100' OF THE PROPOSED SEPTIC SYSTEM AND RESERVE AREA.
18. THE PROPERTY IS NOT LOCATED WITHIN A ZONE I.
19. DISPOSAL FACILITIES SHALL BE AT LEAST 18 INCHES BELOW WATER SUPPLY LINES. WHEREVER SEWER LINES MUST CROSS WATER SUPPLY LINES, BOTH PIPES SHALL BE CONSTRUCTED OF CLASS 150 PRESSURE PIPE AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS.
20. THE PROJECT SITE IS LOCATED WITHIN A FEMA AREA OF MINIMAL FLOOD HAZARD (ZONE X).
21. THERE ARE NO EXISTING ABUTTING FOUNDATIONS WITHIN 25' OF THE SOIL ABSORPTION SYSTEM.

DESIGN FLOW CALCULATIONS

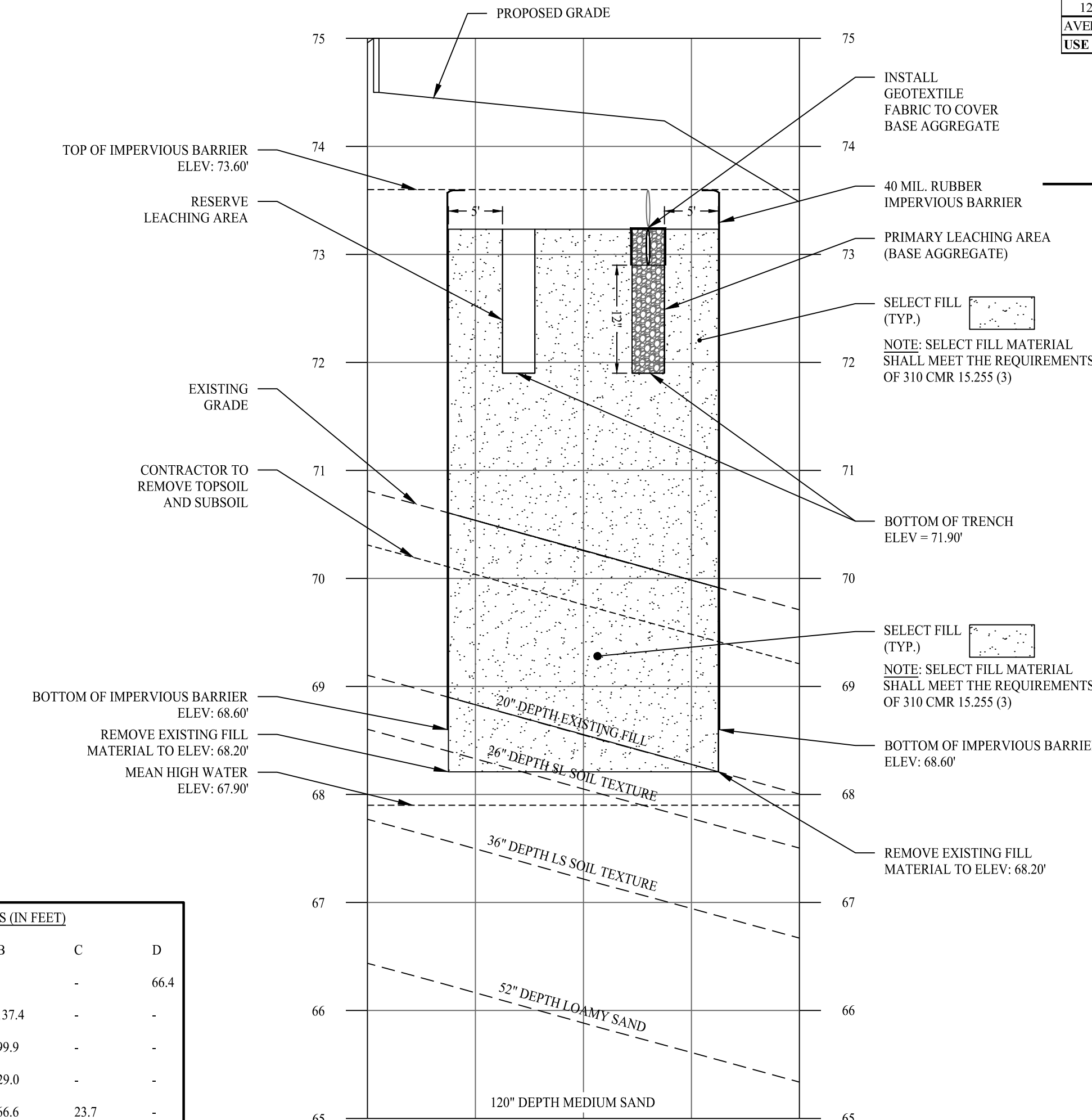
METER READINGS FOR O'REILLY AUTO PARTS STORE					
BILLING DATE	SERVICE PERIOD (DAYS)	METER READING		USAGE (GALLONS)	GPD
		CURRENT	PREVIOUS		
1/28/2016	34	132	129	3,000	88
2/26/2016	28	133	132	1,000	36
3/20/2016	29	135	133	2,000	69
4/28/2016	34	138	135	3,000	88
5/27/2016	28	140	138	2,000	71
6/29/2016	31	141	140	1,000	32
7/28/2016	28	144	141	3,000	107
8/30/2016	32	146	144	2,000	63
9/29/2016	35	148	146	2,000	57
10/27/2016	24	149	148	1,000	42
11/30/2016	32	151	149	2,000	63
12/29/2016	31	153	151	2,000	65
1/27/2017	32	155	153	2,000	63
2/24/2017	29	157	155	2,000	69
3/29/2017	29	158	157	1,000	34
4/27/2017	32	160	158	2,000	63
5/31/2017	30	162	160	2,000	67
6/27/2017	30	163	162	1,000	33
7/25/2017	28	165	163	2,000	71
8/30/2017	32	167	165	2,000	63
9/28/2017	35	168	167	1,000	29
10/27/2017	28	170	168	2,000	71
11/29/2017	30	172	170	2,000	67
12/28/2017	29	173	172	1,000	34
AVERAGE GALLONS PER DAY					60
USE 120 GPD FOR DESIGN PURPOSES					

BOARD OF HEALTH APPROVAL NOTES

THIS PROPERTY HAS BEEN APPROVED BY THE TOWN OF HALIFAX BOARD OF HEALTH FOR AN EFFLUENT DESIGN FLOW OF 120 GPD, WHICH SATISFIES THE PROPOSED O'REILLY AUTO PARTS STORE USE. THE PROPERTY WILL BE DEED RESTRICTED TO ONLY ALLOW THE INTENDED USE OF AN O'REILLY AUTO PARTS STORE, ANY POTENTIAL OR FUTURE CHANGE OF USE FOR THIS PROPERTY WILL REQUIRE APPROVAL FROM THE TOWN OF HALIFAX BOARD OF HEALTH.

REQUESTED VARIANCES

**PER THE STATE ENVIRONMENTAL CODE, TITLE 5, SECTION 15.203(1) ACTUAL WATER METER DATA SHALL NOT BE SUBSTITUTED FOR THE DESIGN FLOW CRITERIA FOR THE ACTIVITIES LISTED IN 310 CMR 15.203(2) THROUGH (5). RETAIL STORE IS LISTED AS AN ACTIVITY IN THE DEFINED SECTIONS, THE DESIGN USES ACTUAL WATER METER DATA. PER THE STATE ENVIRONMENTAL CODE, TITLE 5, SECTION 15.203(5), THE MINIMUM ALLOWABLE GPD FOR SYSTEM DESIGN FOR A RETAIL STORE IS TO BE 200 GPD. THE DESIGN USES 120 GPD. A VARIANCE FROM BOTH THESE STANDARDS IS REQUESTED.





- PROPERTY LINE
RIGHT-OF-WAY LINE
ADJOINING LOT LINE
WETLAND LINE
SILT FENCE
SILT FENCE WITH HAY BALE BACKING
CONSTRUCTION ENTRANCE
SILT SACK INLET PROTECTION
AREA PROTECTION FENCE

SOIL EROSION AND EROSION CONTROL NOTES

SEDIMENT AND EROSION CONTROL NARRATIVE

THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND ANY ADJACENT WATER COURSE FROM SEDIMENT LADEN SURFACE RUNOFF AND EROSION.

CONSTRUCTION SCHEDULE

THE ANTICIPATED STARTING DATE FOR CONSTRUCTION IS SPRING 2019 WITH COMPLETION ANTICIPATED BY FALL 2019. APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED HEREIN, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL SITE CLEARING OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN

THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE AGENTS OF THE TOWN OF HALIFAX SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

CONSTRUCTION SEQUENCE

- [illegible]

OPERATION REQUIREMENTS

- CLEARING AND GRUBBING OPERATIONS:**
1. ALL SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING OPERATIONS.
 2. FOLLOWING INSTALLATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH GRADING, FILLING OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER HAS INSPECTED AND APPROVED ALL INSTALLATIONS.
 3. THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING AND GRUBBING OPERATIONS SO AS NOT TO DISTURB SEDIMENTATION AND EROSION CONTROL DEVICES.
 10. FOLLOWING THE COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING OR PROCESSED AGGREGATE STONE AS SOON AS PRACTICAL.

ROUGH GRADING OPERATIONS:

1. DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING AND DRAINAGE PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE, IF REQUIRED.
2. ALL STOCKPILED TOPSOIL THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE SEEDED, MULCHED WITH HAY, AND ENCLOSED BY A

PLACEMENT OF DRAINAGE STRUCTURES AND UTILITIES OPERATIONS

1. SILT FENCES SHALL BE INSTALLED AT THE DOWNHILL SIDES OF MUD PUMP DISCHARGES AND UTILITY TRENCH MATERIAL STOCKPILES. HAY BALES MAY BE USED IF SHOWN ON THE EROSION CONTROL PLANS OR IF DIRECTED BY THE PROJECT ENGINEER.

FINAL GRADING AND PAVING OPERATIONS

1. DESCRIBE IN SPECIFICATIONS AND AS DESCRIBED HEREIN.
2. NO CUT OR FILL SLOPES SHALL EXCEED 3:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, JUTE MESH AND VEGETATION. ALL SLOPES SHALL BE SEEDDED.
3. PAVEMENT SUB-BASE AND BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL SUB-GRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEMS HAVE BEEN INSTALLED.
4. AFTER CONSTRUCTION OF PAVEMENT, TOPSOIL, FINAL SEED, MULCH AND LANDSCAPING, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR GRASS HAS BEEN WELL ESTABLISHED AND THE SITE HAS BEEN INSPECTED AND APPROVED BY A TOWN OF HALIFAX LAND USE AGENT.

INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURE

- I. **SITUATION FENCE:**
 - A. DUE SIX INCH TRENCH ON THE UPHILL SIDE OR THE DESIGNATED FENCE LINE LOCATION.
 - B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1 FEET INTO THE GROUND.
 - C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
 - D. BACKFILL THE TRENCH AND COMPACT.
- II. **HAIR BALES:**
 - A. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES THIRTEENTH (1/12) OF AN INCH LONGER THAN THE OTHERS TO PREVENT THE BALES FROM SLIDING TOGETHER.
 - B. BALES SHALL BE ENTRENCHED AND BACKFILL TO A DEPTH OF 12 INCHES. THE BALE SHALL BE EXCAVED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF FOUR FEET. AFTER THE BALE AREA, THE BALE SHALL BE EXCAVED THE SAME. BALE SHALL BE BACKFILL AGAINST THE BARRIER.
 - C. BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO (2) STAKES.
 - D. THE GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER LEAKAGE.
 - E. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOM OF THE TOP ENDS OF THE BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE BOTTOM ENDS OF THE BALES.

OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES

1. SILTATION FENCE:
A. ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
B. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.
2. HAY BALES:
A. ALL HAY BALE RINGS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY MADE AS NEEDED.
B. DEPOSITS SHALL BE REMOVED AND CLEANED-OUT IF ONE HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENT.

EROSION AND SEDIMENT CONTROL PLAN

- CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS, SILT SACKS, SILTATION FENCE, OR OTHER INLET PROTECTION DEVICES PER DETAILS, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATORY CERTIFICATIONS OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, MANUAL, LATEST EDITION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL EROSION CONTROL MEASURES AS POSSIBLE.
5. ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
6. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED OR REQUESTED BY THE ENGINEER.
7. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL THE EROSION CONTROL REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE EROSION CONTROL MEASURES.
8. THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE OBTAINING OF ALL NECESSARY PERMITS AND REGULATORY CERTIFICATIONS, THE INSTALLATION AND MAINTENANCE OF THE EROSION CONTROL MEASURES, PERFORMING ALL PARTS ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.

SEDIMENT AND EROSION CONTROL NOTES

1. THE SEDIMENT AND EROSION CONTROL PLAN IS ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL TREATMENT FOR THE SITE. SEE SEDIMENT AND EROSION CONTROL DETAILS AND CONSTRUCTION SPECIFICATIONS. REFER TO SITE PLAN FOR GENERAL INFORMATION. OTHER PLAN SHEETS MAY PROVIDE ADDITIONAL INFORMATION.
2. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, INFORMING THE GOVERNING AUTHORITY OR INLAND WETLANDS AGENCY AND OBTAINING ANY NECESSARY PERMITS, AND FOR CONVEYING A COPY OF THE SEDIMENT AND EROSION CONTROL PLAN IF THE TITLE OF THE LAND IS TRANSFERRED.
3. AN EROSION CONTROL BOND MAY BE REQUIRED TO BE POSTED WITH THE TOWN OF HALIFAX TO ENSURE IMPLEMENTATION OF THE EROSION CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE POSTING OF THIS BOND AND FOR INQUIRIES TO THE TOWN OF HALIFAX FOR INFORMATION ON THE METHOD, TYPE AND AMOUNT OF THE BOND POSTING UNLESS OTHERWISE DIRECTED BY OWNER.
4. VISUAL SITE INSPECTIONS SHALL BE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT OF 0.10 INCHES OR GREATER BY A QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION CONTROL MEASURES ARE BEING MAINTAINED AND OPERATIONAL AND ARE EFFECTIVE IN PREVENTING POLLUTION. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
 - A) A SUMMARY OF THE SITE CONDITIONS, EBS IMPDS, AND COMPLIANCE, AND
 - B) THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION
 - C) RECOMMENDATIONS TO MAKE REPAIRS WHEN NECESSARY.
5. THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, PREPARED BY CTDEP, LATEST EDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND APPROVED BY THE TOWN OF HALIFAX AND USE AGENT. THE CONTRACTOR SHALL KEEP A COPY OF THE GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION.
6. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, CIVIL ENGINEER, TOWN OF HALIFAX LAND USE AGENT, OR GOVERNING AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY APPROPRIATE GOVERNING AGENCIES FOR APPROVAL. IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.
7. THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (HAY BALE, SILT FENCE, NUT MESH/RAP ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.
8. INSTALL PERIMETER SEDIMENT CONTROLS PRIOR TO CLEARING OR CONSTRUCTION. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMAIN ON THE UPBIL SIDE OF THE SILT FENCE UNLESS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE FENCE.
9. MINIMIZE LAND DISTURBANCES, SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MUCK AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH MULCH AT A RATE OF 2 TO 4 TONS PER ACRE AS NECESSARY. REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLENDS OF YIELD CLOTH, MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEED WITH TACKIFIER.
10. INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTIONS, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE INSTALLED AT 100' TO 150' SPACING, APPROVED BY THE CIVIL ENGINEER. FILTER FABRIC SHALL BE MINRA1 THORX OR EQUIVALENT. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
11. SWEEP AFTERPORTION OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. OTHER DUST CONTROL MEASURES TO BE USED AS NECESSARY INCLUDE WATERING DOWN DISTURBED AREA USING CALCIUM CHLORIDE, AND COVERING LOADS ON DUMP TRUCKS.
12. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR SHALL TAKE THE MOST APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
13. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
14. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH OF UTILITY AND STORM PIPE TRENCHES SO AS TO ALLOW THE TRENCH TO INTERCEPT ALL SILT LADEN RUNOFF.
15. CONTRACTOR SHALL ONLY EXCAVATE WHAT UTILITY AND STORM PIPE TRENCH WORK AS CAN BE COMPLETED, BACKFILLED AND REINSTALLED THE SAME DAY. ANY EXCAVATION NOT COMPLETED MUST BE PROTECTED BY AN OPEN, UNDISTURBED TRENCH.
16. ANY STOCKPILES OF STRIPPED MATERIALS ARE TO BE PERIODICALLY SPRAYED WITH WATER OR A CRISTING AGENT TO STABILIZE. SUBSTANTIALLY IN DRY AND WINDY WEATHER, HAUL ROADS BOTH INTO AND AROUND THE SITE ARE TO BE SPRAYED AS NEEEDED TO SUPPRESS DUSTS. TRUCKS Hauling IMPORT FILL MATERIAL ARE TO BE TARPED TO AID IN THE CONTROL OF AIRBORNE DUST. DURING HIGH WIND (WIND SPEEDS TO 30 MPH) SUSTAINED) CONSTRUCTION ACTIVITY SHALL BE LIMITED OR CEASED IF DUST CANNOT BE CONTROLLED BY WEETING.
17. MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK, SWEEP PARKING LOT AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS WHEN AUTHORIZED BY THE GOVERNING AGENCY. PROVIDE NOTICE OF TERMINATION WITH GOVERNING AUTHORITY RESPONSIBLE FOR REGULATING STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER NDEP.

2	03/13/19	Review Engineer Comment (Rev. #4)
1	01/21/19	Revised per Architect Comments
Rev. #:	Date	Description

Graphic Scale:



Drawn By:	CJP
Checked By:	CJB
Approved By:	KMS
Project #:	1802201
Plan Date:	10/01/18
Scale:	1" = 20'

Project: 

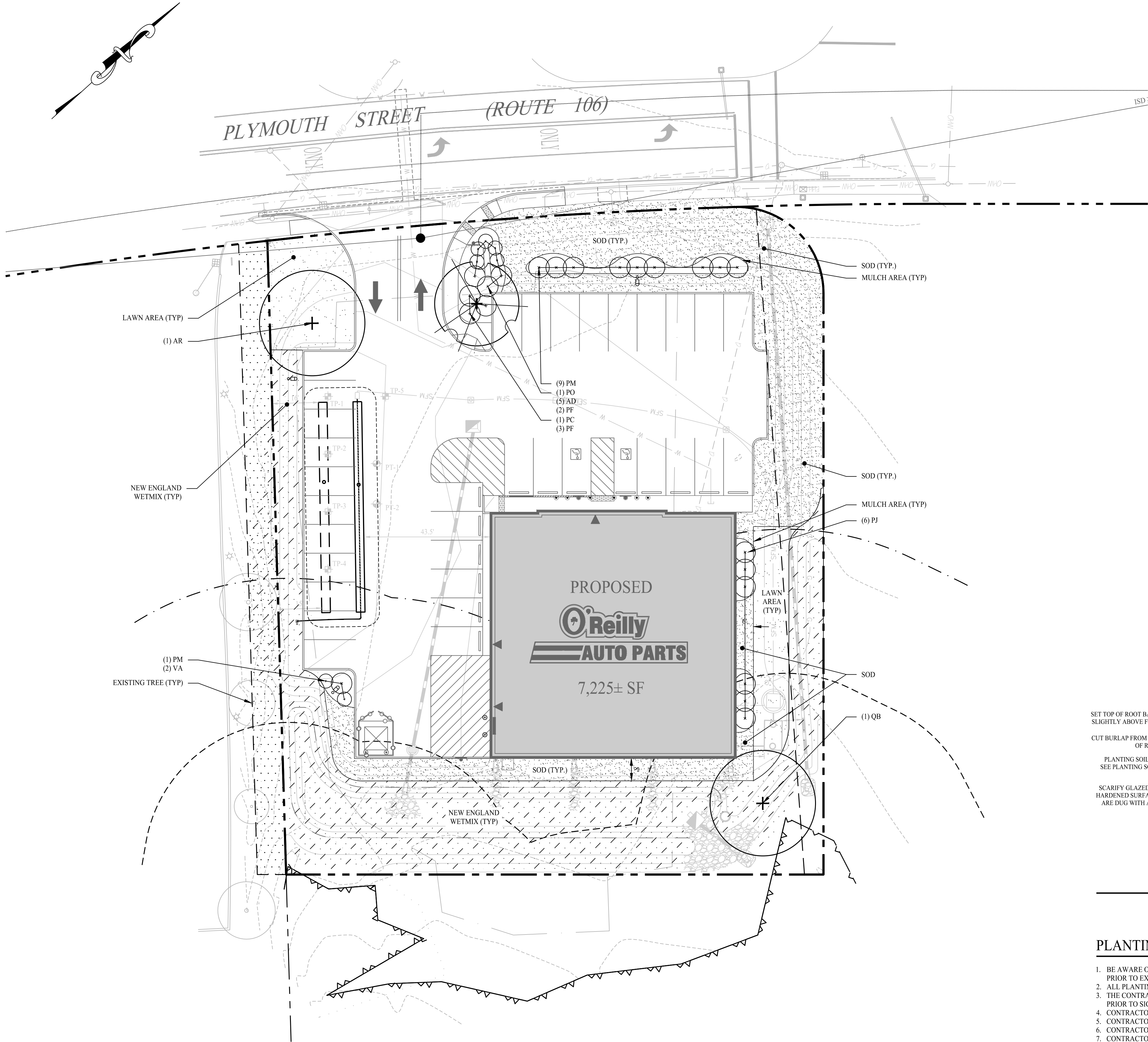
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

Sheet Title:

Sheet #:

SOIL EROSION & SEDIMENT CONTROL PLAN

2.31



PROPOSED PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	COMMENTS
TREES						
AR	1	ACER RUBRUM	RED MAPLE	B&B	2 1/2"-3" CAL	FULL, EXTRA HEAVY
QB	1	QUERCUS BICOLOR	SWAMP WHITE OAK	B&B	2 1/2"-3" CAL	FULL, EXTRA HEAVY
UNDERSTORY TREES						
PC	1	PYRUS CALLERYANA 'ARISTOCRAT'	ARISTOCRAT PEAR	B&B	2 1/2"-3" CAL	FULL, EXTRA HEAVY
UPLAND SHRUBS & GRASSES						
AD	5	AZALEA 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY WHITE AZALEA	CONT	18"-24" HT	FULL, EXTRA HEAVY
PO	1	PHYSOCARPUS OPULIFOLIUS 'DIABLO'	COMMON NINEBARK 'DIABLO'	CONT	18"-24" HT	FULL, EXTRA HEAVY
PF	5	POTENTILLA FRUTICOSA	BUSH CINQUEFOIL	CONT	18"-24" HT	FULL, EXTRA HEAVY
PM	10	PINUS MUGO 'MOPS'	MUGO PINE 'MOPS'	CONT	18"-24" HT	FULL, EXTRA HEAVY
PJ	6	PIERIS JAPONICA	JAPANESE ANDROMEDA	CONT	18"-24" HT	FULL, EXTRA HEAVY
VA	2	VACCINIUM ANGUSTIFOLIUM	LOW-BUSH BLUEBERRY	CONT	18"-24" HT	FULL, EXTRA HEAVY

SEED MIXES

NEW ENGLAND WETMIX (NEW ENGLAND WETLAND PLANTS, INC.)

APPLICATION RATE: 1 LB/2,500 S.F.

LAWN: PENNINGTON SMART SEED SUN AND SHADE

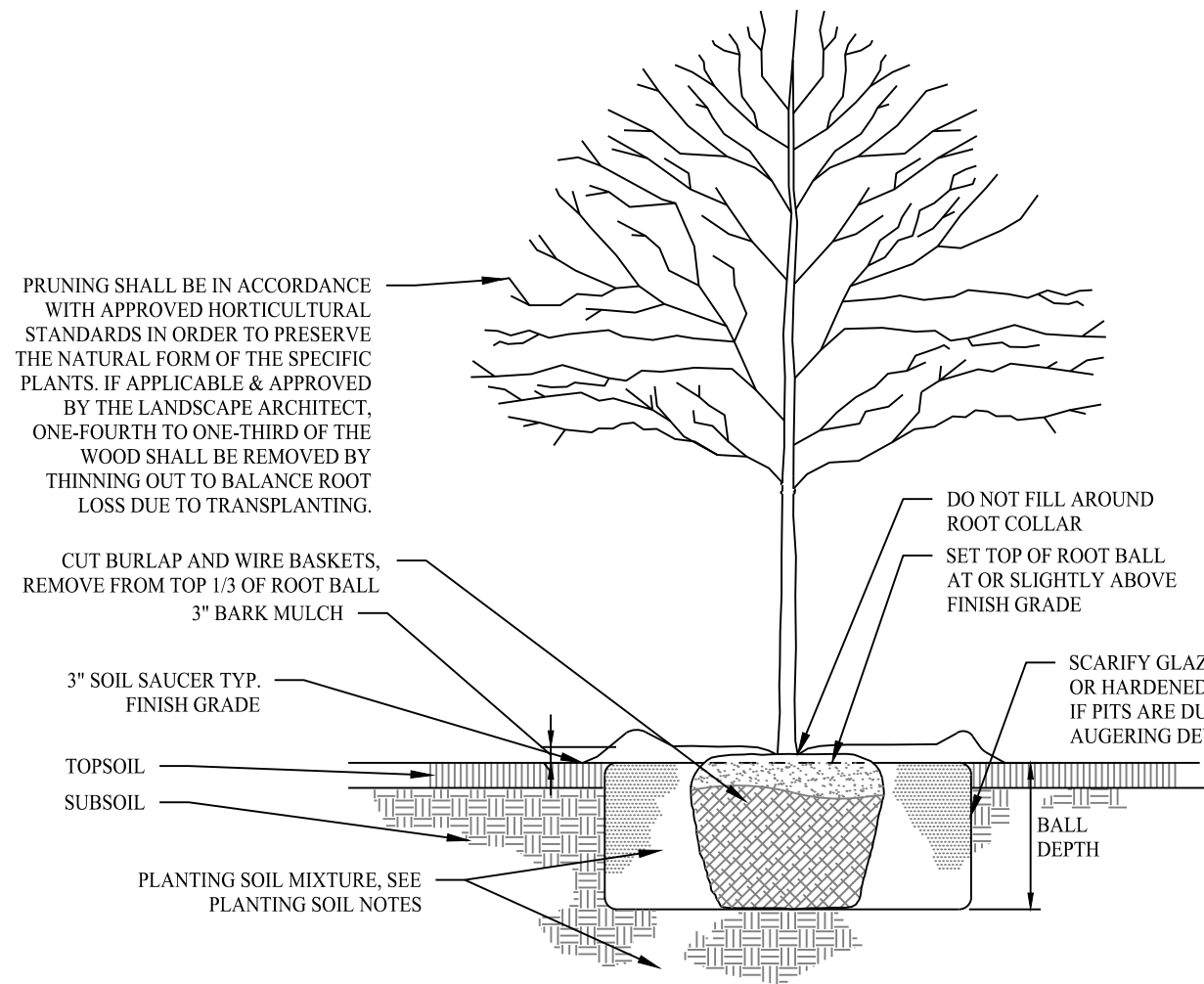
APPLICATION RATE PER MFG RECOMMENDATIONS

PLANTING SOIL NOTES

- ALL PLANTING MIXES SHALL BE PREPARED PRIOR TO DELIVERY TO SITE
- PLANTING MIX FOR TREES AND SHRUBS SHALL BE AS FOLLOWS
3 PARTS SCREENED TOPSOIL
1 PART CLEAN WASHED COARSE SAND
1 PART PEAT HUMUS
5 LBS. COMPOST PER CUBIC YARD OF MIX
MYCORRHIZAL INNOCUANT TO BE MYCOR TREE SAVER TRANSPLANT BY PLANT HEALTH CARE, INC. (1-800-421-9051) OR APPROVED EQUAL.
- TERRASSOBS AVAILABLE FROM PLANT HEALTH CARE, INC. OR APPROVED EQUAL
- SUBMIT CERTIFICATION OF PLANTING MIX FOR TREES AND SHRUBS FROM SOIL DISTRIBUTOR.
- TOPSOIL MIX SHALL INCLUDE:
3 PARTS SCREENED TOPSOIL
1 PART SAND
1 PART HUMUS
5 LBS. COMPOST PER CU. YD. OF MIX
- TOPSOIL:
A. PROVIDE A NATURAL, FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH OF UNIFORM COMPOSITION THROUGHOUT AND WITHOUT ADMIXTURES OF SUBSOIL, AND FREE OF STONES, LUMPS, PLANTS, ROOTS, STICKS OR OTHER EXTRANEIOUS MATTER.
B. TOPSOIL SHALL CONTAIN NOT LESS THAN 4% NOR MORE THAN 20% ORGANIC MATTER AS DETERMINED BY THE WET COMBUSTION METHOD.
C. MECHANICAL ANALYSIS

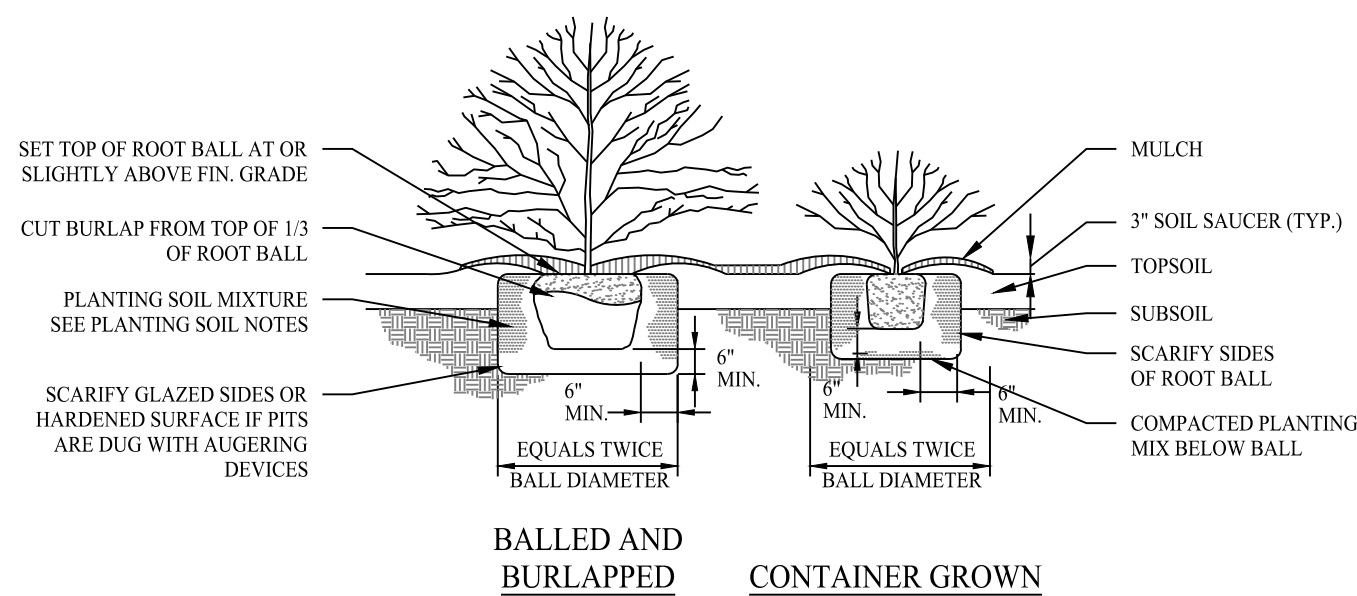
SCREEN SIZE	% BY WEIGHT PASSING
1"	100
1/4"	97 - 100
NO. 200	20 - 65

D. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL TESTING AND ANALYSIS OF EXISTING AND IMPORTED SOILS. FURNISH A SOIL ANALYSIS MADE BY A QUALIFIED INDEPENDENT SOIL - TESTING AGENCY STATING PERCENTAGES OF ORGANIC MATTER, INORGANIC MATTER (SILT, CLAY, AND SAND), DELETERIOUS MATERIAL, PH, AND MINERAL AND PLANT - NUTRIENT CONTENT OF TOPSOIL.
E. REPORT SUITABILITY OF TOPSOIL FOR LAWN AND SHRUB PLANTING GROWTH. RECOMMEND QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENT AND ANY LIMESTONE, ALUMINUM SULFATE, OR OTHER SOIL AMENDMENTS TO BE ADDED TO PRODUCE A SATISFACTORY TOPSOIL.



TREE PLANTING

SCALE: NTS



SHRUB / GROUNDCOVER PLANTING

SCALE: NTS

LEGEND

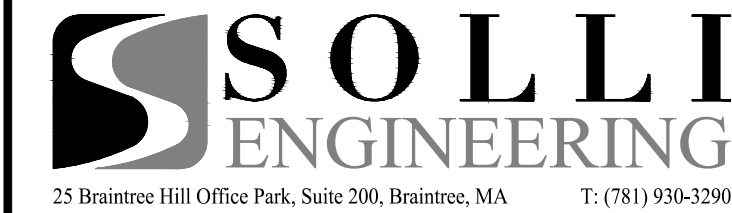
- OVERSTORY TREE
- FLOWERING UNDERSTORY TREE
- SHRUBS
- LAWN AREA
- SOD AREA
- NEW ENGLAND WETMIX
- WETLAND LIMIT LINE

PLANTING NOTES

- BE AWARE OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR PLANTING OPERATIONS. USE CARE TO PROTECT EXISTING UTILITIES FROM DAMAGE, CONTACT "DIG SAFE" PRIOR TO EXCAVATION.
- ALL PLANTINGS ARE TO BE INSTALLED BY A QUALIFIED LANDSCAPE CONTRACTOR.
- THE CONTRACTOR SHALL BE REQUIRED TO CARRY WORKMEN'S COMPENSATION INSURANCE AND COMPREHENSIVE GENERAL LIABILITY INSURANCE. CERTIFICATES WILL BE REQUIRED PRIOR TO SIGNING CONTRACTS.
- CONTRACTOR IS RESPONSIBLE FOR JOBSITE SAFETY. CONTRACTOR SHALL MAINTAIN A SAFE JOBSITE AT ALL TIMES.
- CONTRACTOR SHALL BE FAMILIAR WITH THE SITE VERIFY ALL DIMENSIONS, GRADES AND EXISTING CONDITIONS. REPORT ANY DISCREPANCIES TO LANDSCAPE DESIGNER.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES REQUIRED FOR COMPLETING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL EXCAVATED SOIL, BRUSH AND DEBRIS OFF-SITE IN A SAFE AND LEGAL MANNER.
- NOTIFY OWNER OR LANDSCAPE DESIGNER 72 HOURS MINIMUM IN ADVANCE OF STARTING PLANTING OPERATIONS. RECEIVE APPROVAL FOR LAYOUT OF ALL BED LINES AND MATERIAL LOCATIONS PRIOR TO INSTALLATION.
- PROTECT EXISTING VEGETATION TO REMAIN FROM DAMAGE DURING CONSTRUCTION. IT IS THE INTENT OF THIS CONTRACT TO AVOID ANY DISTURBANCE TO EXISTING VEGETATION ON THE SITE OTHER THAN THOSE SPECIFICALLY DESIGNATED FOR REMOVAL. ADJUSTMENTS SHALL BE MADE IN THE FIELD AT THE DIRECTION OF THE LANDSCAPE DESIGNER.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL PLANTING, SEEDING AND TREE WORK WITH OTHER TRADES. RESPECT OTHER TRADES WORK AT ALL TIMES.
- CONTRACTOR IS TO EXERCISE EXTREME CARE DURING THE COURSE OF DEMOLITION AND REMOVALS ANY DAMAGE TO EXISTING FACILITIES, UTILITIES OR TREES TO REMAIN SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE IN KIND.
- CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL AREAS DAMAGED TO PRE-EXISTING CONDITIONS AS A RESULT OF PLANTING OPERATIONS TO OWNERS AND/OR LANDSCAPE DESIGNER'S APPROVAL.
- VEGETATION TO BE REMOVED, NOT INDICATED ON PLAN, SHALL BE TAGGED IN FIELD BY LANDSCAPE DESIGNER.
- THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO REJECT INFERIOR PLANT MATERIALS AND SUBSTITUTIONS. THE LANDSCAPE DESIGNER IS WILLING TO MAKE TWO TRIPS TO SUPPLIERS TO TAG, REVIEW AND APPROVE MATERIALS. PREVIOUSLY UNAPPROVED MATERIALS MAY BE REJECTED AT THE SITE. MINIMALLY, ALL MATERIALS WILL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1 - 2004) OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN GOOD, HEALTHY AND FLOURISHING CONDITION FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. THE CONTRACTOR SHALL REPLACE, AS SOON AS WEATHER AND SEASONAL CONDITIONS PERMIT, ALL DEAD PLANTS AND ALL PLANTS NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY THE LANDSCAPE DESIGNER DURING, AND AT THE END OF THE GUARANTEE PERIOD. WARRANTY REPLACEMENT WILL BE PROVIDED AT NO COST TO THE OWNER AND INCLUDE MATERIALS AND LABOR. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE INCURRED DURING REPLACEMENT OF WARRANTY MATERIALS.
- WHEN THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES SHOWN ON THE PLANT LIST & THE PLAN, USE THE QUANTITIES FROM THE PLAN.
- PERENNIALS, GROUNDCOVERS & GRASSES TO BE FIELD LOCATED BY LANDSCAPE DESIGNER. COORDINATE TO NOTIFY LANDSCAPE DESIGNER AT LEAST 72 HOURS IN ADVANCE OF EXPECTED INSTALLATION DATE. ON THAT DATE ALL BEDS SHALL BE PREPARED & ALL PLANT MATERIAL SHALL BE ON SITE.
- PROVIDE A MINIMUM 6" TOPSOIL FOR ALL DISTURBED AREAS. SUBMIT SAMPLE OF TOPSOIL AND SOIL TEST RESULTS FOR LANDSCAPE DESIGNER APPROVAL PRIOR TO DELIVERING TO SITE.
- MULCH ALL BEDS SHOWN AS CONTINUOUS WITH A 3" MINIMUM OF DOUBLE SHREDDDED CEDAR BARK MULCH. SAMPLE TO BE SUBMITTED TO LANDSCAPE DESIGNER FOR APPROVAL.
- ALL PLANT MATERIALS TO BE SOURCED FROM LOCALLY GROWN GROWERS.
- TRANSPLANTED MATERIALS TO BE WATERED, HEELED IN AND TENDED BY CONTRACTOR UNTIL FINAL PLACEMENT.
- HUTTON TEAM, LLC WILL OWN AND MAINTAIN ALL PROPOSED PLANTINGS.

2	01/21/19	Revised per Architect Comments
1	10/12/18	Revised per O'Reilly Comments
Rev. #:	Date	Description

Graphic Scale:



Drawn By: MFB

Checked By: DRR

Approved By: KMS

Project #: 1802201

Plan Date: 10/01/18

Scale: 1" = 20'

Project:



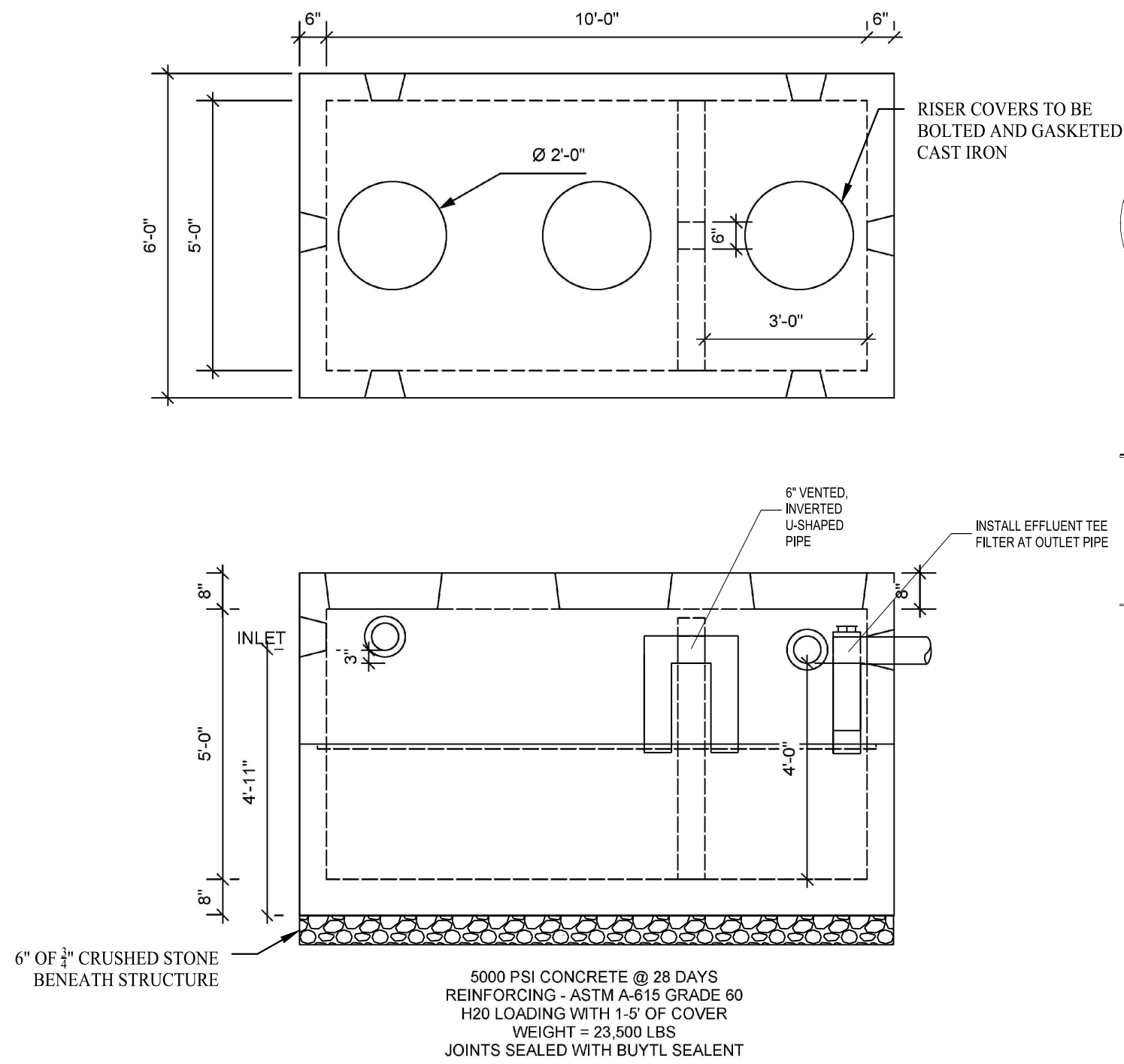
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

Sheet Title:

LANDSCAPE
PLAN

Sheet #:

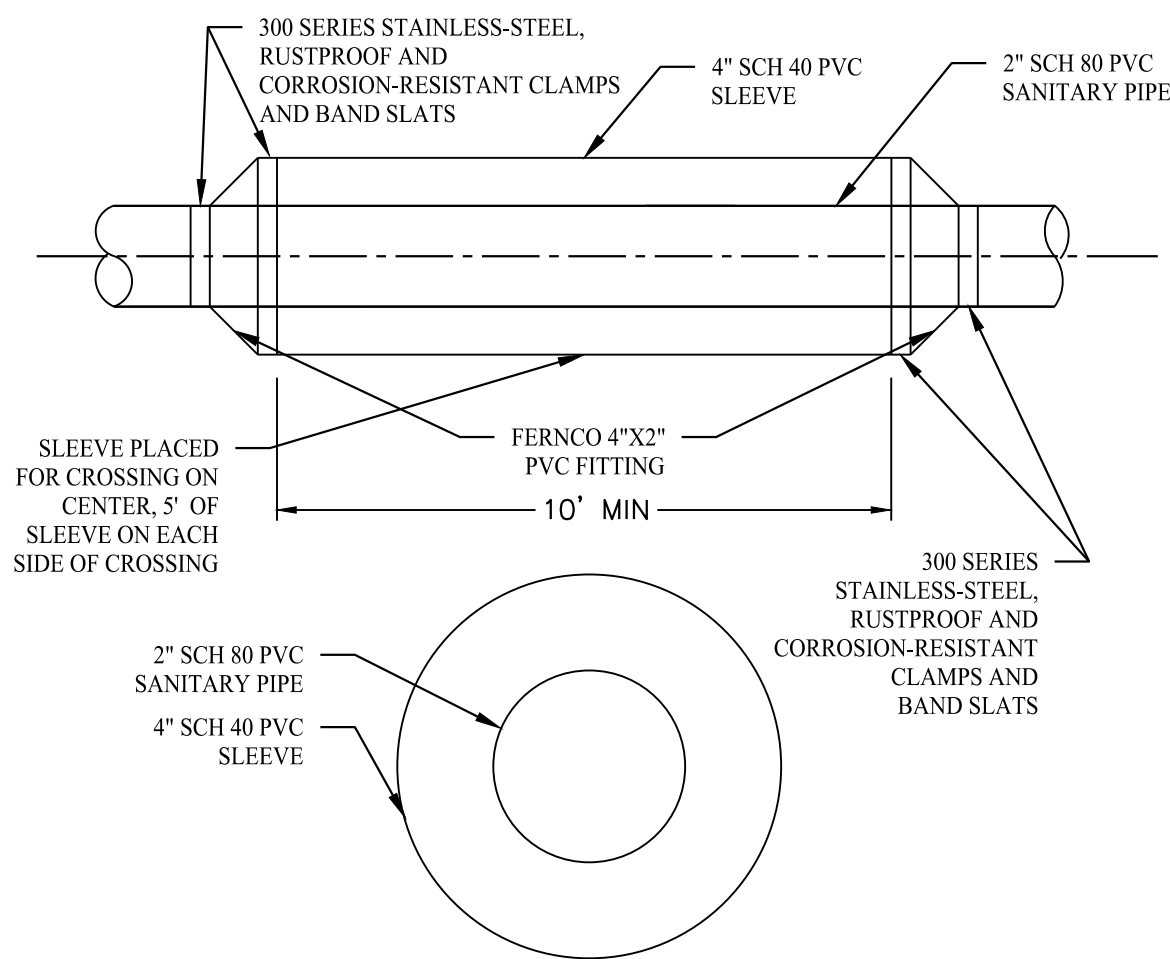
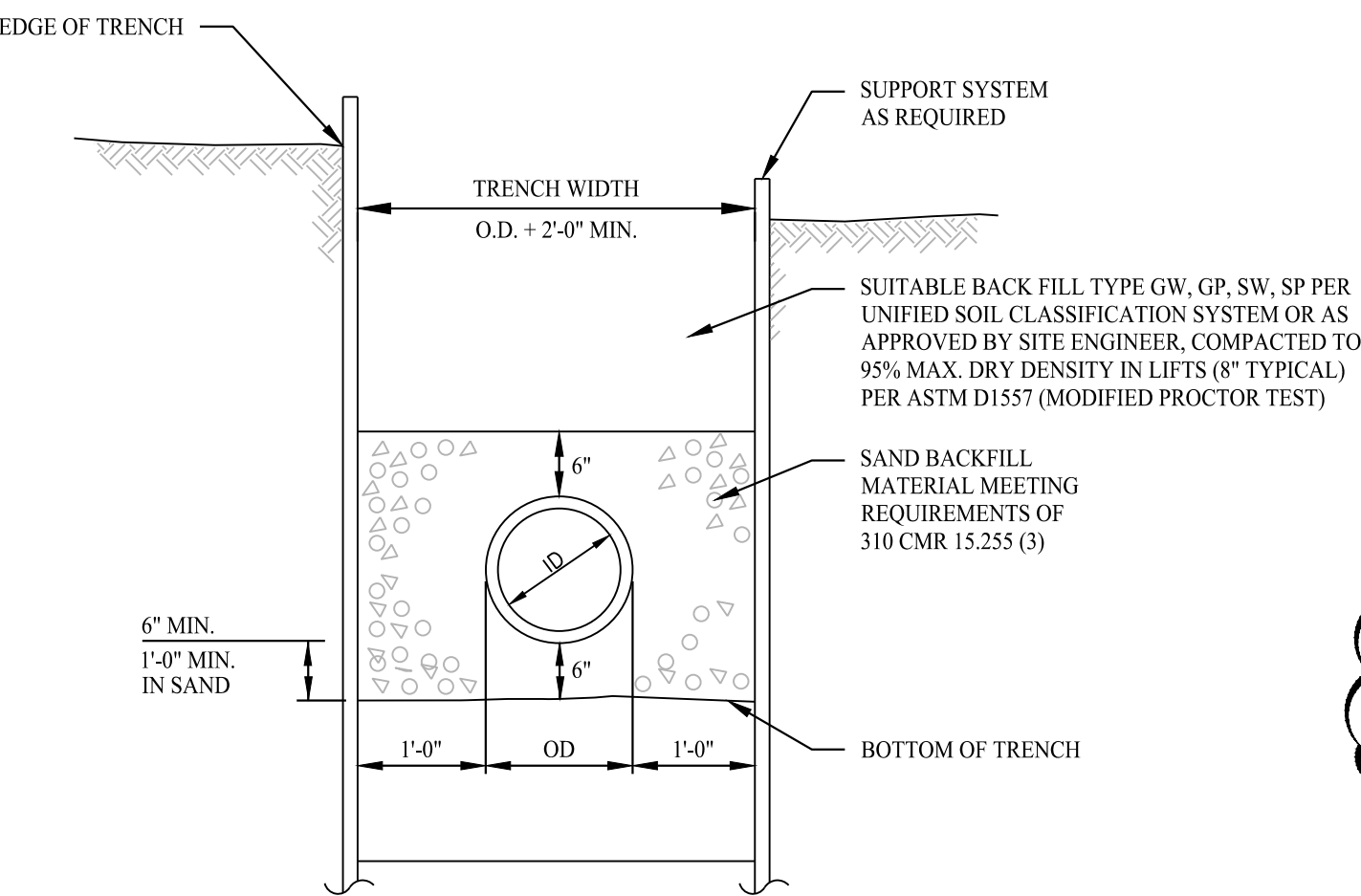
2.61



EFFLUENT TEE FILTER

SCALE: NTS

DETAIL PROVIDED BY POLYLOK, INC. (OR APPROVED EQUAL)



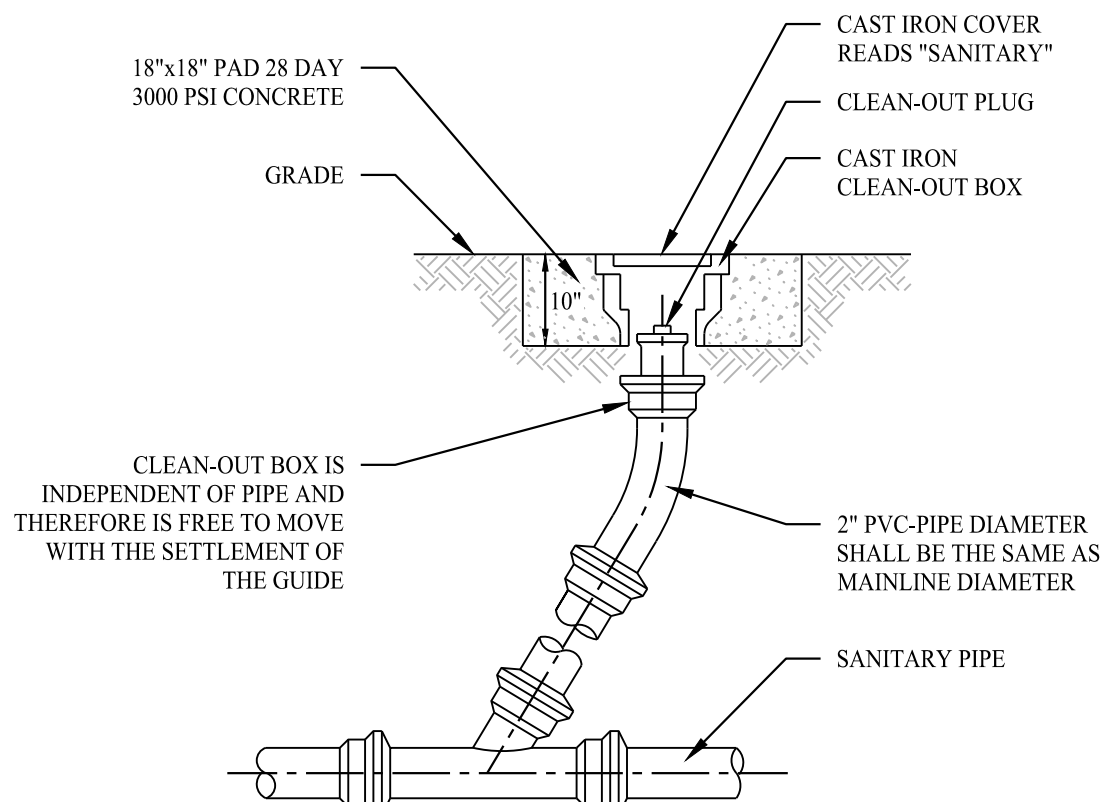
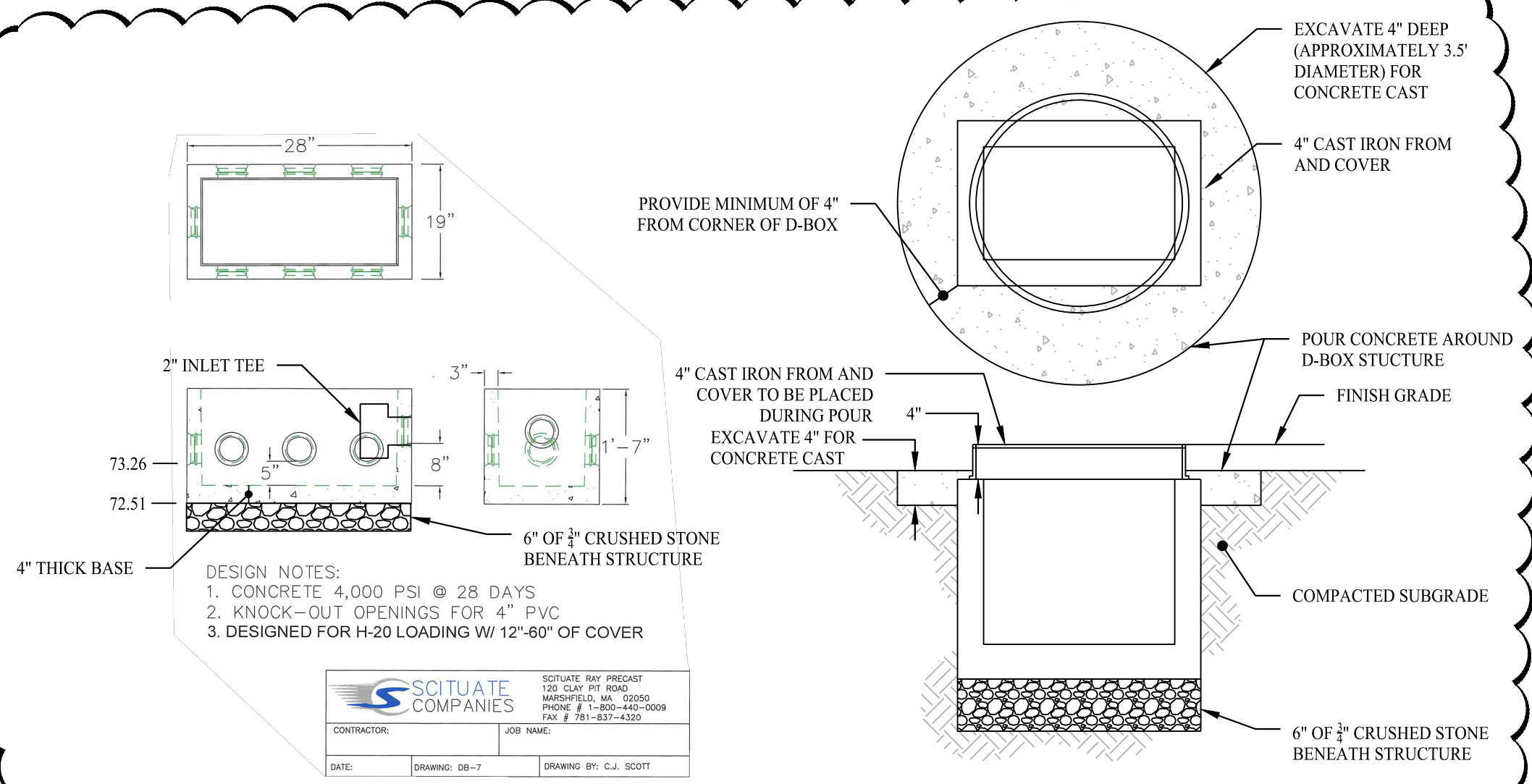
SEWER FORCE MAIN SLEEVE

SCALE: NTS

LEGEND

- 6" DIA. PRECAST PUMP STATION STRUCTURE.
- 6" DIA. PRECAST PUMP STATION SHIMS, 1", 2", 3", 4", 5" & 6" HEIGHTS AS NEEDED.
- SUBMERSIBLE EFFLUENT PUMPS HOMA 2" DISCHARGE MODEL TP30M24/2/3.
- THE CONTROL PANEL SHALL BE ITT-CENTRIPRO MODEL A6-2012 LOCATED IN BUILDING.
- 2" PVC SCH 80 DISCHARGE PIPING WITH PVC SCH 80 FITTINGS.
- 2" DUPLEX DISCHARGE KIT SUPPLIED BY HOMA.
- 1 1/2" STAINLESS STEEL PUMP REMOVAL GUIDE RAILS MODEL A10-2015 AS SUPPLIED BY CENTRIPRO.
- 4" INLET PIPE.**
- 2'-8" X 3'-8" ALUMINUM PUMP ACCESS HATCH, QUALIFIED FOR HS 20 LOAD.
- ADJUSTABLE POLYPROPYLENE LEVEL CONTROL FLOAT SWITCHES.
- LINK SEAL (FOR EACH PIPE LEAVING OR ENTERING MANHOLE AND VALVE VAULT).
- 2" PVC SCH 80 DISCHARGE PIPING WITH PVC SCH 80 FITTINGS.

**EDGE OF INLET PIPE CAN BE NO CLOSER THAN 8" FROM A STRUCTURAL JOINT



CLEANOUT DETAIL IN PAVED AREAS

SCALE: NTS

PUMP CALCULATIONS

Halifax, MA - Proposed O'Reilly Auto Parts Pump Station Computations

Flow Computations

Total Design Flow, Q	120	GPD
Doses per Day, C	3	Doses/Day
Volume per Dose, V	40.00	Gallons
$V = Q/C$	5.35	CF

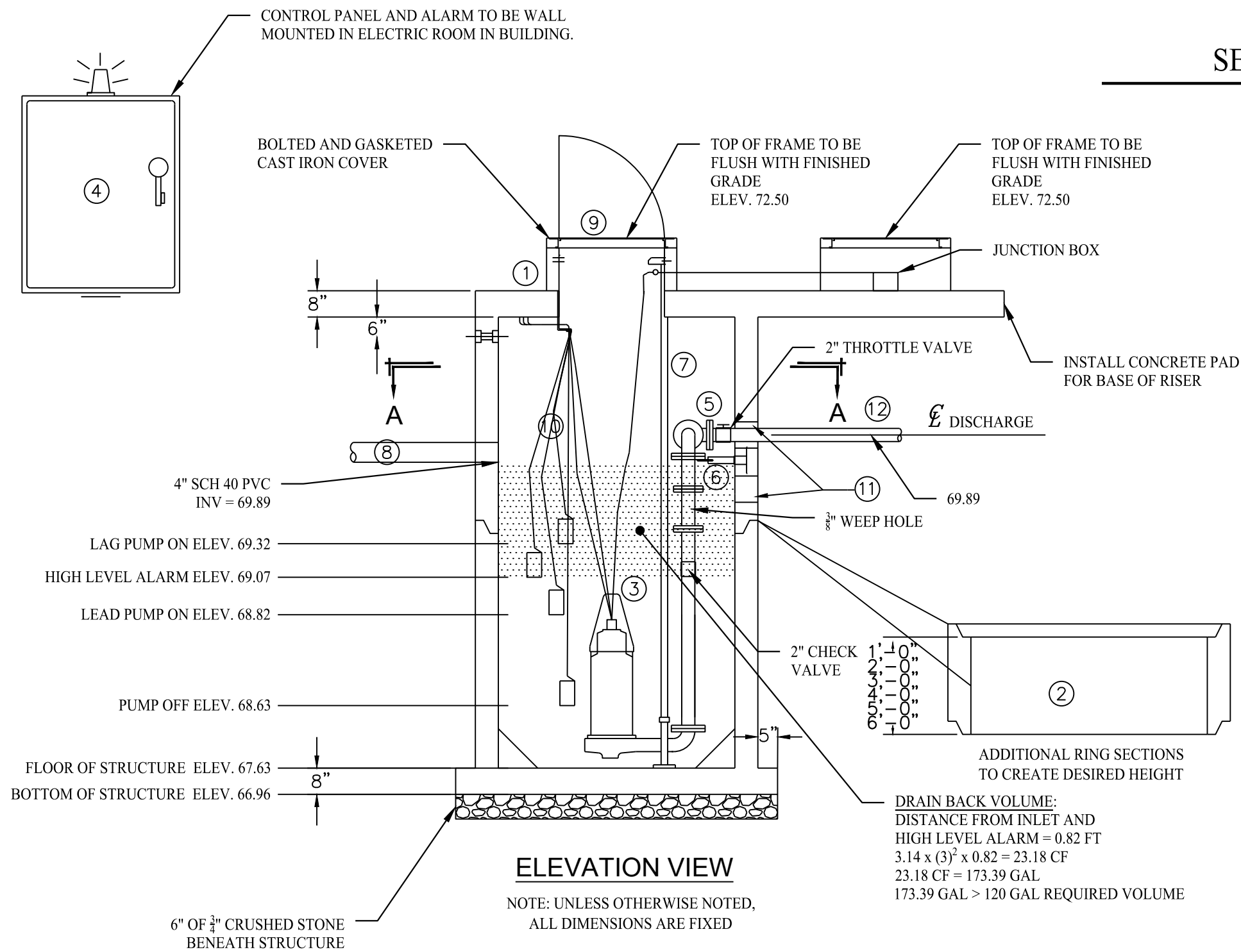
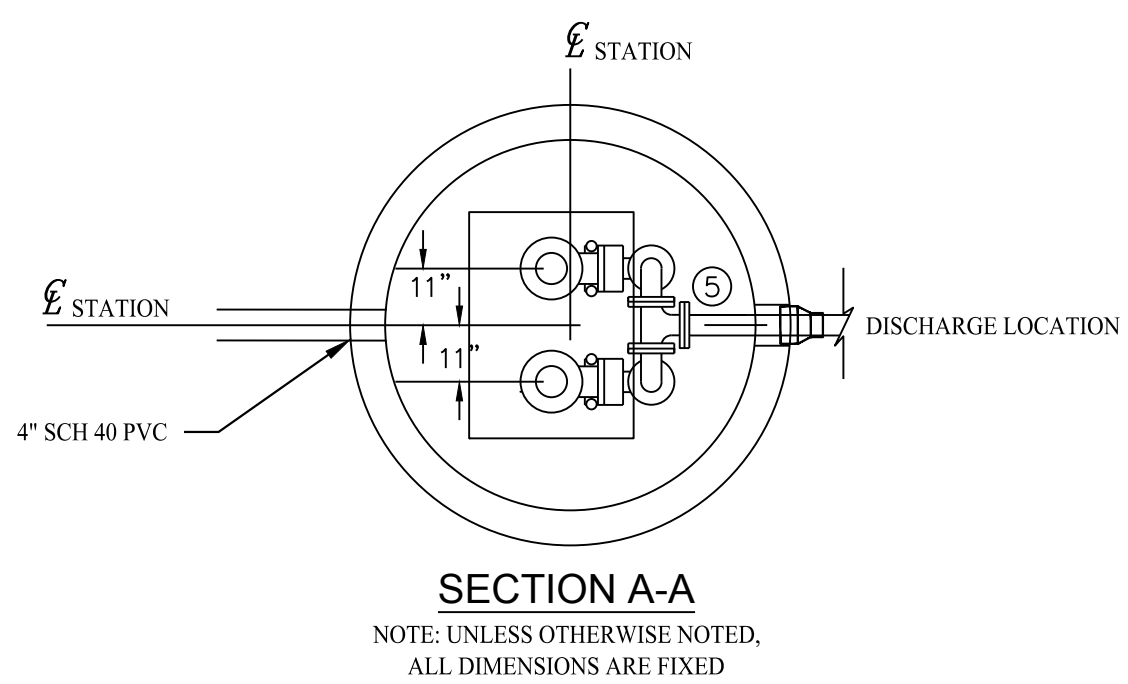
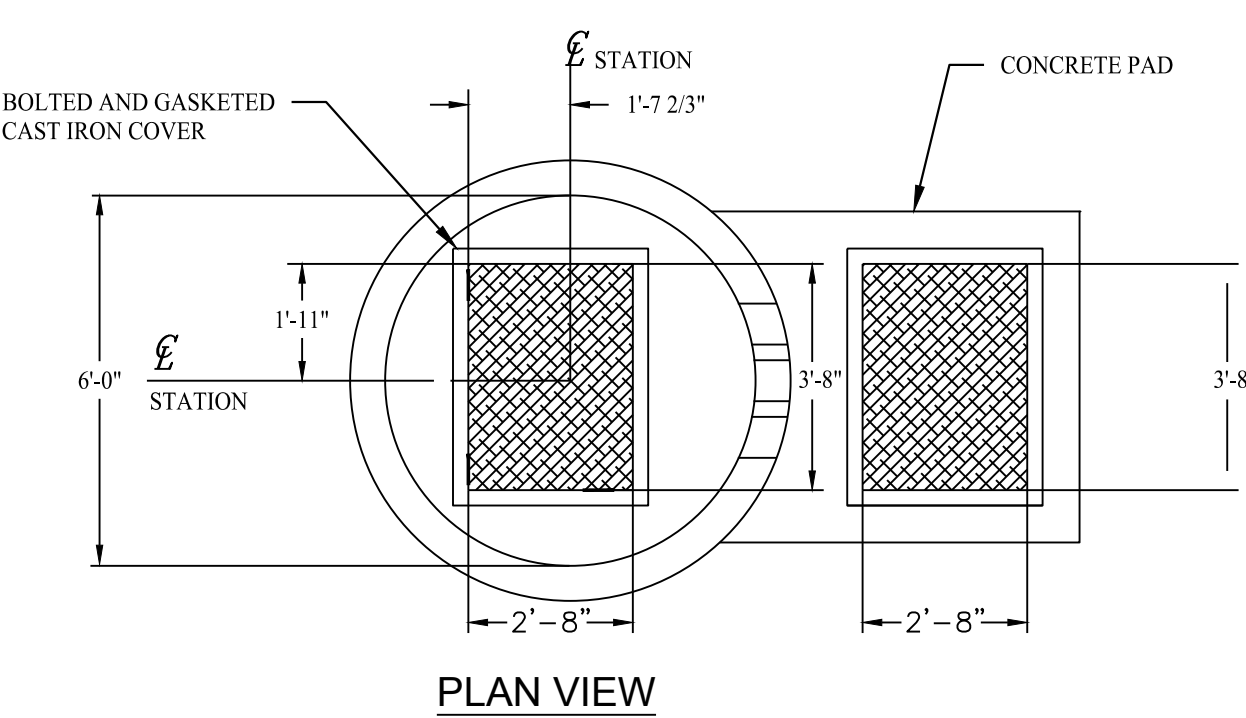
Pump Characteristics

Diameter of Pump Station, Dia.	6	FT
Inside Area of Pump Station, A	28.27	SF
Freeboard, FB	1	FT
Distance between LIE and Lag Sump	1	FT
Distance between PO and FS	8	IN
Thickness of Structure Bottom, Thickness	8	IN

Elevation Data

Height of Dose, H ₀	0.19	FT
$H_0 = D_{CF}/A$		

Distance from LIE (FT)	Elevation (FT)
N/A	72.50
0	69.89
0.57	69.32
0.82	69.07
1.07	68.82
1.26	68.63
Off = LIE - (Lead + H ₀)	
Floor of Structure, FS	2.26
FS = LIE - (Off + FB)	
Bottom of Structure, BS	2.93
BS = LIE - (FS + Thickness)	
Total Height of Structure	5.54



6' DIAMETER H-20 MONOLITHIC MANHOLE DUPLEX PUMP STATION

SCALE: NTS

5	10/12/20	Construction Revision #2
4	04/28/20	Construction Revision #1
3	08/16/19	Board of Health Comments (Rev. #5)
2	04/23/19	Board of Health Comments
1	04/10/19	Board of Health Comments
Rev. #:	Date	Description

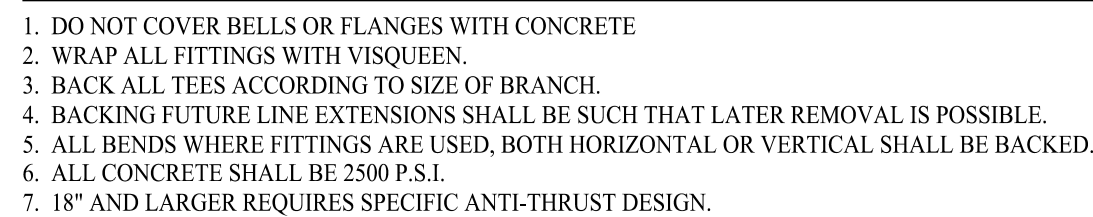


Drawn By: CJP
Checked By: CJB
Approved By: KMS
Project #: 1802201
Plan Date: 10/01/18
Scale: NTS

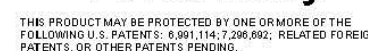


Project: O'Reilly AUTO PARTS
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

Sheet Title: DETAIL SHEET
Sheet #: 3.03

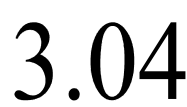


SCALE: NTS



CONTECH
ENGINEERED SOLUTIONS LLC
www.ContechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

DETAIL PROVIDED BY CONTECH



Deep Observation Hole Number: 1											
Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
20	FILL		30								
26	A	10YR3/3				SL			FRI		
36	B	10YR 5/6				LS			FRI		
52	C	2.5Y 5/4				LOAMY SAND			WET		
128	C2	2.5Y6/3				MED SAND			WET		
Additional Notes:											

TEST HOLE #1

Deep Observation Hole Number: 2											
Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
20	FILL		30								
26	A	10YR3/3				SL			FRI		
36	B	10YR 5/6				LS			FRI		
52	C	2.5Y 5/4				LOAMY SAND			WET		
128	C2	2.5Y6/3				MED SAND			WET		
Additional Notes:											

TEST HOLE #2

Deep Observation Hole Number: 3											
Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
20	FILL		30								
26	A	10YR3/3				SL			FRI		
36	B	10YR 5/6				LS			FRI		
52	C	2.5Y 5/4				LOAMY SAND			WET		
128	C2	2.5Y6/3				MED SAND			WET		
Additional Notes:											

TEST HOLE #3

Deep Observation Hole Number: 4											
Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
50	FILL		30								
56	A	10YR3/3				SL			FRI		
70	B	10YR 5/6				LS			FRI		
120	C	2.5Y 5/4				LOAMY SAND			WET		
Additional Notes:											

TEST HOLE #4

Deep Observation Hole Number: 5											
Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
36	FILL		30								
40	A	10YR3/3				SL			FRI		
48	B	10YR 5/6				LS			FRI		
122	C	2.5Y 5/4				LOAMY SAND			WET		
Additional Notes:											

TEST HOLE #5

TEST HOLE INFORMATION

TESTING PERFORMED BY JOSEPH WEBBY (SE #2564) ON DECEMBER 5, 2018.

A. Site Information

Owner Name
330 PLYMOUTH STREET
Street Address or Lot #
HALIFAX
City/Town

MA
State
02338
Zip Code

Contact Person (if different from Owner)
Telephone Number

B. Test Results

12-05-18
Date
1

AM
Time

12-05-18
Date
2

Time

Observation Hole #
1

Depth of Perc
60"

Start Pre-Soak
8:53

End Pre-Soak
9:08

Time at 12"
9:08

Time at 9"
9:32

Time at 6"
9:50

Time (9"-6")
13

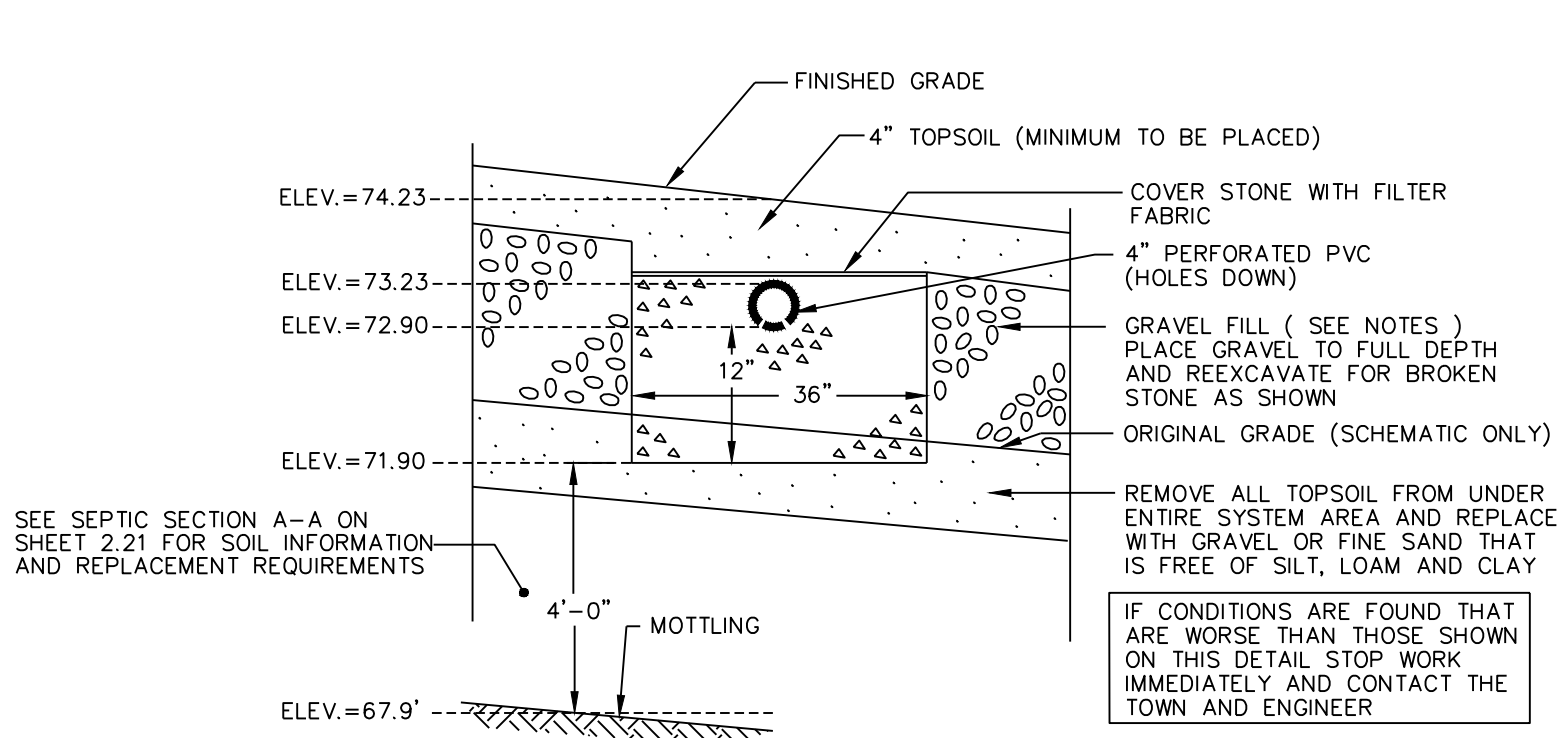
Rate (Min./Inch)
5 MIN

Test Passed:
Test Failed:

Test Passed:
Test Failed:

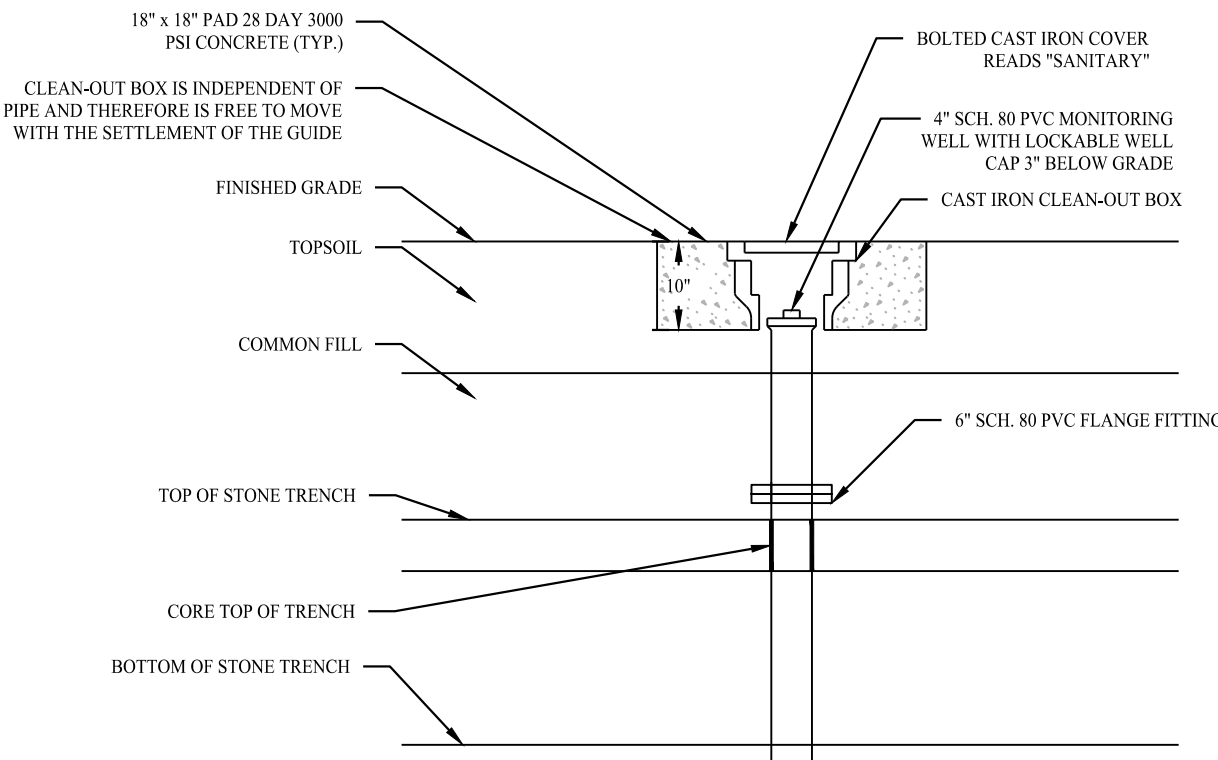
JOSEPH WEBBY SE 2564
Test Performed By
CATHY ORINAN
Witnessed By

Comments:
HALIFAX SUPPLEMENTARY REGULATIONS FOR DE-WATERED PERC TESTS REQUIRE THAT LTR OF 0.33 BE USED



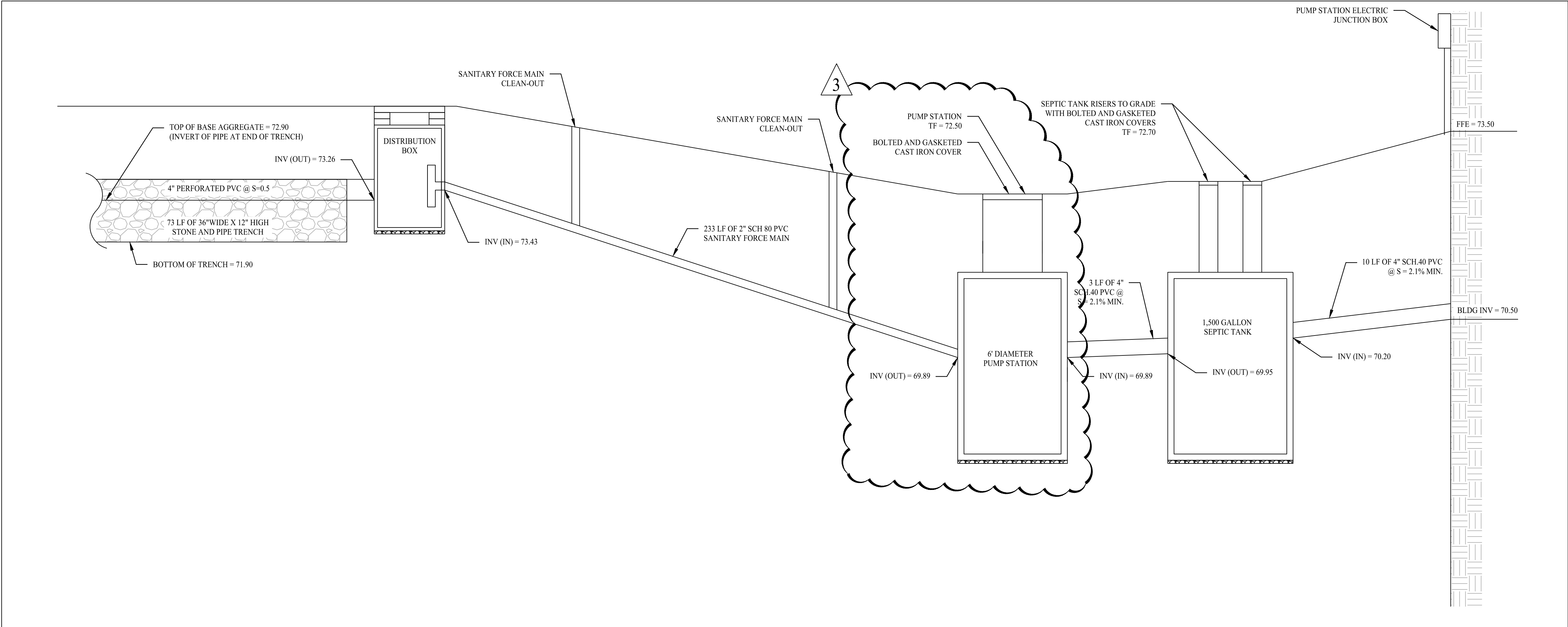
TYPICAL LEACHING TRENCH DETAIL

SCALE: NTS



SANITARY INSPECTION PORT DETAIL

SCALE: NTS



SEPTIC SYSTEM HYDRAULIC PROFILE

SCALE: NTS

3

04/28/20

Construction Revision #1

2

08/16/19

Board of Health Comments (Rev. #5)

1

04/23/19

Board of Health Comments

Rev. #:

Date

Description

SOLLI
ENGINEERING

25 Braintree Hill Office Park, Suite 200, Braintree, MA T: (781) 930-3290

Drawn By: CJP

Checked By: CJB

Approved By: KMS

Project #: 1802201

Plan Date: 04/10/19

Scale: NTS

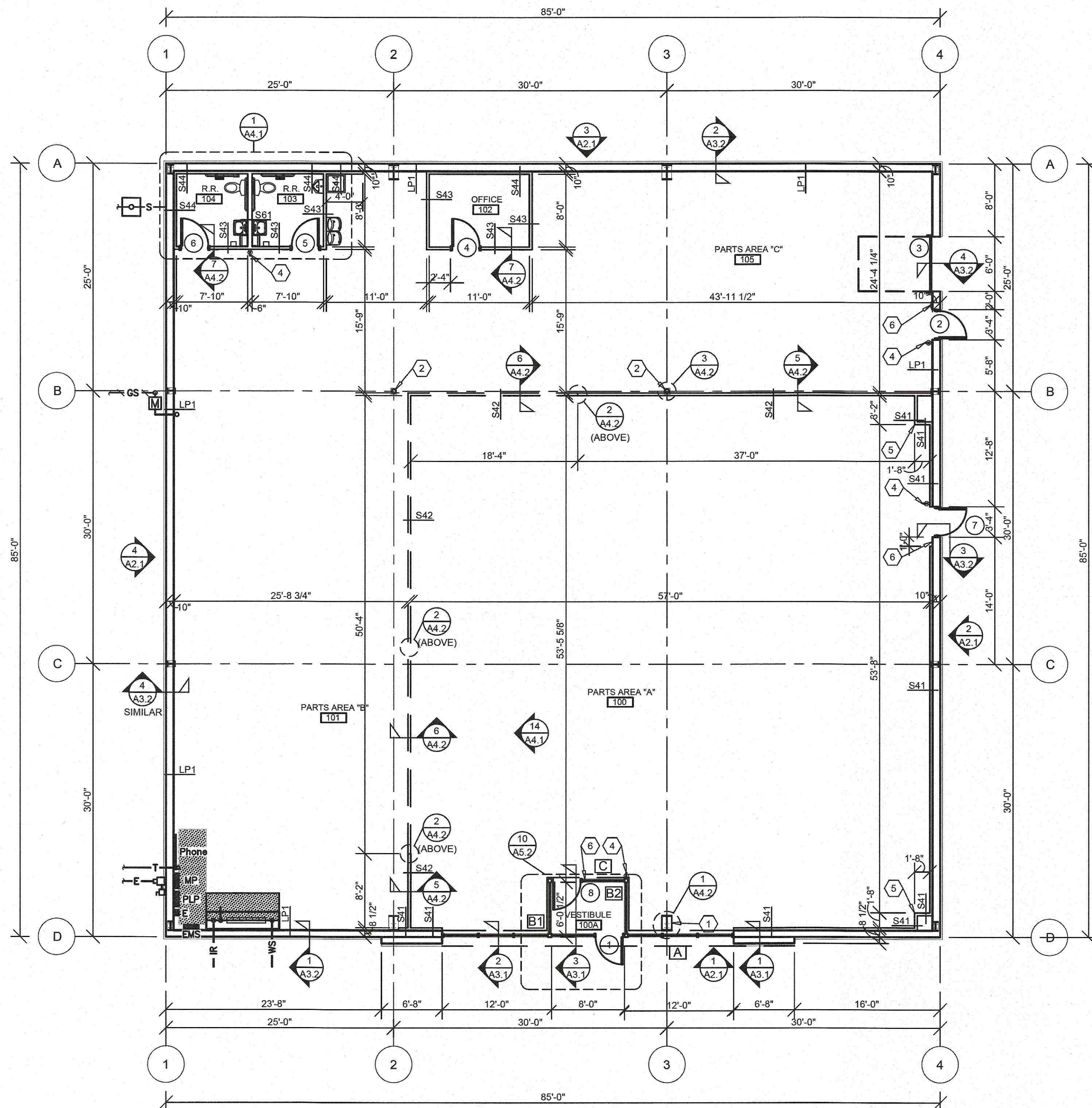
COMMONWEALTH OF MASSACHUSETTS
KEVIN M. SOLLI
CIVIL
REGISTERED
PROFESSIONAL ENGINEER
Kevin Solli, P.E.
MA 51952

O'Reilly
AUTO PARTS
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

Sheet Title:
DETAIL SHEET

Sheet #:
3.05

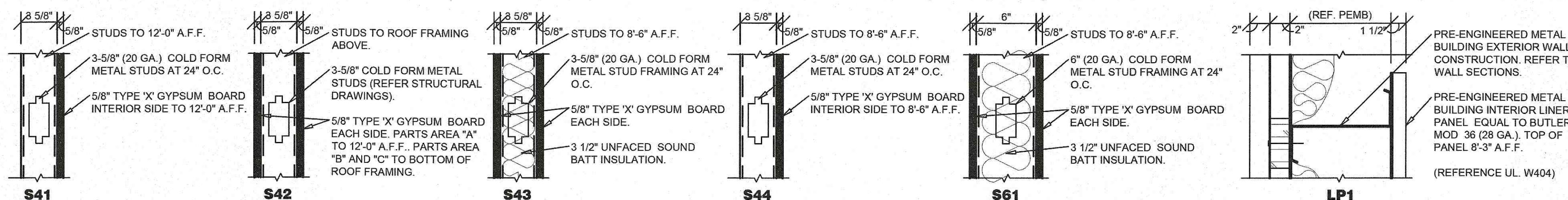
Jun 14, 2021 - 12:44pm Casey
X:\SE Files\Project Data\2018\1802201 - 330 Plymouth Street, Halifax, MA\Good Data\1802201-3.05.dwg



1 FLOOR PLAN
A1.1 SCALE: 1/8" = 1'-0"

INTERIOR WALL TYPES

(SCALE 1 1/2" = 1'-0")



GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- ALL DIMENSIONS TO ROUGH FACE OF ROUGH FRAMING, CONCRETE, MASONRY OR CENTERLINE OF STRUCTURE, UNLESS OTHERWISE NOTED. COLD FORM METAL STUD INTERIOR PARTITION DIMENSIONS 3-5/8" UNLESS OTHERWISE INDICATED AND NOT SHOWN FOR CLARITY.
- REFER TO EXTERIOR AND INTERIOR FINISH SCHEDULES FOR ADDITIONAL REQUIREMENTS.
- REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS. NOTIFY ARCHITECT IF FINAL DESIGN CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.

KEY NOTES

- CONCEALED STEEL COLUMN, REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS. PROVIDE SHEET METAL COVER WITH NO EXPOSED HORIZONTAL SEAMS. FINISH TO MATCH WINDOW FRAMING.
- EXPOSED STEEL COLUMN, REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS. (PAINT W-3, REFER INTERIOR FINISH SCHEDULE).
- (NOT USED)
- SURFACE MOUNTED PORTABLE FIRE EXTINGUISHER, REFER TO DETAIL 10/A4.2.
- SHOWROOM CORNER WALL BOX OUT. INSTALL 5/8" FIRE TREATED PLYWOOD BACKING TO BACK SIDE OF STUD INTERIOR FLANGE ON EACH EXPOSED WALL FACE FROM 8'-0" TO 10'-0" A.F.F. FOR INSTALLATION OF SECURITY MIRRORS. REFER TO 4/A4.2 (TYPICAL).
- TACTILE EXIT SIGN AT EXIT DISCHARGE DOOR STATING "EXIT" WITH BRAILLE LETTERING. SIGN TYPE TO COMPLY WITH ANSI A117.1 AND MOUNTED AT 60" A.F.F. TO CENTERLINE.

INTERIOR WALL & CEILING NOTES

- GENERAL:
 - REFER TO FINISH SCHEDULES FOR ADDITIONAL WALL FINISH MATERIAL APPLICATIONS.
 - REFER TO WALL SECTIONS AND DETAILS FOR ADDITIONAL CONDITIONS.
- FRAMING:
 - PROVIDE FIRE TREATED 2X BLOCKING AS REQUIRED FOR INSTALLATION OF ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE DIAGONAL WALL BRACING (3" X 16 GA. FLAT STRIP) AT CORNER FACES OF FREE STANDING PARTITION SYSTEMS.
 - WHERE WALL FRAMING EXTENDS TO BOTTOM OF ROOF DECK OR STRUCTURE, PROVIDE DEFLECTION CHANNELS AT TOP TRACK FOR 1 1/2" MINIMUM DEFLECTION.
 - REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL STUD REQUIREMENTS.
 - REFER TO WINDOW AND DOOR HEAD, JAMB AND SILL DETAILS FOR ADDITIONAL FRAMING REQUIREMENTS.
 - PROVIDE HORIZONTAL STUD BRIDGING AT 4'-0" O.C. VERTICAL.
- GYPSUM AND BACKING BOARD:
 - EXPANSION/CONTROL JOINTS: INSTALL EXPANSION/CONTROL JOINTS IN CEILINGS EXCEEDING 2500 SQ. FT. IN AREA AND IN PARTITION WALL LENGTHS EXCEEDING 30 FEET. DO NOT EXCEED A DISTANCE OF 50 FEET IN ANY DIRECTION BETWEEN CEILING JOINTS. INSTALL CONTROL JOINTS WHERE FRAMING OR FURRING CHANGES DIRECTION.
- INSULATION:
 - INSULATION SHALL HAVE A FLAME SPREAD RATING OF 0-25 AND A SMOKE DEVELOPMENT RATING OF 0-450.
 - PROVIDE SEALANT ON BOTH SIDES OF STUD BOTTOM TRACKS AT ACOUSTICAL INSULATED WALL LOCATIONS.
- FIRE STOPPING:
 - PROVIDE FIRE STOPPING AND FIRE SEALANT MATERIALS AS REQUIRED AT ALL FIRE RATED ASSEMBLY TRANSITIONS, PENETRATIONS, AND PERIMETER CONDITIONS. RATING TO BE EQUAL TO RATED ASSEMBLY.

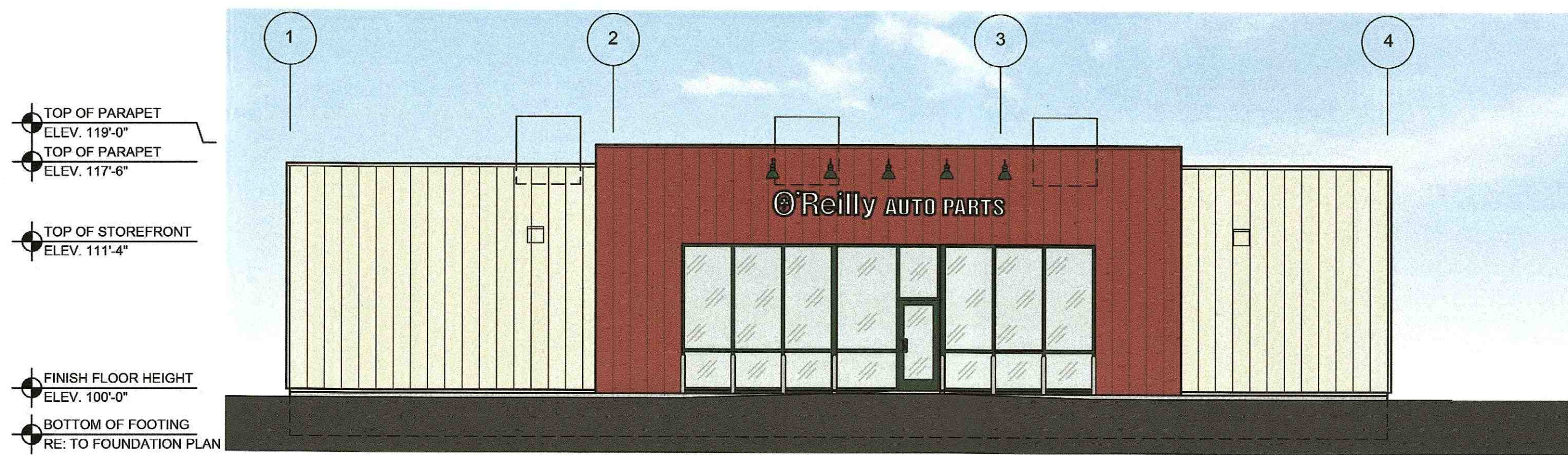


O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 882-2674 TELEPHONE

PROJECT:
NEW O'REILLY AUTO PARTS STORE
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS
FLOOR PLAN

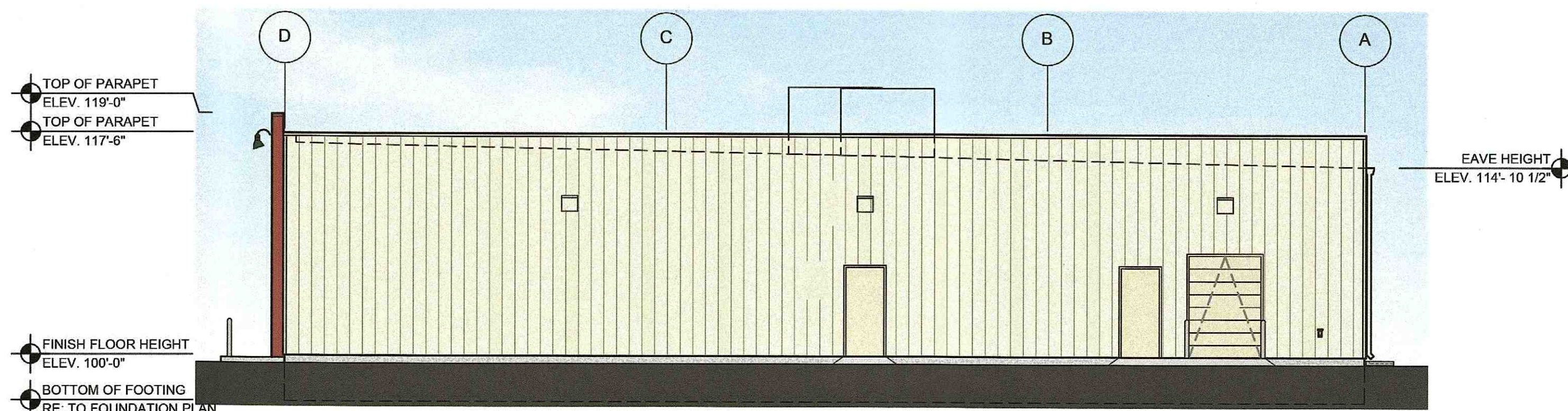
Buddy Webb, NCARB, AIA
Architect - Consultant
3057 EAST CAIRO
SPRINGFIELD, MISSOURI 65802
(417) 877-1385 TELEPHONE
(417) 877-9736 FAX

DRAWN BY: **EW** CHECKED BY: **RV**
DATE: **02/07/19**
REVISION:
PROJECT NUMBER: **HFX**
SHEET NUMBER: **A1.1**



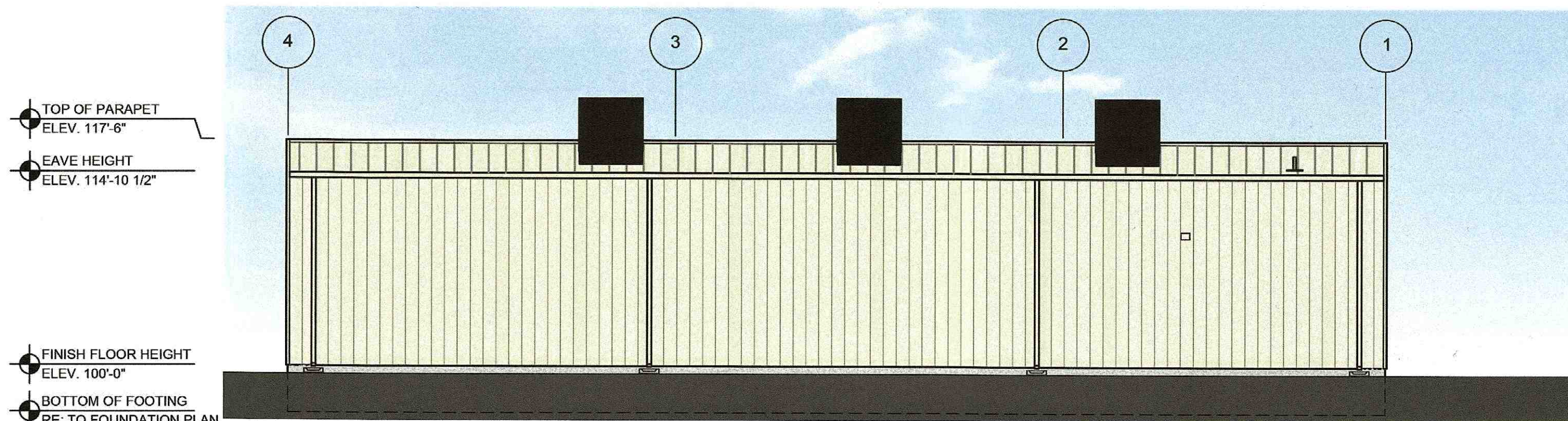
1 FRONT EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"



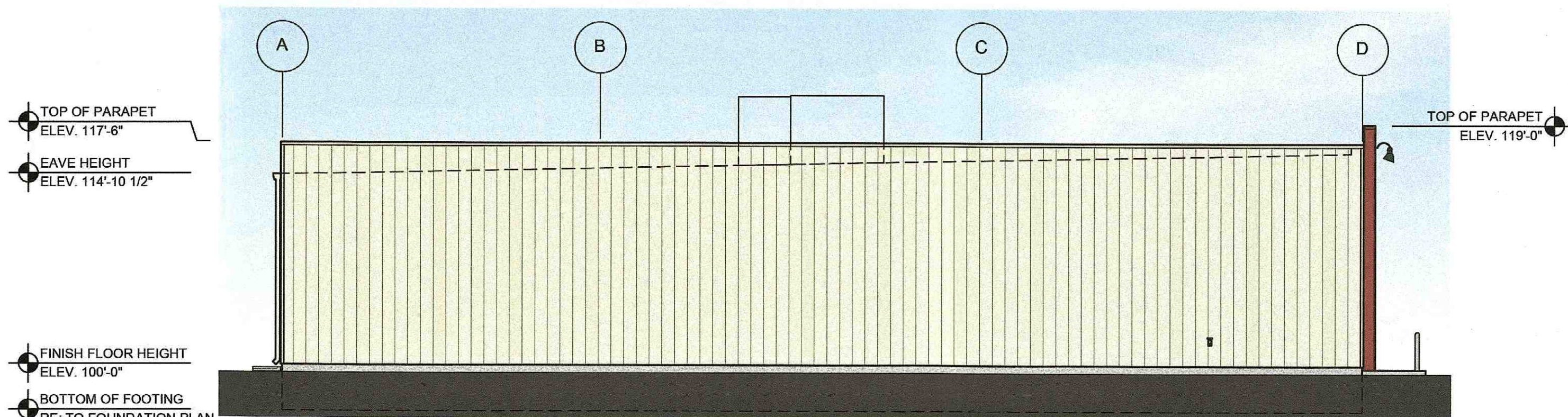
2 RIGHT EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"



3 REAR EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"



4 LEFT EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

PRE-ENGINEERED METAL BUILDING WALL PANEL SYSTEMS

KEY NOTE NO. 1:
TYPE: EXTERIOR WALL PANEL (TYPE 1)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
SERIES: EQUAL TO BUTLER BUILDING "eSTYLWALL"
FINISH: PREFINISHED
COLOR: EQUAL TO SHERWIN WILLIAMS "POSITIVE RED" SW6871 GLOSS

KEY NOTE NO. 2:
TYPE: EXTERIOR WALL PANEL (TYPE 2)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
SERIES: EQUAL TO BUTLER BUILDING "eSTYLWALL"
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

FLASHING AND SHEET METAL

KEY NOTE NO. 4:
TYPE: STANDING SEAM ROOFING SYSTEM
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
COLOR: GALVALUME

KEY NOTE NO. 5:
TYPE: CAP FLASHING AT WALL PANELS (TYPE 2)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

KEY NOTE NO. 6:
TYPE: CAP FLASHING AT WALL PANELS (TYPE 1)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: SHERWIN WILLIAMS "POSITIVE RED" SW6871 (SHER-CRYL) GLOSS
WITH SHERWIN WILLIAMS THREE COMPONENT (B65T105 / B65V105 / B65C105) CLEAR URETHANE

KEY NOTE NO. 7:
TYPE: WALL PANEL TRIM
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

KEY NOTE NO. 8:
TYPE: GUTTER AND DOWNSPOUTS
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

KEY NOTE NO. 9:
TYPE: DOOR TRIM
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

DOORS AND WINDOWS

KEY NOTE NO. 13:
TYPE: STEEL DOORS AND FRAMES (DOORS NO. 2 AND 7)
MFG: (OWNER FURNISHED / CONTRACTOR INSTALLED)
FINISH: FACTORY PRIMED AND FIELD PAINTED
COLOR: SHERWIN WILLIAMS (MATCH ADJACENT PANEL COLOR) (SEMI-GLOSS)

KEY NOTE NO. 14:
TYPE: SECTIONAL OVERHEAD DOOR (DOOR NO. 3)
MFG: (REFER PROJECT MANUAL)
FINISH: FACTORY PRIMED AND FIELD PAINTED
COLOR: SHERWIN WILLIAMS (MATCH ADJACENT PANEL COLOR) (SEMI-GLOSS)

KEY NOTE NO. 16:
TYPE: (REFER TO WINDOW SCHEDULE)
MFG: EFCO, KAWNEER, OR OLD CASTLE (VISTA WALL). (NO SUBSTITUTES)
FINISH: PREFINISHED
COLOR: EFCO "IVY", KAWNEER "DARK IVY", VISTA WALL "INTERSTATE GREEN"

PAINTING

KEY NOTE NO. 18:
TYPE: STEEL BOLLARDS (REFER TO CIVIL DRAWINGS)
FINISH: FIELD PRIMED AND PAINTED
COLOR: SHERWIN WILLIAMS "HUNT CLUB" SW6468 (SEMI-GLOSS)

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (C) REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SYSTEM TYPES AND ADDITIONAL REQUIREMENTS.
- (D) REFER TO EXTERIOR FINISH SCHEDULE FOR MATERIAL TYPES.
- (E) REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (F) REFER TO SCOPE OF WORK SCHEDULE FOR ADDITIONAL REQUIREMENTS.

KEY NOTES

- (1) PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM (TYPE 1).
- (2) PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM (TYPE 2).
- (3) (NOT USED).
- (4) PRE-ENGINEERED METAL BUILDING SHEET METAL ROOFING SYSTEM.
- (5) PRE-ENGINEERED METAL BUILDING SHEET METAL FLASHING WITH 3" VERTICAL FACE. (AT TYPE 2 WALL PANELS).
- (6) PRE-ENGINEERED METAL BUILDING SHEET METAL FLASHING WITH 3" VERTICAL FACE (AT TYPE 1 WALL PANELS).
- (7) PRE-ENGINEERED METAL BUILDING SHEET METAL WALL PANEL TRIM.
- (8) PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTER AND DOWNSPOUT SYSTEM.
- (9) PRE-ENGINEERED METAL BUILDING SHEET METAL DOOR TRIM.
- (10) LINE OF ROOF BEYOND WITH 1/4":12" SLOPE MINIMUM
- (11) SURFACE MOUNTED SIGN OWNER FURNISHED AND INSTALLED. PROVIDE BACKING FOR MOUNTING AND ROUGH-IN ELECTRICAL COORDINATE REQUIREMENTS WITH OWNER. REFER TO SHEET SG2.1.
- (12) BUILDING ADDRESS NUMBERS IN 6" HIGH HELVETICA WHITE VINYL ADHERED TO EXTERIOR FACE OF GLAZING.
- (13) EXTERIOR DOOR AND FRAME SYSTEM. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPES.
- (14) EXTERIOR WINDOW SYSTEM. REFER TO FLOOR PLAN AND WINDOW SCHEDULE FOR TYPES.
- (15) APPROXIMATE LINE OF FOUNDATION, REFER TO STRUCTURAL DRAWINGS.
- (16) STEEL BOLLARDS, REFER TO CIVIL AND STRUCTURAL DRAWINGS.
- (17) HOSE BIB, REFER TO PLUMBING DRAWINGS.
- (18) LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- (19) (NOT USED).
- (20) MECHANICAL ROOF TOP UNIT, REFER TO MECHANICAL DRAWINGS.
- (21) MECHANICAL WALL PENETRATIONS, REFER TO MECHANICAL DRAWINGS. PROVIDE FRAMING, FLASHING, AND SEALANT AS REQUIRED. INSTALL RESTROOM EXHAUST FANS 12" MINIMUM ABOVE INTERIOR CEILING FRAMING.
- (22) PLUMBING ROOF VENT, REFER TO PLUMBING DRAWINGS AND DETAIL 11/A4.2.
- (23) CONCRETE SPLASH BLOCK INSTALL AT EACH DOWNSPOUT.

INDIVIDUAL ARCHITECTURAL
REGISTRATION NO.:
31777



SHEETS BEARING THIS SEAL ARE
AUTHENTICATED. RESPONSIBILITY FOR
ALL OTHER PLANS, SPECIFICATIONS
OR INSTRUMENTS ARE DISCLAIMED.

O'Reilly AUTO PARTS
CORPORATE OFFICES
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS
(417) 862-2674 TELEPHONE

PROJECT:
NEW O'REILLY AUTO PARTS STORE
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS
EXTERIOR ELEVATIONS

Buddy Webb, NCARB, AIA
Architect - Consultant
3057 EAST CAIRO
SPRINGFIELD, MISSOURI 65802
(417) 877-1385 TELEPHONE
(417) 877-9736 FAX

DRAWN BY: CHECKED BY:

EW RV

DATE:

02/11/19

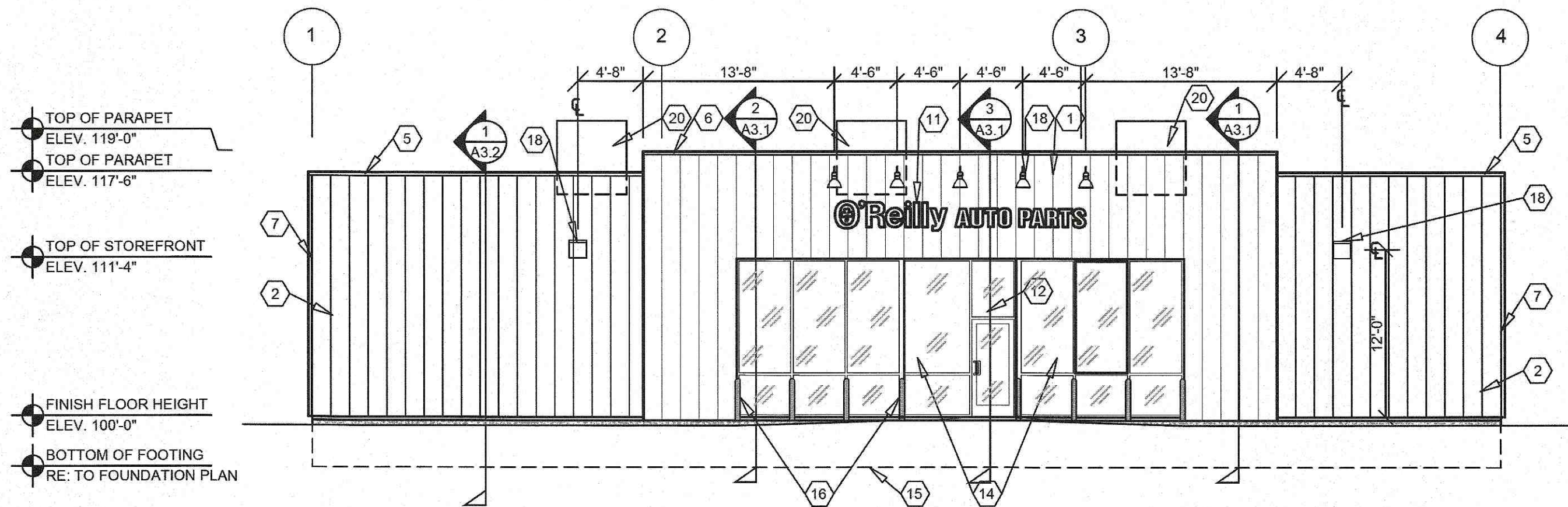
REVISION:

PROJECT NUMBER:

HFX

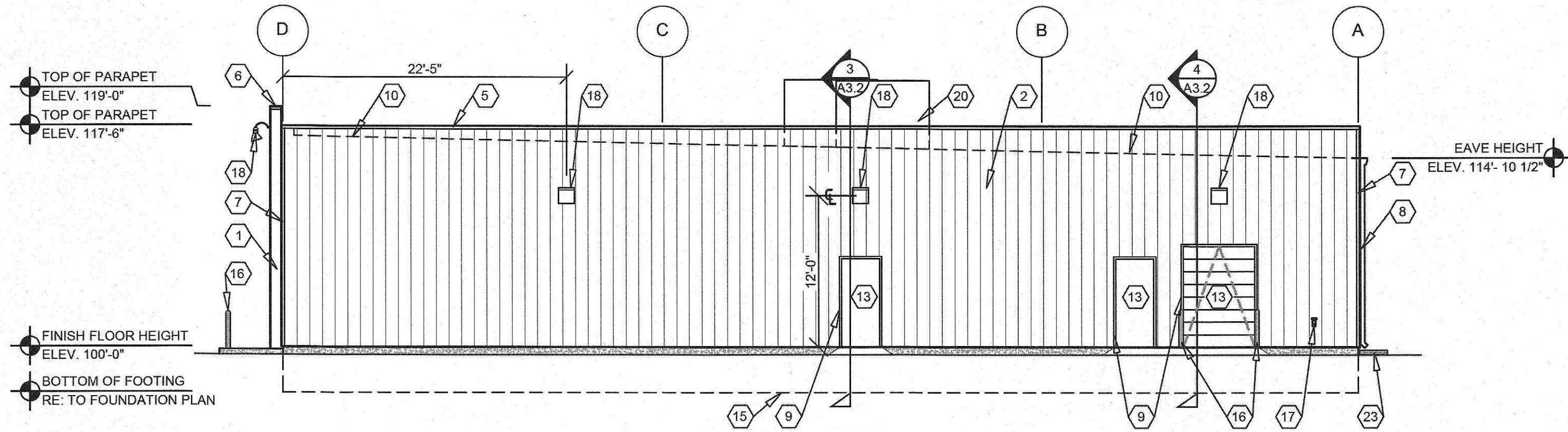
SHEET NUMBER

A2.1



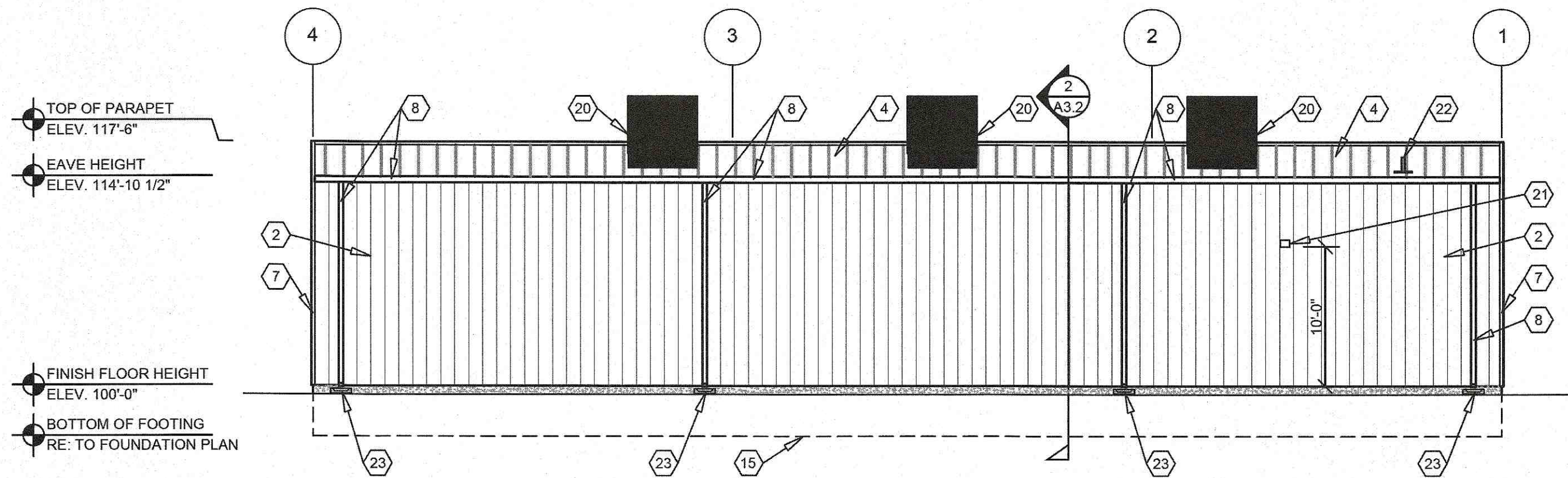
1 FRONT EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"



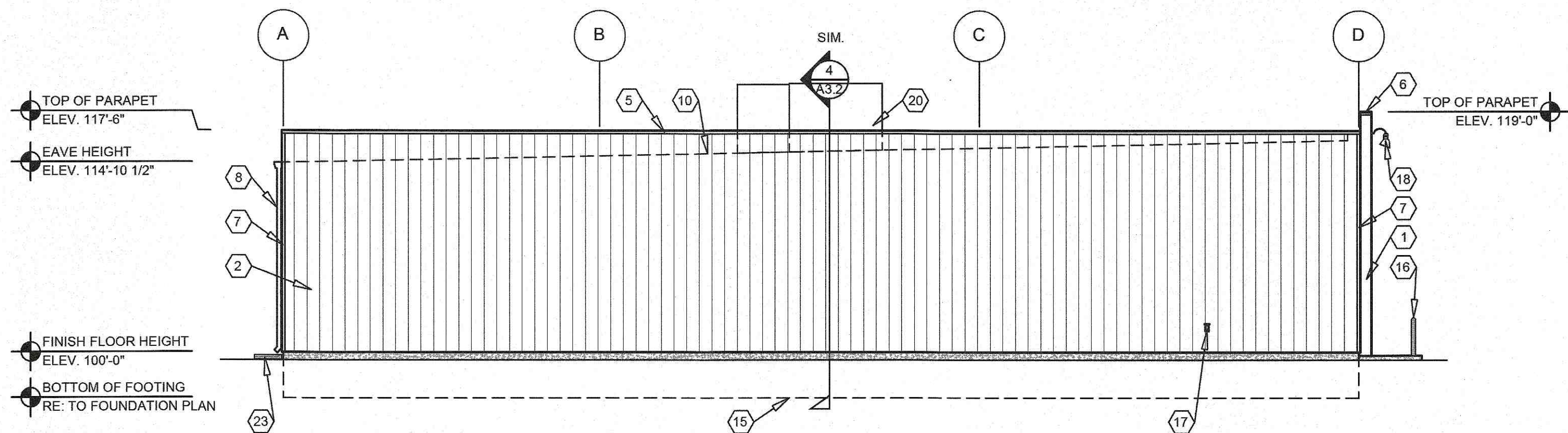
2 RIGHT EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"



3 REAR EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"



4 LEFT EXTERIOR ELEVATION

A2.1 SCALE: 1/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

PRE-ENGINEERED METAL BUILDING WALL PANEL SYSTEMS

KEY NOTE NO. 1:
TYPE: EXTERIOR WALL PANEL (TYPE 1)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
SERIES: EQUAL TO BUTLER BUILDING "eSTYLWALL"
FINISH: PREFINISHED
COLOR: EQUAL TO SHERWIN WILLIAMS "POSITIVE RED" SW6871 GLOSS

KEY NOTE NO. 2:
TYPE: EXTERIOR WALL PANEL (TYPE 2)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
SERIES: EQUAL TO BUTLER BUILDING "eSTYLWALL"
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

FLASHING AND SHEET METAL

KEY NOTE NO. 4:
TYPE: STANDING SEAM ROOFING SYSTEM
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
COLOR: GALVALUME

KEY NOTE NO. 5:
TYPE: CAP FLASHING AT WALL PANELS (TYPE 2)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

KEY NOTE NO. 6:
TYPE: CAP FLASHING AT WALL PANELS (TYPE 1)
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: SHERWIN WILLIAMS "POSITIVE RED" SW6871 (SHER-CRYL) GLOSS WITH SHERWIN WILLIAMS THREE COMPONENT (B65T105 / B65V105 / B65C105) CLEAR URETHANE

KEY NOTE NO. 7:
TYPE: WALL PANEL TRIM
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

KEY NOTE NO. 8:
TYPE: GUTTER AND DOWNSPOUTS
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

KEY NOTE NO. 9:
TYPE: DOOR TRIM
MFG: (REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS)
FINISH: PREFINISHED
COLOR: EQUAL TO BUTLER BUILDING "COOL BIRCH WHITE"

DOORS AND WINDOWS

KEY NOTE NO. 13:
TYPE: STEEL DOORS AND FRAMES (DOORS NO. 2 AND 7)
MFG: (OWNER FURNISHED / CONTRACTOR INSTALLED)
FINISH: FACTORY PRIMED AND FIELD PAINTED
COLOR: SHERWIN WILLIAMS (MATCH ADJACENT PANEL COLOR) (SEMI-GLOSS)

KEY NOTE NO. 13:
TYPE: SECTIONAL OVERHEAD DOOR (DOOR NO. 3)
MFG: (REFER PROJECT MANUAL)
FINISH: FACTORY PRIMED AND FIELD PAINTED
COLOR: SHERWIN WILLIAMS (MATCH ADJACENT PANEL COLOR) (SEMI-GLOSS)

KEY NOTE NO. 14:
TYPE: (REFER TO WINDOW SCHEDULE)
MFG: EFCO, KAWNEER, OR OLD CASTLE (VISTA WALL), (NO SUBSTITUTES)
FINISH: PREFINISHED
COLOR: EFCO "IVY", KAWNEER "DARK IVY", VISTA WALL "INTERSTATE GREEN"

PAINTING
KEY NOTE NO. 16:
TYPE: STEEL BOLLARDS (REFER TO CIVIL DRAWINGS)
FINISH: FIELD PRIMED AND PAINTED
COLOR: SHERWIN WILLIAMS "HUNT CLUB" SW6468 (SEMI-GLOSS)

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (C) REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SYSTEM TYPES AND ADDITIONAL REQUIREMENTS.
- (D) REFER TO EXTERIOR FINISH SCHEDULE FOR MATERIAL TYPES.
- (E) REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (F) REFER TO SCOPE OF WORK SCHEDULE FOR ADDITIONAL REQUIREMENTS.

KEY NOTES

- (1) PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM (TYPE 1).
- (2) PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM (TYPE 2).
- (3) (NOT USED).
- (4) PRE-ENGINEERED METAL BUILDING SHEET METAL ROOFING SYSTEM.
- (5) PRE-ENGINEERED METAL BUILDING SHEET METAL FLASHING WITH 3" VERTICAL FACE. (AT TYPE 2 WALL PANELS).
- (6) PRE-ENGINEERED METAL BUILDING SHEET METAL FLASHING WITH 3" VERTICAL FACE (AT TYPE 1 WALL PANELS).
- (7) PRE-ENGINEERED METAL BUILDING SHEET METAL WALL PANEL TRIM.
- (8) PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTER AND DOWNSPOUT SYSTEM.
- (9) PRE-ENGINEERED METAL BUILDING SHEET METAL DOOR TRIM.
- (10) LINE OF ROOF BEYOND WITH 1/4":12" SLOPE MINIMUM
- (11) SURFACE MOUNTED SIGN OWNER FURNISHED AND INSTALLED. PROVIDE BACKING FOR MOUNTING AND ROUGH-IN ELECTRICAL COORDINATE REQUIREMENTS WITH OWNER. REFER TO SHEET SG2.1.
- (12) BUILDING ADDRESS NUMBERS IN 6" HIGH HELVETICA WHITE VINYL ADHERED TO EXTERIOR FACE OF GLAZING.
- (13) EXTERIOR DOOR AND FRAME SYSTEM. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPES.
- (14) EXTERIOR WINDOW SYSTEM. REFER TO FLOOR PLAN AND WINDOW SCHEDULE FOR TYPES.
- (15) APPROXIMATE LINE OF FOUNDATION, REFER TO STRUCTURAL DRAWINGS.
- (16) STEEL BOLLARDS, REFER TO CIVIL AND STRUCTURAL DRAWINGS.
- (17) HOSE BIB, REFER TO PLUMBING DRAWINGS.
- (18) LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- (19) (NOT USED).
- (20) MECHANICAL ROOF TOP UNIT, REFER TO MECHANICAL DRAWINGS.
- (21) MECHANICAL WALL PENETRATIONS, REFER TO MECHANICAL DRAWINGS. PROVIDE FRAMING, FLASHING, AND SEALANT AS REQUIRED. INSTALL RESTROOM EXHAUST FANS 12" MINIMUM ABOVE INTERIOR CEILING FRAMING.
- (22) PLUMBING ROOF VENT, REFER TO PLUMBING DRAWINGS AND DETAIL 11/A4.2.
- (23) CONCRETE SPLASH BLOCK INSTALL AT EACH DOWNSPOUT.



SHEETS BEARING THIS SEAL ARE AUTHENTICATED. RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS OR INSTRUMENTS ARE DECLINED.

O'Reilly AUTO PARTS
CORPORATE OFFICES
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

PROJECT:
NEW O'REILLY AUTO PARTS STORE
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS
EXTERIOR ELEVATIONS

Buddy Webb, NCARB, AIA
Architect - Consultant
3057 EAST CAIRO
SPRINGFIELD, MISSOURI 65802
(417) 877-1385 TELEPHONE
(417) 877-9736 FAX

DRAWN BY: **EW** CHECKED BY: **RV**
DATE: **02/07/19**
REVISION:

PROJECT NUMBER: **HFX**
SHEET NUMBER

A2.1

BACKLIGHT-UPLIGHT-GLARE (BUG) RATING / FULL CUTOFF

SEE CUT-SHEET ON SP SHEETS AND SCHEDULE BELOW FOR EXTERIOR LIGHT FIXTURES. ALL OF THE LSI MRM & XWM LED FIXTURES HAVE ZERO UPLIGHT AND ARE CONSIDERED "FULL CUT OFF" AND DARKSKY COMPLIANT". SP SHEETS AND BELOW DELIVERED LUMENS SCHEDULE HAS "BUG" RATINGS, AS TESTED TO IDENTIFY HOW MUCH OF THE LIGHT GOES BACKWARDS, UPWARDS AND TO THE GROUND. THE CHART SHOWS THAT THESE FIXTURES HAVE BUG RATINGS WITH (UPLIGHT) U = 0.

							
LSI Outdoor LED Fixture BUG Summary							
8/28/2017							
<u>Catalog Number</u>	<u>Fixture Lumens</u>	<u>Fixture Watts</u>	<u>Lumens/Watt</u>	<u>IES Class</u>	<u>Long. Class</u>	<u>BUG Rating</u>	
XWM-3-LED-06-50	6,571	54	122	Type III	Medium	B1-U0-G2	
XWM-FT-LED-06-50	6,523	54	121	Type IV	Short	B1-U0-G2	

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
Parking	+	1.3 fc	6.7 fc	0.0 fc	N/A	N/A	N/A

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
Parking	+	1.3 fc	6.7 fc	0.0 fc	N/A	N/A	N/A

ONCE THE EMS HAS BEEN PROGRAMMED, THE INTERIOR AND EXTERIOR LIGHTS WILL TURN ON AND OFF USING THE FOLLOWING LOGIC: SEE EM SHEETS.

INTERIOR WORK LIGHTS WILL TURN ON WITH FIRST MOTION IN THE STORE AND WILL TURN OFF 15 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.

INTERIOR SALES LIGHTS WILL TURN ON AT STORE OPENING AND
TURN OFF 15 MINUTES AFTER STORE CLOSING.

EXTERIOR SIGN LIGHTS WILL TURN ON WHEN ITS DARK ENOUGH
OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT
STORE CLOSING.

EXTERIOR SITE LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS OR THERE IS MOTION IN THE STORE. THEY WILL TURN OFF 30 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.

FOR NEW CONSTRUCTION LOCATIONS ONLY, THERE IS A TEMPORARY PROGRAM TO KEEP SIGN AND SITE LIGHTS ON UNTIL MIDNIGHT RATHER THAN THE TIMES INDICATED ABOVE. O'REILLY WILL DISABLE THIS PROGRAM ONE YEAR AFTER STORE OPENING.

RESTROOMS AND OFFICES: ALL LIGHTING IN THESE AREAS ARE CONTROLLED BY OCCUPANT-SENSING DEVICES.

REV 07.10.17
SUNCOAST
 1800 DART ROAD (KIA) LUTHERG
 Maitland NSW 168 0016

PROJECT NAME
 PROJECT TYPE

SFS-002

Notes:

BLE -

Example: **A** B C D E F G H I J K L
 ASL11 S00 CGG 975 HCR G22 HDHP NA 975 LED11 2700

NOTES: (1) Guard and Glass option not available. (2) Guard/Glass options reduces installation wattage to 150W Max. GU24 20 Pin to 18W Max and LED New to 1600 Lumens. (3) Not available in Natural Finishes. (4) Not available in LED. (5) Not available in Porcelain Finishes

A - MODEL

G Gooseneck

B - SHADE

ELLIPTICAL:

ASL911x14x1
 ASL1111x14x1
 ASL1311x14x1
 ASL1511x14x1

EMBLEM/REGALIA:

ASE814
 ASE910
 ASE121
 ASE141

FRONTIER/FIRE CHIEF:

ASFC814
 ASFC101
 ASFC121
 ASFC141

PORCELAIN FINISHES:

150 Black
 200 White
 350 Yellow
 365 Bronze
 750 Cobalt Blue
 765 Delphite Blue
 880 Graphite
 950 Metallic Chrome

NATURAL FINISHES:

995 Raw Copper
 996 Weathered Copper
 999 Oil-Rubbed Copper

C - SHADE FINISH

See Pages 3-4 for Swatches

POWDER COAT FINISHES:

100 Black
 105 Tumbled Black
 200 White
 300 Dark Green
 307 Emerald Green
 370 Mint
 380 Chartreuse
 400 Barbed Red
 420 Orange
 426 Watermelon
 440 Brush Pink
 490 Magenta
 500 Buttery Yellow
 570 Sunflower
 600 Bronze
 601 Chocolate
 605 Rust
 615 Oil-Rubbed Bronze
 700 Royal Blue
 705 Navy
 800 Industrial Grey
 805 Charcoal Granite
 975 Galvalume

PORCELAIN FINISHES:

150 Black
 200 White
 350 Yellow
 365 Bronze
 750 Cobalt Blue
 765 Delphite Blue
 880 Graphite
 950 Metallic Chrome

NATURAL FINISHES:

995 Raw Copper
 996 Weathered Copper
 999 Oil-Rubbed Copper

D - SHADE ACCESSORY

NA None
 CGG Cast Guard and Glass²
 WGG Wine Guard and Glass²
 TGG Wine Duty Cast Guard and Glass²
 WC Wire Cage

E - ACCESSORY COLOR

In this Section C for Finish Options
 (1) If Porcelain Finish selected for Accessory, mounting will be Painted-to-Match.

F - GLASS OPTION

NA Not Available
 CLR Clear Glass
 FST Fritted Glass
 RIB Ribbed Glass
 CCR Clear Crackle Glass
 SAK Smoke Crackle Glass
 HCR Honey Crackle Glass

G - MOUNTING

See Pages 5-7

GOOSENECK OPTIONS:

G11 616¹
 G12 037¹
 G31 039¹
 G41 022¹
 G51 024¹
 G61 053¹
 G71 026¹
 G81 032¹
 G91 034¹
 G101 2700¹
 G111 036¹
 G121 040¹
 G131 041¹
 G14 045¹
 G15

H - MOUNTING ACCESSORY

NA Not Available
 HDHP Heavy Duty Hooking Plate¹⁴
 DD Dark-to-Dawn Photocell¹⁴
 DBPC Decorative Backing Plate Cover
 DCHX Decorative Backing Plate Cover & Hex Cover
 LDCHX LED Decorative Backing Plate Cover & Hex Cover

I - SWIVEL KNUCKLE

NA None
 SWK Swivel Knuckle

J - MOUNTING COLOR

NOTES:

(1) See Section C for Finish Options
 (2) If Porcelain Finish selected for mounting option, mounting will be a Paint-to-Match powder coat option

K - LIGHT SOURCE

LED11 11W LED, 850 LM¹
 LED16 16W LED, 1750 LM¹
 LED16.8 16W LED, 1600 LM¹
 LED27 27W LED, 2000 LM¹
 E26 200 Watt Max¹
 GU24 24-Ba Pin, 23W Max¹

LED COLOR TEMPERATURE

*Only applicable if LED light source chosen. Use NA if non LED source chosen
 NA Not Available
 2700 2700 K
 3000 3000 K
 4000 4000 K

BARN LIGHT U.S.A

B - SHADES

All angle shades are constructed in our Titusville, Florida-based manufacturing facility. Beginning as a flat piece of metal, each shade is spun and carefully worked into its necessary shape. This entire process is completed by hand, giving our angle shades an unmatched quality and attention to detail. The edges are rolled, and the resulting shade is highly durable and stylish. 1100-O Aluminum — ranging from .0050" to .0125" — is used for many shade styles. Our galvanized steel option is crafted from 20 Ga Sheet Metal. Copper products are spun from .032" 110 Soft Alloy.

ELLIPTICAL

	Diameter D	Height H
ASL9	7.75"	7.5"
ASL11	8.5"	9.5"
ASL12	11.25"	10"
ASL15	13.25"	11.75"

EMBLEM/REGALIA

	Diameter D	Height H
ASE8	8"	6.25"
ASE10	10.25"	7.25"
ASE12	10.25"	8.5"
ASE14	14.25"	9.5"

FRONTIER/FIRE CHIEF

	Diameter A	Height B
ASFC8	8"	6.25"
ASFC10	10.25"	7.25"
ASFC12	12.25"	8.5"
ASFC14	14.25"	9.5"

The drawing shows a cross-section of a tapered pipe fitting. Dimension A is the diameter at the top, and dimension B is the height of the fitting.

GOOSENECKS

G - MOUNTING

An array of angles and styles are offered to help the sign light adapt to any space's individual requirements.

GOOSENECKS

G1: Straight neck, 14 1/4" long, 1/2-14 NPT, 1/2" diameter.

G2: Curved neck, 23" high, 36 1/4" long, 39 1/4" long, 1/2-14 NPT, 1/2" diameter.

G3: Curved neck, 7 1/2" high, 1/2-14 NPT, 1/2" diameter.

G4: Straight neck, 7 1/2" long, 1/2-14 NPT, 1/2" diameter.

G5: Curved neck, 23" high, 20 1/4" long, 1/2-14 NPT, 1/2" diameter.

G6: Curved neck, 14 1/2" high, 28 1/2" long, 1/2-14 NPT, 1/2" diameter.

330 Frank McRae Dr., Titusville, FL 32780 Phone: (800) 407-8784 Email: sales@bamlight.com Web: www.bamlight.com

K - LIGHT SOURCE

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. To obtain an IES file specific to your project, please contact the factory.

OPTION	WATTAGE	LUMENS	CRI	VOLTAGE	DIMMING
LED5					
LED11	11W	850	>90	120 VAC	TRIAC
LED16	16W	1250	>90	120 VAC	TRIAC
LED16.8	16W	1600	>90	120 VAC	TRIAC
LED27	27W	2000	>90	120-277 VAC	0-10V
INCANDESCENT (MED E26)					
E26	200W Max	1400	100	120 VAC	Bulb Dependant
COMPACT FLOURESCENT (GU24 CFL)					
GU24	23W Max	1400	75	120 VAC	Bulb Dependant
LED MODULE SPECIFICATION:					
COLOR RENDERING INDEX: >90 CRI			LUMEN MAINTENANCE (L70): 50,000 HOURS		
AVAILABLE CCT: 2700K, 3500K, 4000K					

320 Knox McRae Dr., Trussville, AL 35760 Phone: (800) 407-8784 Email: sales@lawnlight.com Web: www.lawnlight.com

SITE LIGHTING PHOTOMETRICS

SCALE: 1" = 20'-0"



PROJECT:
NEW O'REILLY AUTO PARTS STORE
3330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

3855 S. JEFFERSON AVE.
SPRINGFIELD, MD 65807
P: 417-882-2200
F: 417-882-1188
WWW.SMITHGOTH.COM



SMITH-GOETH ENGINEERS, INC.

DRAWN BY: _____ CHECKED BY: _____

CEV **NEG**

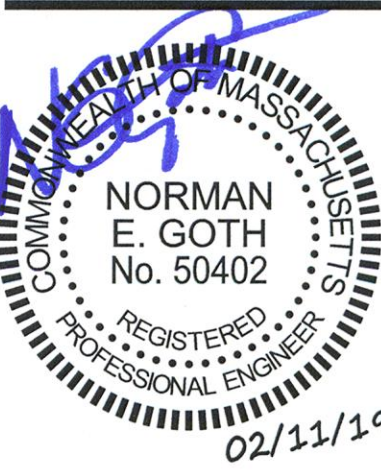
DATE:
02/11/19

REVISION

PROJECT NUMBER
HFX

SHEET NUMBER

SP1

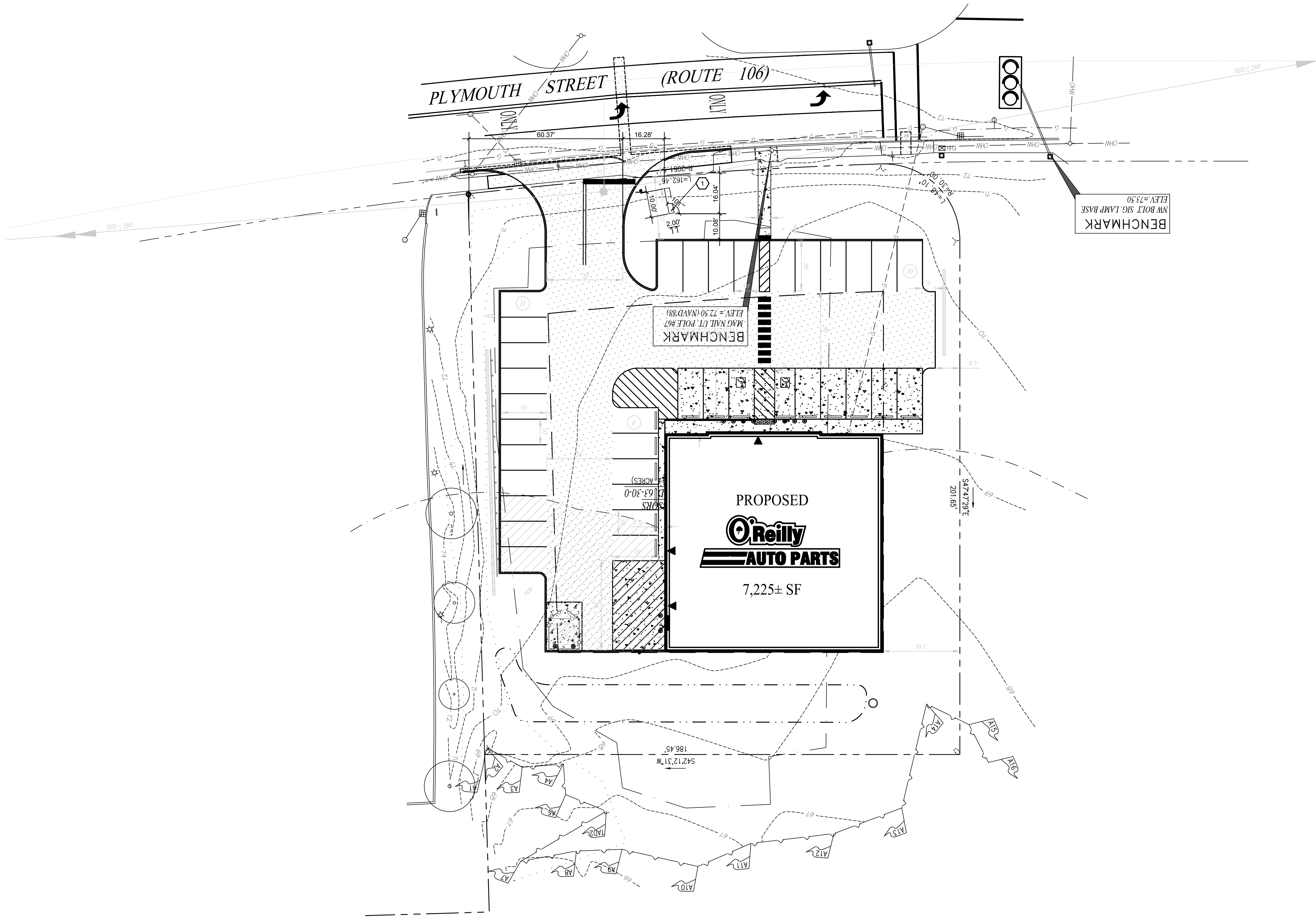


SHEETS BEARING THIS SEAL ARE
AUTHENTICATED, RESPONSIBILITY FOR
ALL OTHER PLANS, SPECIFICATIONS
OR INSTRUMENTS ARE DISCLAIMED.

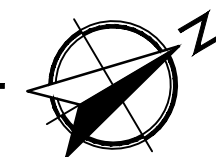
O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

SITE LIGHTING PHOTOMETRICS

© COPYRIGHT 2018-2019 — DESIGNS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.



1 SITE SIGNAGE PLAN
SG1.1 SCALE: 1" = 20'-0"



CAUTION:
INFORMATION ON THIS DRAWING
CONCERNING TYPE AND LOCATION
OF UNDERGROUND AND OTHER
UTILITIES IS NOT GUARANTEED TO
BE ACCURATE OR ALL INCLUSIVE.
THE CONTRACTOR IS RESPONSIBLE
FOR MAKING HIS OWN
DETERMINATION AS TO THE TYPE
AND LOCATION OF UNDERGROUND
AND OTHER UTILITIES AS MAY BE
NECESSARY TO AVOID DAMAGE
THERETO.



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

DRAWN BY: **EW** CHECKED BY: **RV**
DATE: **02/07/19**
REVISION:
PROJECT NUMBER: **HFX**
SHEET NUMBER

SG1.1

GENERAL NOTES

- A** REFER TO PROJECT MANUAL AND SCOPE OF WORK SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- B** SITE DIMENSIONS TO FACE OF CONCRETE FOUNDATION, SIDEWALK, CURB GUTTER LINE, PROPERTY LINE, OR CENTER LINE OF STRIPING UNLESS OTHERWISE NOTED.
- C** COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- D** PRIOR TO INSTALLATION, CONTRACTOR TO VERIFY LOCATIONS OF LIGHT POLES, LANDSCAPING, AND UTILITIES DO NOT CONFLICT WITH SITE SIGN LOCATION SHOWN. REFER TO US1 AND CIVIL FOR UTILITY LOCATIONS. IF CONFLICT IS DISCOVERED, CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.
- E** "COMING SOON" TEMPORARY CONSTRUCTION SIGN TO BE PROVIDED BY CONTRACTOR. APPLIED SIGNAGE GRAPHICS TO BE OWNER FURNISHED AND CONTRACTOR INSTALLED. LOCATE TEMPORARY CONSTRUCTION SIGN ON SITE SO AS TO BE VISIBLE TO PUBLIC FROM RIGHT-OF-WAY. REFER TO DETAIL 1/SG1.2.

SPECIAL NOTE:
AVOID OBSCURING VISIBILITY OF SITE SIGN FROM RIGHT OF WAY WITH LARGE PLANTINGS AND LANDSCAPING.
SUBMIT LANDSCAPING LAYOUT FOR FINAL OWNER REVIEW AND APPROVAL PRIOR TO INSTALLATION.

KEY NOTES

- 1** SITE SIGN, REFER TO ELEVATION 2/SG1.2

INDIVIDUAL ARCHITECTURAL
REGISTRATION NO.:
31777

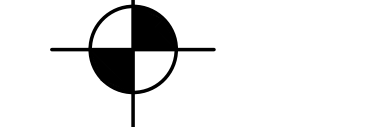
DESIGN
BY
OTHERS.
FOR
REFERENCE
ONLY

SHEETS BEARING THIS SEAL ARE
AUTHENTICATED. RESPONSIBILITY FOR
ALL OTHER PLANS, SPECIFICATIONS
OR INSTRUMENTS ARE DISCLAIMED.

O'Reilly AUTO PARTS
CORPORATE OFFICES
238 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 882-2874 TELEPHONE

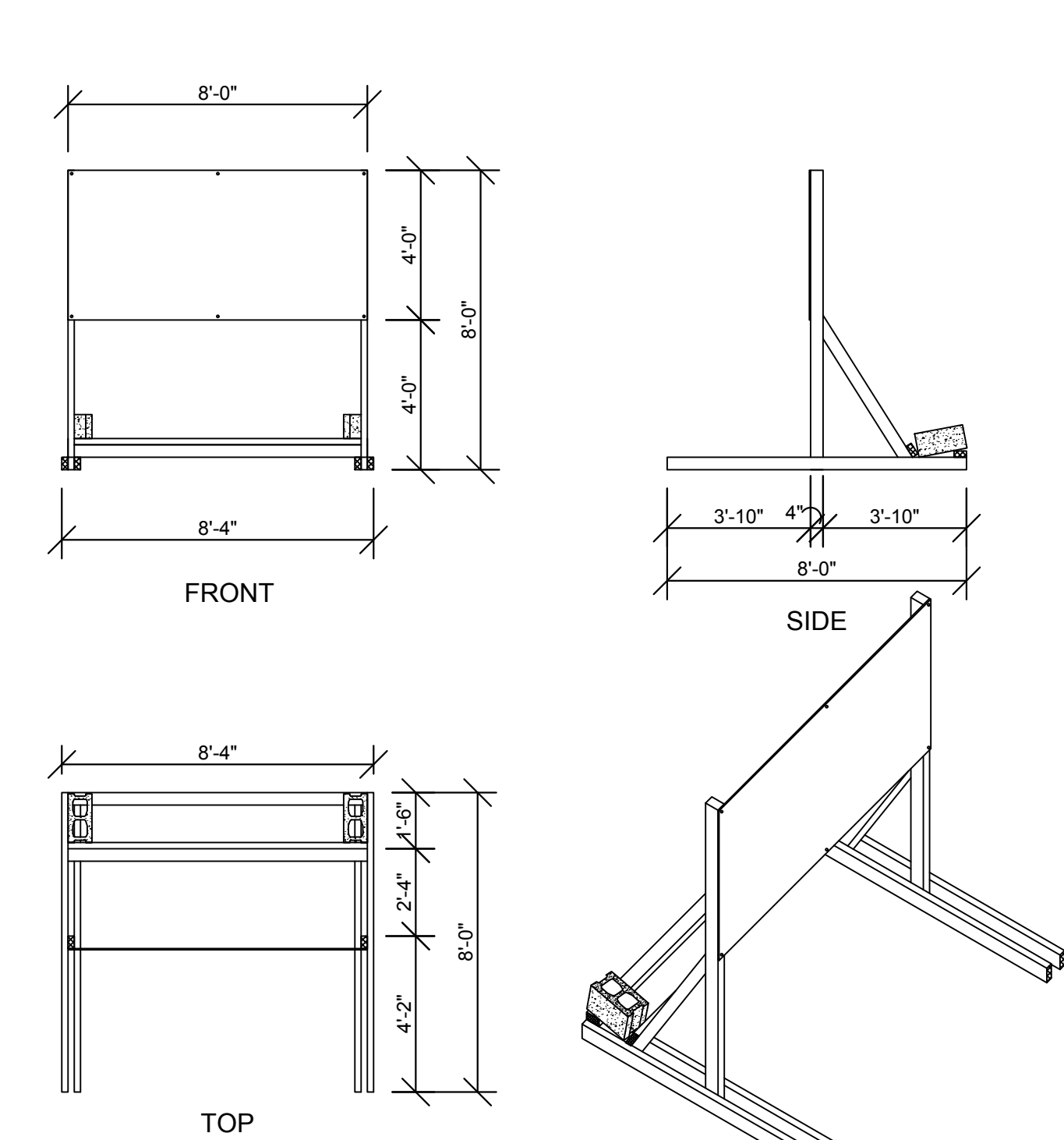
PROJECT:
NEW O'REILLY AUTO PARTS STORE
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS
SITE SIGNAGE PLAN

Buddy Webb, NCARB, AIA
Architect - Consultant
3057 EAST CAIRO
SPRINGFIELD, MISSOURI 65802
(417) 877-1385 TELEPHONE
(417) 877-9736 FAX

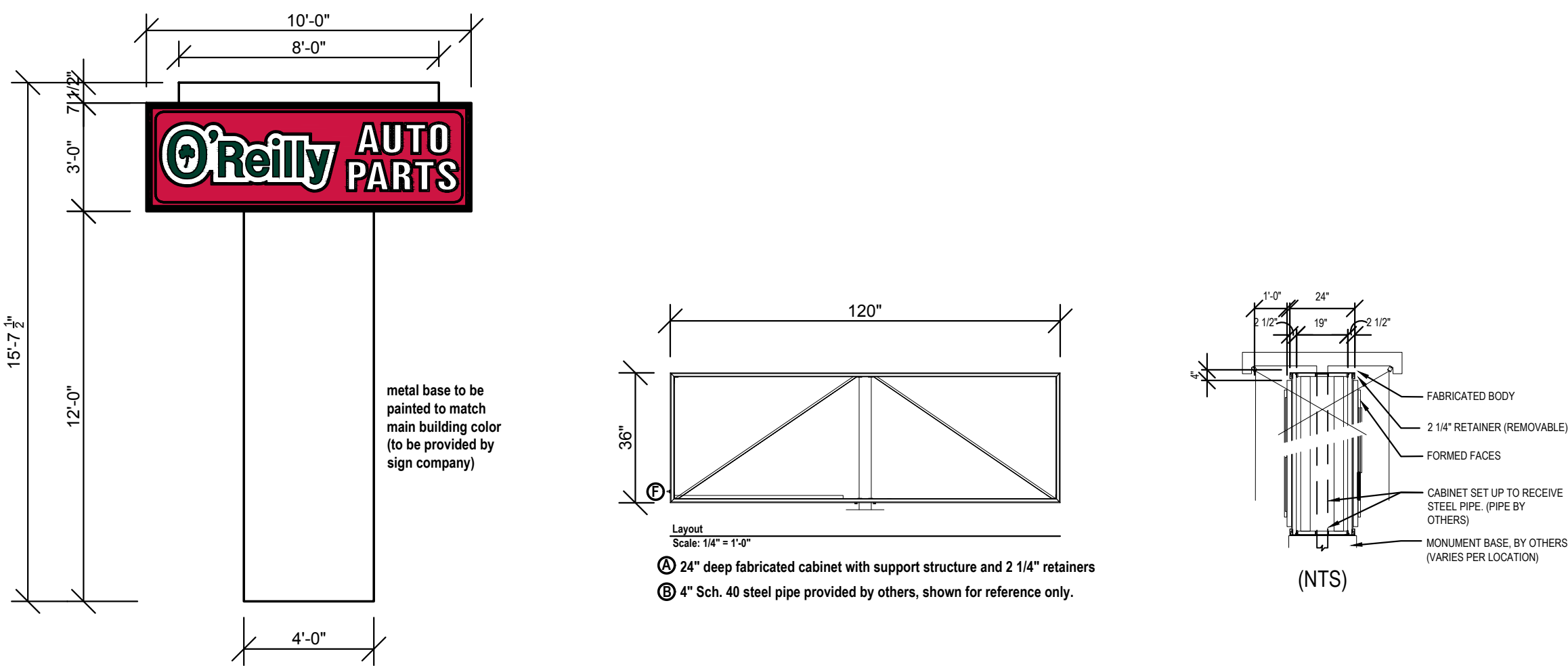


DRAWN BY: **EW** CHECKED BY: **RV**
DATE: **02/07/19**
REVISION:
PROJECT NUMBER: **HFX**
SHEET NUMBER

SG1.1



1 **COMING SOON**
TEMPORARY CONSTRUCTION SIGN
SG1.2 **SCALE: 1/4" = 1'-0"**



2 **GROUND SIGN ELEVATION**
SG1.2 **SCALE: 1/4" = 1'-0"**

GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- CONTACT OWNER'S OR TENANT'S DESIGNATED PROJECT ADMINISTRATOR FOR QUESTIONS OR CLARIFICATIONS.
- PERMANENT SIGNAGE OWNER FURNISHED AND INSTALLED. (REFER TO SCOPE OF WORK SCHEDULE). SIGNAGE GRAPHICS PROVIDED FOR REFERENCE ONLY (N.I.C.) AND CONTRACTOR'S COORDINATION WITH SPECIFIC PROJECT CONSTRUCTION CONDITIONS.
- SITE SIGN ROUGH-IN ELECTRICAL TO BE PROVIDED BY CONTRACTOR.
- REQUIRED GOVERNMENTAL PERMITS FOR PERMANENT TYPE SIGNAGE TO BE PROVIDED BY SIGN COMPANY PER OWNER'S DIRECTION (N.I.C.).
- "COMING SOON" TEMPORARY CONSTRUCTION SIGN TO BE PROVIDED BY GENERAL CONTRACTOR. APPLIED SIGNAGE GRAPHICS TO BE OWNER FURNISHED AND GENERAL CONTRACTOR INSTALLED. LOCATE TEMPORARY CONSTRUCTION SIGN ON SITE SO AS TO BE VISIBLE TO PUBLIC FROM RIGHT-OF-WAY.
- UNLESS OTHERWISE INDICATED, SITE POLE SIGN FOUNDATION CONSTRUCTION BY SIGN CONTRACTOR (BY OTHERS - NOT IN CONTRACT) AND SITE MONUMENT SIGN FOUNDATION CONSTRUCTION BY GENERAL CONTRACTOR (BASE BID).

SPECIAL NOTE:
SIGN DESIGN BY OTHERS. REFER TO SIGN CONTRACTOR'S SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS.

DESIGN
BY
OTHERS.
FOR
REFERENCE
ONLY

SHEETS BEARING THIS SEAL ARE AUTHENTICATED. RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

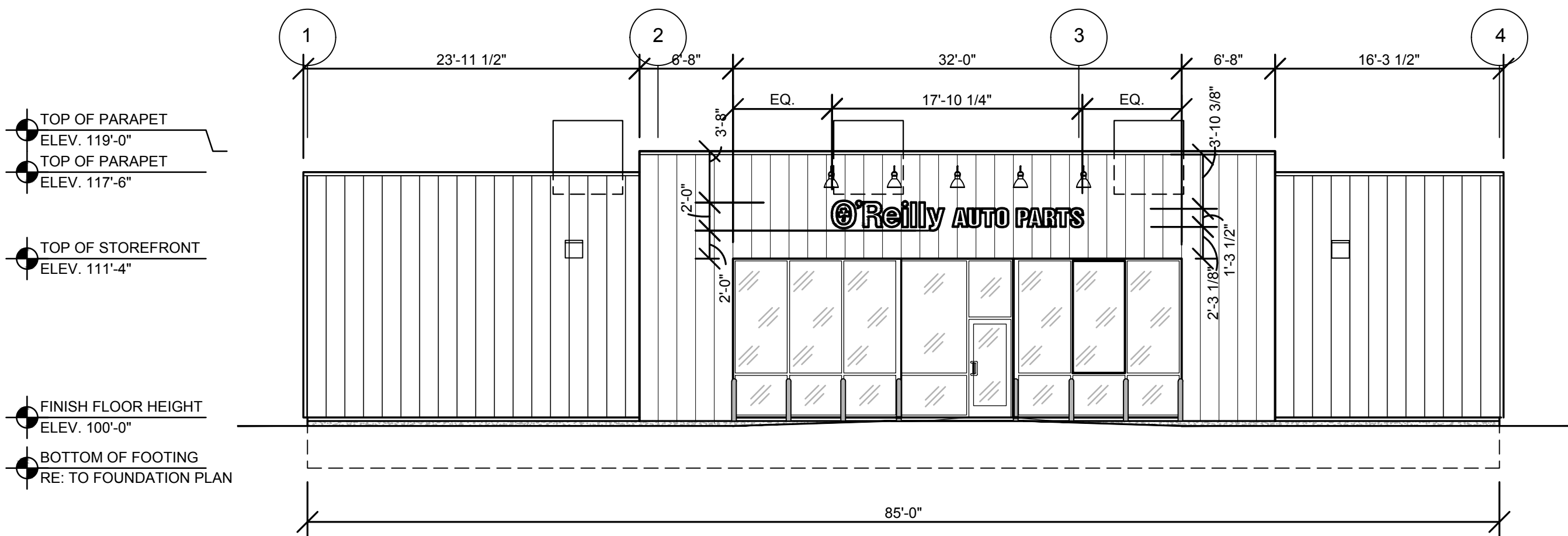
O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
ST. LOUIS, MISSOURI 63802
(417) 882-2874 TELEPHONE

SITE SIGN SCHEDULE

TEMPORARY CONSTRUCTION SIGN:
TYPE: COMING SOON
DETAIL: REFER TO 1/SG1.2

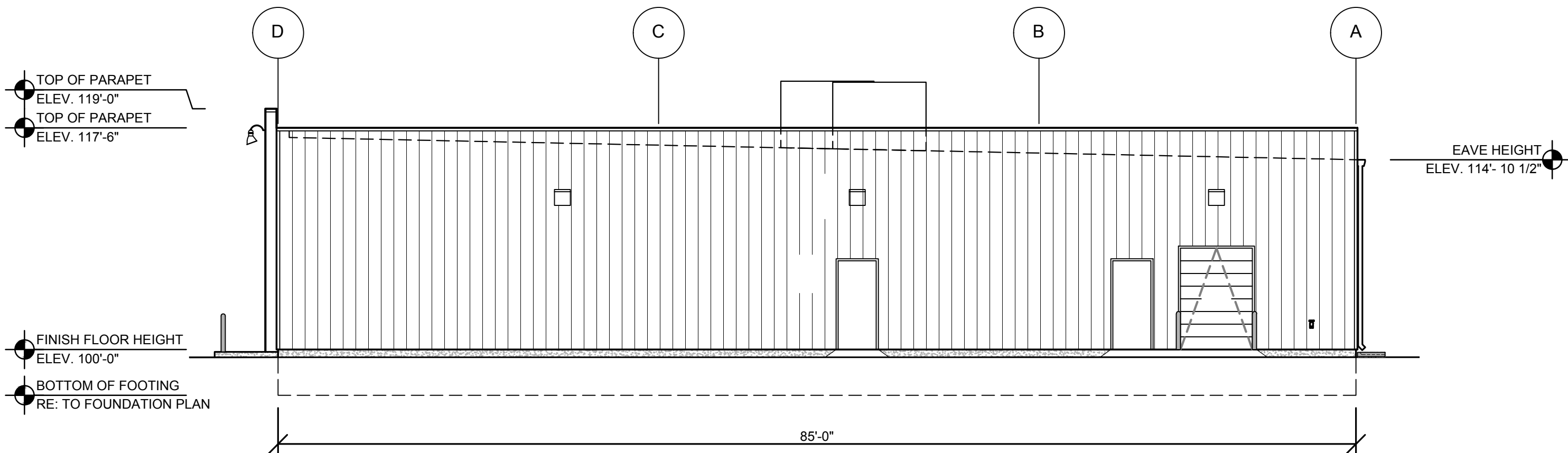
SITE SIGN:
TYPE: MONUMENT (3'H X 10'W X 15'-7 1/2" OAH.)
DETAIL: REFER TO 2/SG1.2

NOTE:
REFER TO SHEET S1.2 FOR SIGN FOUNDATION SYSTEM STRUCTURAL REQUIREMENTS.



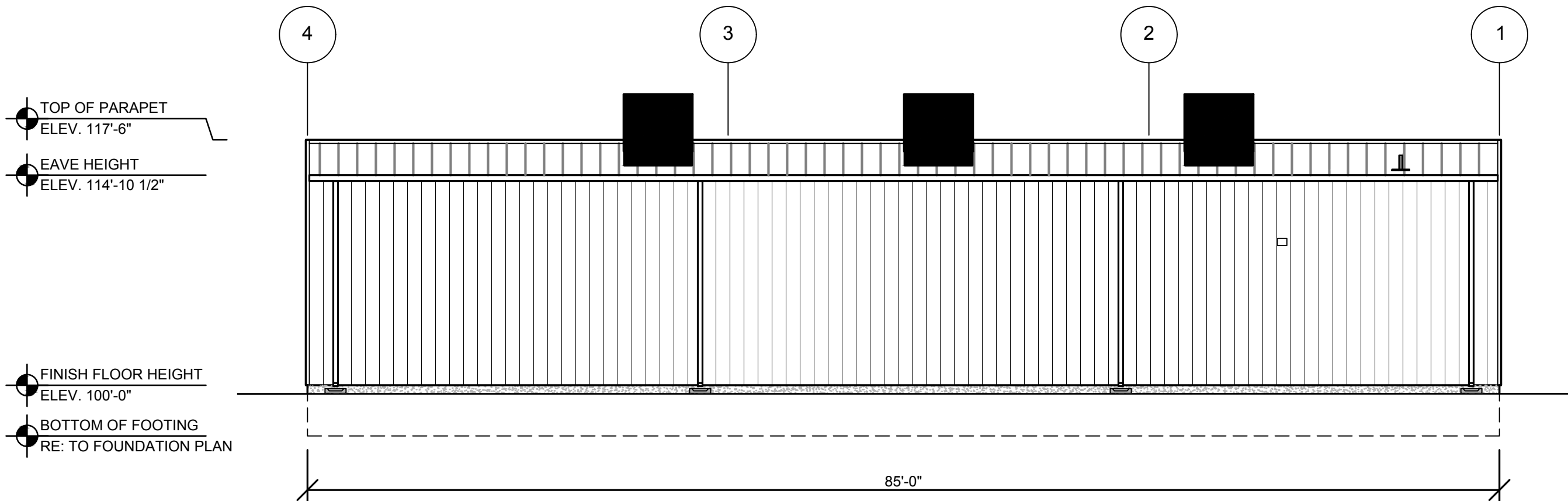
1 FRONT EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"



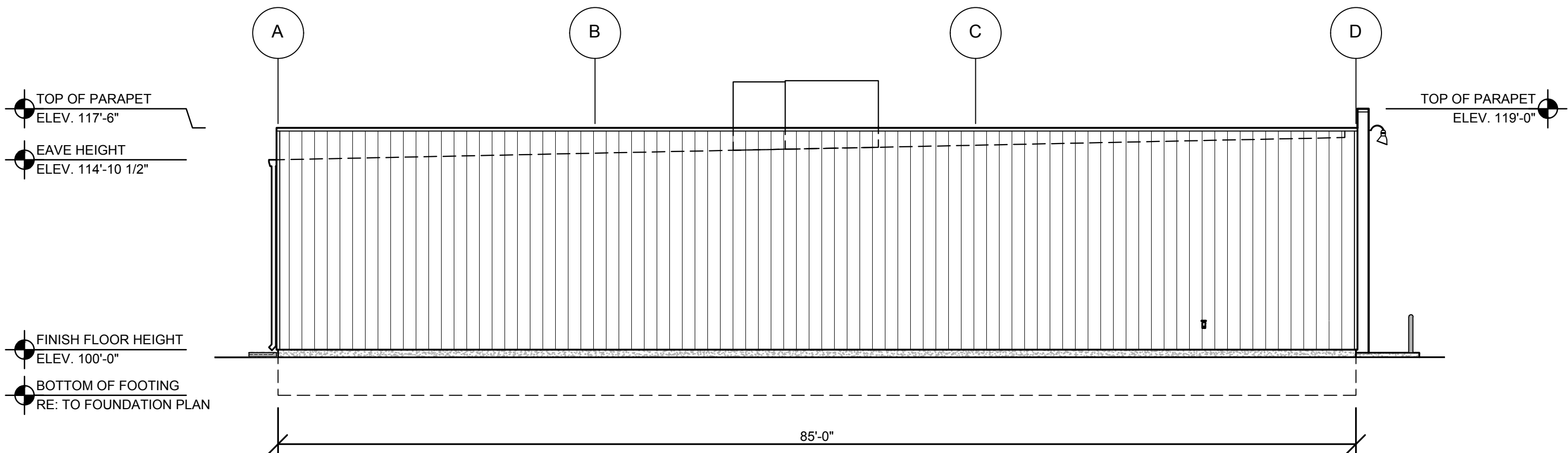
2 RIGHT EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"



3 REAR EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"



4 LEFT EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"

BUILDING SIGN SCHEDULE

FRONT EXTERIOR ELEVATION:
TYPE: OR 24" / 16" LINEAR
DETAIL: REFER TO 5/SG2.1

RIGHT EXTERIOR ELEVATION:
TYPE: NO SIGN
DETAIL:

LEFT EXTERIOR ELEVATION:
TYPE: NO SIGN
DETAIL:

REAR EXTERIOR ELEVATION:
TYPE: NO SIGN
DETAIL:

GENERAL NOTES

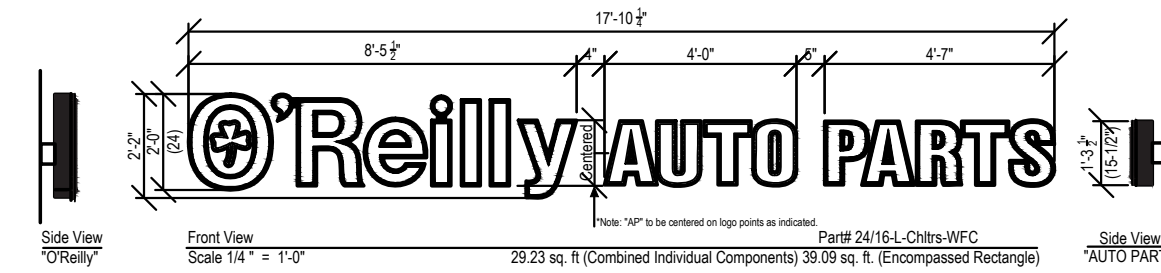
- A CONTACT OWNER'S OR TENANT'S DESIGNATED PROJECT ADMINISTRATOR FOR QUESTIONS OR CLARIFICATIONS.
- B BUILDING PERMANENT SIGNAGE OWNER FURNISHED AND INSTALLED, (REFER TO SCOPE OF WORK SCHEDULE). SIGNAGE GRAPHICS PROVIDED FOR REFERENCE ONLY (N.I.C.) AND CONTRACTOR'S COORDINATION WITH SPECIFIC PROJECT CONSTRUCTION CONDITIONS. CONTRACTOR TO PROVIDE BACKING AND ROUGH-IN ELECTRICAL AS REQUIRED FOR INSTALLATION. REFER TO A2.1 FOR EXTERIOR BUILDING FINISH.
- C REQUIRED GOVERNMENTAL PERMITS FOR PERMANENT TYPE SIGNAGE TO BE PROVIDED BY OWNER OR OTHERS (N.I.C.).

INDIVIDUAL ARCHITECTURAL
REGISTRATION NO.:
31777

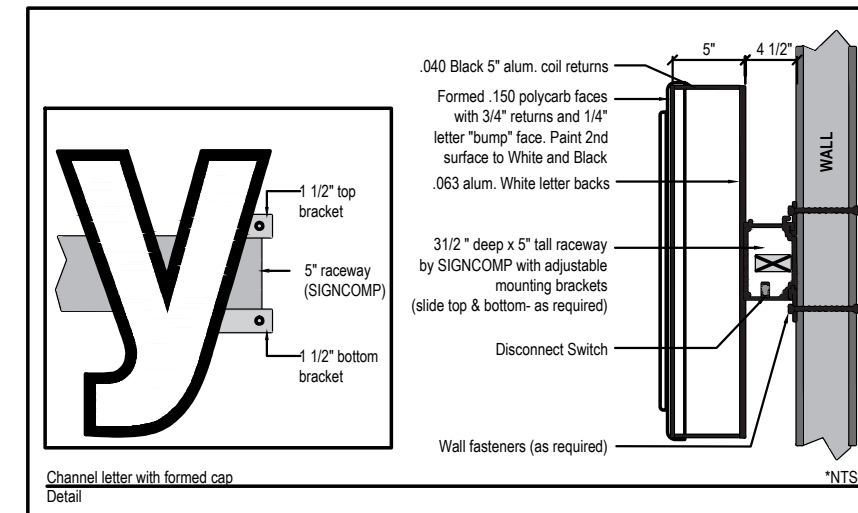
DESIGN
BY
OTHERS.
FOR
REFERENCE
ONLY

SHEETS BEARING THIS SEAL ARE
AUTHENTICATED. RESPONSIBILITY FOR
ALL OTHER PLANS, SPECIFICATIONS
OR INSTRUMENTS ARE DISCLAIMED.

O'Reilly AUTO PARTS
CORPORATE OFFICES
230 SOUTH PATERSON
SUITE 200
PLAZA
(417) 882-2874 TELEPHONE



"O'Reilly Auto Parts" channel letter with formed polycarb caps and 3/4" letter "bumps". Black 5" aluminum coil returns. 2nd surface Black and White paint. Letters to be on 5" tall by 3/8" deep SIGNCOMP raceways. Paint raceways to : TBD



Formed Cloud Logo with "AP" Formed Caps & Channel Returns

Part# 24/16-L-Chltrs-WFC

5 FRONT WALL SIGN DETAILS

SG2.1 SCALE: 1/4" = 1'-0"

PROJECT:
NEW O'REILLY AUTO PARTS STORE
330 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS

BUILDING EXTERIOR SIGNAGE

Buddy Webb, NCARB, AIA
Architect - Consultant
3057 EAST CAIRO
SPRINGFIELD, MISSOURI 65802
(417) 877-1385 TELEPHONE
(417) 877-9736 FAX

DRAWN BY: EW
CHECKED BY: RV

DATE:
02/07/19
REVISION:

PROJECT NUMBER:
HFX

SHEET NUMBER

SG2.1