

CITY OF PORTSMOUTH NEW HAMPSHIRE

Building Permit Application Number _____

SITE REVIEW APPLICATION

Case Number _____

Fee _____

Map 273 Lot 3 Zone GW/GPD Wetlands: Inland N/A Coastal N/A Lot Area ±814,896 SF

Date of Approvals (Indicate if Pending)

Conservation Commission _____ Conditional Use April 21, 2016 Board of Adjustment _____

Historic District Commission _____ Subdivision _____ Other _____

Street Address 2454 Lafayette Road

Description of Project including all use(s) Construction of three (3) restaurant buildings and green space and associated site improvements within the existing plaza parking area.

Building(s) Footprint 5,000 SF, 1,600 SF & 2,310 SF Gross Floor Area ±Bldg Footprint #of Stories 1

of Dwelling Units 0 Number of Parking Spaces: Existing 848 Proposed 760

Print Information Below

Property Owner's Name 2422 Lafayette Road Associates, LLC c/o Waterstone Retail Development

Street Address 322 Reservoir Street, 2nd Floor City/Town Needham State MA Zip 02494

781.559.3301 617.447.4027 781.559.3307 LChin@Waterstonepg.com
Telephone # Cell Phone # Fax # Email Address

Print Information Below

Applicant's / Developer's Name Same as owner

Street Address _____ City/Town _____ State _____ Zip _____

Telephone # Cell Phone # Fax # Email Address

Print Information Below (Include Additional Contact Information on Next Page)

Check One: Owner's Attorney ☐ Applicant's Attorney ☐ Engineer ☒ Surveyor ☐ Other ☐ If other, state relationship _____

Representative's Name Tighe & Bond, Inc. (Patrick Crimmins, P.E.)

Street Address 177 Corporate Drive City/Town Portsmouth State NH Zip _____

603.433.8818 603.988.8066 N/A PMCrimmins@TigheBond.comm.com
Telephone # Cell Phone # Fax # Email Address

I hereby apply for Site Review and acknowledge that I will comply with all the ordinances and any stipulations of the Site Review Committee of the City of Portsmouth in the development and construction of this project.

See letter of Authorization

Owner's Signature

Print Owner's Name

Date

Applicant's/Developer's Signature

Print Applicant's/Developer's Name

Date

Print Information Below

Check One: Owner's Attorney ☐ Applicant's Attorney ☐ Engineer ☐ Surveyor ☐ Other ☐ If other, state relationship _____

Representative's Name _____

Street Address _____ City/Town _____ State _____ Zip _____

Telephone # _____ Cell Phone # _____ Fax # _____ Email Address _____

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Representative's Name _____

Street Address _____ City/Town _____ State _____ Zip _____

Telephone # _____ Cell Phone # _____ Fax # _____ Email Address _____

Attachments

The following materials must be submitted to the Planning Department along with the completed Application Form:

- ☐ Site Plan Application Checklist
- ☐ Ten (10) stamped and folded copies of the site plan – four (4) full-size (22" x 34") and six (6) reduced (11" x 17")
- ☐ Digital copy of any plans and/or exhibits (in PDF format)
- ☐ Application Fee
- ☐ Any required State or Federal Permits



January 13, 2016

Josh Levy
Manager
2422 Lafayette Road Associates, LLC
322 Reservoir Street
Needham, MA 02494

Re: Letter of Authorization
Southgate Plaza
2454 Lafayette Road
Portsmouth, NH 03801


To Whom It May Concern:

This letter is to authorize Tighe & Bond Engineering Inc. of 177 Corporate Drive, Portsmouth, New Hampshire 03801 to represent and submit on my behalf applications and materials for the proposed Renovation and Expansion of Southgate Plaza, 2422 Lafayette Road, Portsmouth, New Hampshire.

This authorization shall relate to those activities that are required for local, state and federal permitting for the above project.

With Regards,

Josh Levy
Manager

A handwritten signature in black ink, appearing to be 'Josh Levy', written over a horizontal line.

Southgate Plaza Redevelopment

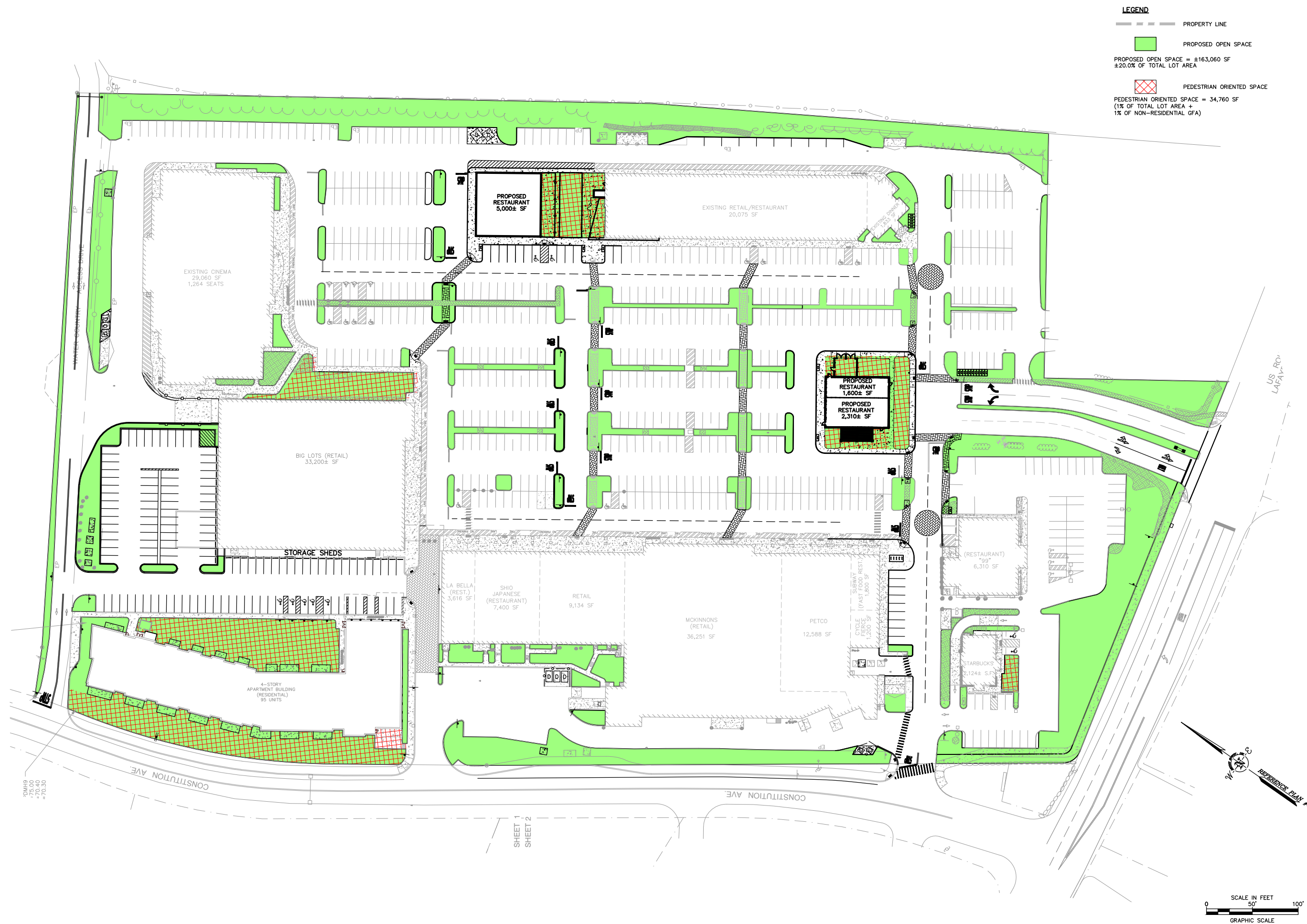
Portsmouth,
New Hampshire

3	11/19/18	TAC Submission for Amended Approval	
2	3/30/17	Revised Per TAC Comments	
1	1/19/16	Initial Submission to TAC	
Mark	Date	Description	
PROJECT NO:		W1725	
FILE:		W-1725-4-DSGN.dwg	
DRAWN BY:		NAH/CML	
CHECKED:		PMC	
APPROVED BY:		BLM/PMC	

OPEN SPACE EXHIBIT

SCALE: AS SHOWN

1 OF 1



SOUTHGATE PLAZA REDEVELOPMENT

2454 LAFAYETTE ROAD

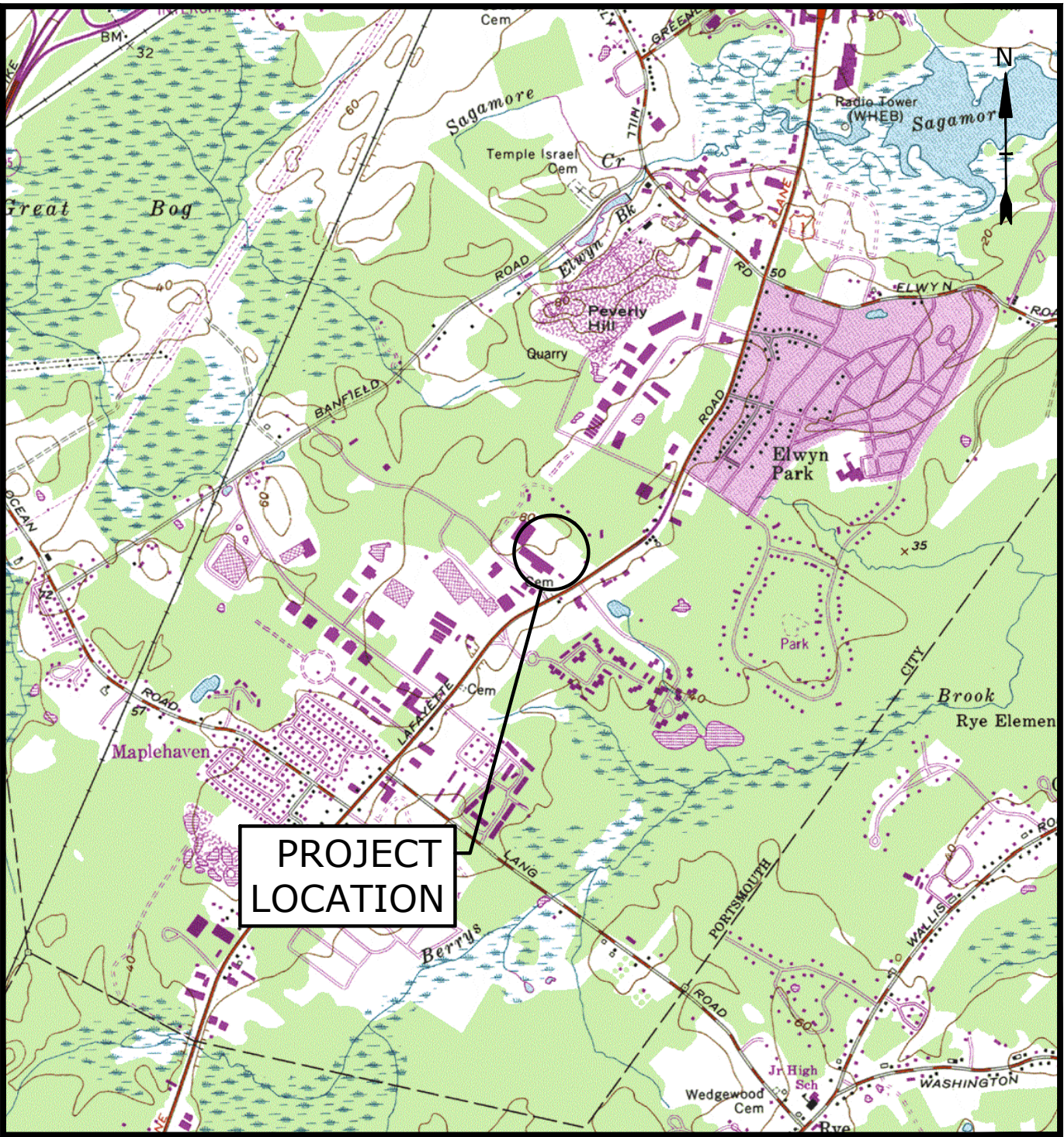
PORTSMOUTH, NEW HAMPSHIRE

PERMIT DRAWINGS

NOVEMBER 19, 2018

LIST OF DRAWINGS		
SHEET NO.	SHEET TITLE	LAST REVISED
	COVER SHEET	11/19/2018
C-1	PLAZA GENERAL NOTES SHEET	11/19/2018
C-2	PLAZA EXISTING CONDITIONS / DEMOLITION PLAN	11/19/2018
C-3	PLAZA OVERALL SITE PLAN	11/19/2018
C-3A	PLAZA SITE PLAN	11/19/2018
C-4	PLAZA GRADING, DRAINAGE & EROSION CONTROL PLAN	11/19/2018
C-5	PLAZA UTILITY PLAN	11/19/2018
C-6	PLAZA LANDSCAPE PLAN	11/19/2018
C-7	PLAZA PHOTOMETRICS PLAN	11/19/2018
C-8	EROSION CONTROL NOTES & DETAILS SHEET	11/19/2018
C-9	DETAILS SHEET	11/19/2018
C-10	DETAILS SHEET	11/19/2018
C-11	DETAILS SHEET	11/19/2018
C-12	DETAILS SHEET	11/19/2018
C-14	PLAZA TRUCK TURNING PLAN	11/19/2018
A101	FLOOR PLAN	10/04/2018
A200	EXTERIOR ELEVATIONS	10/04/2018
A201	EXTERIOR RENDERINGS	10/04/2018

LIST OF PERMITS & APPROVALS		
STATE	STATUS	DATE
NHDES ALTERATION OF TERRAIN	APPROVED	06/21/2016
NHDES SEWER CONNECTION PERMIT	APPROVED	08/16/2016
NHDOT DRIVEWAY PERMIT	APPROVED	12/22/2017
LOCAL		
SITE PLAN REVIEW	APPROVED	12/08/2017



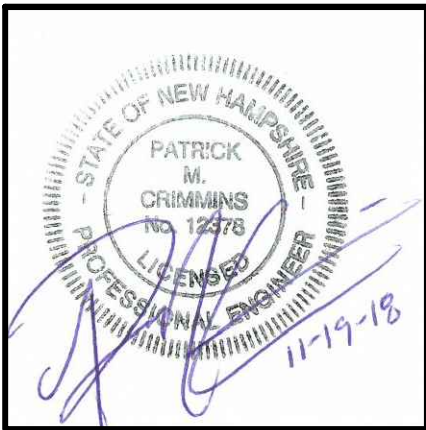
LOCATION MAP
SCALE: 1" = 2,000'

CONSTRUCTION NOTES:

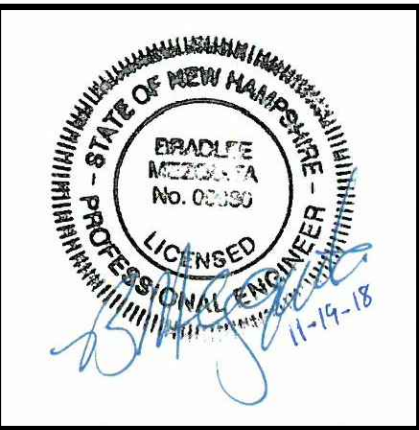
1. THE CONTRACTOR SHALL NOT RELY ON SCALED DIMENSIONS AND SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A REQUIRED DIMENSION IS NOT PROVIDED ON THE PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOUT CONSTRUCTION. NEITHER THE PLANS NOR THE SEAL OF THE ENGINEER AFFIXED HEREON EXTEND TO OR INCLUDE SYSTEMS REQUIRED FOR THE SAFETY OF THE CONTRACTOR, THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND IMPLEMENTING SAFETY PROCEDURES AND SYSTEMS AS REQUIRED BY THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ANY STATE OR LOCAL SAFETY REGULATIONS.
3. TIGHE & BOND, ASSUMES NO RESPONSIBILITY FOR ANY ISSUES LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION OF TIGHE & BOND.

PREPARED BY:

Tighe&Bond
Engineers | Environmental Specialists



PATRICK M. CRIMMINS P.E.



BRAD MEZQUITA P.E.

APPLICANT:

2422 Lafayette Road Associates, LLC
c/o Waterstone Retail Development
322 Reservoir Street, 2nd Floor
Needham, Massachusetts 02494

SURVEY CONSULTANT:

Doucet Survey, Inc.
102 Kent Place
Newmarket, NH 03110

ARCHITECT:

JD LaGrasse & Associates, Inc
One Elm Square
Andover, Massachusetts 01801

LANDSCAPE ARCHITECT:

Site Solutions, LLC
3715 Northside Parkway
300 Northcreek, Suite 720
Atlanta, Georgia 30327

COMPLETE SET 18 SHEETS



FILENAME: J:\V\W1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA\DWG-CAD\DESIGN\W-1725-4-DSGN.DWG
SAVE DATE: 11/19/2018 11:08 AM
PLOT DATE: 11/19/2018 11:11 AM

DEMOLITION NOTES:

1. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.
2. ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES.
3. COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.
4. ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO MATCH ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES. CALL DIG SAFE AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
6. SAWCUT AND REMOVE PAVEMENT ONE FOOT OFF PROPOSED EDGE OF PAVEMENT OR EXISTING CURB LINE IN ALL AREAS WHERE PAVEMENT TO BE REMOVED ABUTS EXISTING PAVEMENT OR CONCRETE TO REMAIN.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF ALL OF THE PERMIT APPROVALS.
8. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK, EXCEPT FOR WORK NOTED TO BE COMPLETED BY OTHERS.
10. UTILITIES SHALL BE TERMINATED AT THE MAIN LINE PER UTILITY COMPANY STANDARDS. THE CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITIES LOCATED WITHIN THE LIMITS OF WORK. CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINS AND UTILITIES PRIOR TO REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE AND SERVICES ANY ON OR OFF-SITE STRUCTURE TO REMAIN. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL PERMANENT SOLUTION IS IN PLACE.
11. PAVEMENT REMOVAL LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL PAVEMENT REMOVAL MAY BE REQUIRED DEPENDING ON THE CONTRACTOR'S OPERATION. CONTRACTOR TO VERIFY FULL LIMITS OF PAVEMENT REMOVAL PRIOR TO BID.
12. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE PADS, UTILITIES AND PAVEMENT WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. ITEMS TO BE REMOVED INCLUDE BUT ARE NOT LIMITED TO: CONCRETE, PAVEMENT, CURBS, LIGHTING, MANHOLES, CATCH BASINS, UNDERGROUND PIPING, POLES, STAIRS, SIGNS, FENCES, RAMPS, WALLS, BOLLARDS, TREES AND LANDSCAPING.
13. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAYS WITH THE CITY OF PORTSMOUTH AND NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
14. REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL GRUB AND REMOVE ALL STUMPS WITHIN LIMITS OF WORK AND DISPOSE OF OFF SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
15. CONTRACTOR SHALL CONDUCT CONSTRUCTION ACTIVITIES SO AS NOT TO DISTURB EXISTING BOUNDS OR OTHER PROPERTY LINE MONUMENTATION. SHOULD ANY PROPERTY LINE MONUMENTATION BE ACCIDENTALLY DISTURBED BY THE CONTRACTOR, HE SHALL EMPLOY A LICENSED LAND SURVEYOR TO RESET THE MONUMENT TO ITS ORIGINAL LOCATION, AND TO PREPARE A RECORDABLE PLAN CERTIFYING THE LOCATION OF THE RESET MONUMENT.
16. CONTRACTOR SHALL PROVIDE INLET PROTECTION BARRIERS AT ALL CATCH BASINS WITHIN CONSTRUCTION LIMITS AND MAINTAIN FOR THE DURATION OF THE PROJECT. INLET PROTECTION ALONG ROUTE ONE SHALL BE PROVIDED IF DETERMINED NECESSARY BY THE NHDOT. INLET PROTECTION BARRIERS SHALL BE "HIGH FLOW SILT SACKS" BY ACF ENVIRONMENTAL OR APPROVED EQUAL. INSPECT BARRIERS WEEKLY AND AFTER EACH RAIN OF 0.25 INCHES OR GREATER. CONTRACTOR SHALL COMPLETE A MAINTENANCE INSPECTION REPORT AFTER EACH INSPECTION. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED. INLET PROTECTION ALONG ROUTE ONE SHALL BE COORDINATED WITH THE NHDOT.
17. THE CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE CONTINUOUS SERVICE TO EXISTING BUSINESSES AND HOMES THROUGHOUT THE CONSTRUCTION PERIOD. EXISTING BUSINESS AND HOME SERVICES INCLUDE, BUT ARE NOT LIMITED TO ELECTRICAL, COMMUNICATION, FIRE PROTECTION, DOMESTIC WATER AND SEWER SERVICES, TEMPORARY SERVICES, IF REQUIRED, SHALL FULLY COMPLY WITH ALL FEDERAL, STATE, LOCAL AND UTILITY COMPANY STANDARDS. CONTRACTOR SHALL PROVIDE DETAILED CONSTRUCTION SCHEDULE TO OWNER PRIOR TO ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
18. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION ACTIVITIES.
19. THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.
20. SAWCUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL UTILITIES TO BE REMOVED AND PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN.
21. THE CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING GRANITE CURB FOR REUSE.
22. A CONSTRUCTION MANAGEMENT PLAN SHALL BE APPROVED PRIOR TO THE START OF DEMOLITION. DEMOLITION PLANS SHALL BE INCLUDED IN THE CONSTRUCTION MANAGEMENT PLAN DOCUMENT.
23. THE CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITIES LOCATED WITHIN THE LIMITS OF WORK. CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINS AND UTILITIES PRIOR TO REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE AND SERVICES ANY ON OR OFF-SITE STRUCTURE TO REMAIN. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL PERMANENT SOLUTION IS IN PLACE.
24. TREE PROTECTION SHALL BE CONSTRUCTED AROUND LANDSCAPING TO REMAIN. SEE LANDSCAPE PLAN FOR LANDSCAPING TO REMAIN.
25. ALL PAVEMENT SHALL BE RECLAIMED, REGRADED, AND REMOVED AS NECESSARY.
26. DEMOLITION LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL REMOVAL MAY BE REQUIRED DEPENDING ON THE CONTRACTOR'S OPERATION. CONTRACTOR TO VERIFY FULL LIMITS OF REMOVAL PRIOR TO SUBMITTING BID AND APPROVAL OF CMMP. ANY CHANGES SHALL BE PROVIDED TO THE CITY OF PORTSMOUTH.
27. CONTRACTOR SHALL NOTIFY CITY OF PORTSMOUTH PRIOR TO THE START OF ANY DEMOLITION ACTIVITIES.

SITE NOTES:

1. STRIPE PARKING AREA AS SHOWN, INCLUDING PARKING SPACES, STOP BARS, HANDICAP SYMBOLS, PAINTED ISLANDS, CROSS WALKS, ARROWS, LEGENDS AND CENTERLINES. STOP BARS, HANDICAP SYMBOLS, CROSS WALKS, ARROWS AND LEGENDS SHALL BE THERMOPLASTIC MATERIAL. PARKING SPACES AND PAINTED ISLANDS SHALL BE CONSTRUCTED USING WHITE TRAFFIC PAINT. CENTERLINES AND MEDIAN ISLANDS SHALL BE CONSTRUCTED USING YELLOW TRAFFIC PAINT. TRAFFIC PAINT SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F".
2. ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", AND THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS, LATEST EDITIONS.
3. SEE DETAILS FOR PARKING STALL MARKINGS, HANDICAP SYMBOLS, SIGNS AND SIGN POSTS.
4. CENTERLINES SHALL BE FOUR (4) INCH WIDE YELLOW LINES. STOP BARS SHALL BE EIGHTEEN (18) INCHES WIDE.
5. PAINTED ISLANDS SHALL BE FOUR (4) INCH WIDE DIAGONAL LINES AT 3'-0" O.C. BORDERED BY FOUR (4) INCH WIDE LINES.
6. THE CONTRACTOR SHALL EMPLOY A LICENSED ENGINEER/SURVEYOR TO DETERMINE ALL LINES AND GRADES. DESIGN ENGINEER TO PROVIDE COORDINATES FOR EDGE OF PAVEMENT, PC'S & PT'S.
7. CLEAN AND COAT VERTICAL FACE OF EXISTING PAVEMENT AT SAWCUT LINE WITH RS-1 EMULSION IMMEDIATELY PRIOR TO PLACING NEW BITUMINOUS CONCRETE.
8. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND/OR CITY CODES & SPECIFICATIONS.
9. CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (.DWG FILE) ON DISK TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.
10. SEE BUILDING DRAWINGS FOR ALL CONCRETE PADS & SIDEWALKS ADJACENT TO BUILDINGS.
11. ALL WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE CITY OF PORTSMOUTH CONSTRUCTION STANDARDS.
12. ALL LIGHT POLE BASES NOT PROTECTED BY A RAISED CURB SHALL BE PAINTED YELLOW.
13. COORDINATE ALL WORK ADJACENT TO BUILDING WITH BUILDING CONTRACTOR.

14. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

15. CONTRACTOR TO SUBMIT AS-BUILT PLANS IN DIGITAL FORMAT WHICH IS COMPATIBLE WITH THE CITY'S GIS FORMAT ON A DISK TO THE PORTSMOUTH DPW UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.
16. PROPERTY MANAGER WILL BE RESPONSIBLE FOR TIMELY SNOW REMOVAL FROM ALL PRIVATE SIDEWALKS, DRIVEWAYS, AND PARKING AREAS. SNOW REMOVAL WILL BE HAULED OFF-SITE AND LEGALLY DISPOSED OF WHEN SNOW STORAGE AREAS HAVE REACHED CAPACITY.
17. BIKE STORAGE WILL BE PROVIDED IN THE DEDICATED STORAGE UNITS PROPOSED ON THE SECOND STORY OF THE RESIDENTIAL BUILDING.
18. PROPERTY MANAGEMENT SHALL BE RESPONSIBLE FOR TIMELY SNOW REMOVAL FROM ALL PRIVATE SIDEWALKS, DRIVEWAYS, AND PARKING AREAS. SNOW SHALL BE HAULED OFF-SITE AND LEGALLY DISPOSED OF WHEN NECESSARY TO MAINTAIN ADEQUATE SNOW STORAGE AREAS.
19. THE MULTI-USE PATH SHALL BE COMPLETED WITHIN TWO MONTHS OF THE COMPLETION OF THE RESIDENTIAL DEVELOPMENT.
20. BASED ON THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES ONESTOP GIS MAPPING SERVICE THE PROPOSED DEVELOPMENT IS NOT LOCATED WITH A WELLHEAD PROTECTION AREA.
21. MEASURES USED TO MINIMIZE THE IMPERVIOUS SURFACES ON SITE HAVE BEEN IMPLEMENTED THROUGH THE USE OF PERVIOUS PAVER SIDEWALKS.

GRADING AND DRAINAGE NOTES:

1. COMPACTION REQUIREMENTS
BELOW PAVED OR CONCRETE AREAS 95%
TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL 95%
BELOW LOAM AND SEED AREAS 90%

*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, METHOD C FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1556 OR ASTM-2922.
2. ALL STORM DRAIN SHALL BE HIGH DENSITY POLYETHYLENE (HANCOR "HIO", ADS N-12, OR APPROVED EQUAL) UNLESS OTHERWISE NOTED.
3. ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PORTSMOUTH STANDARDS.
4. ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION.
5. SEE UTILITIES PLAN FOR ALL SITE UTILITY INFORMATION.
6. ADJUST ALL MANHOLES, CATCHBASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
7. CONTRACTOR SHALL PROVIDE A FINISH PAVEMENT SURFACE AND LAWN AREAS FREE OF LOW SPOTS AND PONDING AREAS. CRACK AREAS INCLUDE BUILDING ENTRANCES, EXITS, RAMPS AND LOADING DOCK AREAS ADJACENT TO THE BUILDING.
8. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL DRAINAGE STRUCTURES FREE OF SEDIMENT AND DEBRIS IMMEDIATELY UPON THE COMPLETION OF CONSTRUCTION. THESE DRAINAGE STRUCTURES SHALL INCLUDE ALL STRUCTURES THAT ARE WITHIN THE LIMIT OF WORK AND MUNICIPAL STRUCTURES THAT ARE DOWNSTREAM FROM THE PROJECT TIE-INS.
9. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.
10. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" LOAM, SEED FERTILIZER AND MULCH.
11. ALL PROPOSED CATCHBASINS SHALL BE EQUIPPED WITH OIL/GAS SEPARATOR HOODS AND 4' SUMPS.
12. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS AND CONSTRUCTION SPECIFICATIONS, LATEST REVISIONS.
13. CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (.DWG FILE) ON DISK TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.
14. SEE EXISTING CONDITIONS PLAN FOR BENCH MARK INFORMATION.
15. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF PORTSMOUTH APPROVED CONSTRUCTION MANAGEMENT PLAN PRIOR TO THE START OF CONSTRUCTION.
16. PROJECT SURVEY TO PROVIDE PERMANENT PROJECT BENCHMARKS.
17. TREE BOX FILTERS SHOULD NOT BE PLACED INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN STABILIZED.

EROSION CONTROL NOTES:

1. INSTALL EROSION CONTROL BARRIERS AS SHOWN AS FIRST ORDER OF WORK.
2. SEE GENERAL EROSION CONTROL NOTES ON EROSION CONTROL NOTES AND DETAIL SHEETS.
3. PROVIDE INLET PROTECTION AROUND ALL EXISTING AND PROPOSED CATCHBASIN INLETS WITHIN THE WORK LIMITS AND ON CITY MAINTAINED ROADS. INLET PROTECTION ON ROUTE ONE SHALL BE PROVIDED PER THE REQUIREMENTS OF THE NHDOT. MAINTAIN FOR THE DURATION OF THE PROJECT UNTIL PAVEMENT HAS BEEN INSTALLED.
4. TEMPORARY STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED AS REQUIRED FOR EACH PHASE OF CONSTRUCTION. EXISTING LOCATIONS OF TEMPORARY STABILIZED CONSTRUCTION ENTRANCES SHALL BE COORDINATED WITH THE ENGINEER AND THE CITY OF PORTSMOUTH PRIOR TO THE START OF CONSTRUCTION.
5. INSPECT INLET PROTECTION AND SILT FENCES DAILY AND AFTER EACH RAIN STORM OF 0.5 INCH OR GREATER. REPAIR/MODIFY PROTECTION AS NECESSARY TO MAXIMIZE EFFICIENCY OF FILTER. REPLACE ALL FILTERS WHEN SEDIMENT IS 1/3 THE FILTER HEIGHT.
6. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" LOAM, SEED, FERTILIZER AND MULCH.
7. CONSTRUCT EXCELSIOR MAT ON ALL SLOPES STEEPER THAN 3:1.
8. PRIOR TO ANY WORK OR SOIL DISTURBANCE COMMENCING ON THE SUBJECT PROPERTY, INCLUDING MOVING OF EARTH, THE APPLICANT SHALL INSTALL ALL EROSION AND SILTATION MITIGATION AND CONTROL MEASURES AS REQUIRED BY STATE AND LOCAL PERMITS AND APPROVALS.
9. CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE CONSTRUCTION PERIOD. DUST CONTROL MEASURES SHALL INCLUDE, BUT NOT LIMITED TO, SPRINKLING WATER ON UNSTABLE SOILS SUBJECT TO ARID CONDITIONS.
10. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION.
11. ALL CATCHBASIN SUMPS AND PIPING SHALL BE THOROUGHLY CLEANED TO REMOVE ALL SEDIMENT AND DEBRIS AFTER THE PROJECT HAS BEEN PAVED.
12. SAFETY FENCING SHALL BE PROVIDED AROUND STOCKPILES OVER 10 FT.
13. CONCRETE TRUCKS WILL BE REQUIRED TO WASH OUT (IF NECESSARY) SHOOTS ONLY WITHIN AREAS WHERE CONCRETE HAS BEEN PLACED. NO OTHER WASH OUT WILL BE ALLOWED.
14. SILT CONTROL MEASURES SHALL BE PROVIDED FOR CONSTRUCTION DEWATERING DISCHARGED TO EXISTING DRAINAGE STRUCTURES. A DEWATERING PLAN SHALL BE INCLUDED WITH THE CONSTRUCTION MANAGEMENT AND MITIGATION PLAN THAT IS TO BE APPROVED BY THE CITY OF PORTSMOUTH PRIOR TO THE START OF CONSTRUCTION.

UTILITIES NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES, AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
2. COORDINATE ALL UTILITY WORK WITH APPROPRIATE UTILITY COMPANY.
NATURAL GAS -UNITIL
WATER -CITY OF PORTSMOUTH DPW WATER DIVISION
SEWER -CITY OF PORTSMOUTH DPW SEWER DIVISION
ELECTRIC -EVERSOURCE
TELEPHONE -FAIRPORT COMMUNICATIONS
3. SEE EXISTING CONDITIONS PLAN FOR BENCHMARK INFORMATION.
4. SEE GRADING, DRAINAGE & EROSION CONTROL PLANS FOR PROPOSED GRADING AND EROSION CONTROL MEASURES.
5. ALL WATER MAIN INSTALLATIONS SHALL BE CLASS 52, CEMENT LINED DUCTILE IRON PIPE.

6. ALL WATERMAIN INSTALLATIONS SHALL BE PRESSURE TESTED AND CHLORINATED AFTER CONSTRUCTION PRIOR TO ACTIVATING THE SYSTEM. CONTRACTOR SHALL COORDINATE CHLORINATION AND TESTING WITH THE CITY OF PORTSMOUTH DPW WATER DIVISION. ALL LEAKAGE TESTING SHALL CONFORM TO AWWA STANDARDS AND REPAIRED TO MEET STANDARDS AS NECESSARY.
7. ALL SEWER PIPE SHALL BE PVC SDR 35 UNLESS OTHERWISE STATED.
8. ALL WORK WITHIN THE CITY ROW SHALL BE COORDINATED WITH CITY OF PORTSMOUTH. ALL WORK WITHIN THE STATE ROW SHALL BE COORDINATED WITH THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
9. CONTRACTOR SHALL MAINTAIN UTILITY SERVICES TO EXISTING BUSINESSES AND ABUTTING PROPERTIES THROUGHOUT CONSTRUCTION.
10. CONNECTION TO EXISTING WATERMAIN SHALL BE CONSTRUCTED TO CITY OF PORTSMOUTH CONSTRUCTION STANDARDS.
11. EXISTING UTILITIES TO BE REMOVED SHALL BE CAPPED AT THE MAIN AND MEET THE DEPARTMENT OF PUBLIC WORKS STANDARDS FOR CAPPING OF WATER AND SEWER SERVICES.
12. ALL ELECTRICAL MATERIAL WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, LATEST EDITION, AND ALL APPLICABLE STATE AND LOCAL CODES.
13. THE EXACT LOCATION OF NEW UTILITY SERVICES AND CONNECTIONS SHALL BE COORDINATED WITH THE BUILDING DRAWINGS AND THE UTILITY COMPANIES.
14. ADJUST ALL MANHOLES, CATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
15. ALL UNDERGROUND CONDUITS SHALL HAVE NYLON PULL ROPES TO FACILITATE PULLING CABLES.
16. THE CONTRACTOR SHALL OBTAIN, PAY FOR, AND COMPLY WITH ALL REQUIRED PERMITS, ARRANGE FOR ALL INSPECTIONS, AND SUBMIT COPIES OF ACCEPTANCE CERTIFICATES TO THE OWNER PRIOR TO THE COMPLETION OF THIS PROJECT.
17. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER INSTALLATION OF UTILITIES COMPLETE AND OPERATIONAL.
18. CONTRACTOR SHALL PROVIDE EXCAVATION, BEDDING, BACKFILL AND COMPACTION FOR NATURAL GAS AND ELECTRIC SERVICES.
19. A 10-FOOT MINIMUM EDGE TO EDGE HORIZONTAL SEPARATION SHALL BE PROVIDED BETWEEN ALL WATER AND SANITARY SEWER LINES. AN 18-INCH MINIMUM OUTSIDE TO OUTSIDE VERTICAL SEPARATION SHALL BE PROVIDED AT ALL WATER/SANITARY SEWER CROSSINGS.
20. THE CONTRACTOR SHALL CONTACT "DIG-SAFE" 72 HOURS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL HAVE THE "DIG-SAFE" NUMBER ON SITE AT ALL TIMES.
21. SAWCUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN
22. HYDRANTS, GATE VALVES, FITTINGS, ETC. SHALL MEET THE REQUIREMENTS OF THE CITY OF PORTSMOUTH DPW WATER DIVISION.
23. COORDINATE TESTING OF SEWER CONSTRUCTION WITH THE CITY OF PORTSMOUTH.
24. CONTRACTOR SHALL COORDINATE ALL ELECTRIC WORK INCLUDING BUT NOT LIMITED TO: CONDUIT CONSTRUCTION, MANHOLE CONSTRUCTION, UTILITY POLE CONSTRUCTION, OVERHEAD WIRE RELOCATION, AND TRANSFORMER CONSTRUCTION WITH POWER COMPANY.
25. CONTRACTOR SHALL PHASE UTILITY CONSTRUCTION, PARTICULARLY WATER MAIN AND GAS MAIN CONSTRUCTION AS TO MAINTAIN CONTINUOUS SERVICE TO EXISTING BUSINESSES AND ABUTTING PROPERTIES. CONTRACTOR SHALL COORDINATE TEMPORARY SERVICES TO EXISTING BUSINESSES AND ABUTTERS WITH THE UTILITY COMPANY AND AFFECTED ABUTTER.
26. CONTRACTOR TO SUBMIT AS-BUILT PLANS IN DIGITAL FORMAT WHICH IS COMPATIBLE WITH THE CITY'S GIS FORMAT ON A DISK TO THE PORTSMOUTH DPW, OWNER, AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.
27. COORDINATE ALL GREASE TRAP INSTALLATIONS/RELOCATIONS WITH CITY OF PORTSMOUTH WATER/SEWER ENGINEER.
28. THE APPLICANT SHALL HAVE A SITE SURVEY CONDUCTED BY A RADIO COMMUNICATIONS CARRIER APPROVED BY THE CITY'S COMMUNICATION DIVISION. THE RADIO COMMUNICATIONS CARRIER MUST BE FAMILIAR AND CONVERSANT WITH THE POLICE AND FIRE RADIO CONFIGURATION. IF THE SITE SURVEY INDICATES IT IS NECESSARY TO INSTALL A SIGNAL REPEATER EITHER ON OR NEAR THE PROPOSED PROJECT, THOSE COSTS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE OWNER SHALL COORDINATE WITH THE SUPERVISOR OF RADIO COMMUNICATIONS FOR THE CITY.
29. EACH OF THE NEW BUILDINGS SHALL INCLUDE A SEPARATE KNOX BOX. EACH NEW TENANT SHALL HAVE A SEPARATE FIRE ALARM SYSTEM AND SHALL COMPLY WITH ANY APPLICABLE NFPA CODES AND STANDARDS. KNOX BOX LOCATIONS AND FIRE ALARM SYSTEMS SHALL BE COORDINATED WITH THE CITY OF PORTSMOUTH FIRE DEPARTMENT.
30. ALL WATER MAIN PIPE AND FITTINGS SHALL BE POLYWRAPPED AND THREE (3) BRASS WEDGES SHALL BE INSTALLED AT ALL NON-CONDUCTIVE PIPE JOINTS.
31. SHOP DRAWINGS SUBMITTALS SHALL BE SENT TO ENGINEER OF RECORD AND TO 3RD PARTY INSPECTOR AND PORTSMOUTH DPW FOR REVIEW/APPROVAL. ENGINEER OF RECORD SHALL INDICATE CONFORMANCE TO PLANS OR NOTE THE DEVIATION PRIOR TO SENDING TO 3RD PARTY INSPECTOR AND DPW.

LANDSCAPE NOTES:

1. THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS IN QUANTITIES AS SHOWN ON THIS PLAN. NO SUBSTITUTIONS WILL BE PERMITTED UNLESS APPROVED BY OWNER AND CITY. ALL PLANTS SHALL BE NURSERY GROWN.
2. ALL PLANTS SHALL BE NURSERY GROWN AND PLANTS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS INCLUDING BUT NOT LIMITED TO SIZE, HEALTH, SHAPE, ETC., AND SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO ARRIVAL ON-SITE AND AFTER PLANTING.
3. PLANT STOCK SHALL BE GROWN WITHIN THE HARDINESS ZONES 4 THRU 7 ESTABLISHED BY THE PLANT HARDINESS ZONE MAP. MISCELLANEOUS PUBLICATION NO. 814, AGRICULTURAL RESEARCH SERVICE, UNITED STATES DEPARTMENT AGRICULTURE, LATEST REVISION.
4. ALL PLANTS MUST BE MOVED WITH THE ROOT SYSTEMS AS SOLID UNITS WITH BALLS OF EARTH FIRMLY WRAPPED WITH BURLAP. NO PLANT SHALL BE BART OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN BEFORE PLANTING. ALL PLANTS SHALL BE FRESHLY DUG. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HEeled-IN BY SETTING IN THE GROUND, AND COVERING THE BALLS WITH SOIL AND THEN WATERING. DURING TRANSPORT, ALL PLANT MATERIALS SHALL BE WRAPPED WITH WIND PROOF COVERING.
5. PLANT MATERIAL SHALL BARE THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE ORIGINAL PLANTING GRADE PRIOR TO DIGGING.
6. THE NUMBER OF EACH INDIVIDUAL PLANT TYPE AND SIZE PROVIDED IN THE PLANT LIST OR ON THE PLAN IS FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF A DISCREPANCY EXISTS BETWEEN THE NUMBER OF PLANTS ON THE LABEL AND THE NUMBER OF SYMBOLS SHOWN ON THE DRAWINGS, THE GREATER NUMBER SHALL APPLY.
7. NO SUBSTITUTION OF PLANT MATERIALS WILL BE ALLOWED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR SHALL LOCATE, VERIFY AND MARK ALL EXISTING AND NEWLY INSTALLED UNDERGROUND UTILITIES PRIOR TO ANY LAWN WORK OR PLANTING. ANY CONFLICTS WHICH MIGHT OCCUR BETWEEN PLANTING AND UTILITIES SHALL IMMEDIATELY BE REPORTED TO THE OWNER SO THAT ALTERNATE PLANTING LOCATIONS CAN BE DETERMINED.
9. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED, SHALL RECEIVE FOUR (4) INCHES OF LOAM AND SEED. NO FILL SHALL BE PLACED IN ANY WETLAND AREA.
10. THREE (3) INCH BARK MULCH IS TO BE USED AROUND THE TREE AND SHRUB PLANTING AS SPECIFIED IN THE DETAILS. WHERE BARK MULCH IS TO BE USED IN A CURBED ISLAND THE BARK MULCH SHALL MEET THE TOP INSIDE EDGE OF THE CURB. ALL OTHER AREAS SHALL RECEIVE FOUR (4) INCHES OF LOAM AND SEED.
11. SEE PLANTING DETAILS FOR WEED BARRIER INFORMATION.
12. SEE PLANTING DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
13. TREE STAKES SHALL REMAIN IN PLACE FOR NO LESS THAN 6 MONTHS AND NO MORE THAN 1 YEAR.
14. PLANTING SHALL BE COMPLETED FROM APRIL 15TH THROUGH OCTOBER 1ST. NO PLANTING DURING JULY AND AUGUST UNLESS SPECIAL PROVISIONS ARE MADE FOR DROUGHT.
15. PARKING AREA PLANTED ISLANDS TO HAVE MINIMUM OF 1'-0" TOPSOIL PLACED TO THE TOP OF CURB ELEVATION. REMOVE ALL CONSTRUCTION DEBRIS BEFORE PLACING TOPSOIL.
16. TREES SHALL BE PRUNED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI A300 "TREES, SHRUBS AND OTHER WOOD PLANT MAINTENANCE STANDARD PRACTICES.
17. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL BE WATERED WEEKLY, OR MORE OFTEN, IF NECESSARY DURING THE FIRST GROWING SEASON.
18. EXISTING TREES SHOWN ON THE PLAN ARE TO REMAIN UNDISTURBED. ALL EXISTING TREES SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4-FOOT SNOW FENCE PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK. ANY EXISTING TREE SHOWN TO REMAIN, WHICH IS REMOVED DURING CONSTRUCTION, SHALL BE REPLACED BY A COMPARABLE SIZE AND SPECIES TREE.

19. THE CONTRACTOR SHALL GUARANTEE ALL PLANTINGS TO BE IN GOOD HEALTHY, FLOURISHING AND ACCEPTABLE CONDITION FOR A PERIOD OF (1) YEAR BEGINNING AT THE DATE OF ACCEPTANCE OF SUBSTANTIAL COMPLETION. ALL GRASSES, TREES AND SHRUBS THAT, IN THE OPINION OF THE LANDSCAPE ARCHITECT, SHOW LESS THAN 80% HEALTHY GROWTH AT THE END OF (1) YEAR PERIOD SHALL BE REPLACED IN KIND BY THE CONTRACTOR. AFTER THE (1) YEAR GUARANTEED PERIOD, SHOULD ANY TREES ON SITE DIE, THEY SHALL BE REPLACED IN KIND BY THE OWNER.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANTING AND LAWNS AGAINST DAMAGE FROM ONGOING CONSTRUCTION. THIS PROTECTION SHALL BEGIN AT THE TIME THE PLANT IS INSTALLED AND CONTINUE UNTIL THE FORMAL ACCEPTANCE OF ALL THE PLANTINGS.
21. PRE-PURCHASE PLANT MATERIAL AND ARRANGE FOR DELIVERY TO MEET PROJECT SCHEDULE AS REQUIRED IT MAY BE NECESSARY TO PRE-DIG CERTAIN SPECIES WELL IN ADVANCE OF ACTUAL PLANTING DATES.
22. BENCHES TO BE VICTOR STANLEY CLASSIC SERIES MODEL C-10 (6' LONG WITH MAHOGANY WOOD SLATS) OR APPROVED EQUAL. BOLT BENCH TO SIDEWALK WITH STAINLESS STEEL HARDWARE.

REFERENCE PLANS:

1. "STANDARD BOUNDARY SURVEY MAP 273 -- LOT 3 FOR LAFAYETTE PLAZA, LLC" DATED FEBRUARY 2004 BY AMBIT ENGINEERING, INC. R.C.R.D. PLAN D-34306.
2. "CONDOMINIUM SITE PLAN OF PORTSMOUTH GREEN CONDOMINIUM FOR 2422 LAFAYETTE ROAD ASSOCIATES, LLC C/O WATERSTONE RETAIL, TAX MAP 273 LOT 3, 2454 LAFAYETTE ROAD (US TOUTE 1) PORTSMOUTH, NEW HAMPSHIRE" DATED OCTOBER XX, 2016 BY DOUCET SURVEY, INC. TO BE RECORDED IN THE R.C.R.D'.
3. "SOUTHGATE PLAZA RESIDENTIAL DEVELOPMENT, 2454 LAFAYETTE ROAD PORTSMOUTH NEW HAMPSHIRE SITE PLANS" DATED JANUARY 19, 2016 (REVISED SEPTEMBER 26, 2016) BY TIGHE & BOND CONSULTING ENGINEERS.
4. "PROPOSED EASEMENT PLAN" FOR 2422 LAFAYETTE ROAD ASSOCIATES, LLC C/O WATERSTONE RETAIL. DATED OCTOBER 26, 2016 BY DOUCET SURVEY, INC.

ABUTTERS

- TAX MAP 273 LOT 5
BELLWOOD ASSOCIATES LTD PARTNERSHIP
C/O FESTIVAL FUN PARK
PO BOX 543185
DALLAS, TX 75354
R.C.R.D. 3471/2972
- TAX MAP 273 LOT 2-1
MCLAUGHLIN MOVING CO INC
75 CONSTITUTION AVE
PORTSMOUTH, NH 03801
R.C.R.D. 2387/132
- TAX MAP 273 LOT 2-2
MCLAUGHLIN MOVING CO INC
75 CONSTITUTION AVE
PORTSMOUTH, NH 03801
R.C.R.D. 2387/132
- TAX MAP 273 LOT 2-4
MCLAUGHLIN MOVING CO INC
75 CONSTITUTION AVE
PORTSMOUTH, NH 03801
R.C.R.D. 2404/1899
- TAX MAP 273 LOT 2-5000
O ICE LLC
ATTN: PM DEPT #2422
11995 EL CAMINO REAL
SAN DIEGO, CA 92130
R.C.R.D. 4847/2169
- TAX MAP 273
LOT 0
- TAX MAP 272
LOT 9-6
- TAX MAP 272 LOT 8-2
GAIL NELSON
47 STONEWALL RD
ALTON, NH 03809
R.C.R.D. 5231/1684
- TAX MAP 272 LOT 7
ALISSA C BOURNIVAL
REV LIVING TRUST
PO BOX 855
NORTH HAMPTON, NH 03862
R.C.R.D. 5572/1895
- TAX MAP 272 LOT 6-27
STEVE LOUIE
204 SPRINGBROOK CIR
PORTSMOUTH, NH 03801
R.C.R.D. 5719/1628
- TAX MAP 272 LOT 10
RYE PORT PROPERTIES LLC
PO BOX 345
STRATHAM, NH 03885
R.C.R.D. 5083/763
- TAX MAP 273 LOT 6
FIRST COLEBROOK BANK
ATTN: FINANCE DEPARTMENT
132 MAIN ST
COLEBROOK, NH 03576
R.C.R.D. 5364/192
- TAX MAP 273 LOT 5
BELLWOOD ASSOCIATES LTD PARTNERSHIP
C/O FESTIVAL FUN PARK
PO BOX 543185
DALLAS, TX 75354
R.C.R.D. 3471/2972



**Waterstone Retail
Development**

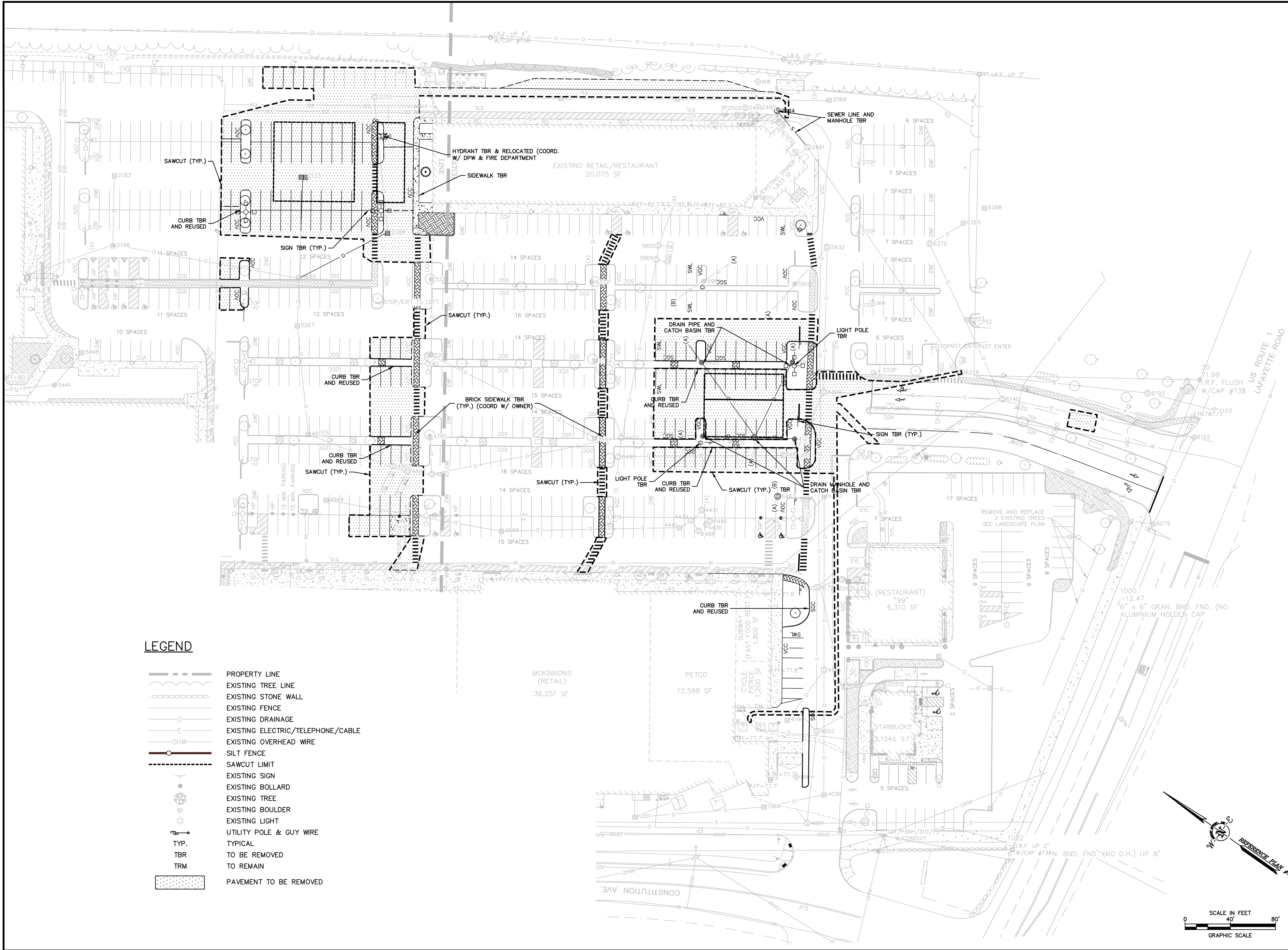
**Southgate Plaza
Redevelopment**

A	11/19/18	TAC Submission
Mark	Date	Description
PROJECT NO: W1725		
FILE: W-1725-4-DSGN.dwg		
DRAWN BY: NAH/CML		
CHECKED: PMC		
APPROVED BY: BLM/PMC		

PLAZA GENERAL NOTES SHEET

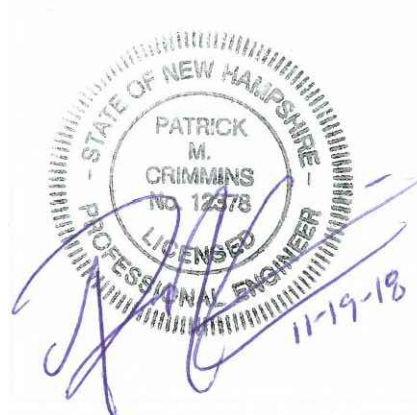
SCALE: AS SHOWN

FILENAME: J:\W1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA\DWG-CAD\DESIGN\W-1725-4-DSGN.DWG
SAVE DATE: 11/19/2018 11:06 AM
PLOT DATE: 11/19/2018 11:12 AM



LEGEND

- PROPERTY LINE
- EXISTING TREE LINE
- EXISTING STONE WALL
- EXISTING FENCE
- EXISTING DRAINAGE
- EXISTING ELECTRIC/TELEPHONE/CABLE
- EXISTING OVERHEAD WIRE
- SILT FENCE
- SAWCUT LIMIT
- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING TREE
- EXISTING BOULDER
- EXISTING LIGHT
- UTILITY POLE & GUY WIRE
- TYP. TO BE REMOVED
- TBR TO REMAIN
- TRM PAVEMENT TO BE REMOVED



Waterstone Retail Development

Southgate Plaza Redevelopment

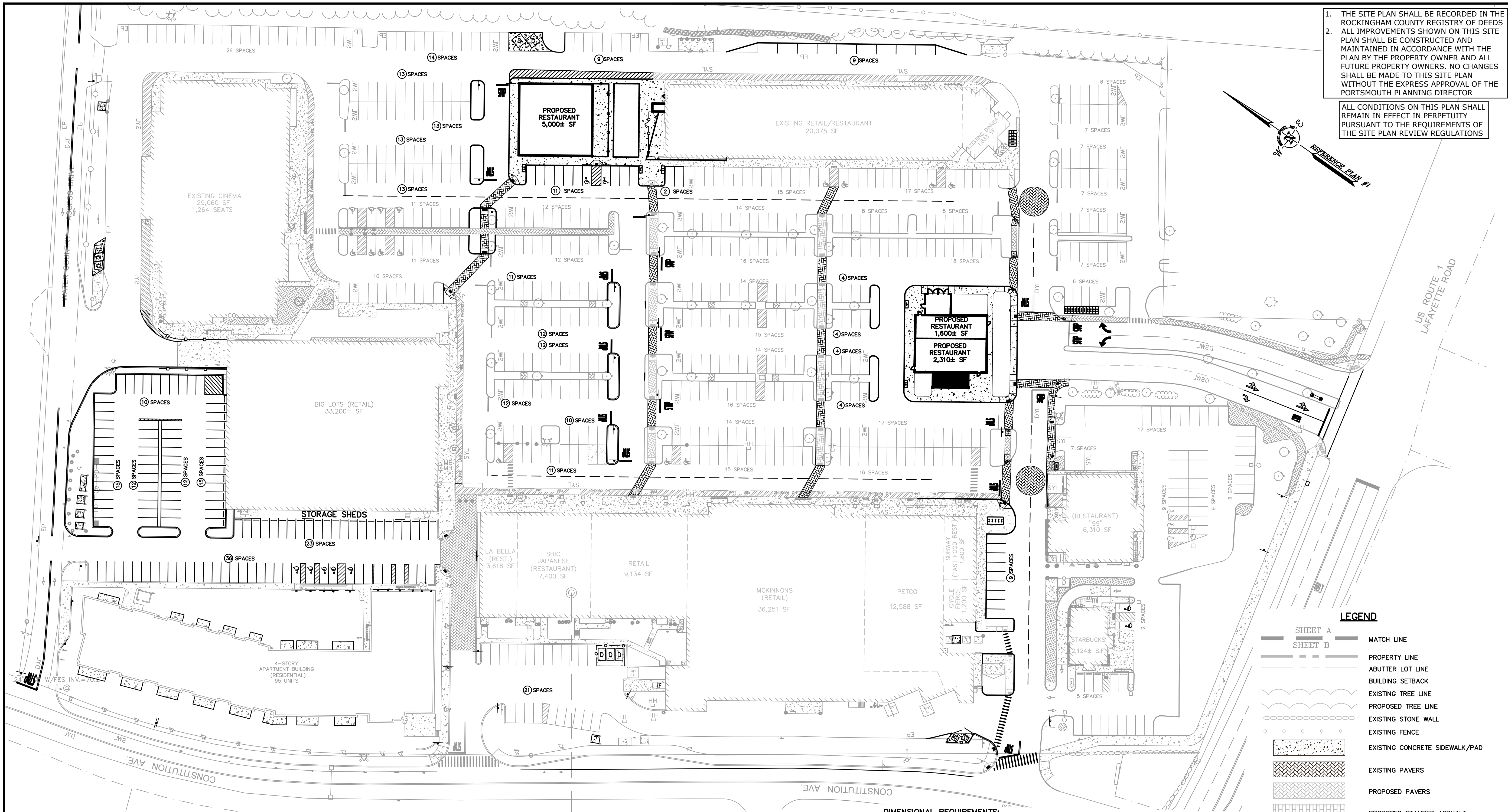
Portsmouth,
New Hampshire

PROJECT NO:	W1725
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DRAWN BY:	NAH/CML
CHECKED:	PMC
APPROVED BY:	BLM/PMC

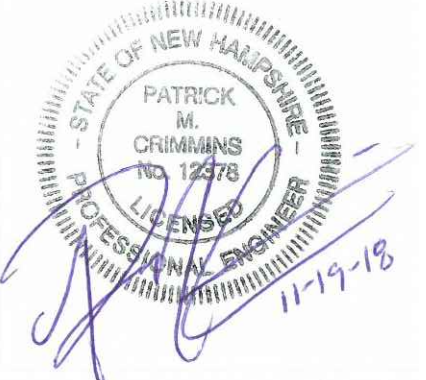
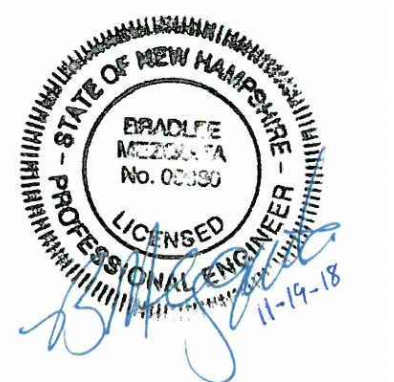
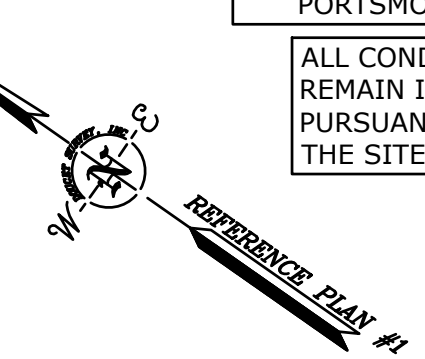
PLAZA EXISTING CONDITIONS /
DEMOLITION PLAN

SCALE: AS SHOWN

FILENAME: J:\W-1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA (DMG-CAD DESIGN)\W-1725-4-DSGN.DWG
SAVE DATE: 11/19/2018 11:06 AM
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1. THE SITE PLAN SHALL BE RECORDED IN THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
 2. ALL IMPROVEMENTS SHOWN ON THIS SITE PLAN SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PLAN BY THE PROPERTY OWNER AND ALL FUTURE PROPERTY OWNERS. NO CHANGES SHALL BE MADE TO THIS SITE PLAN WITHOUT THE EXPRESS APPROVAL OF THE PORTSMOUTH PLANNING DIRECTOR.
- ALL CONDITIONS ON THIS PLAN SHALL REMAIN IN EFFECT IN PERPETUITY PURSUANT TO THE REQUIREMENTS OF THE SITE PLAN REVIEW REGULATIONS



LEGEND	
	MATCH LINE
	PROPERTY LINE
	ABUTTER LOT LINE
	BUILDING SETBACK
	EXISTING TREE LINE
	PROPOSED TREE LINE
	EXISTING STONE WALL
	EXISTING FENCE
	EXISTING CONCRETE SIDEWALK/PAD
	EXISTING PAVERS
	PROPOSED PAVERS
	PROPOSED STAMPED ASPHALT
	PROPOSED CONCRETE SIDEWALK/PAD
	PROPOSED BITUMINOUS CONCRETE
	EXISTING SIGN
	PROPOSED SIGN
	EXISTING LIGHT
	LIGHT POLE BASE
	EXISTING BOLLARD
	PROPOSED BOLLARD
	EXISTING TRAFFIC SIGNAL
	PROPOSED EDGE OF PAVEMENT
	VERTICAL GRANITE CURBING
	SLOPED GRANITE CURBING
	MONOLITHIC CONCRETE CURB
	CAPE COD BERM
	RADIUS
	DOUBLE YELLOW CENTERLINE
	SINGLE SOLID WHITE LINE
	SINGLE DASHED WHITE LINE
	PROPOSED PARKING SPACES
	EXISTING PARKING SPACES

PARKING CALCULATIONS:		LOADING CALCULATIONS:	
SHOPPING CENTER: MIN.=1 SPACE PER 350 SF GFA MAX.=1 SPACE PER 250 SF GFA		RETAIL: 0 SPACES FOR 0 - 10,000 SF 1 SPACE FOR 10,001 - 25,000 SF 2 SPACES FOR 25,001 - 60,000 SF	
RESIDENTIAL: MIN.=1.3 SPACE PER DWELLING UNIT MAX.=1.8 SPACE PER DWELLING UNIT		OTHER NON-RESIDENTIAL: 0 SPACES FOR 0 - 10,000 SF 1 SPACE FOR 10,001 SF - 40,000 SF	
SHOPPING CENTER:	AREA (SF):	MIN. REQ'D	PROVIDED
TENANT:			
PETCO	±12,588		
CYCLE FIERCE	±1,200		
EXISTING RETAIL/RESTAURANT	±20,075		
LA BELLA	±3,616		
SHIO JAPANESE	±7,400		
BIG LOTS	±33,200		
SUBWAY	±1,800		
THE 99	±6,310		
McKINNON'S	±36,251		
RETAIL	±9,134		
DINER	±1,833		
CINEMA	±29,060		
PROPOSED RESTAURANT	±5,000		
PROPOSED RESTAURANT	±1,600		
PROPOSED RESTAURANT	±2,310		
STARBUCKS	±2,124		
TOTAL SHOPPING CENTER	±173,501	496	694
RESIDENTIAL:			
PROPOSED RESIDENTIAL (LOBBY)	±2,413	N/A	N/A
DWELLING UNITS—FLOORS 1-4	95 UNITS	124	171
TOTAL PARKING		620	865

SITE DATA	
LOCATION:	2454 LAFAYETTE ROAD PORTSMOUTH, NEW HAMPSHIRE MAP 273 LOT 3
ZONING DISTRICT:	GATEWAY PLANNED DEVELOPMENT (GPD) IN GATEWAY DISTRICT (GW)
PERMITTED USE:	SHOPPING CENTER/RESIDENTIAL
PARKING REQUIREMENTS:	
TOTAL PARKING SPACES:	REQUIRED 617, MAX. ALLOWED 861, PROVIDED 760*
ACCESSIBLE SPACES (2% OF TOTAL):	REQUIRED 14, MAX. ALLOWED 23, PROVIDED 23
VAN ACCESSIBLE SPACES (1 PER 8 ACCESSIBLE SPACES):	REQUIRED 3, MAX. ALLOWED 16, PROVIDED 16
PARKING STALL SIZE:	REQUIRED 8.5 FT X 19 FT, PROVIDED 9.0 FT X 19 FT
DRIVE AISLE:	REQUIRED 24 FT, PROVIDED 24 FT, 26 FT
LOADING REQUIREMENTS:	
TOTAL LOADING SPACES:	REQUIRED 9, PROVIDED 16
LOADING BERTH SIZE:	REQUIRED 12 FT X 20 FT, PROVIDED 12 FT X 20 FT
FIRST REQUIRED BERTH:	REQUIRED 12 FT X 45 FT, PROVIDED 12 FT X 45 FT
ADDITIONAL REQUIRED BERTH:	REQUIRED 12 FT X 45 FT, PROVIDED 12 FT X 45 FT

DIMENSIONAL REQUIREMENTS:	
DEVELOPMENT INTENSITY:	REQUIRED 1.0, PROVIDED 0.34
MAXIMUM FLOOR RATIO:	REQUIRED 1.0, PROVIDED 0.34
MINIMUM LOT AREA PER DWELLING UNIT:	REQUIRED 237,500 SF (95 UNITS X 2,500 SF/UNIT), PROVIDED 814,896 SF
RESIDENTIAL AREA RATIO:	REQUIRED 30% - 70%, PROVIDED 38%
LOT REQUIREMENTS:	
MINIMUM CONTINUOUS STREET FRONTAGE:	REQUIRED 100 FT, PROVIDED ±450 FT
MAXIMUM BUILDING COVERAGE:	REQUIRED 75%, PROVIDED ±22.6%
MINIMUM OPEN SPACE:	REQUIRED 20%, PROVIDED ±20.0%
MINIMUM PERCENT OF LOT FRONTAGE OPEN SPACE OR BUILDING:	REQUIRED 60%, PROVIDED ±84%
MINIMUM FRONT YARD FROM CENTERLINE OF LAFAYETTE:	REQUIRED 90 FT, PROVIDED ±151 FT(1)
MAXIMUM FRONT YARD FROM CENTERLINE OF LAFAYETTE:	REQUIRED 45 FT (1.5 X 30FT), PROVIDED 51'-7"(2)
MAXIMUM BUILDING HEIGHT:	REQUIRED 9.874 SF (1% OF TOTAL LOT AREA + 1% OF NON-RESIDENTIAL GFA), PROVIDED 34,760 SF
SITE DESIGN STANDARDS:	REQUIRED 50 FT, PROVIDED ±21.9 FT(1)(2)
PEDESTRIAN ORIENTED SPACE:	REQUIRED 15% OF OFF-STREET PARKING, PROVIDED 108 SPACES
PARKING SETBACKS:	REQUIRED 678 SPACES*0.15=102 SPACES, PROVIDED 8 FT
BICYCLE PARKING:	REQUIRED 8 FT, PROVIDED 150 FT APART IN PARKING LOTS
PEDESTRIAN WALKWAY THROUGHOUT SITE:	REQUIRED 8 FT, PROVIDED 150 FT APART IN PARKING LOTS
WALKWAYS:	REQUIRED 8 FT, PROVIDED 150 FT APART IN PARKING LOTS
* VARIANCE GRANTED BY BOARD OF ADJUSTMENT ON JULY 24, 2012 FOR UP TO 848 SPACES	

Waterstone Retail Development

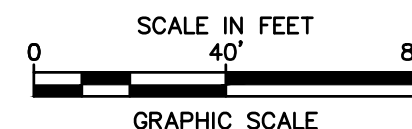
Southgate Plaza Redevelopment

Portsmouth,
New Hampshire

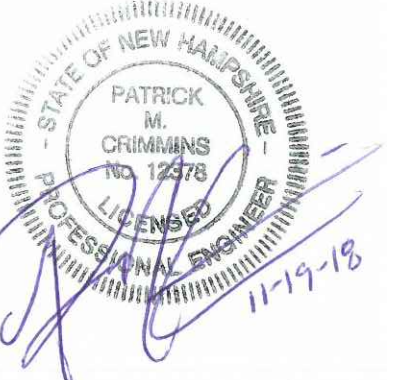
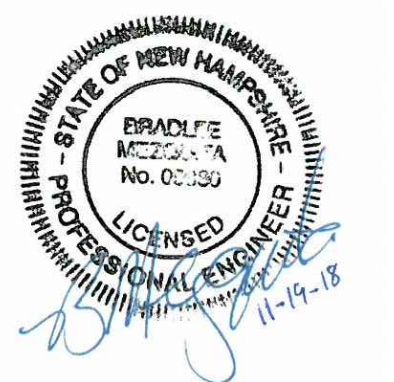
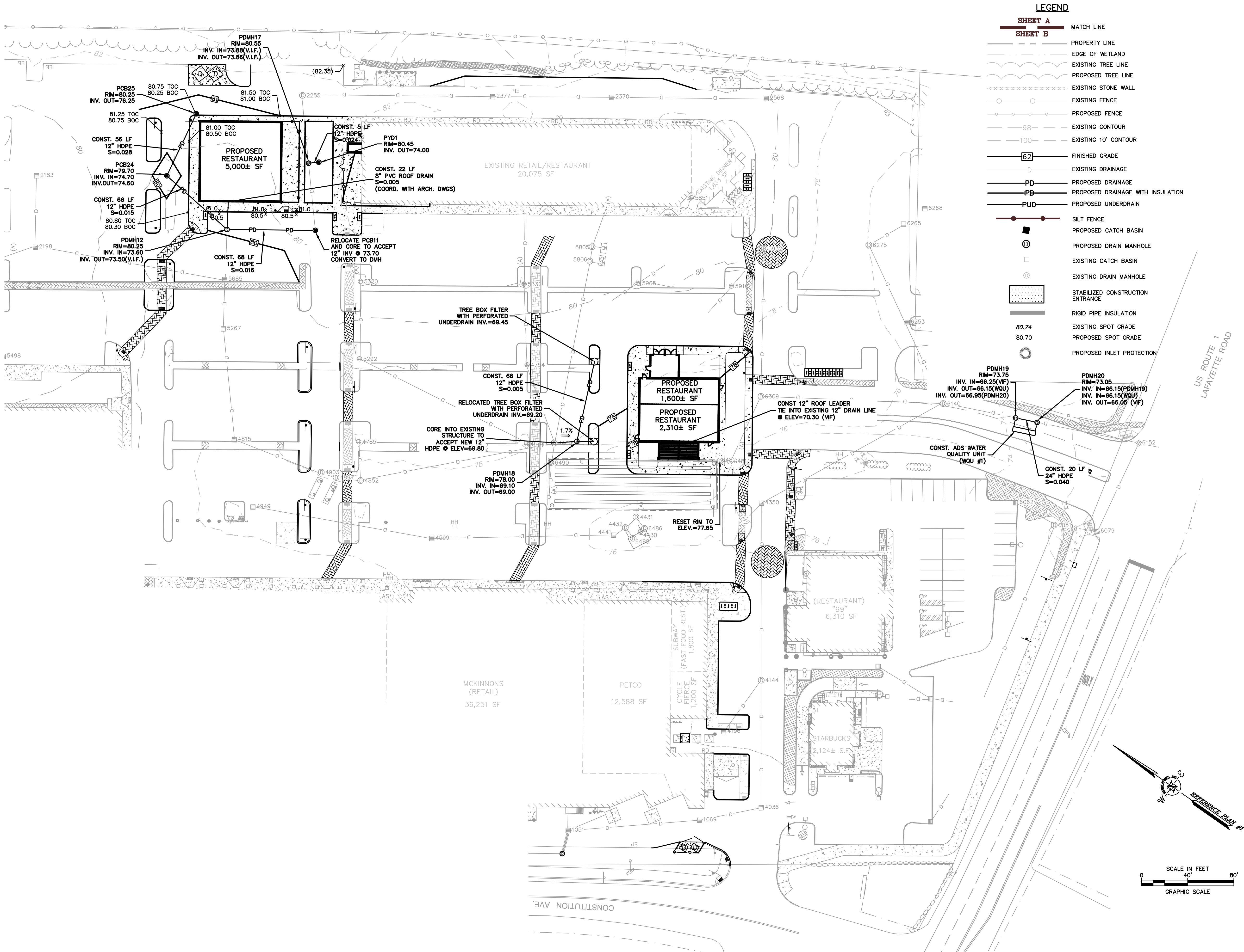
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FILE:	W-1725-4-DSGN.dwg
DRAWN BY:	NAH/CML
CHECKED:	PMC
APPROVED BY:	BLM/PMC
PLAZA OVERALL SITE PLAN	
SCALE:	AS SHOWN
C-3	

Portsmouth,
New Hampshire

C-3A



FILENAME: J:\W1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA\DWG-CAD\DESIGN\W-1725-4-DSGN.DWG
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Waterstone Retail Development

Southgate Plaza Redevelopment

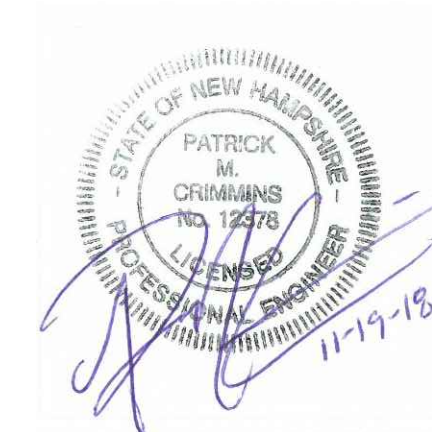
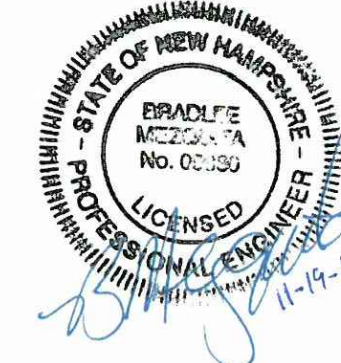
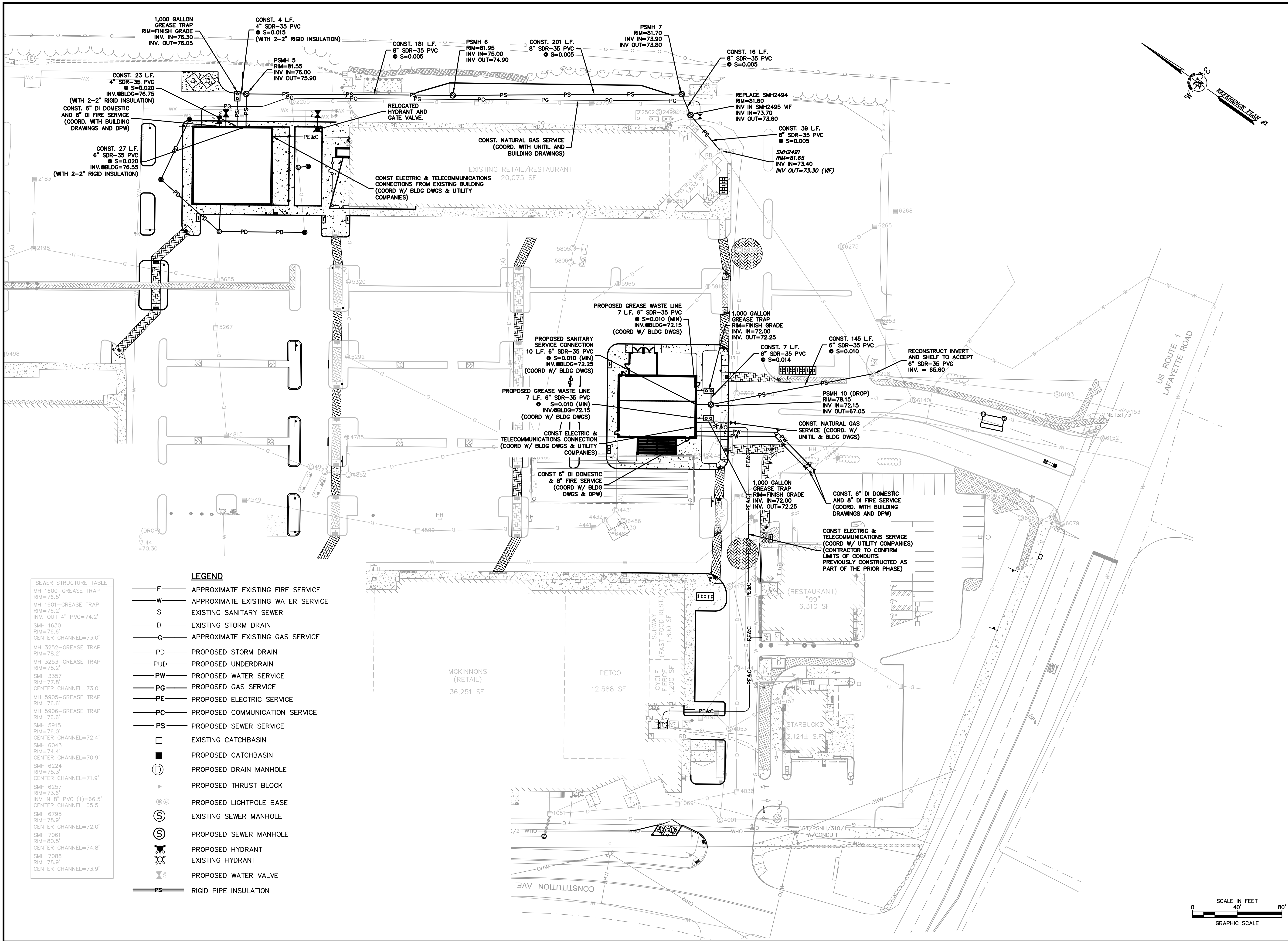
Portsmouth,
New Hampshire

PROJECT NO:	W1725
FILE:	W-1725-4-DSGN.dwg
DRAWN BY:	NAH/CML
CHECKED:	PMC
APPROVED BY:	BLM/PMC

PLAZA GRADING, DRAINAGE, AND
EROSION CONTROL PLAN

SCALE: AS SHOWN

FILENAME: J:\W1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA (DWG-CAD DESIGN)\W-1725-4-DSGN.DWG
SAVE DATE: 11/19/2018 11:06 AM
PLOT DATE: 11/19/2018 11:13 AM



Waterstone Retail Development

Southgate Plaza Redevelopment

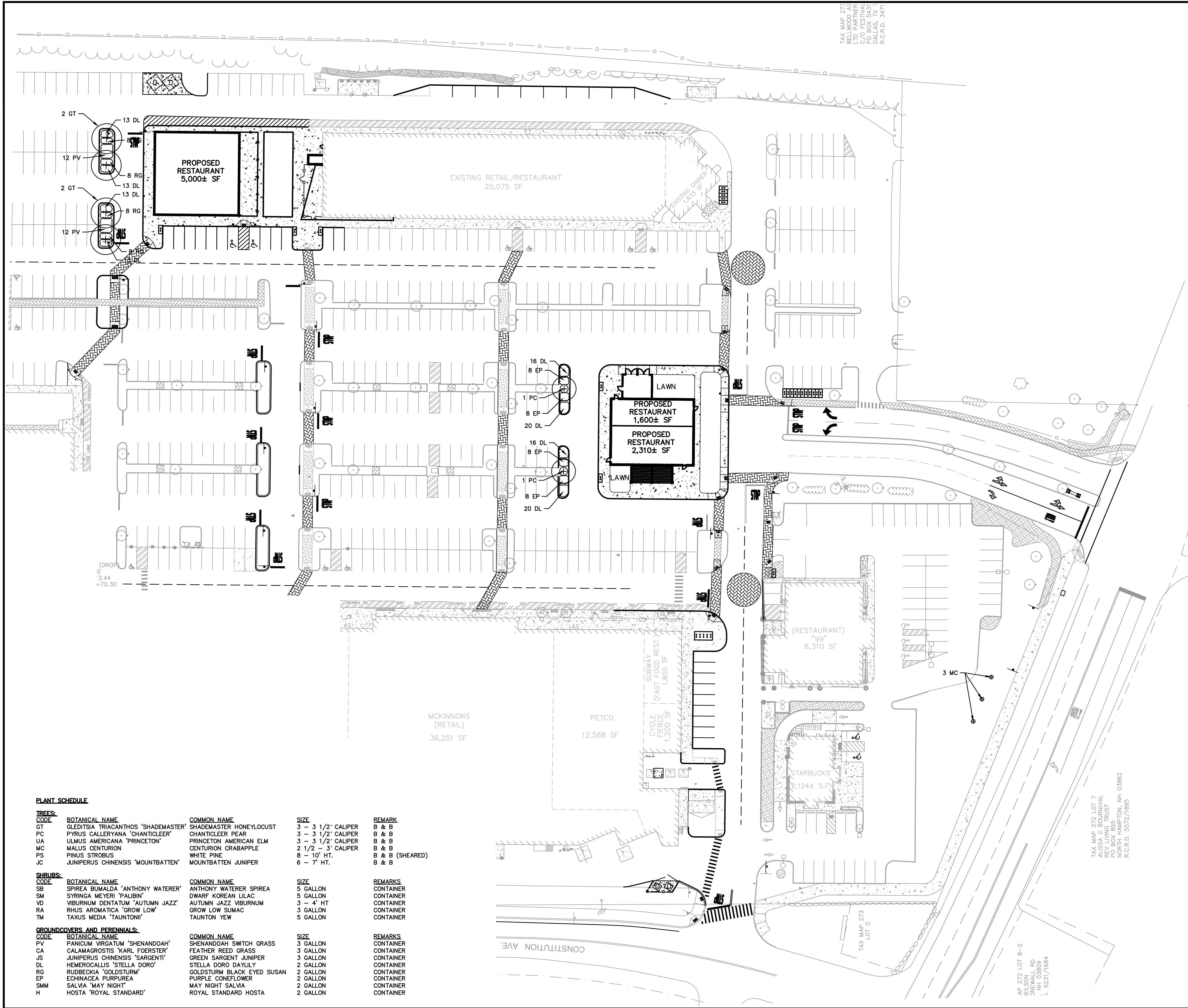
Portsmouth,
New Hampshire

Mark	Date	Description
A	11/19/18	TAC Submission
PROJECT NO: W1725		
FILE: W-1725-4-DSGN.dwg		
DRAWN BY: NAH/CML		
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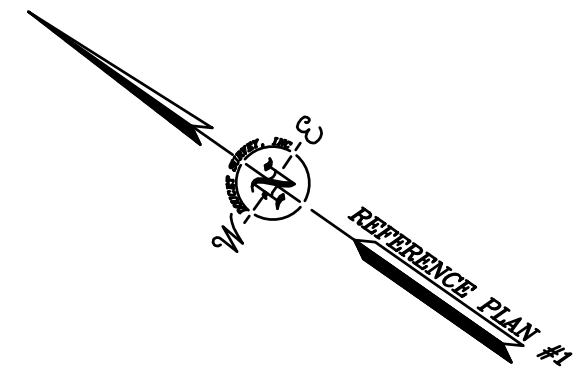
PLAZA UTILITIES PLAN

SCALE: AS SHOWN

FILENAME: J:\W\1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA\DWG-CAD\DESIGN\W-1725-4-DSGN.DWG
SAVE DATE: 11/19/2018 11:06 AM
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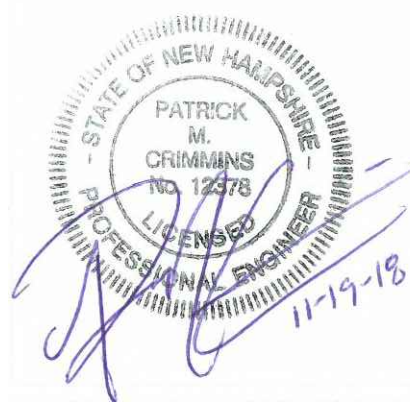


TAX MAP 272
BELLWOOD AS
C/O FESTIVAL
PO BOX 5431
DALLAS, TX 7
R.C.R.D. 3471



LEGEND

- PROPERTY LINE
 - ABUTTER LOT LINE
 - EXISTING TREE LINE
 - PROPOSED TREE LINE
 - PROPOSED TREES
 - PROPOSED SHRUBS
 - PROPOSED GROUND COVER
 - PROPOSED SNOW STORAGE AREA
 - EXISTING TREE
- SCALE IN FEET
0 40' 80'
GRAPHIC SCALE



**Waterstone Retail
Development**

**Southgate Plaza
Redevelopment**

Portsmouth,
New Hampshire

PROJECT NO:	W1725
FILE:	W-1725-4-DSGN.dwg
DRAWN BY:	NAH/CML
CHECKED:	PMC
APPROVED BY:	BLM/PMC

PLAZA LANDSCAPE PLAN

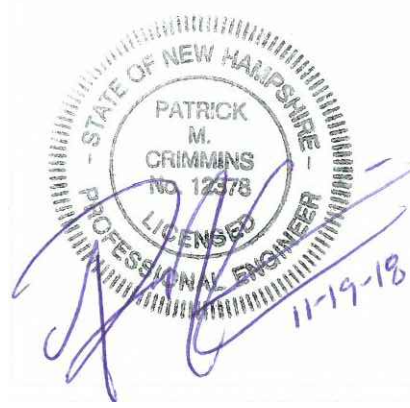
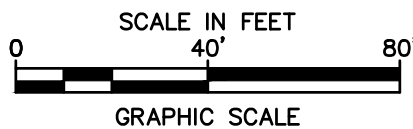
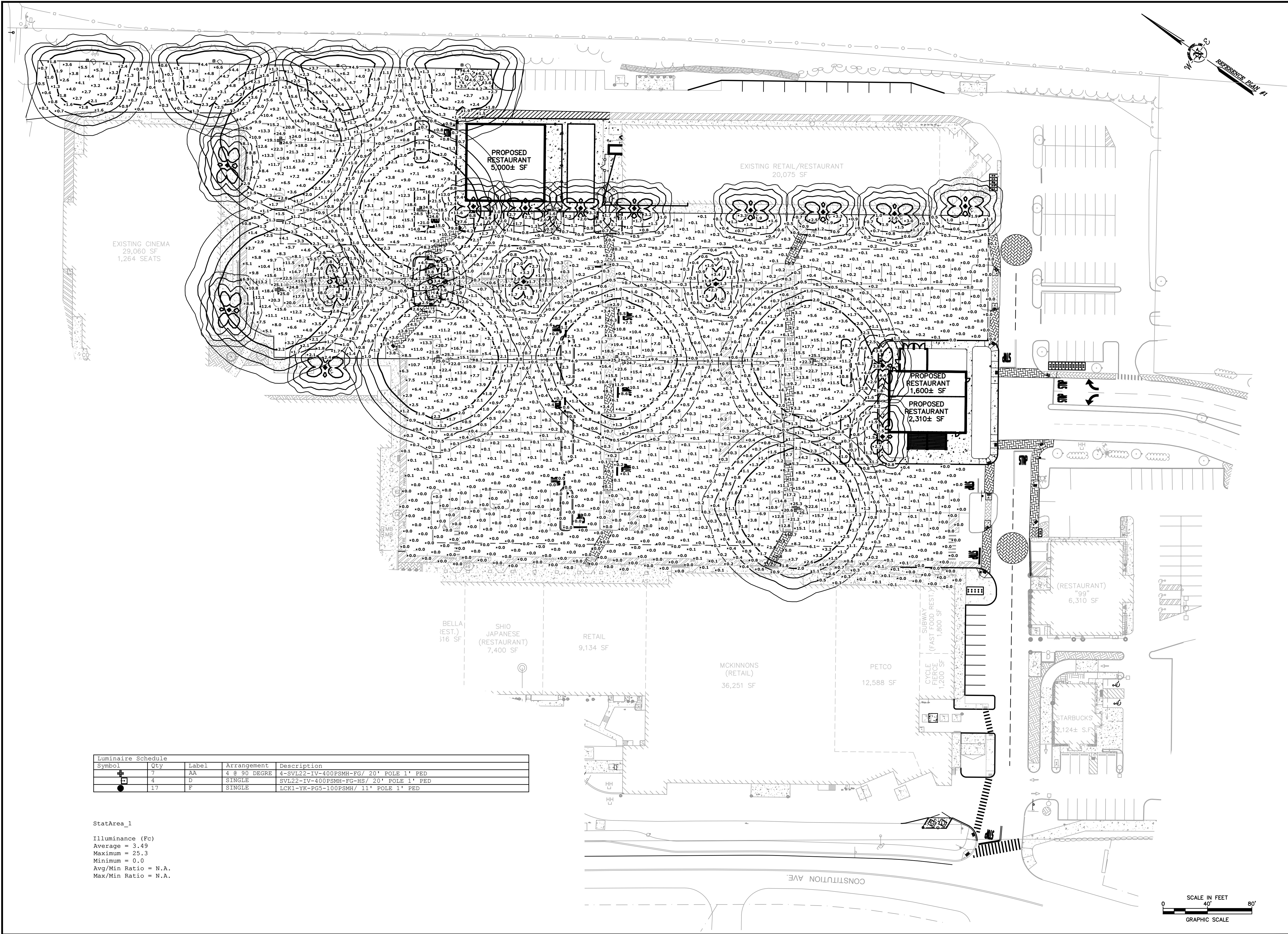
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SAVE DATE: 11/19/2018 11:06 AM
PLOT DATE: 11/19/2018 11:13 AM

Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
	7	AA	4 @ 90 DEGRE	4-SVL22-IV-400PSMH-FG/ 20' POLE 1' PED
	4	D	SINGLE	SVL22-IV-400PSMH-FG-HS/ 20' POLE 1' PED
	17	F	SINGLE	LCK1-YK-PG5-100PSMH/ 11' POLE 1' PED

StatArea_1

Illuminance (Fc)
Average = 3.49
Maximum = 25.3
Minimum = 0.0
Avg/Min Ratio = N.A.
Max/Min Ratio = N.A.



Waterstone Retail Development

Southgate Plaza Redevelopment

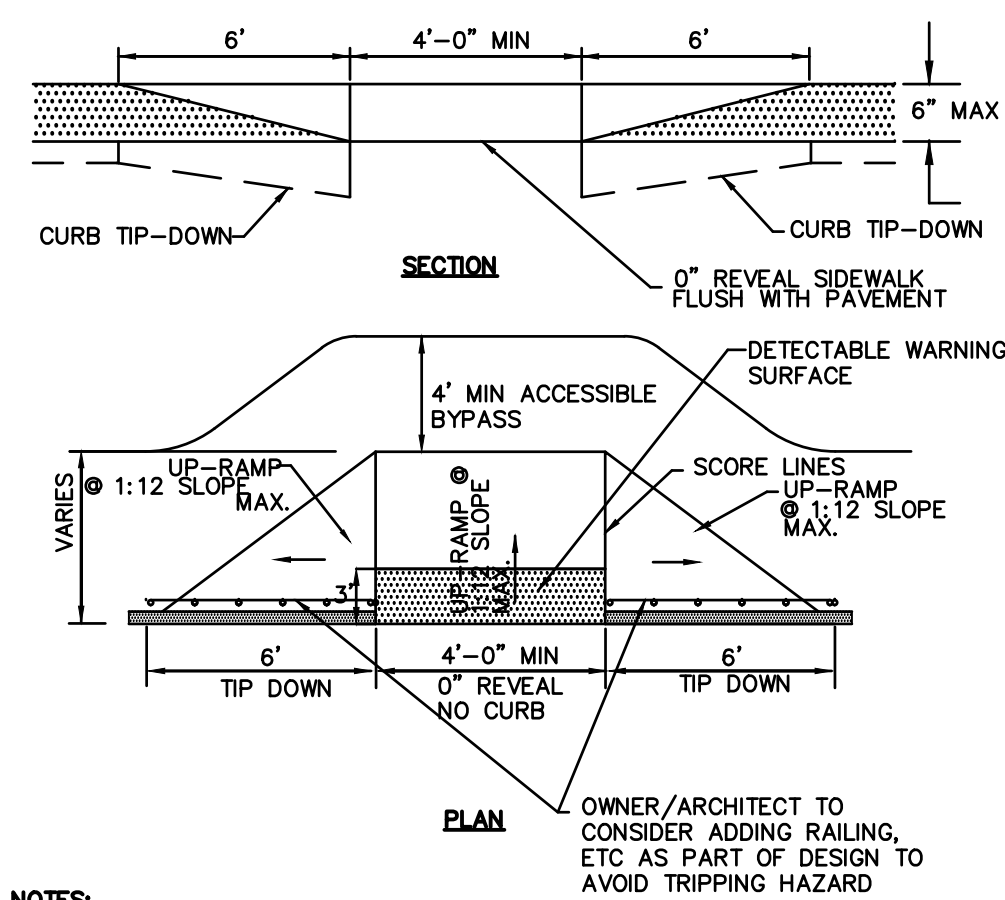
Portsmouth,
New Hampshire

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PROJECT NO: W1725		
FILE: W-1725-4-DSGN.dwg		
DRAWN BY: NAH/CML		
CHECKED: PMC		
APPROVED BY: BLM/PMC		

PLAZA PHOTOMETRICS PLAN

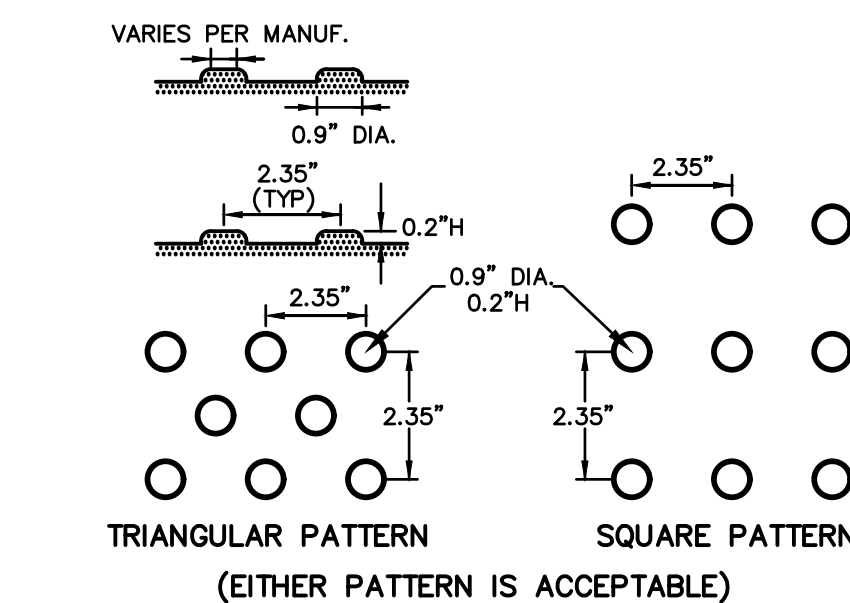
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FILENAME: J:\W1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA (DWG-CAD DESIGN)\W-1725-4-DETAILS.DWG
SAVE DATE: 11/19/2018 11:07 AM
PLOT DATE: 11/19/2018 11:14 AM



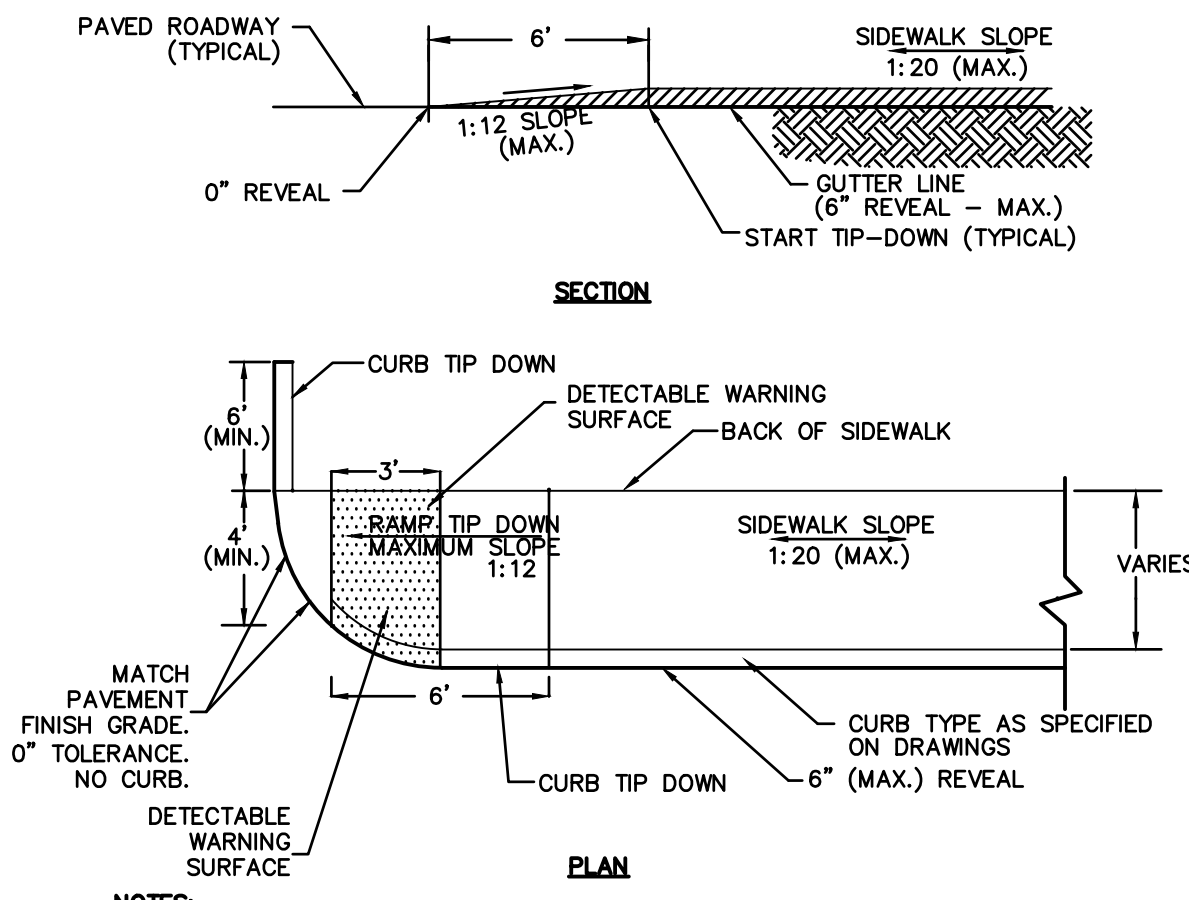
- NOTES:**
1. RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND LOCAL STATE REQUIREMENTS
 2. RAMP SHALL BE 6" THICK WITH WWF OR FIBER REINFORCED CONCRETE (4,000 PSI)
 3. PROVIDE 6" COMPACTED CRUSHED GRAVEL BASE BENEATH RAMP.
 4. DETECTABLE WARNING STRIP SHALL BE CAST IRON. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

HANDICAP ACCESSIBLE RAMP
NOT TO SCALE



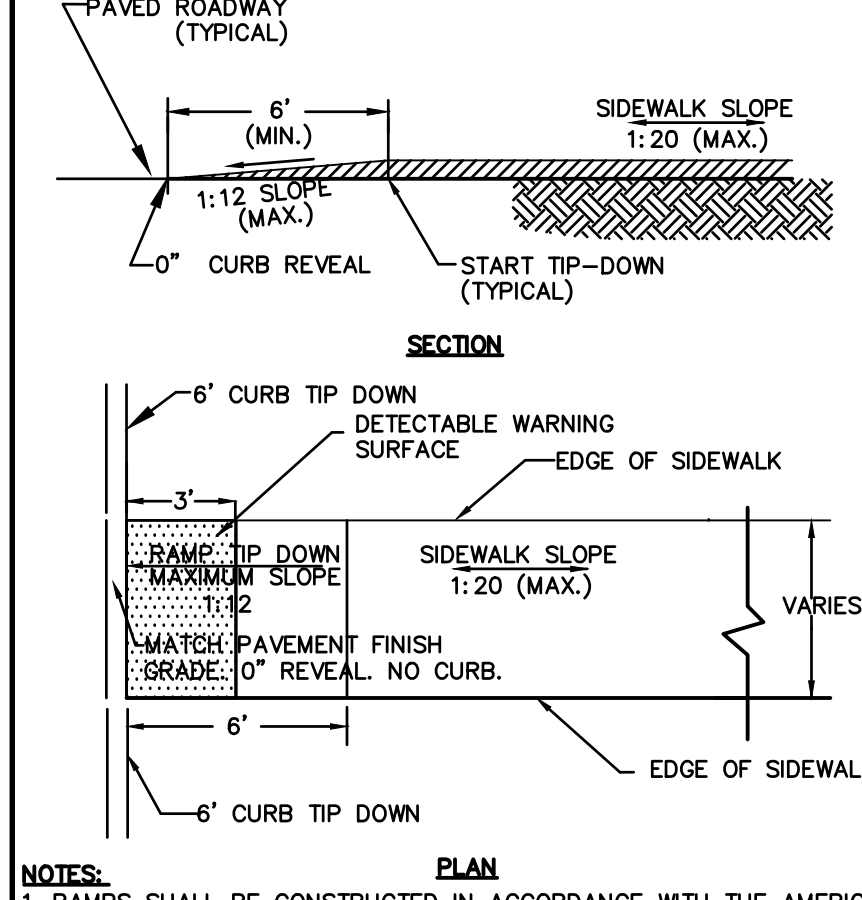
- NOTE:**
- CURB RAMP MUST HAVE A DETECTABLE WARNING FEATURE EXTENDING THE FULL WIDTH AND DEPTH OF THE RAMP (MID-WALK "IN-LINE" RAMP) ONLY. THE DETECTABLE WARNING SURFACE MUST CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCHES. THE TEXTURE OF THE DETECTABLE WARNING FEATURE MUST CONTRAST WITH THE SURROUNDING SURFACES (EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT).

DETECTABLE WARNING SURFACE
NOT TO SCALE



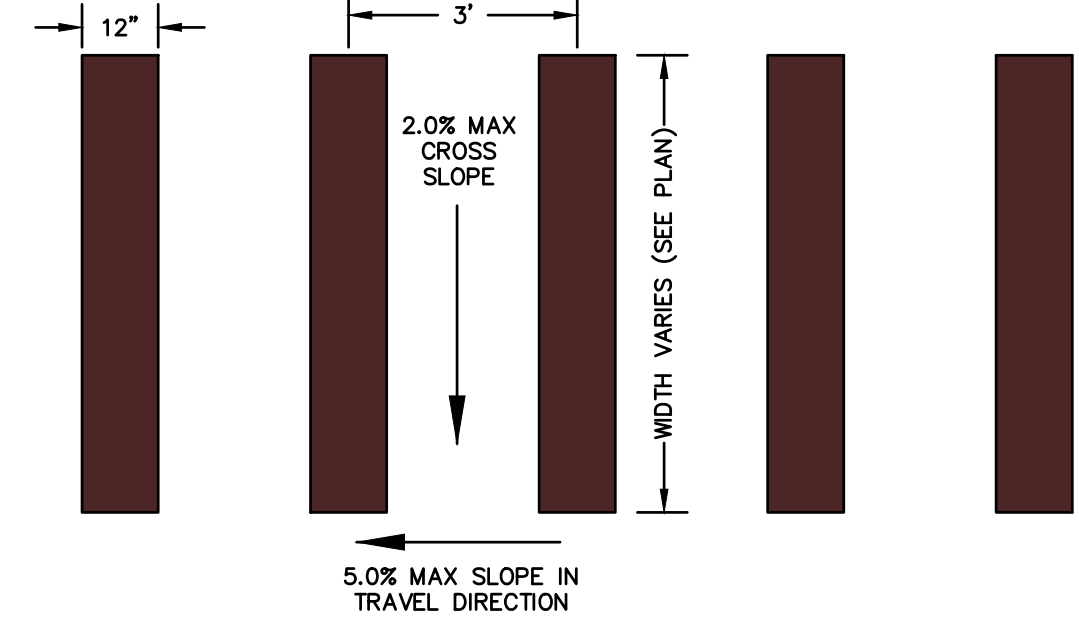
- NOTES:**
1. RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND LOCAL STATE REQUIREMENTS
 2. RAMP SHALL BE 6" THICK WITH WWF OR FIBER REINFORCED CONCRETE (4,000 PSI)
 3. PROVIDE 6" COMPACTED CRUSHED GRAVEL BASE BENEATH RAMP.
 4. DETECTABLE WARNING STRIP SHALL BE CAST IRON. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CORNER TIP DOWN RAMP
NOT TO SCALE



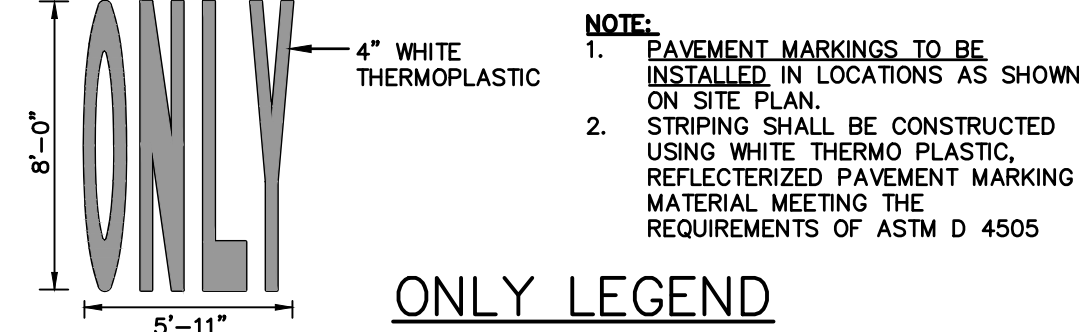
- NOTES:**
1. RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND LOCAL STATE REQUIREMENTS
 2. RAMP SHALL BE 6" THICK WITH WWF OR FIBER REINFORCED CONCRETE (4,000 PSI)
 3. PROVIDE 6" COMPACTED CRUSHED GRAVEL BASE BENEATH RAMP.
 4. DETECTABLE WARNING STRIP SHALL BE CAST IRON. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

SIDEWALK TIP-DOWN RAMP
NOT TO SCALE



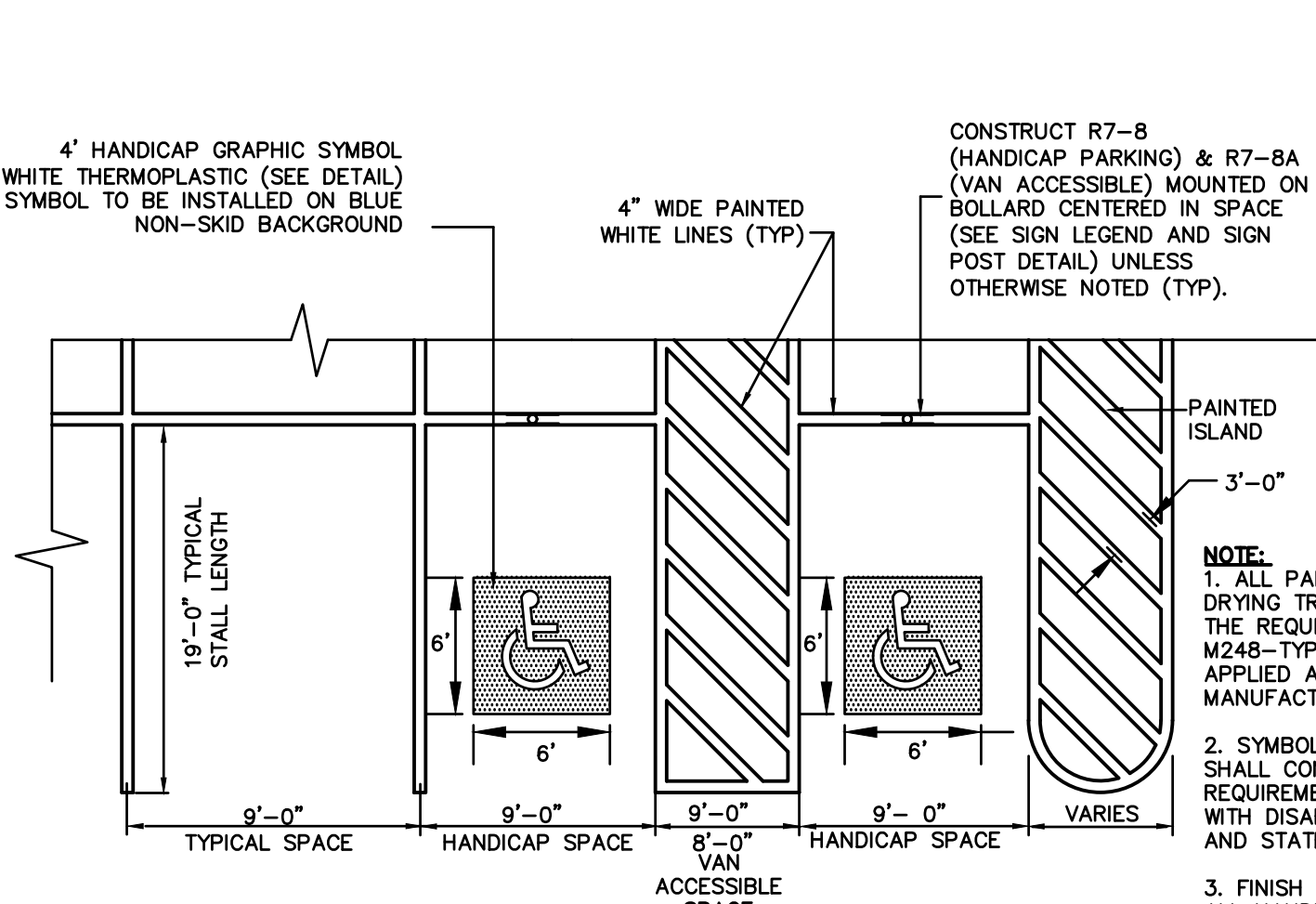
- NOTE:**
- STRIPING SHALL BE CONSTRUCTED USING WHITE THERMO PLASTIC, REFLECTERIZED PAVEMENT MARKING MATERIAL MEETING THE REQUIREMENTS OF ASTM D 4505

CROSSWALK STRIPING
NOT TO SCALE

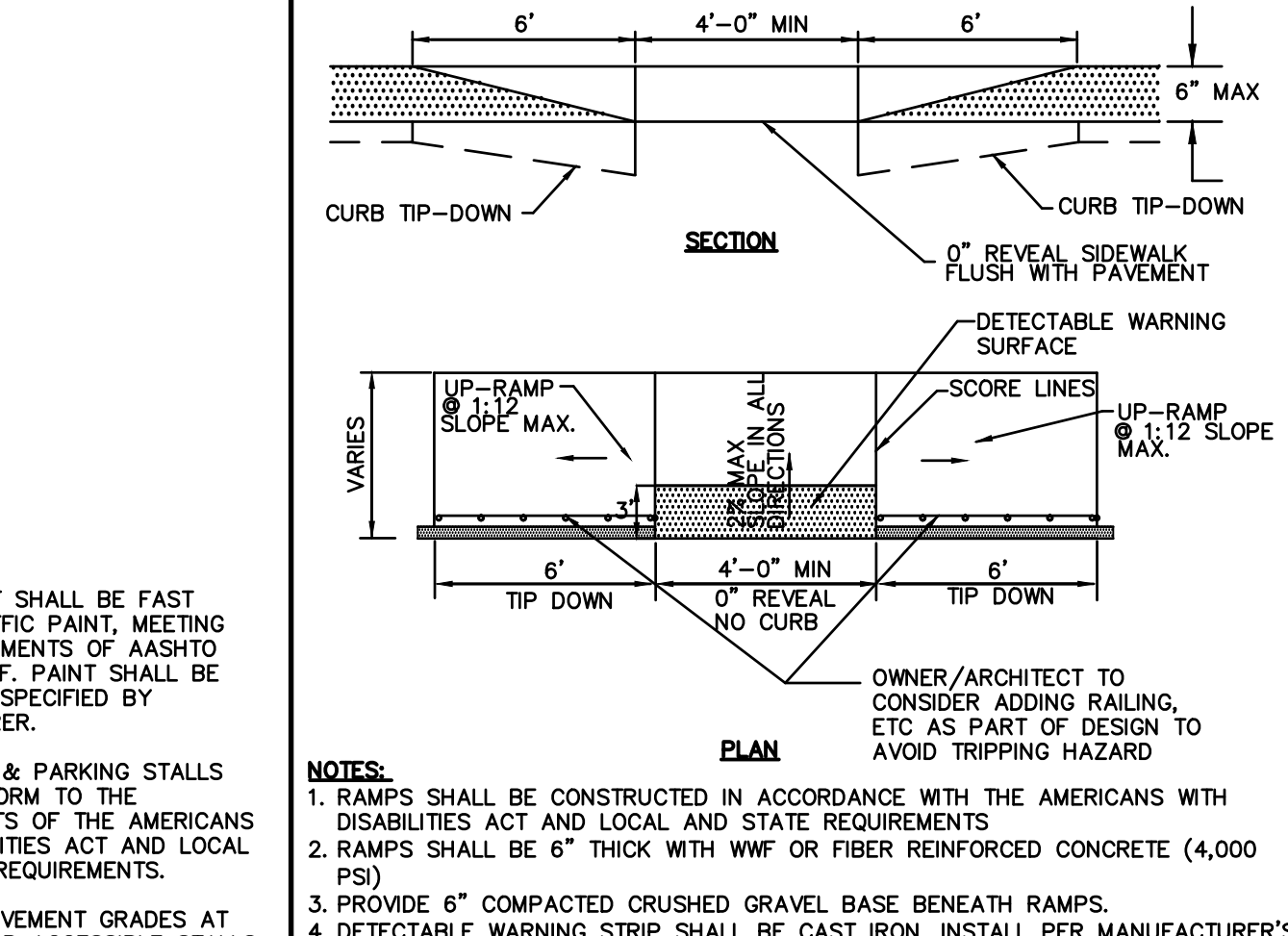


- NOTE:**
1. PAVEMENT MARKINGS TO BE INSTALLED IN LOCATIONS AS SHOWN ON SITE PLAN.
 2. STRIPING SHALL BE CONSTRUCTED USING WHITE THERMO PLASTIC, REFLECTERIZED PAVEMENT MARKING MATERIAL MEETING THE REQUIREMENTS OF ASTM D 4505

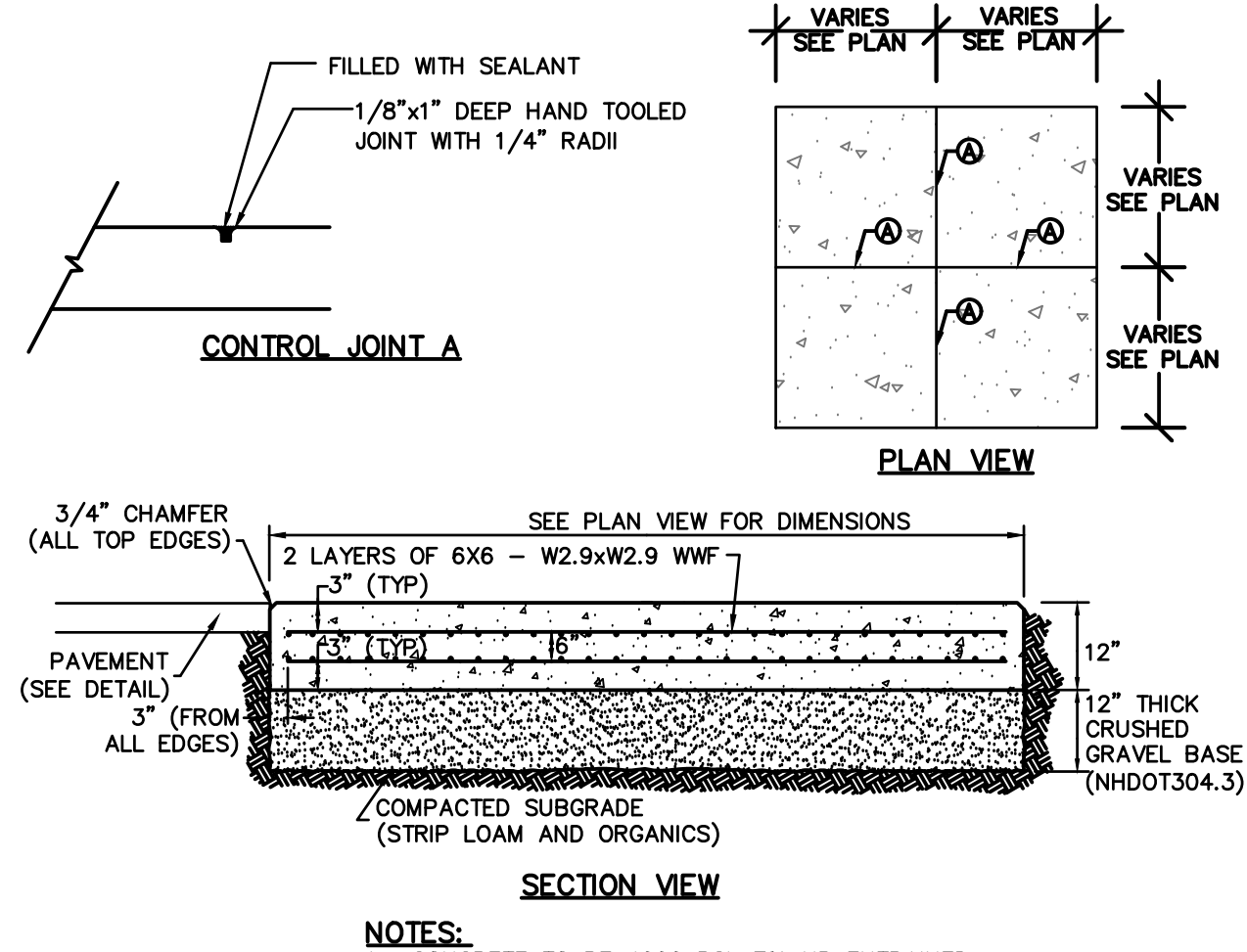
ONLY LEGEND
NOT TO SCALE



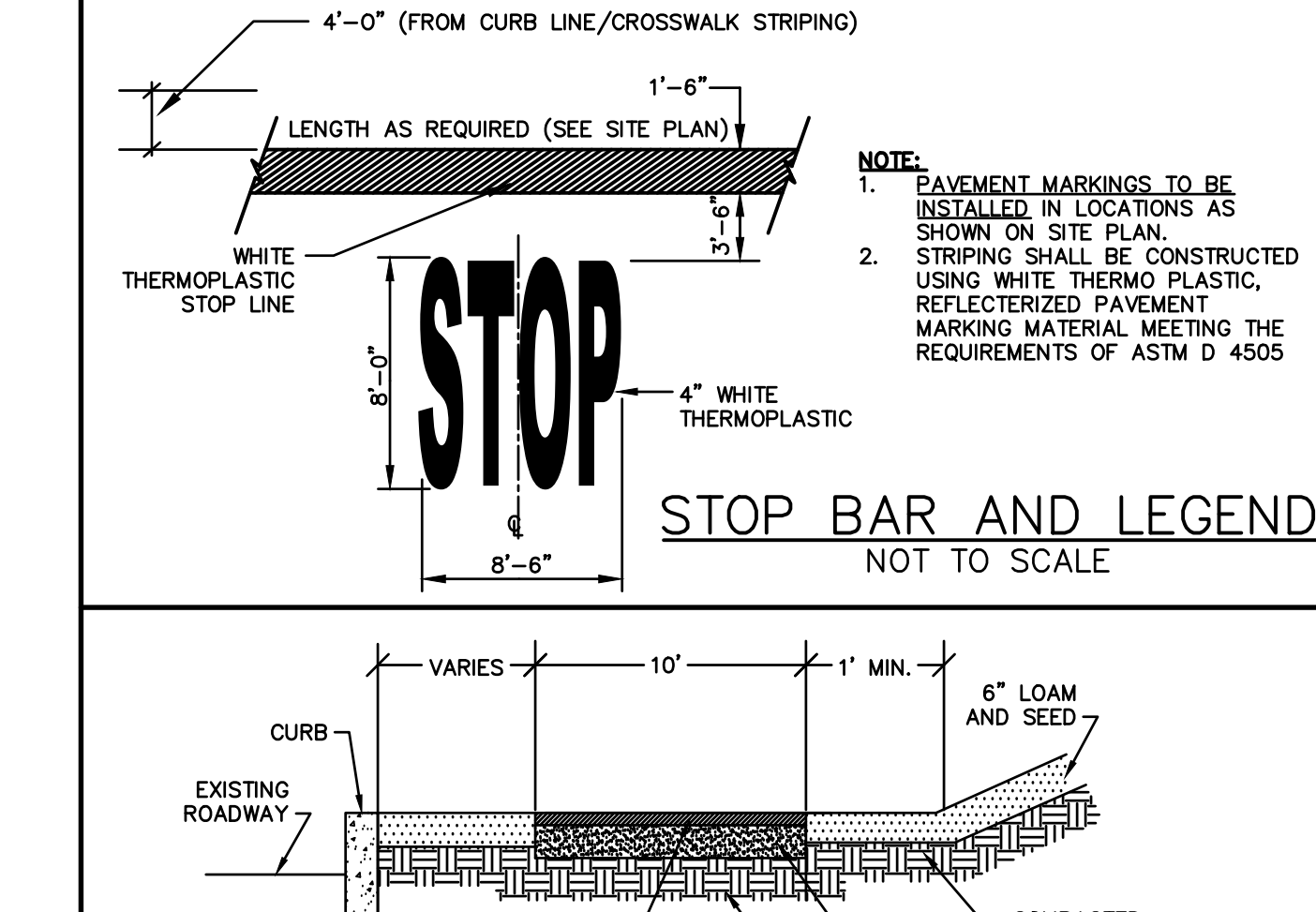
STALL STRIPING-SINGLE STRIPE
NOT TO SCALE



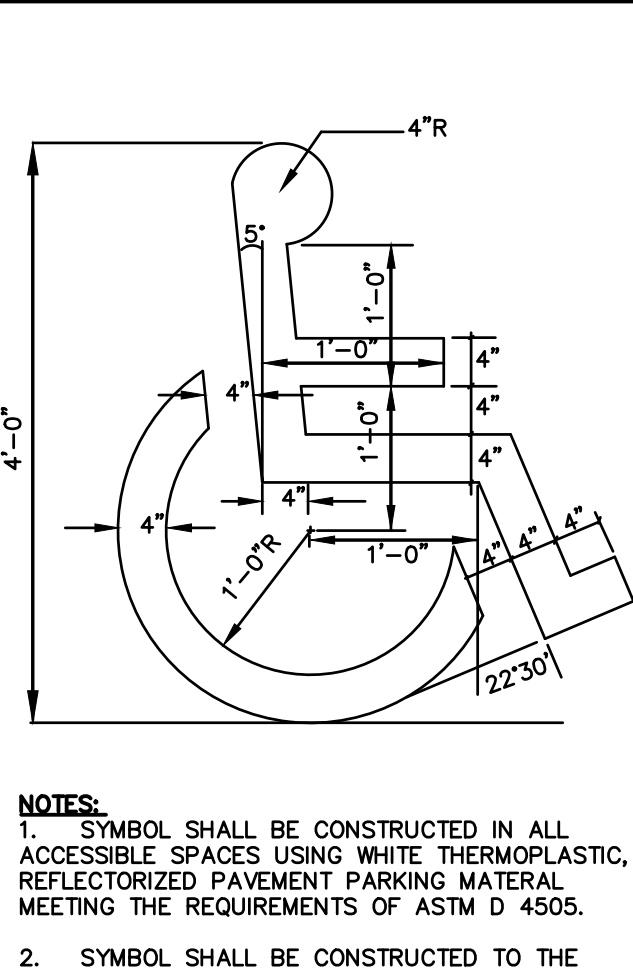
HANDICAP TIP DOWN RAMP
NOT TO SCALE



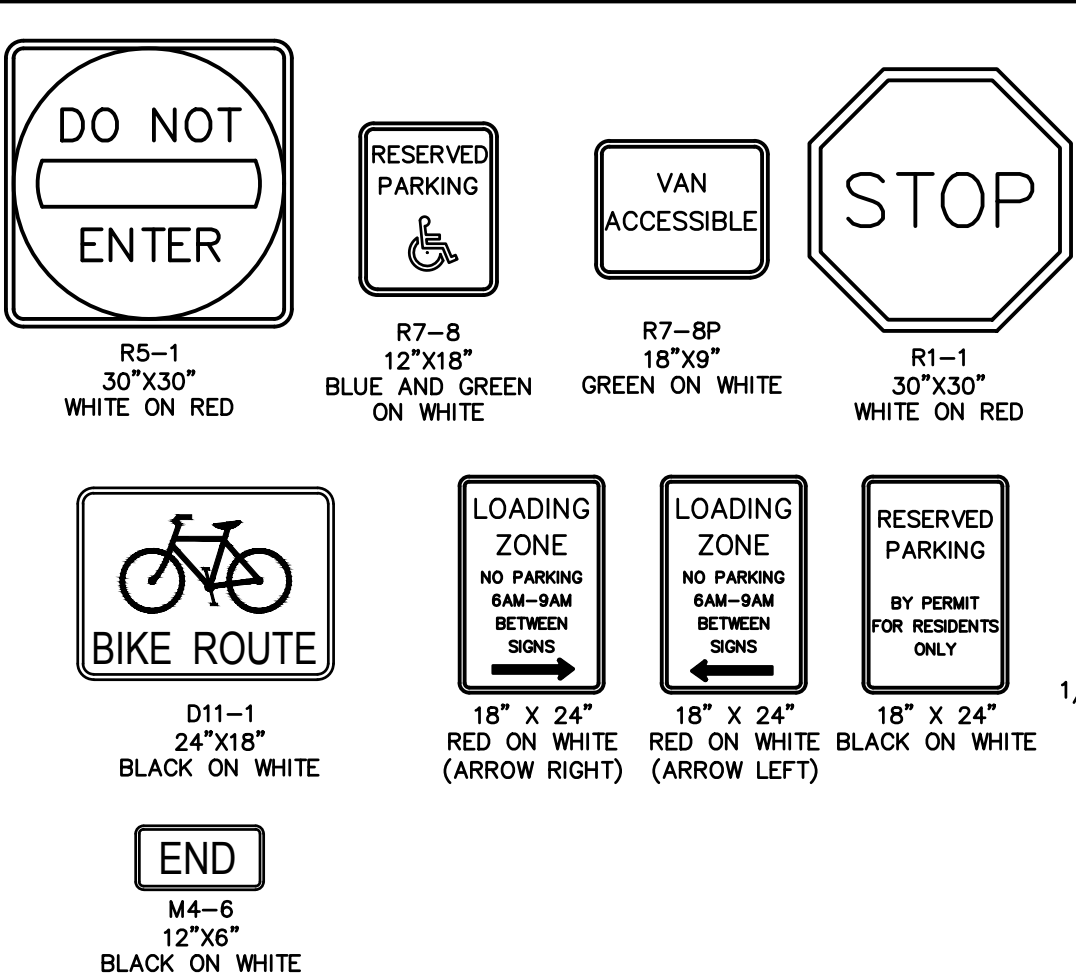
DUMPSTER PAD
NOT TO SCALE



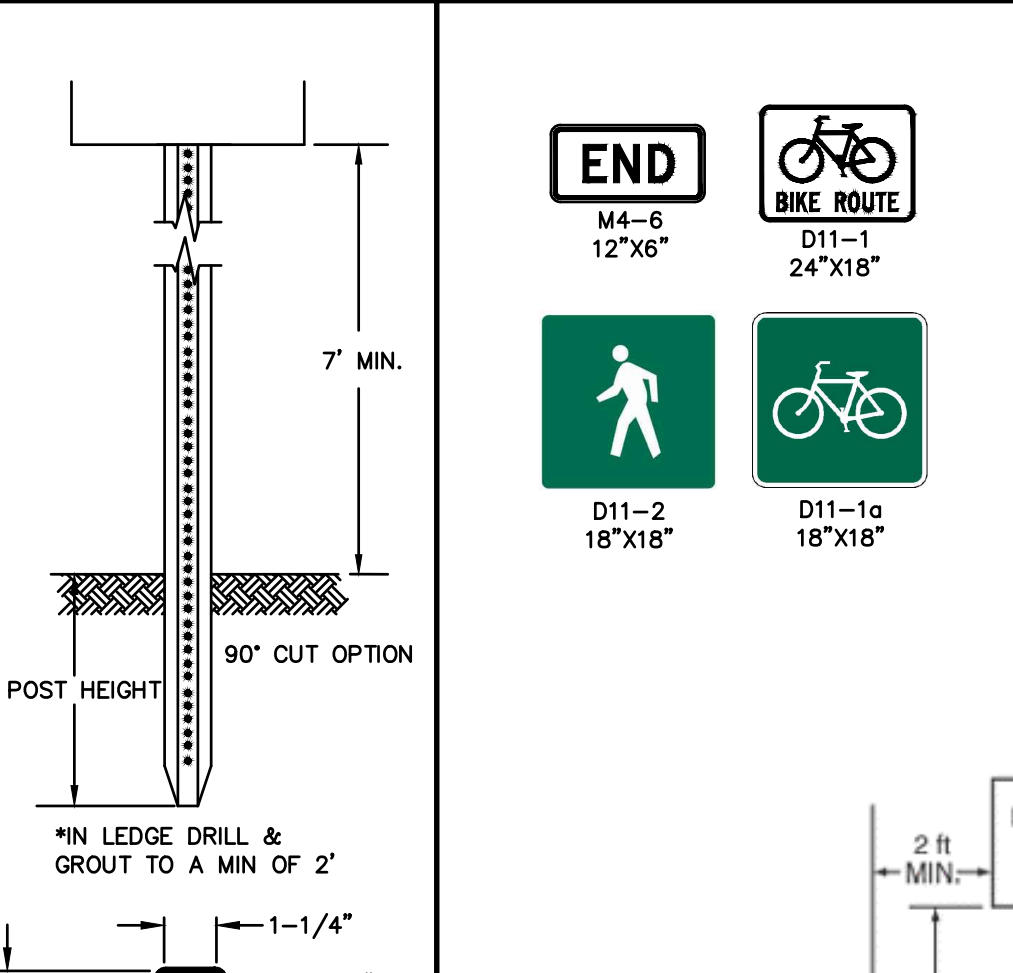
STOP BAR AND LEGEND
NOT TO SCALE



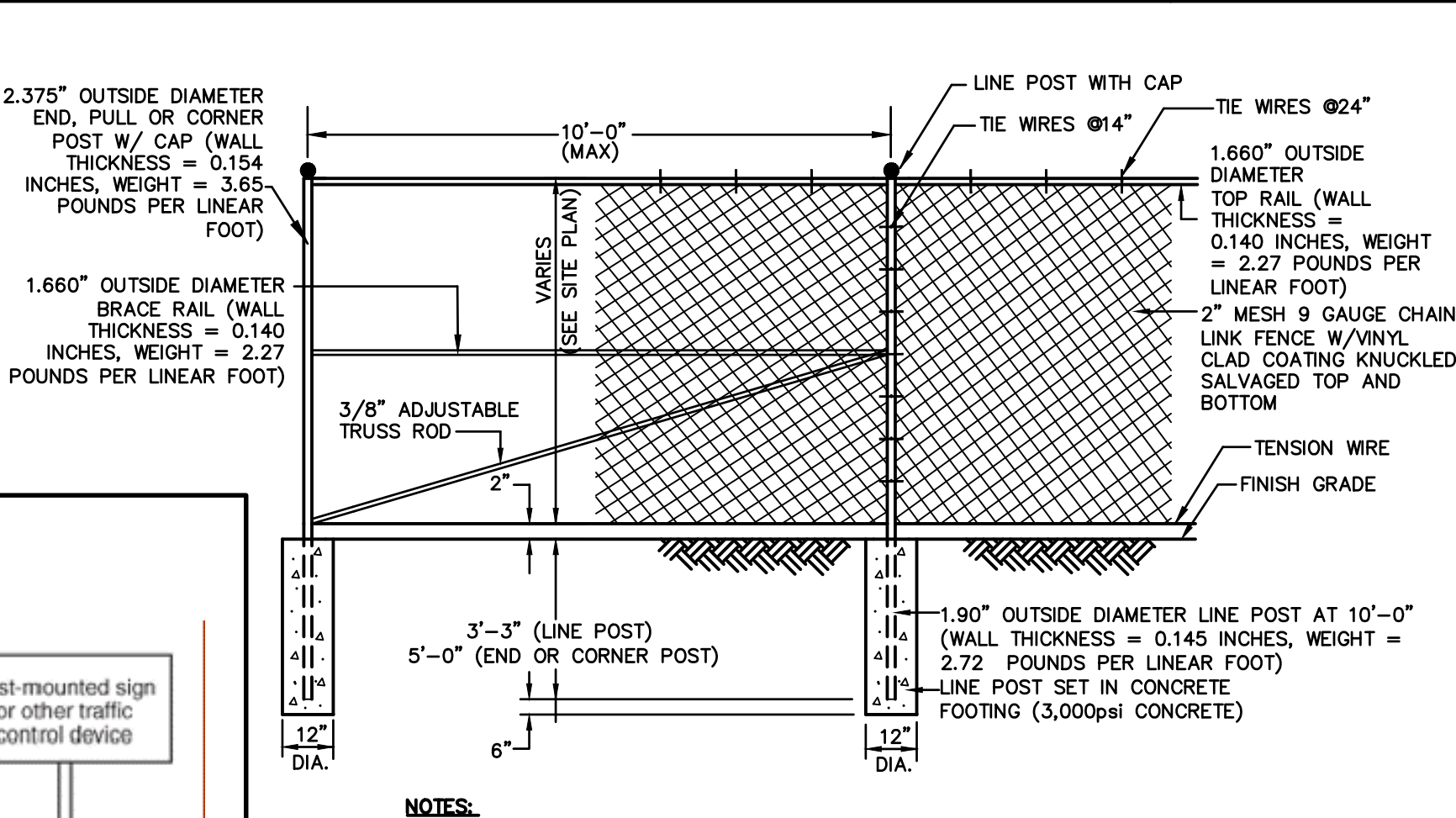
ACCESSIBLE SYMBOL
NOT TO SCALE



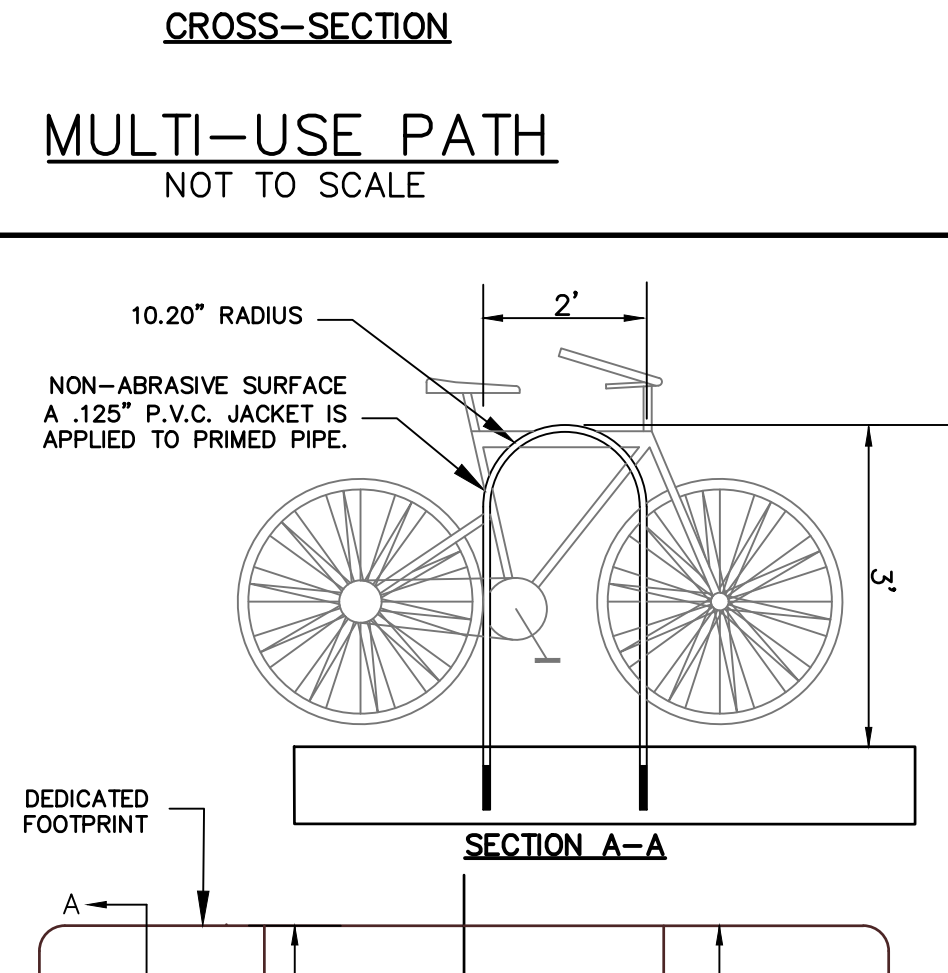
SIGN LEGEND & SIGN POST
NOT TO SCALE



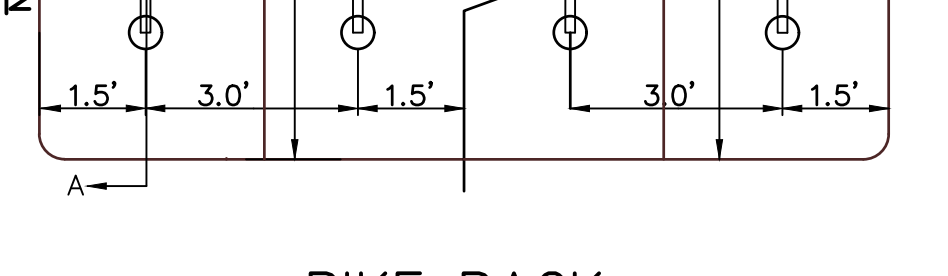
MULTI-USE PATH SIGNS
NOT TO SCALE



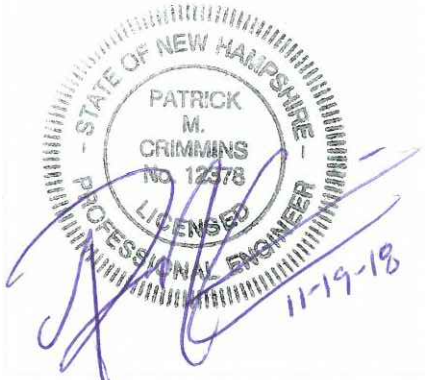
CHAIN LINK FENCE
NOT TO SCALE



MULTI-USE PATH
NOT TO SCALE



BIKE RACK
NOT TO SCALE



Waterstone Retail Development

Southgate Plaza Redevelopment

Portsmouth, New Hampshire

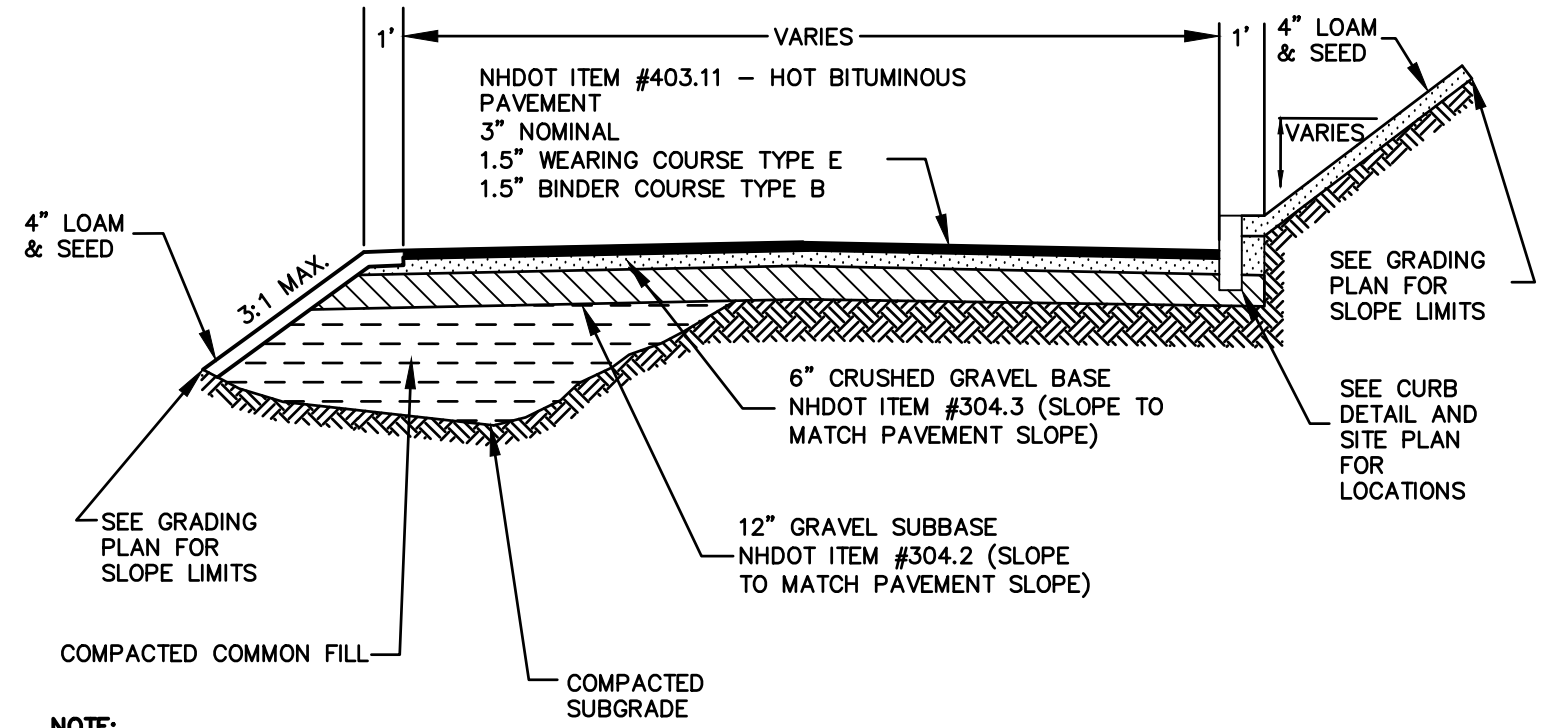
Mark	Date	Description
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PROJECT NO: W1725		
FILE: W-1725-4-DETAILS.dwg		
DRAWN BY: NAH/CML		
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APPROVED BY: BLM/PMC		

DETAILS SHEET

SCALE: AS SHOWN

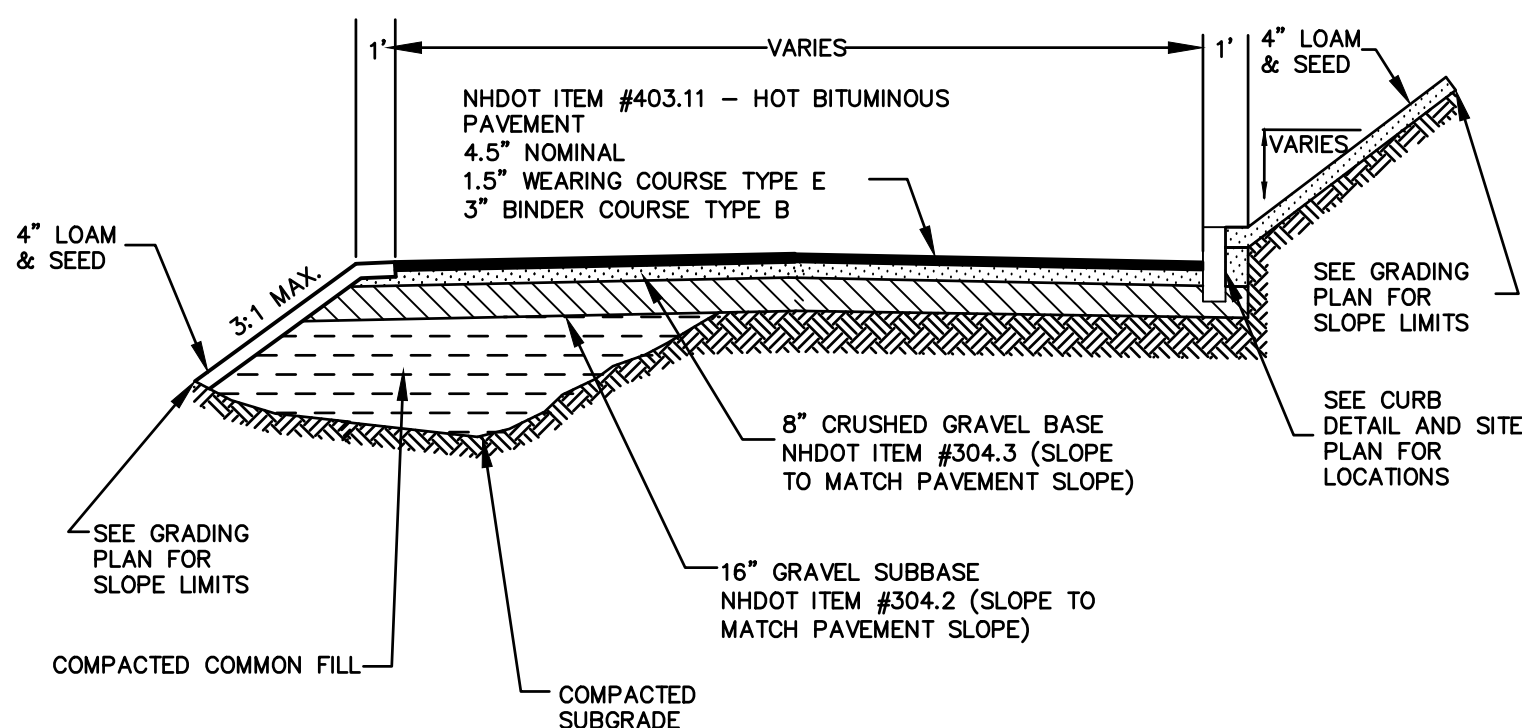
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FILENAME: J:\W1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA\DWG-CAD\DESIGN\W-1725-4-DETAILS.DWG
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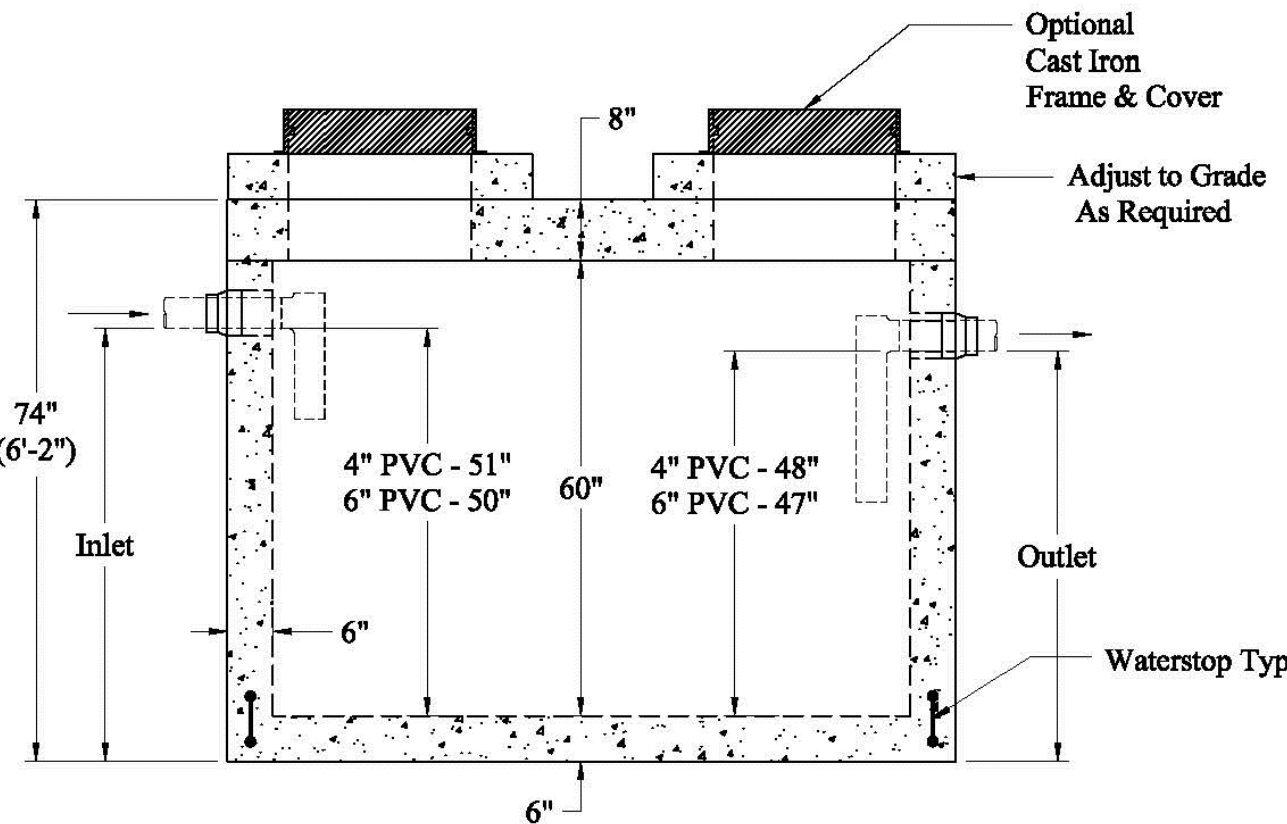
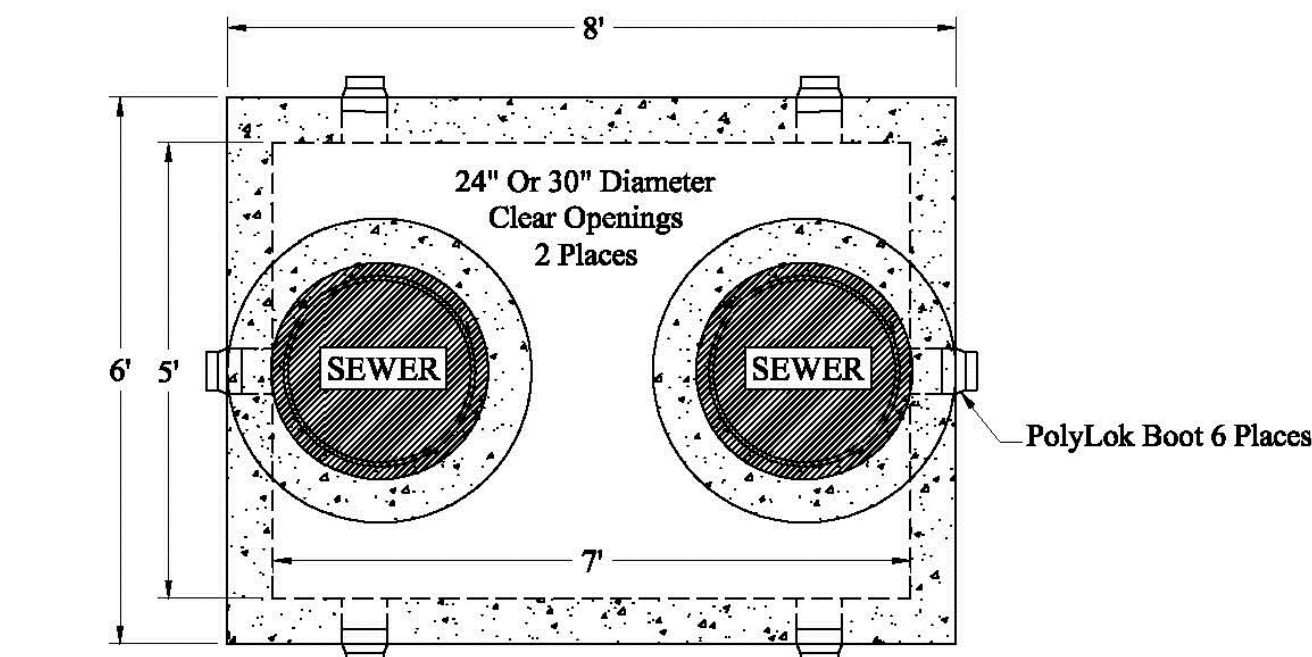
- NOTE:**
1. SEE SITE PLAN FOR PAVEMENT WIDTH AND LOCATION.
 2. SEE GRADING, DRAINAGE AND EROSION CONTROL PLAN FOR PAVEMENT SLOPE AND CROSS-SLOPE.
 3. A TACK COAT SHALL BE PLACED ON TOP OF BINDER COURSE PAVEMENT PRIOR TO PLACING WEARING COURSE.
 4. CONTRACTOR SHALL HAVE THE OPTION OF RECLAIMING THE EXISTING PAVEMENT AND REMOVING THE MATERIAL, THEN REUSING THE RECLAIMED MATERIAL AS A PAVEMENT SUBBASE.

STANDARD DUTY PAVEMENT SECTION
NOT TO SCALE



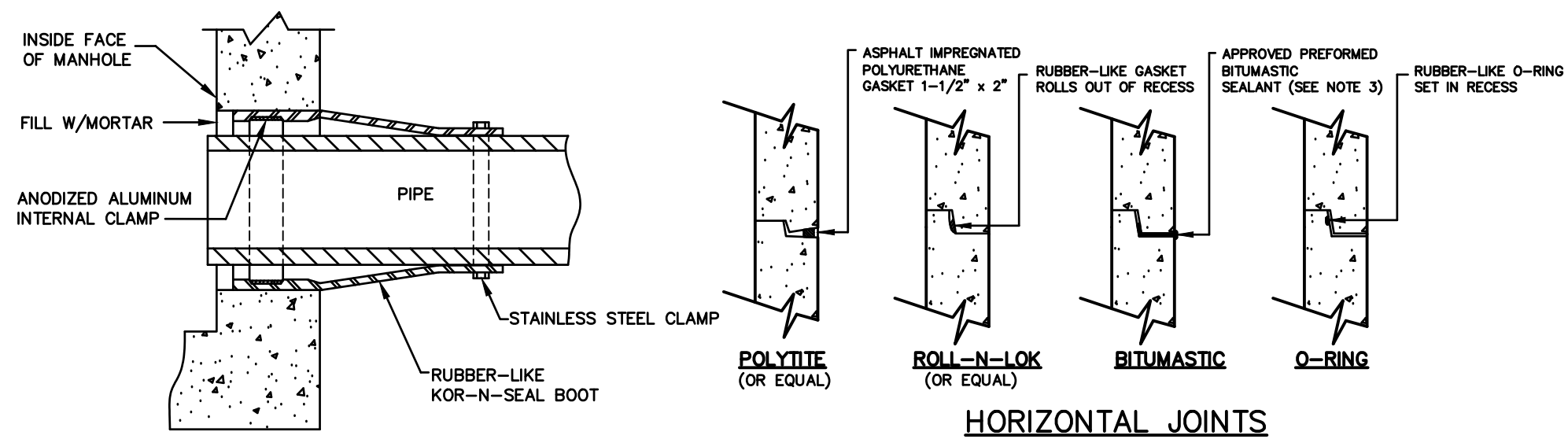
- NOTE:**
1. SEE SITE PLAN FOR PAVEMENT WIDTH AND LOCATION.
 2. SEE GRADING, DRAINAGE AND EROSION CONTROL PLAN FOR PAVEMENT SLOPE AND CROSS-SLOPE.
 3. A TACK COAT SHALL BE PLACED ON TOP OF BINDER COURSE PAVEMENT PRIOR TO PLACING WEARING COURSE.
 4. CONTRACTOR SHALL HAVE THE OPTION OF RECLAIMING THE EXISTING PAVEMENT AND REMOVING THE MATERIAL, THEN REUSING THE RECLAIMED MATERIAL AS A PAVEMENT SUBBASE.

HEAVY DUTY PAVEMENT SECTION
NOT TO SCALE

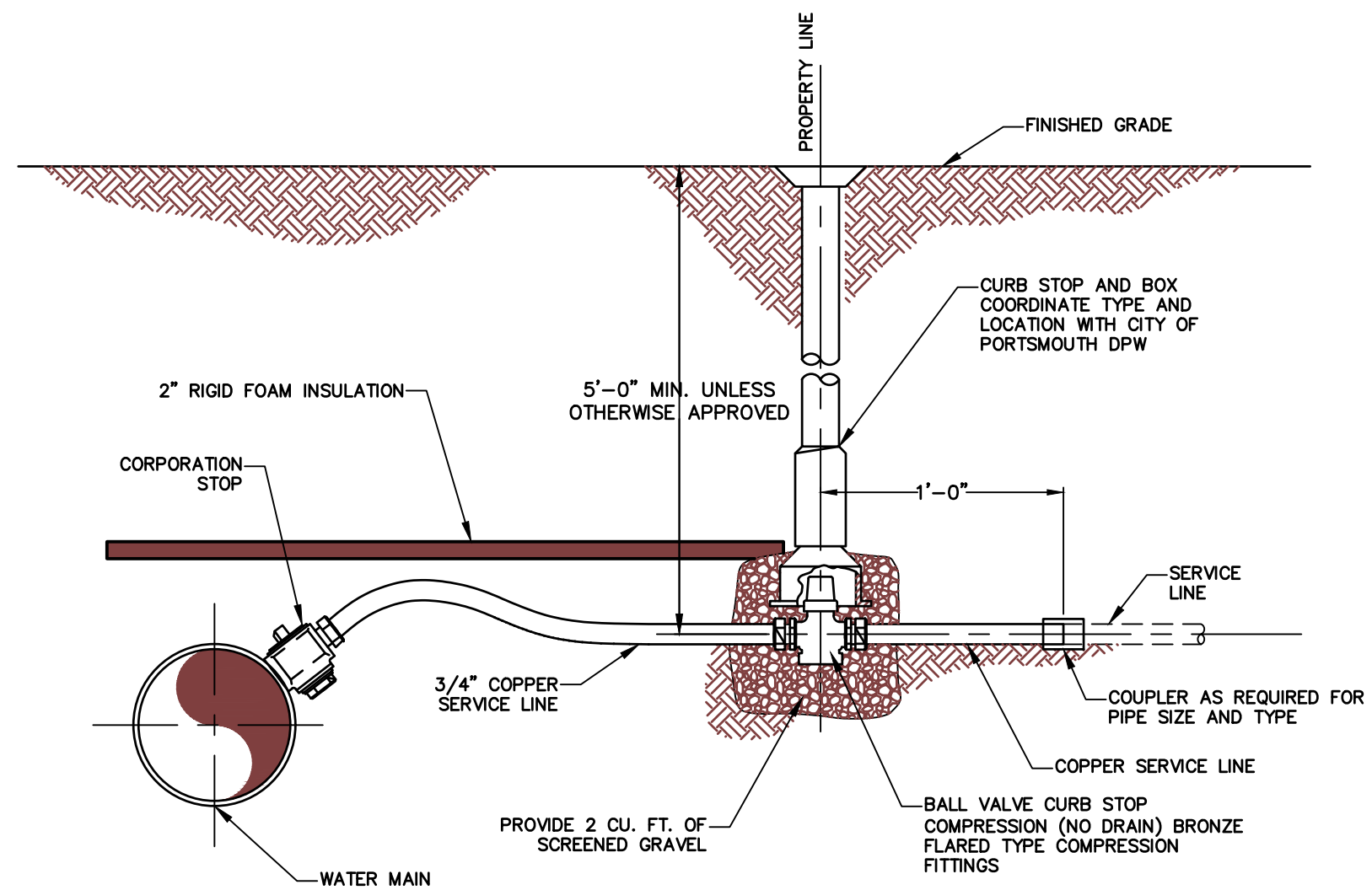


- NOTES:**
1. STEEL REINFORCEMENT CONFORMS TO LATEST ASTM SPECIFICATIONS: ASTM-A615 GRADE 60 REBAR
 2. CONCRETE: FC = 5,000 PSI @ 28 DAYS MINIMUM
 3. FLEXIBLE SLEEVES PROVIDED ON ALL PIPE CONNECTIONS
 4. BUTYL RUBBER JOINT SEALANT PROVIDED
 5. INTERNAL PVC BAFFLES AVAILABLE UPON REQUEST
 - INLET: SHALL PENETRATE AT LEAST 9" BELOW THE LIQUID LEVEL, BUT NOT DEEPER THAN THE OUTLET BAFFLE.
 - OUTLET: SHALL EXTEND BELOW THE SURFACE OF THE LIQUID EQUAL TO 40% OF THE LIQUID DEPTH (18").
 6. DESIGN LOADING: AASHTO-HS20-44, ASTM C-890-06
 7. DESIGN SPECIFIED AS: ASTM C-1227-08, ASTM C-913-08
 8. GREASE TRAP SHALL BE PHOENIX PRECAST OR EQUAL

GREASE TRAP
NOT TO SCALE

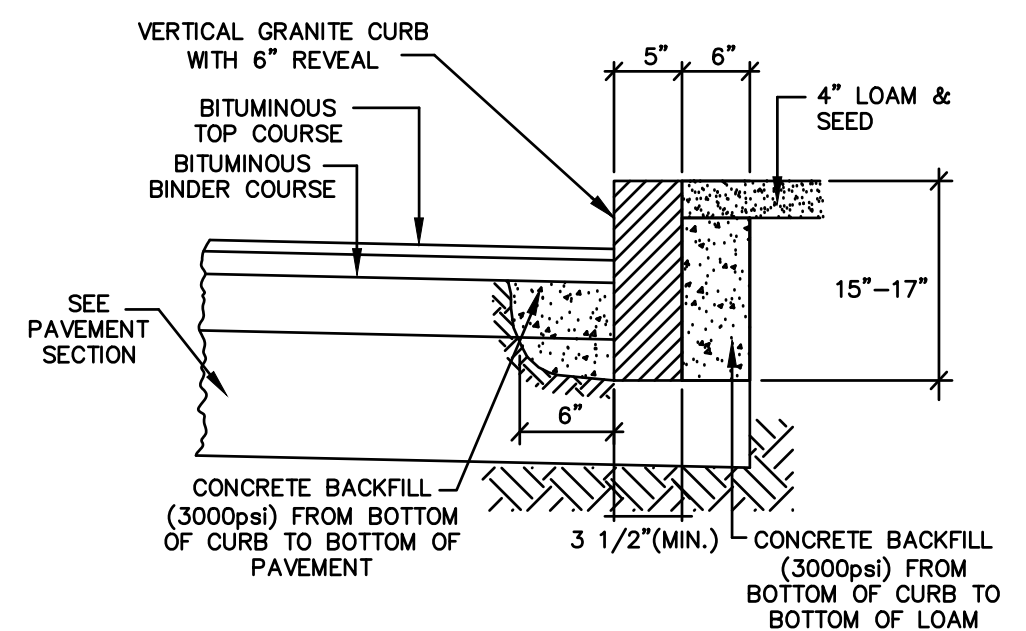


- NOTES:**
1. HORIZONTAL JOINTS BETWEEN THE SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE PER CITY OF PORTSMOUTH DPW STANDARD AND SHALL BE SEALED FOR WATERTIGHTNESS USING A DOUBLE ROW ELASTOMERIC OR MASTIC-LIKE GASKET.
 2. PIPE TO MANHOLE JOINTS SHALL BE PER CITY OF PORTSMOUTH DPW STANDARD.
 3. FOR BITUMASTIC TYPE JOINTS, THE AMOUNT OF SEALANT SHALL BE SUFFICIENT TO FILL AT LEAST 75% OF THE JOINT CAVITY.
 4. ALL GASKETS, SEALANTS, MORTAR, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS.



NOTE: ALL WATER SERVICE CONNECTIONS SHALL CONFORM TO CITY OF PORTSMOUTH STANDARDS.

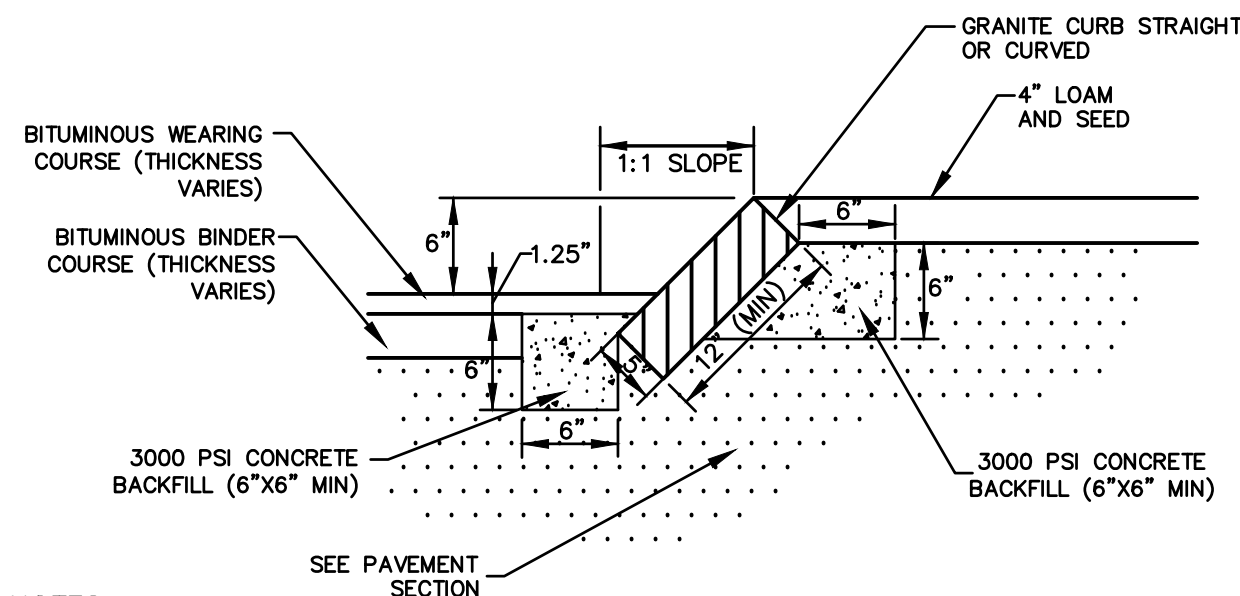
WATER SERVICE CONNECTION
NOT TO SCALE



- NOTES:**
1. SEE SITE PLAN FOR LIMITS OF CURBING.
 2. ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.
 3. MINIMUM LENGTH OF CURB STONES = 3'.
 4. MAXIMUM LENGTH OF CURB STONES = 10'.
 5. MAXIMUM LENGTH OF STRAIGHT CURB STONES LAID ON CURVES (SEE CHART).
 6. ALL RADII 20 FEET AND SMALLER SHALL BE CONSTRUCTED USING CURVED SECTIONS
 7. JOINTS BETWEEN STONES SHALL BE MORTARED.

RADIUS	MAX. LENGTH
<20'	USE CURVED CURB
21'	3'
22'-28'	4'
29'-35'	5'
36'-42'	6'
43'-49'	7'
50'-56'	8'
57'-60'	9'
OVER 60'	10'

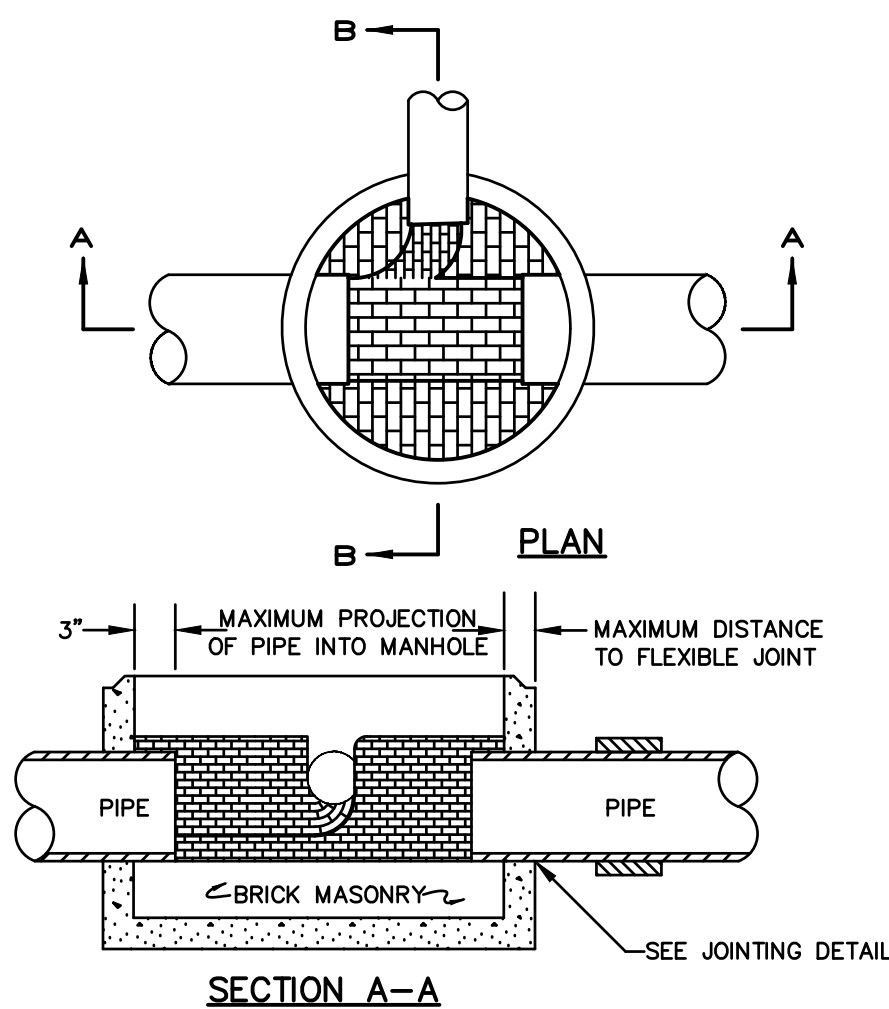
VERTICAL GRANITE CURB
NOT TO SCALE



- NOTES:**
1. SEE SITE PLAN FOR LIMITS OF CURBING.
 2. ADJOINING STONES OF STRAIGHT CURB LAID ON CURVES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.
 3. MINIMUM LENGTH OF STRAIGHT CURB STONES = 18 INCHES.
 4. MAXIMUM LENGTH OF STRAIGHT CURB STONES = 8 FEET.
 5. MAXIMUM LENGTH OF STRAIGHT CURB STONES LAID ON CURVES - SEE CHART.
 6. JOINTS BETWEEN STONES SHALL BE MORTARED.

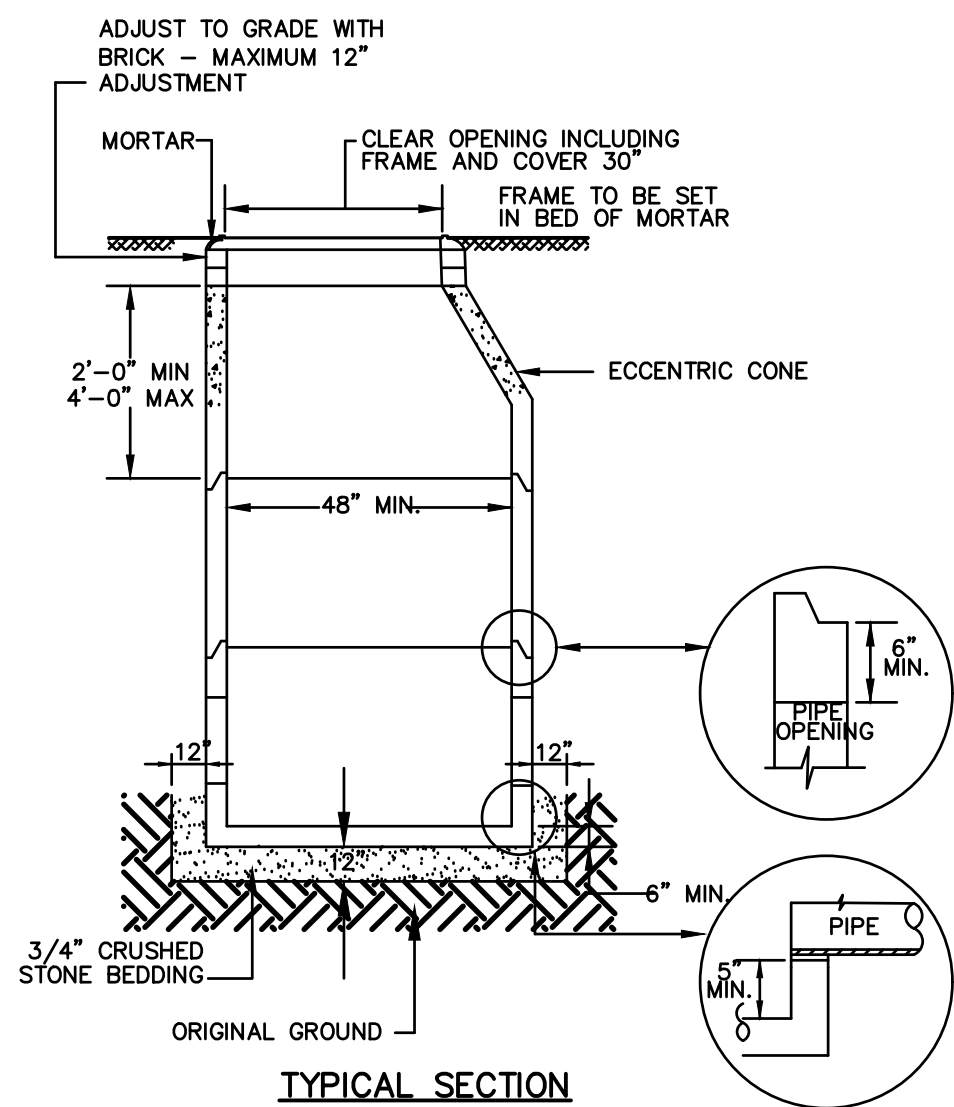
RADIUS FOR STONES WITH SQUARE JOINTS	MAXIMUM LENGTH
16'-28'	1'-6"
29'-41'	2'
42'-55'	3'
56'-68'	4'
69'-82'	5'
83'-96'	6'
97'-110'	7'
OVER 110'	8'

SLOPED GRANITE CURB
NOT TO SCALE



- NOTES:**
1. INVERT AND SHELF TO BE PLACED AFTER EACH LEAKAGE TEST.
 2. CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT.
 3. INVERT BRICKS SHALL BE LAID ON EDGE.
 4. BITUMINOUS WATERPROOF COATING TO BE APPLIED TO ENTIRE EXTERIOR OF MANHOLE.
 5. FRAMES AND COVERS MANHOLE FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30-INCH CLEAR OPENING. A 3-INCH (MINIMUM HEIGHT) WORD "SEWER" SHALL BE PLAINLY CAST INTO THE CENTER OF EACH COVER.
 6. HORIZONTAL JOINTS SHALL BE SEALED FOR WATER TIGHTNESS USING A DOUBLE ROW OF ELASTOMERIC OR MASTIC-LIKE SEALANT.
 7. BARREL AND CONE SECTIONS SHALL BE PRECAST REINFORCED CONCRETE DESIGNED FOR H20 LOADING, AND CONFORMING TO ASTM C478-06.

SEWER MANHOLE
NOT TO SCALE



Waterstone Retail Development

Southgate Plaza Redevelopment

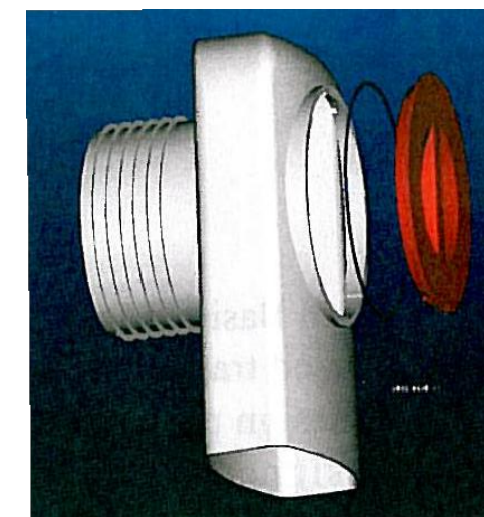
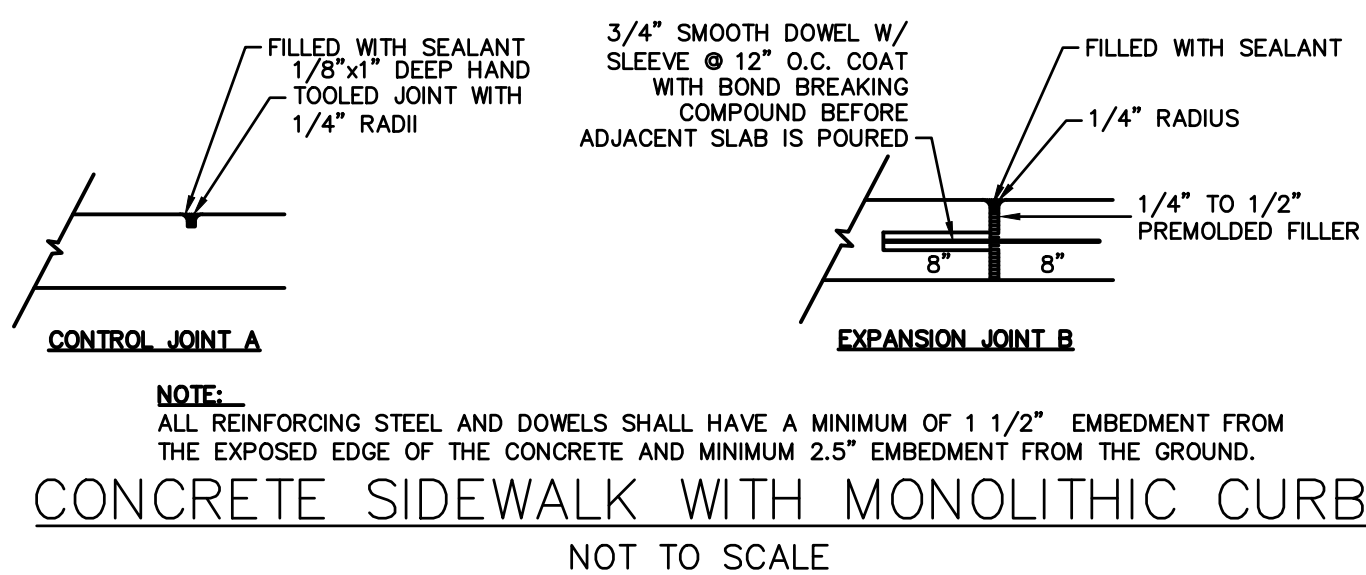
Portsmouth,
New Hampshire

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DETAILS SHEET

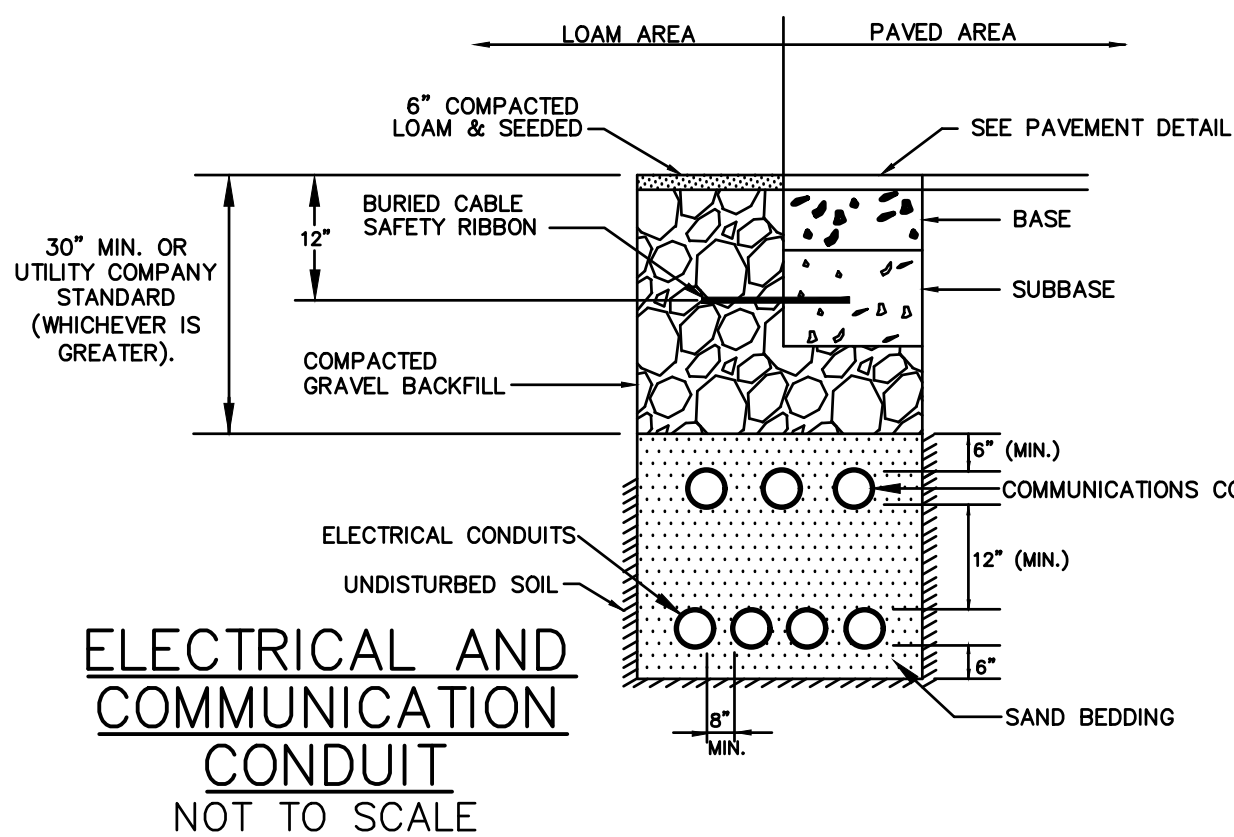
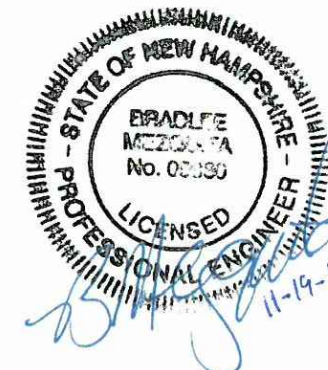
SCALE: AS SHOWN

C-10

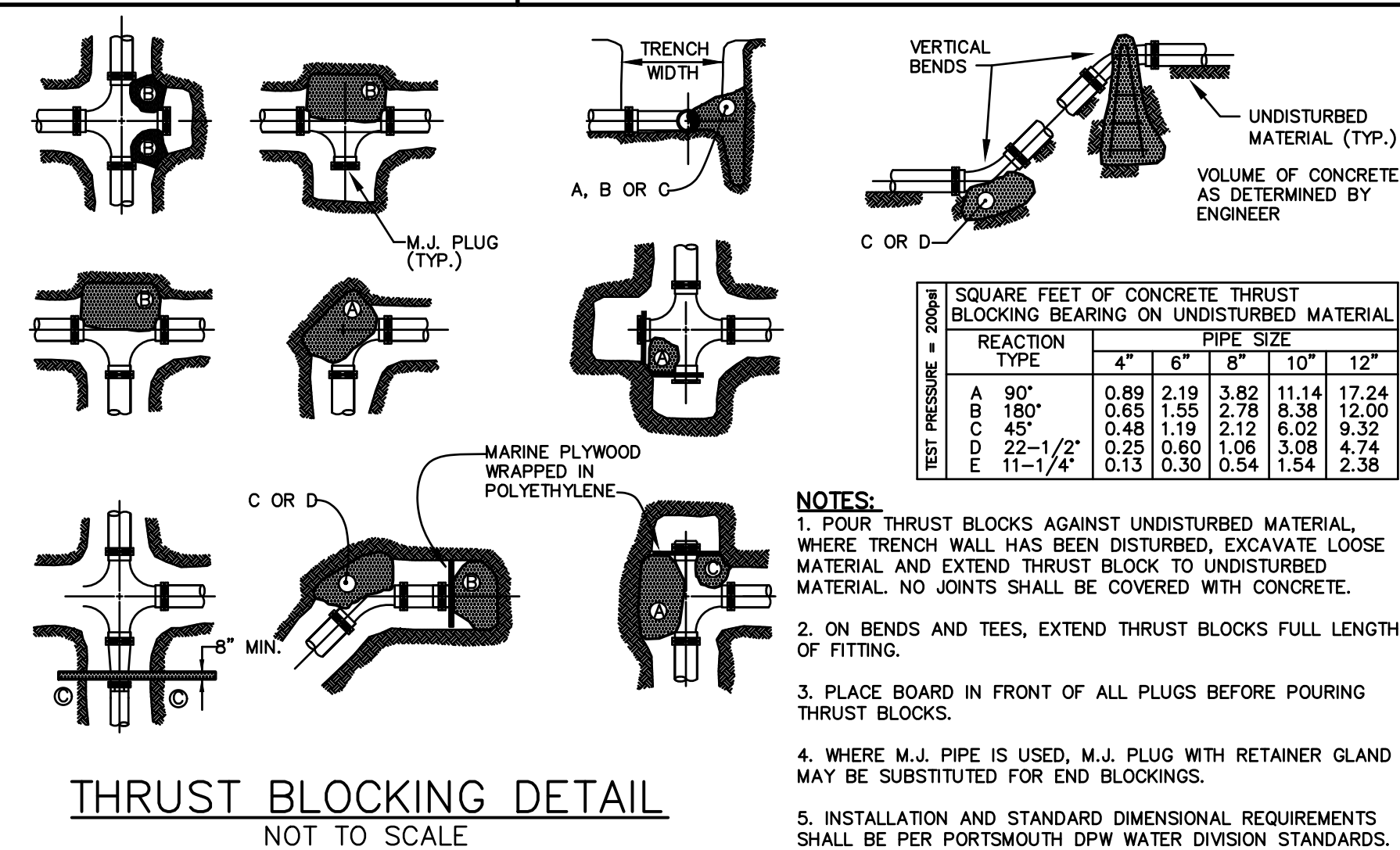
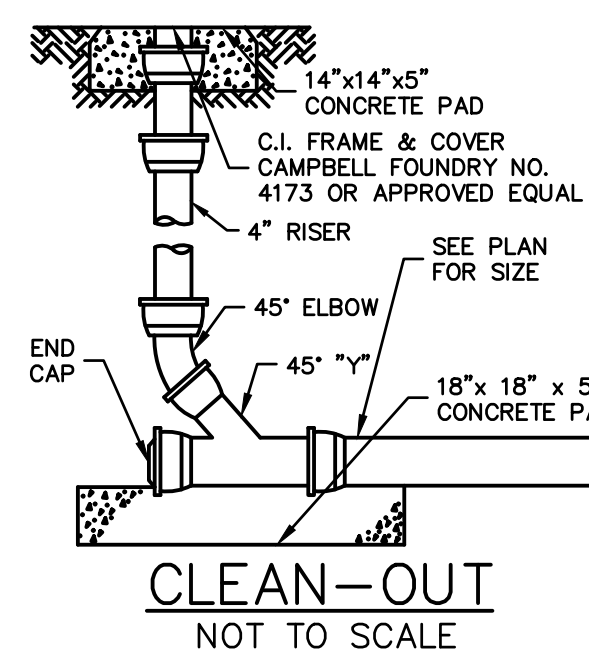
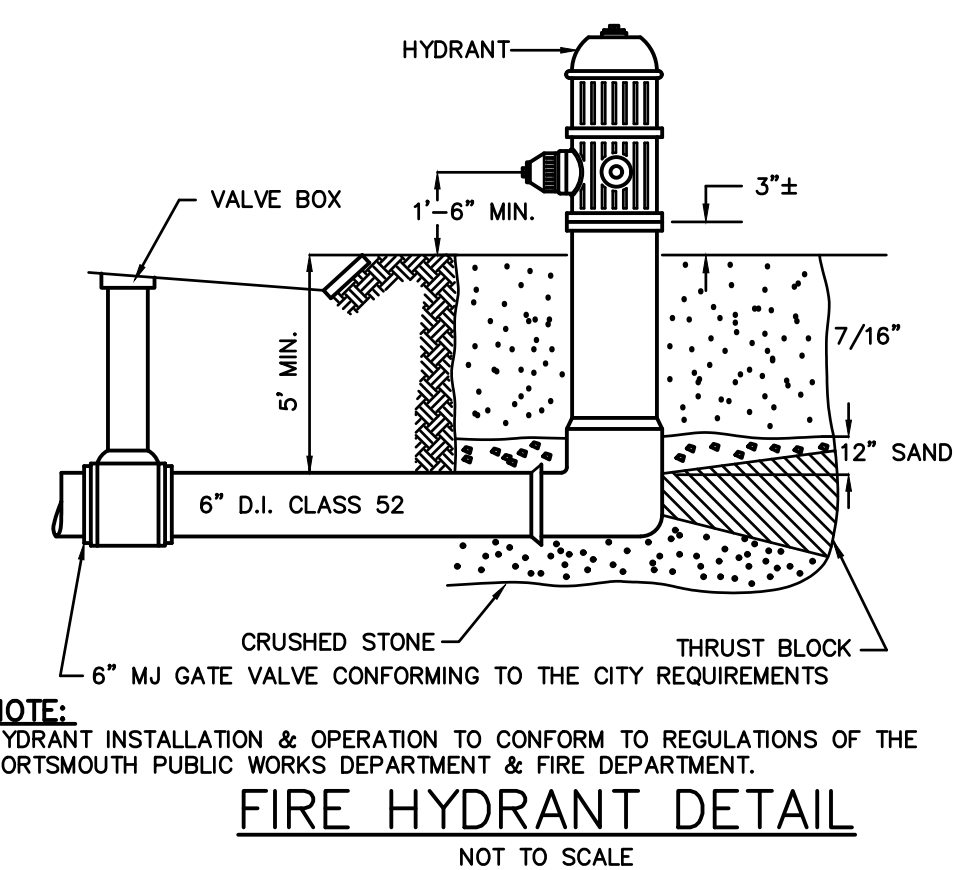


- NOTES:**
1. ALL CATCH BASIN OUTLETS TO HAVE "ELIMINATOR" OIL AND FLOATING DEBRIS TRAP MANUFACTURED BY KLEANSTREAM (NO EQUAL)
 2. INSTALL DEBRIS TRAP TIGHT TO INSIDE OF STRUCTURE.
 3. 1/4" HOLE SHALL BE DRILLED IN TOP OF DEBRIS TRAP

"ELIMINATOR OIL
FLOATING DEBRIS TRAP
NOT TO SCALE

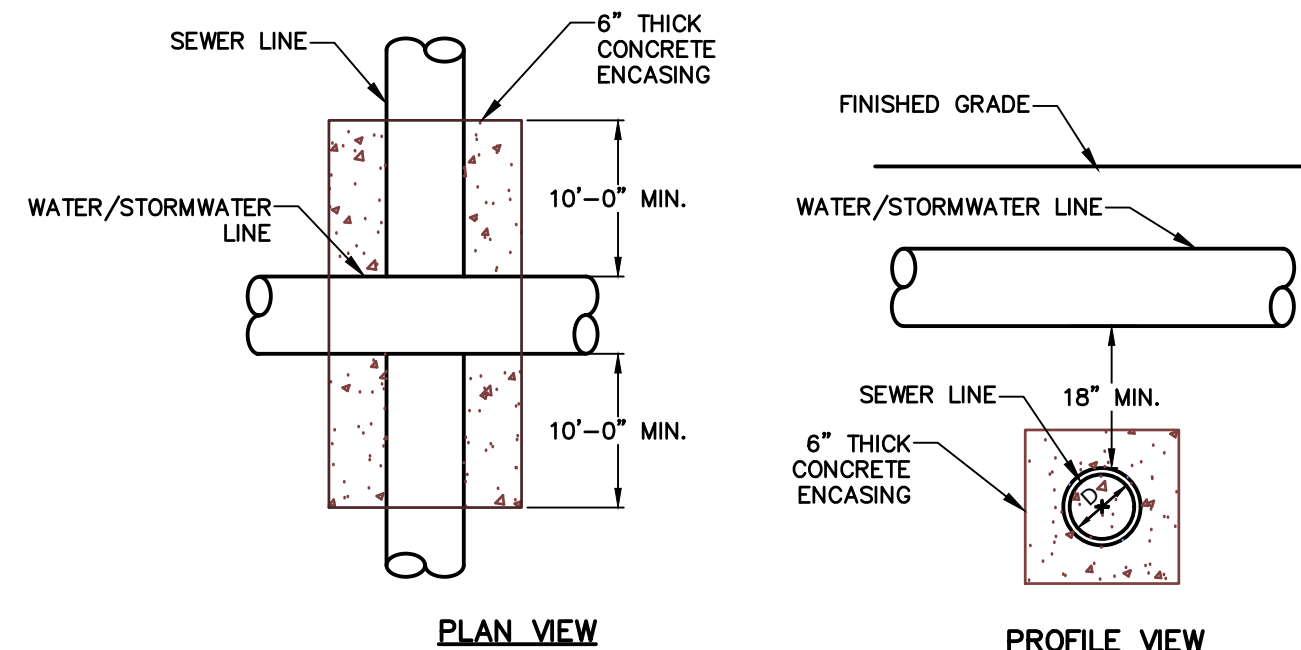


- NOTES:
1. NUMBER, MATERIAL & SIZE OF UTILITY CONDUITS TO BE DETERMINED BY LOCAL UTILITY OR AS SHOWN ON ELECTRICAL DRAWINGS. PROVIDE 1/2" MIN. SPACING BETWEEN SPARE CONDUIT FOR EACH UTILITY TO BUILDING.
 2. DIMENSIONS SHOWN REPRESENT OWNERS MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS MAY BE GREATER BASED ON UTILITY COMPANY STANDARDS, BUT SHALL NOT BE LESS THAN THOSE SHOWN.
 3. NO CONDUIT RUN SHALL EXCEED 360 DEGREES IN TOTAL BENDS.
 4. A SUITABLE PULLING STRING, CAPABLE OF 200 POUNDS TENSION MUST BE INSTALLED IN THE CONDUIT BEFORE UTILITY COMPANY IS NOTIFIED TO INSTALL CABLE. THE STRING SHOULD BE BLOWN INTO THE CONDUIT AFTER THE RUN IS ASSEMBLED TO AVOID BONDING THE STRING TO THE CABLE.
 5. UTILITY COMPANY MUST BE GIVEN THE OPPORTUNITY TO INSPECT THE CONDUIT PRIOR TO BACKFILL. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS SHOULD THE UTILITY COMPANY BE UNABLE TO INSTALL ITS CABLE IN A SMOOTH MANNER.
 6. ALL CONDUIT INSTALLATIONS MUST CONFORM TO THE CURRENT EDITION OF THE NATIONAL ELECTRIC SAFETY CODE, STATE AND LOCAL CODES AND ORDINANCES, AND WHERE APPLICABLE, THE NATIONAL ELECTRIC CODE.
 7. ALL 90° SWEEPS WILL BE MADE USING RIGID GALVANIZED STEEL. SWEEPS WITH A 36 TO 48 INCH RADIUS.

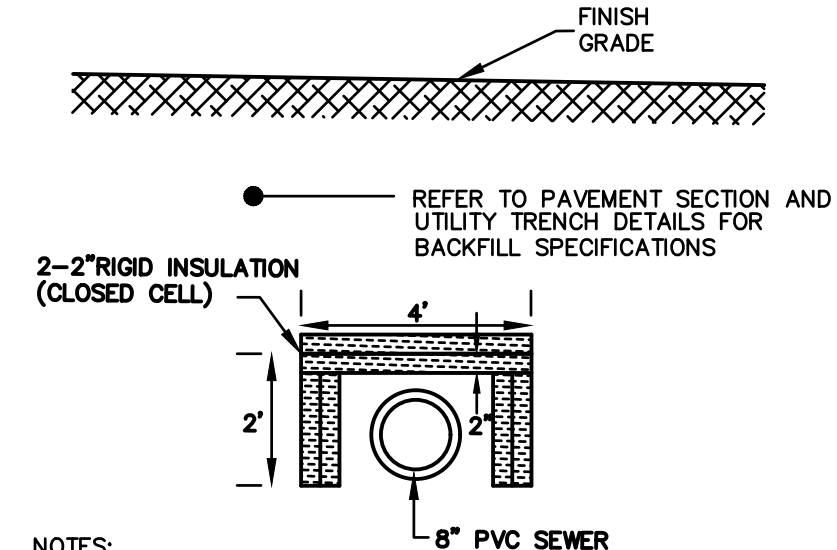


TEST PRESSURE = 200psi	SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL					
	REACTION TYPE	PIPE SIZE				
		4"	6"	8"	10"	12"
	A 90°	0.89	2.19	3.82	11.14	17.24
	B 180°	0.65	1.55	2.78	8.38	12.00
	C 45°	0.48	1.19	2.12	6.02	9.30
D 22-1/2°	0.25	0.60	1.06	3.08	4.74	
E 11-1/4°	0.13	0.30	0.54	1.54	2.38	

- NOTES:**
1. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL, WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
 2. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
 3. PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCKS.
 4. WHERE M.J. PIPE IS USED, M.J. PLUG WITH RETAINER GLAND MAY BE SUBSTITUTED FOR END BLOCKINGS.
 5. INSTALLATION AND STANDARD DIMENSIONAL REQUIREMENTS SHALL BE PER PORTSMOUTH DPW WATER DIVISION STANDARDS.



- NOTE**
1. A 10 FOOT MINIMUM EDGE TO EDGE HORIZONTAL SEPERATION SHALL BE PROVIDED BETWEEN ALL WATER/STORMWATER AND SANITARY SEWER LINES. AN 18" MINIMUM OUTSIDE TO OUTSIDE VERTICAL SEPARATION SHALL BE PROVIDED AT ALL WATER/STORMWATER AND SANITARY SEWER CROSSINGS. WHERE SEWER AND WATER CROSS, ENCASE SEWER IN CONCRETE OR THICK OR SUBSTITUTE RUBBER GASKETED PRESSURE PIPE WITH JOINTS FOR A MINIMUM DISTANCE OF 10 FEET EACH SIDE OF THE CROSSING. CROSSING SHALL CONFORM TO CITY OF PORTSMOUTH WATER DEPARTMENT STANDARDS AND SPECIFICATIONS.



- NOTES:**
1. INSTALLATION SHALL MEET THE STANDARDS OF THE CITY OF PORTSMOUTH

SEWER INSULATION DETAIL
NOT TO SCALE

ADS WATER QUALITY UNIT
NOT TO SCALE

- NOTE:**
1. CONTRACTOR SHALL COORDINATE INSTALLATION WITH MANUFACTURER

WATER & STORMWATER/SEWER CROSSING
NOT TO SCALE

Tighe & Bond
Consulting Engineers
www.tighebond.com

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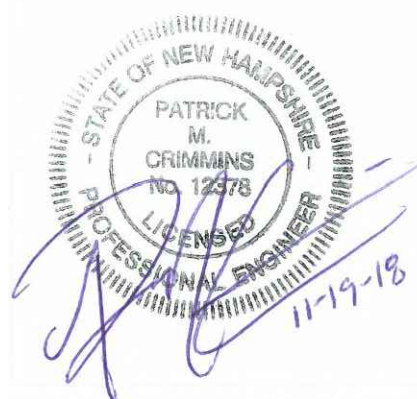
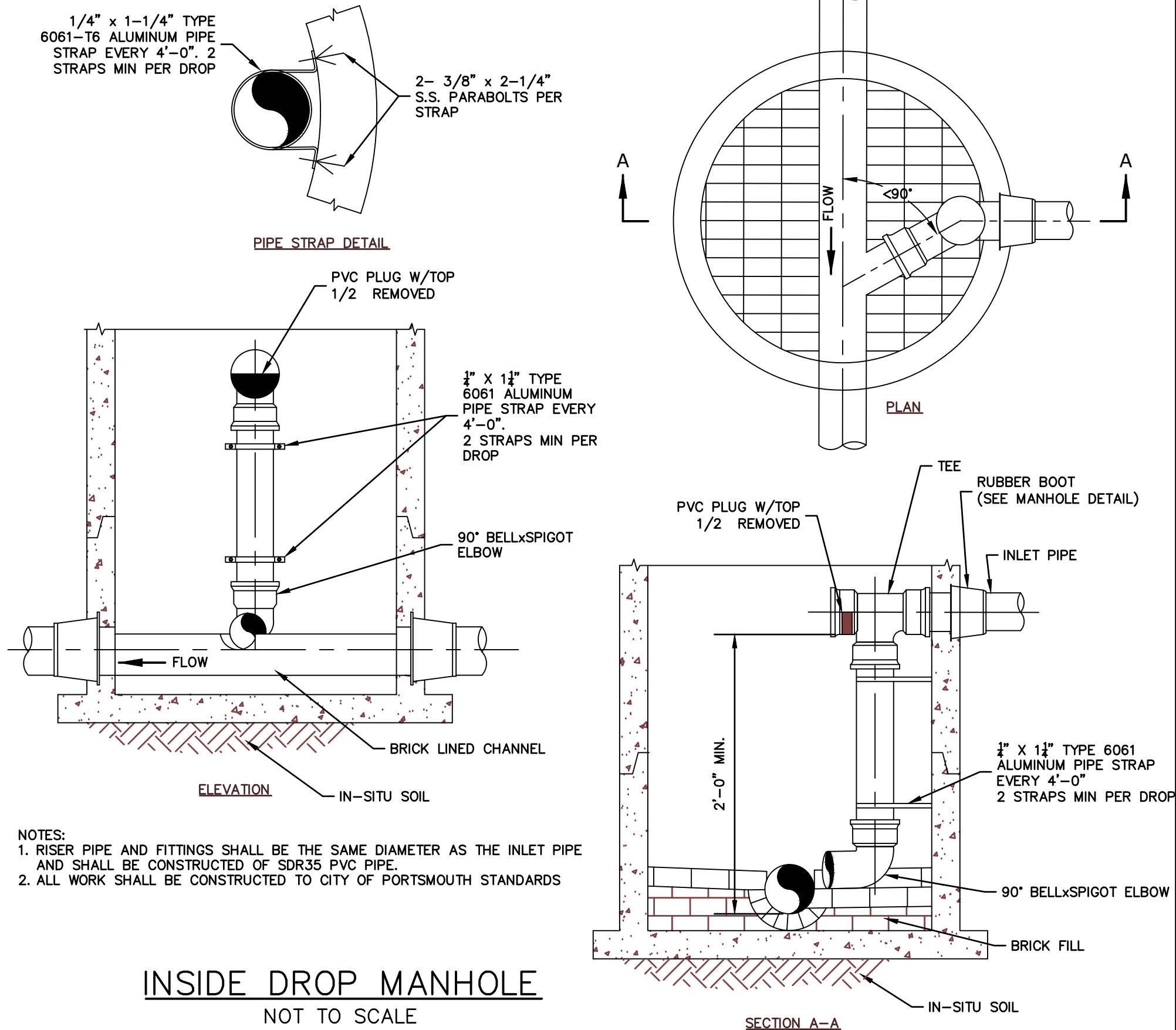
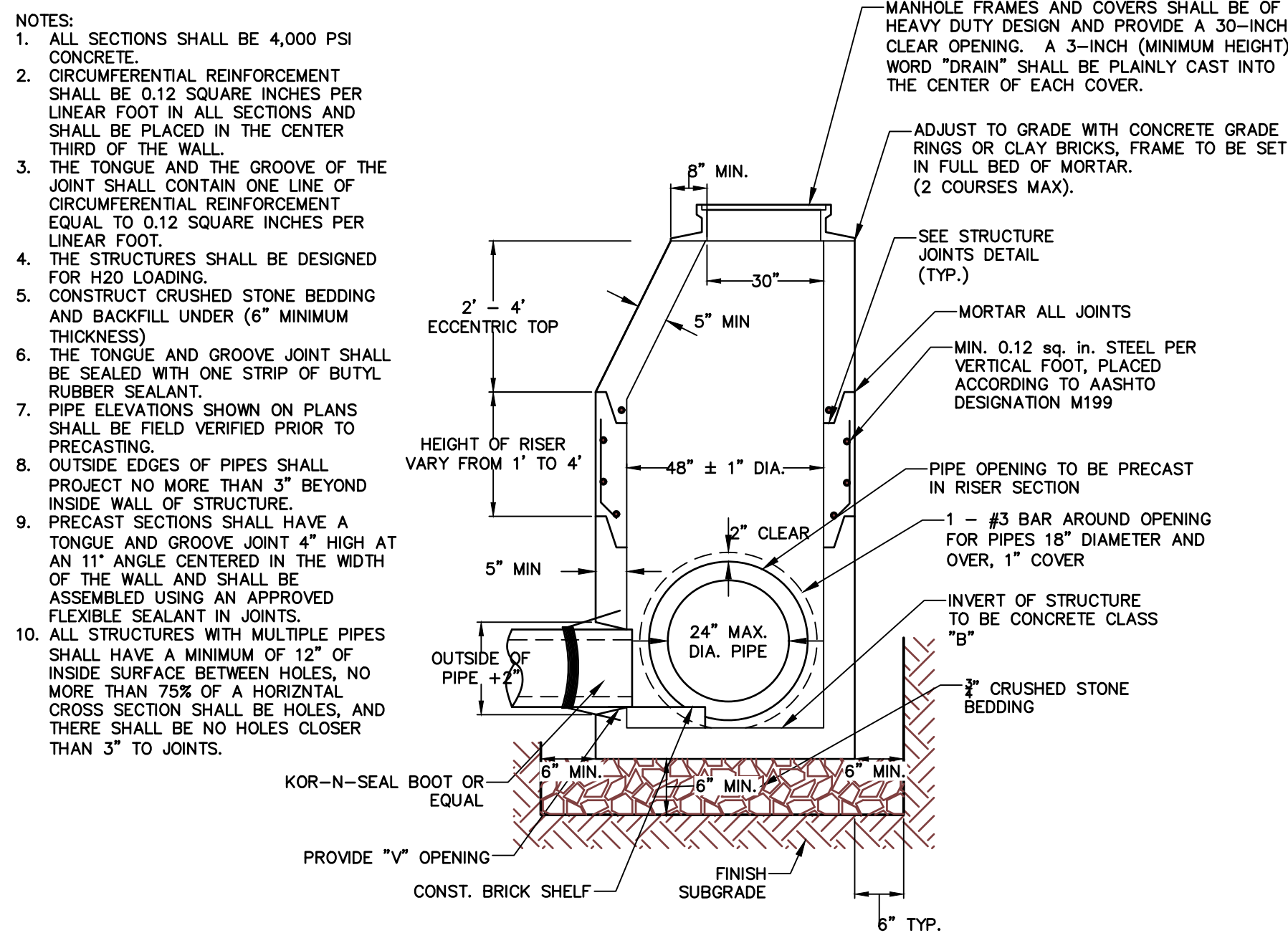
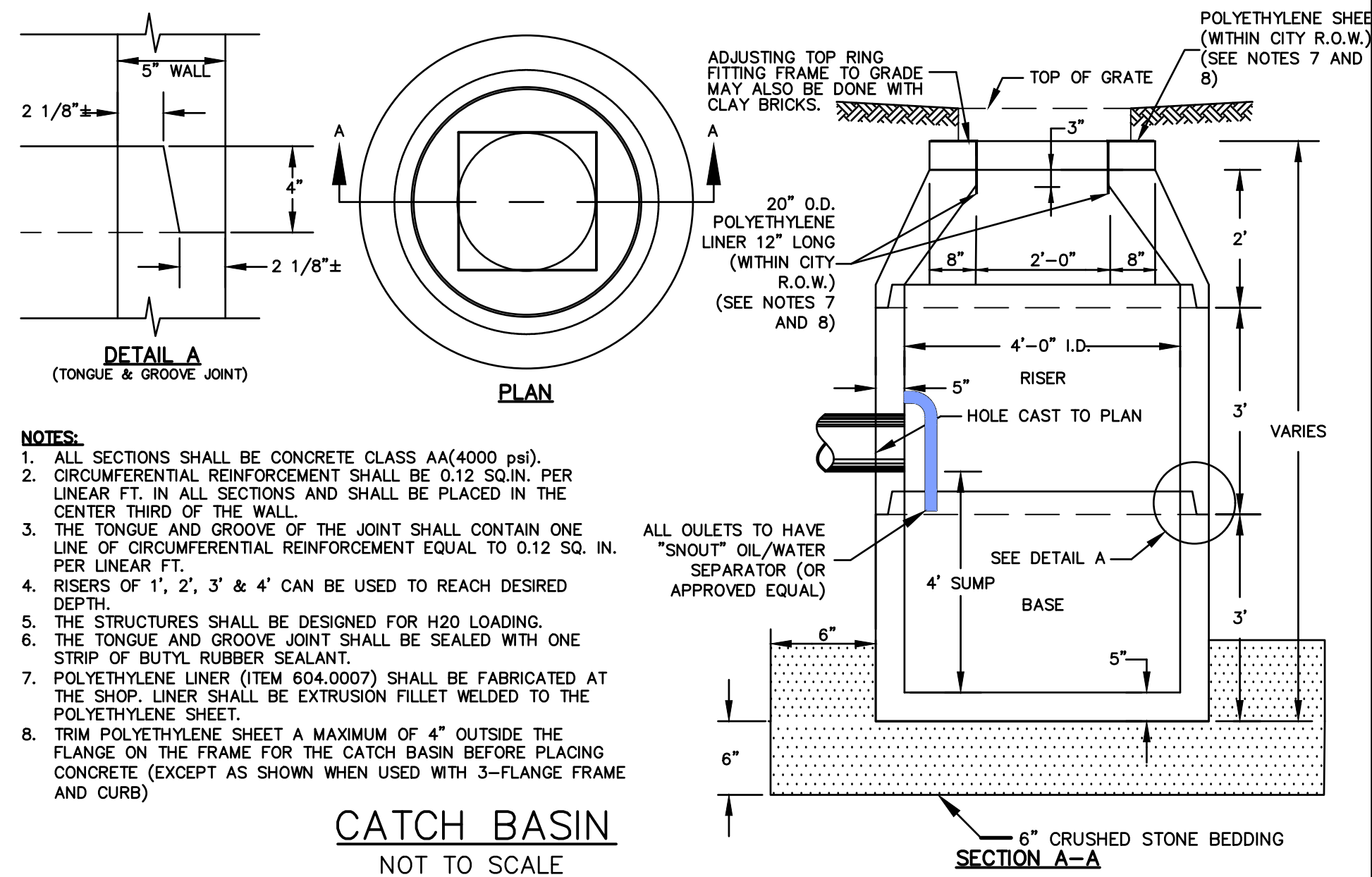
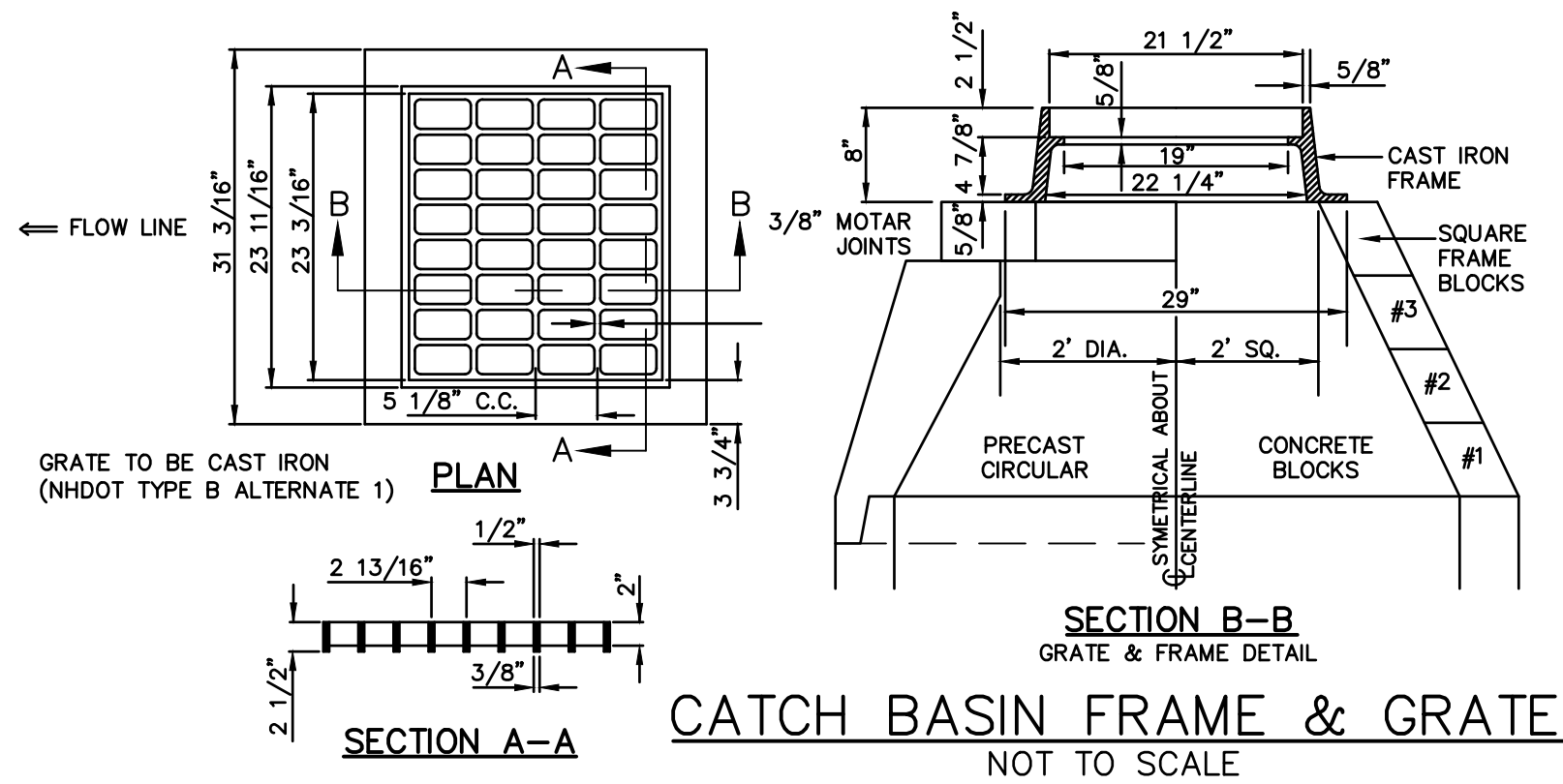
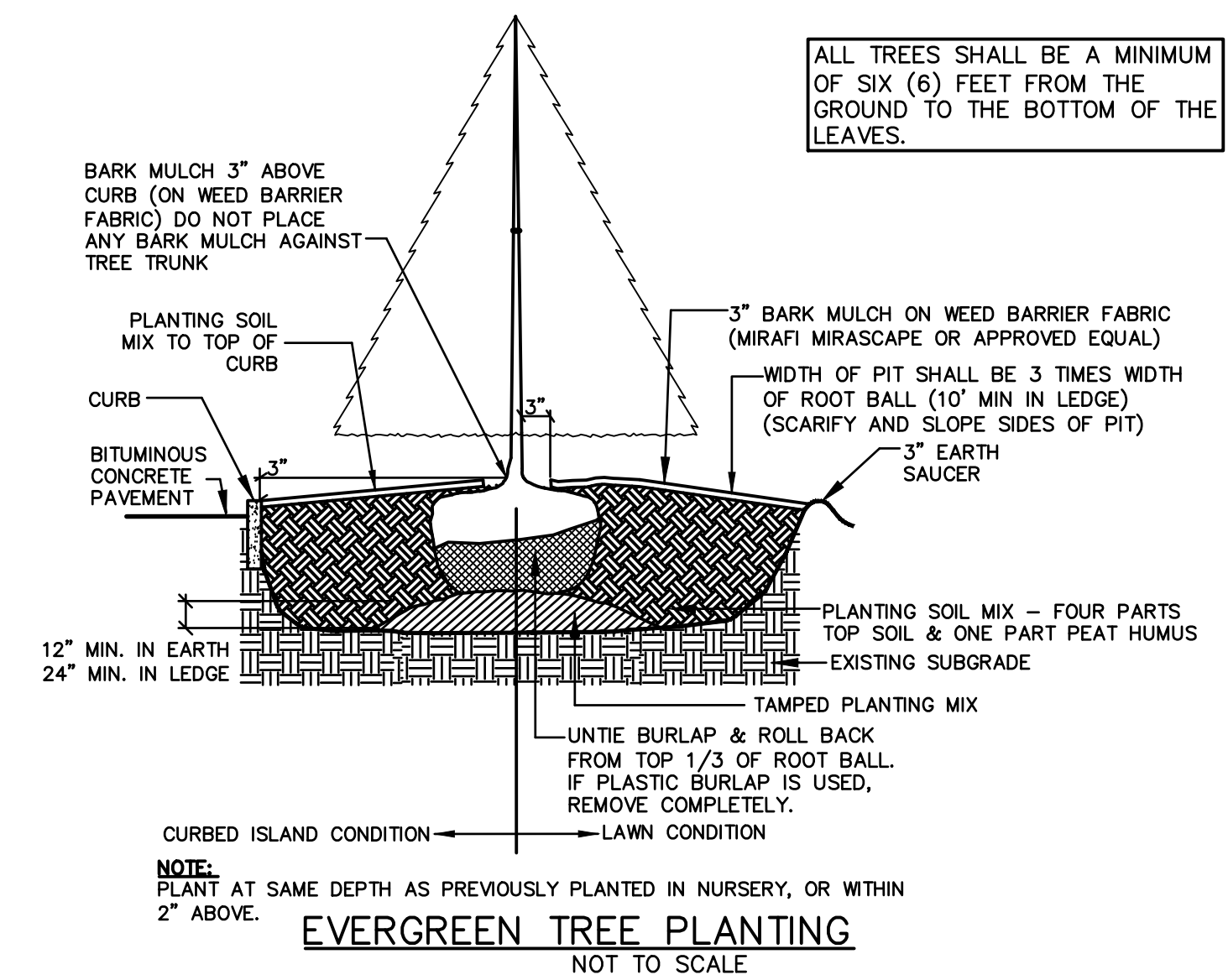
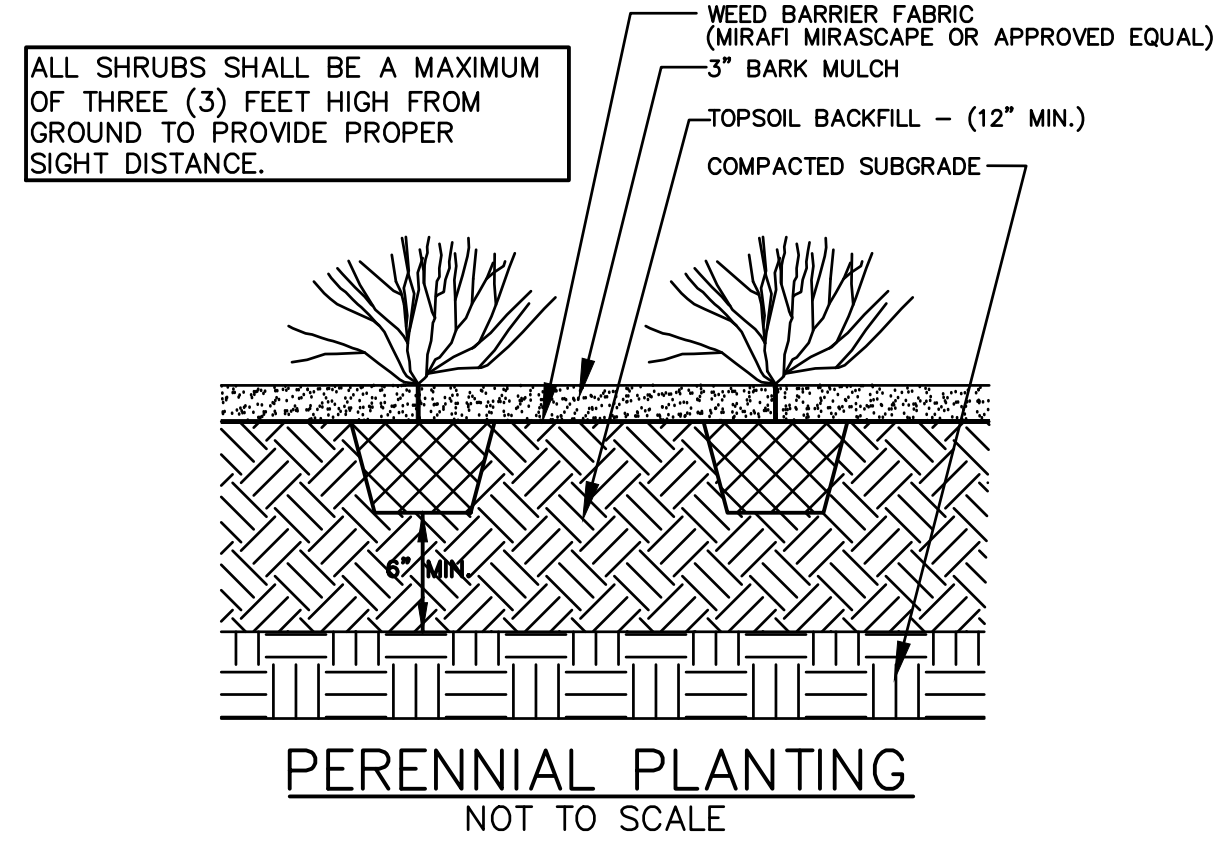
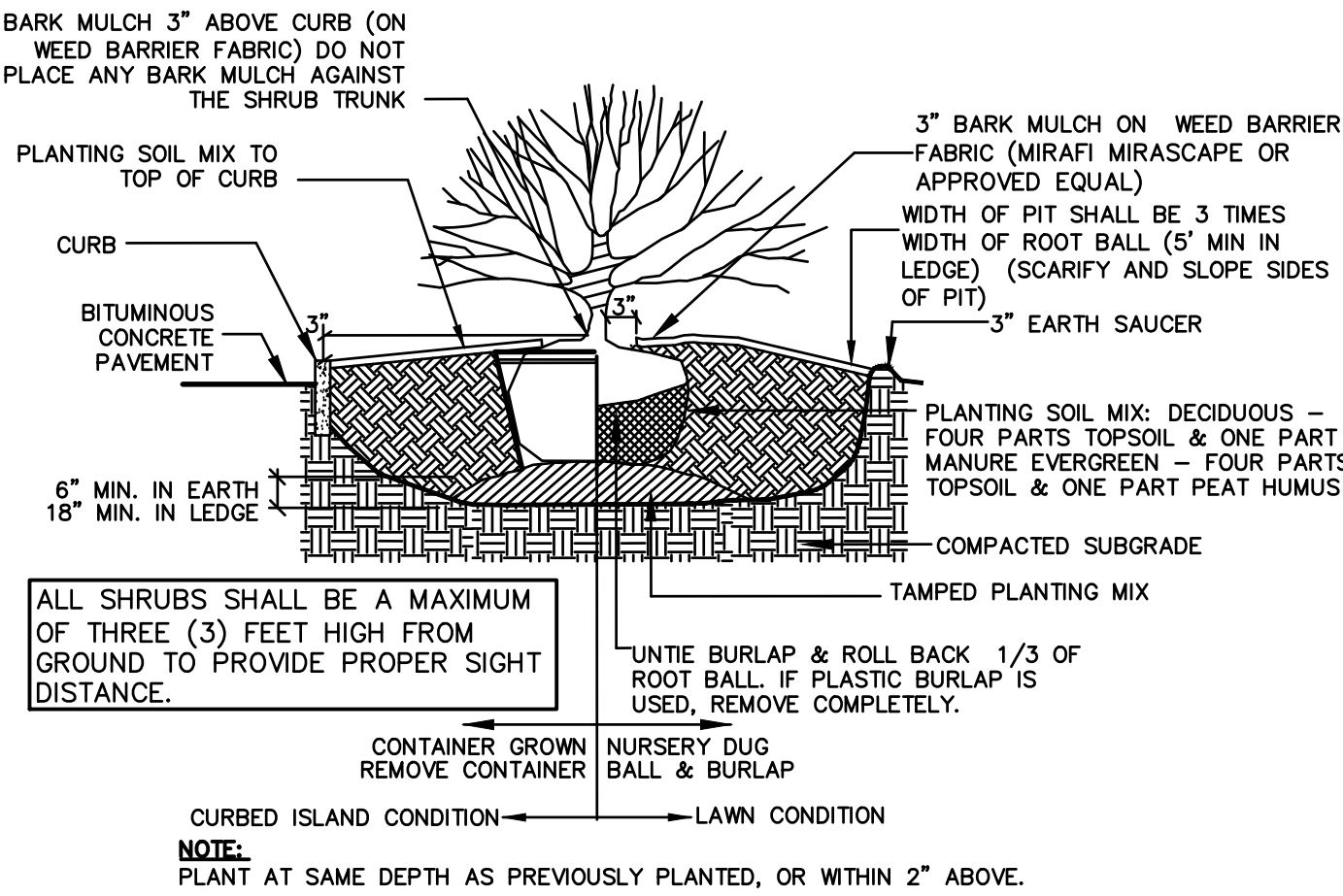
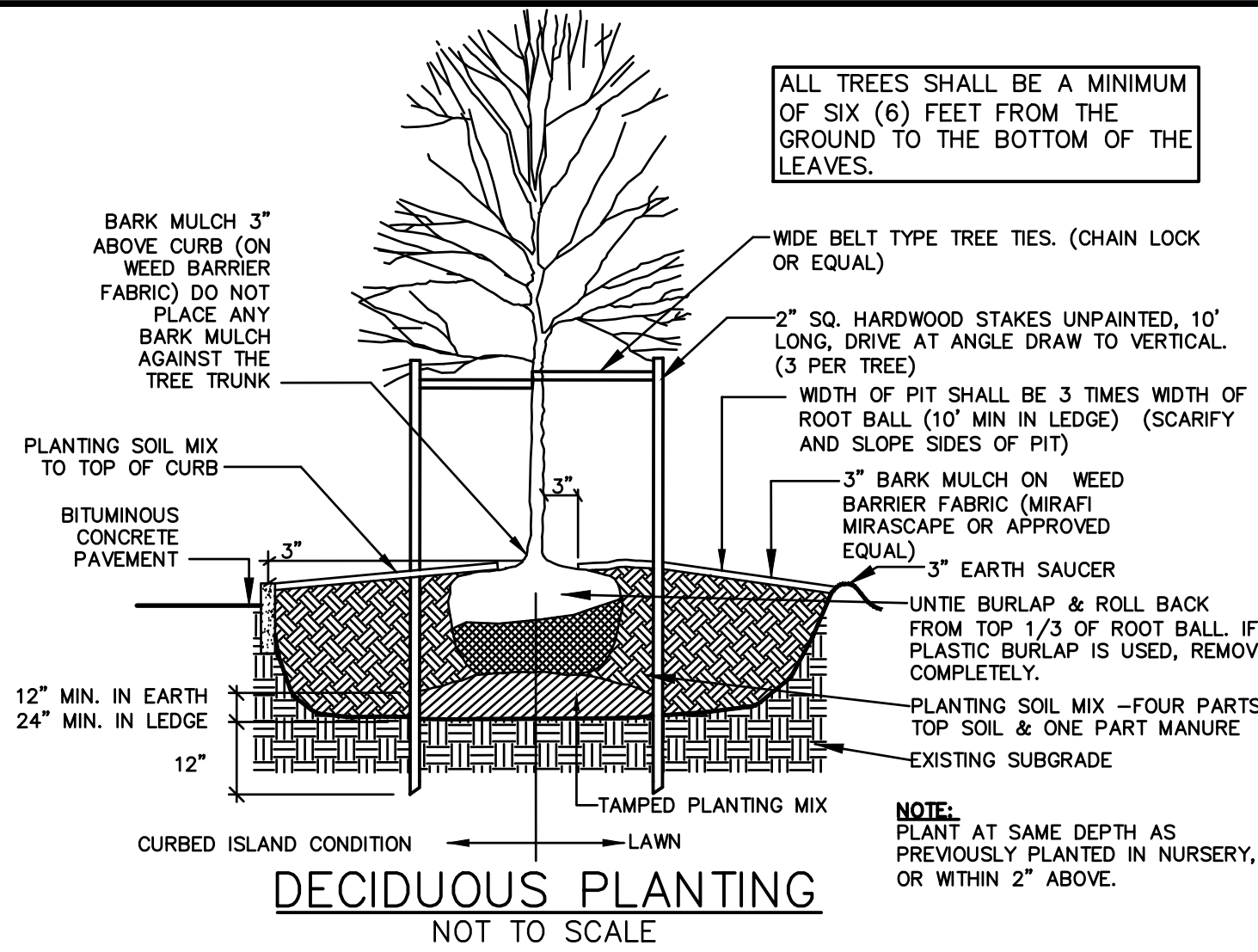
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Mark	Date	Description
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FILE:	W-1725-4-DETAILS.dwg	
DRAWN BY:		NAH/CML
CHECKED:		PMC
APPROVED BY:		BLM/PMC

DETAILS SHEET

SCALE: AS SHOWN

C-11

FILENAME: J:\W1725 WATERSTONE PORTSMOUTH, NH SOUTHGATE PLAZA (DWG-CAD DESIGN)\W-1725-4-DETAILS.DWG
SAVE DATE: 11/19/2018 11:07 AM
PLOT DATE: 11/19/2018 11:14 AM



Waterstone Retail Development

Southgate Plaza Redevelopment

Portsmouth,
New Hampshire

Mark	Date	Description
A	11/19/18	TAC Submission
PROJECT NO: W1725		
FILE: W-1725-4-DETAILS.dwg		
DRAWN BY: NAH/CML		
CHECKED: PMC		
APPROVED BY: BLM/PMC		

DETAILS SHEET

SCALE: AS SHOWN

C-12

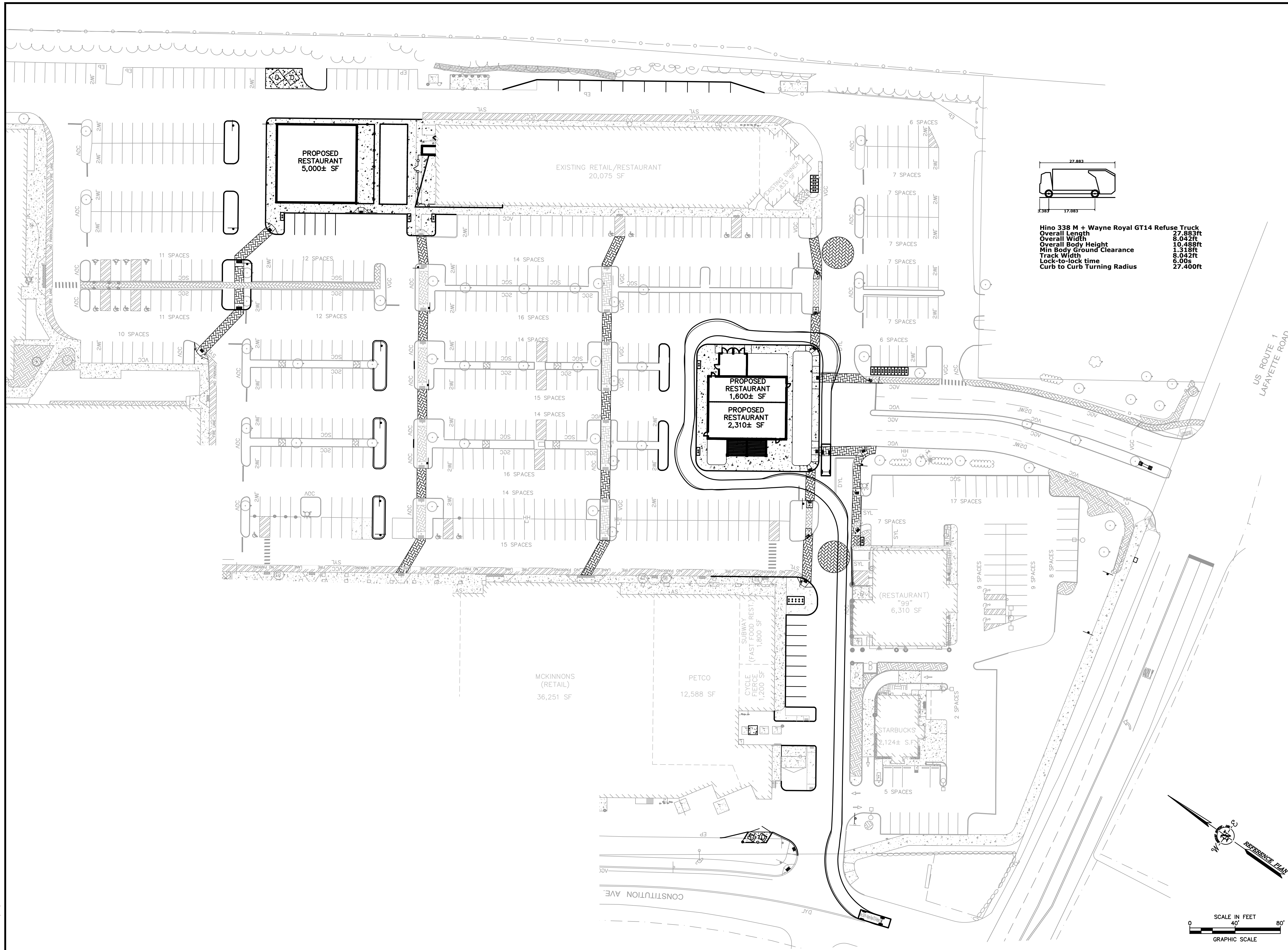
Southgate Plaza Redevelopment

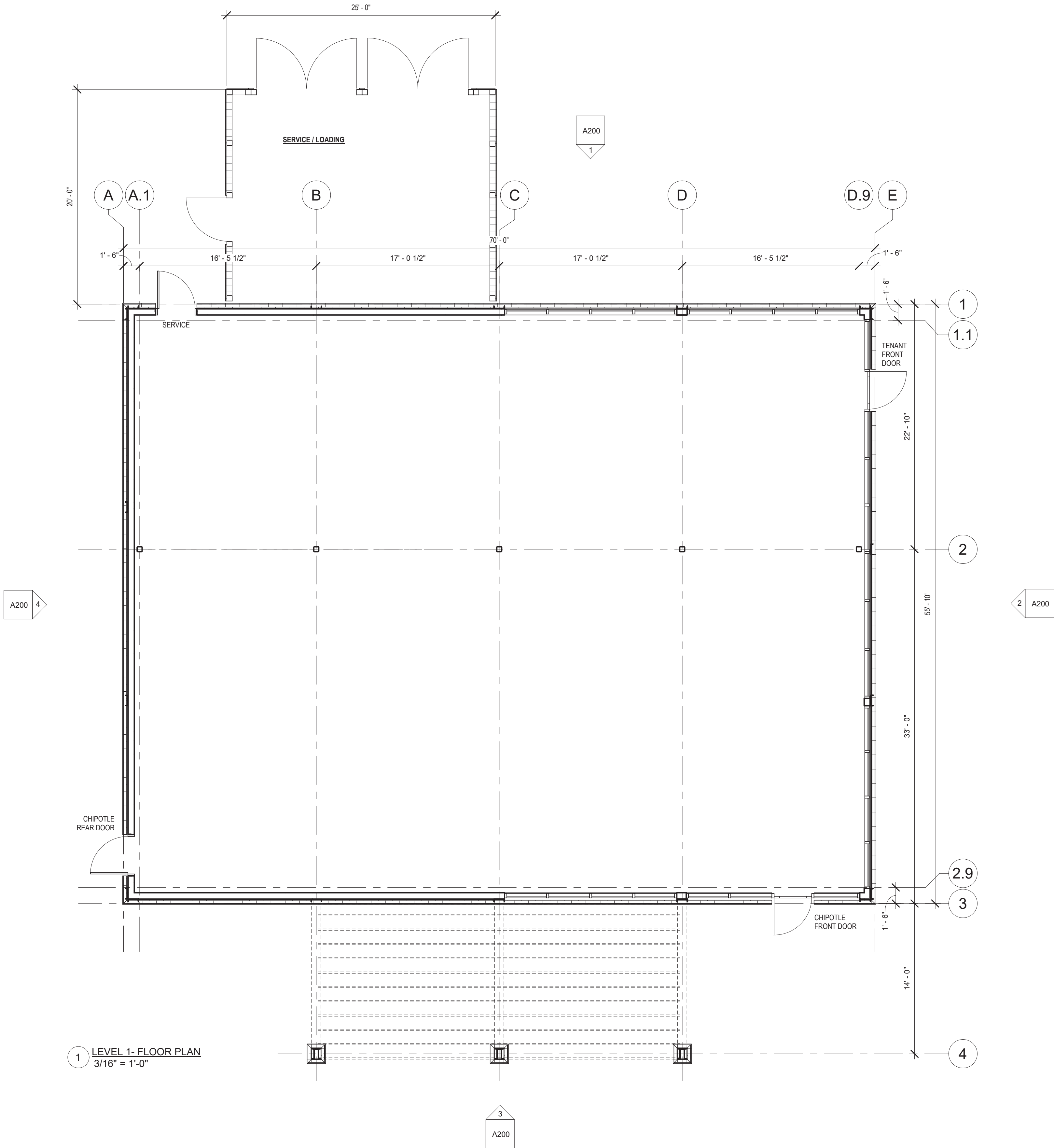
Portsmouth,
New Hampshire

A	11/19/18	TAC Submission			
Mark	Date	Description			
PROJECT NO: W1725					
FILE: W-1725-4-DSGN.dwg					
DRAWN BY:		NAH/CML			
CHECKED:		PMC			
APPROVED BY:		BLM/PMC			

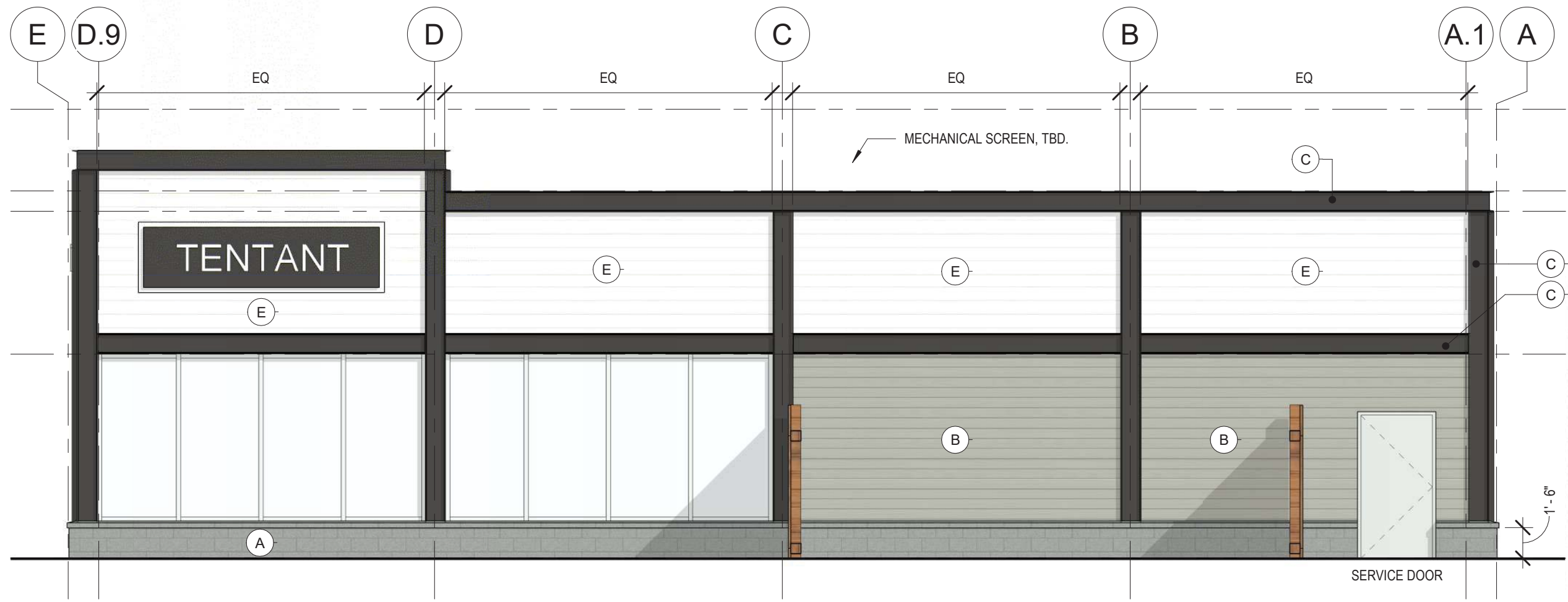
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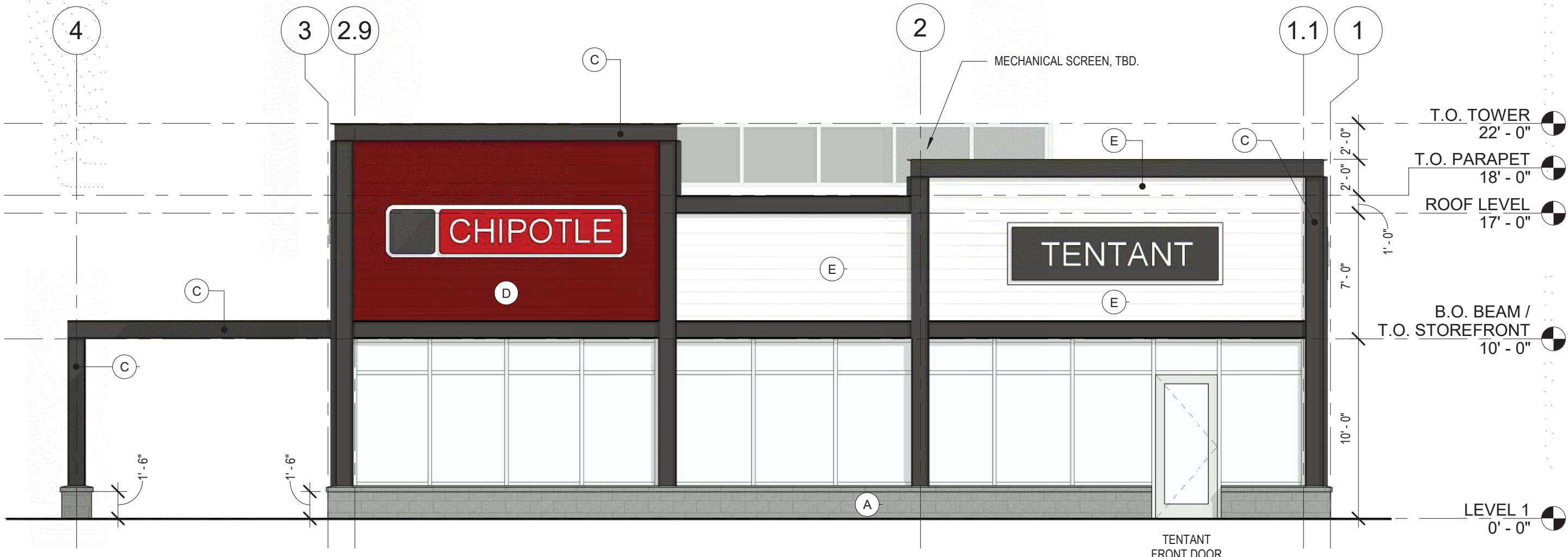




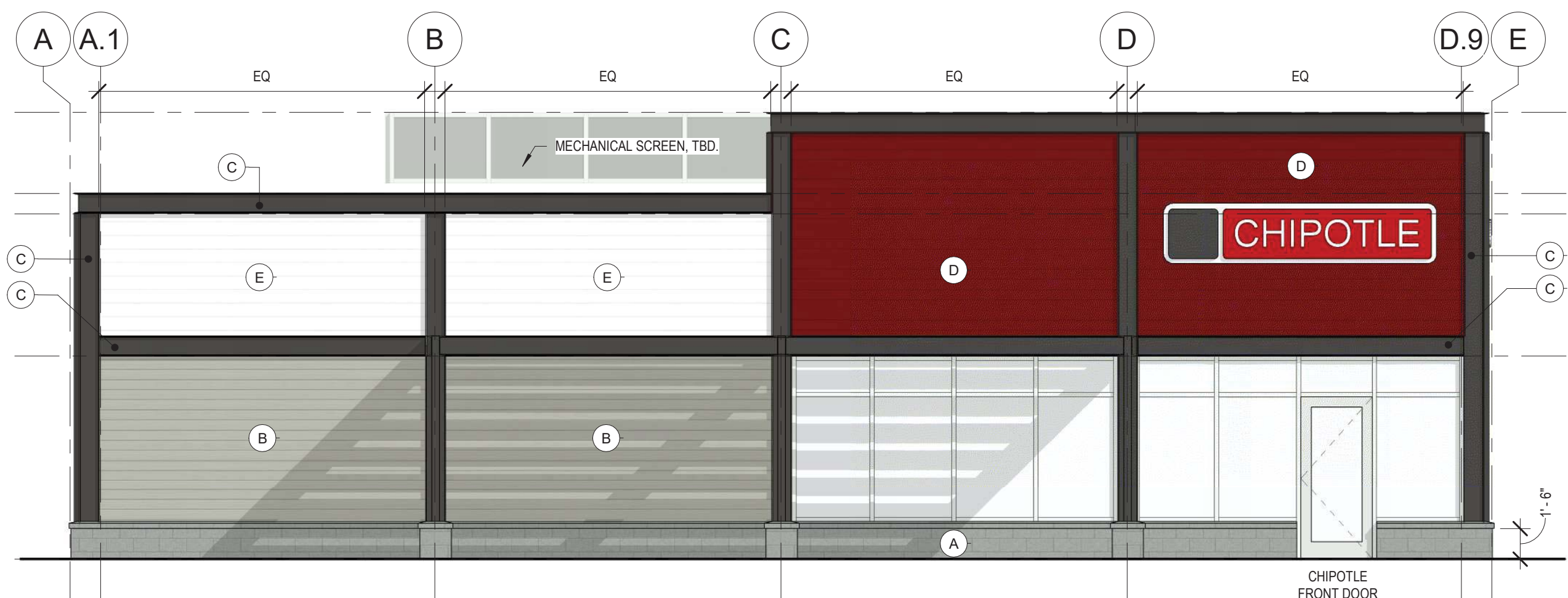
MATERIAL LEGEND	
MARK	Description
A	ARCHITECTURAL MASONRY LIMESTONE BLOCK
B	HARDIE PLANKS, 5" - COLOR GREY / TBD
C	"FORMA" (GFRC) GLASS FIBER REINFORCED CONCRETE - C-CHANNEL
D	HARDIE PLANKS, 5" - COLOR RED / TBD
E	HARDIE PLANK, 8" - COLOR WHITE / TBD
H	T&G WOOD SIDING "IPE"



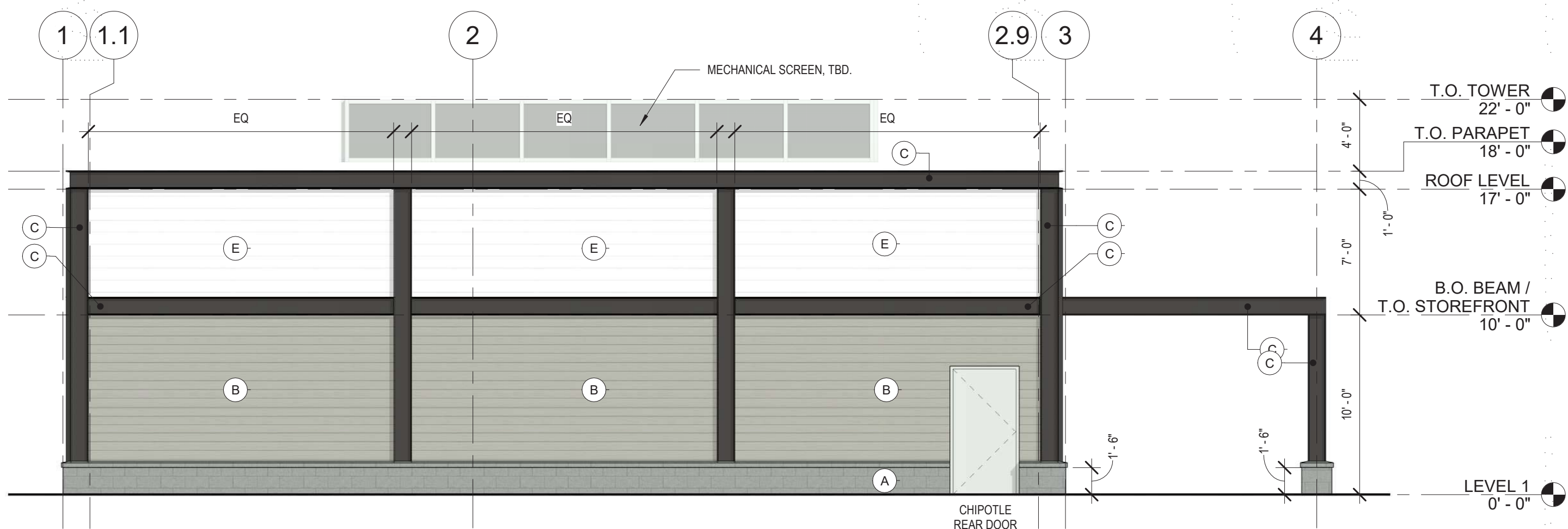
1 NORTH ELEVATION
3/16" = 1'-0"



2 EAST ELEVATION
3/16" = 1'-0"



3 SOUTH ELEVATION
3/16" = 1'-0"

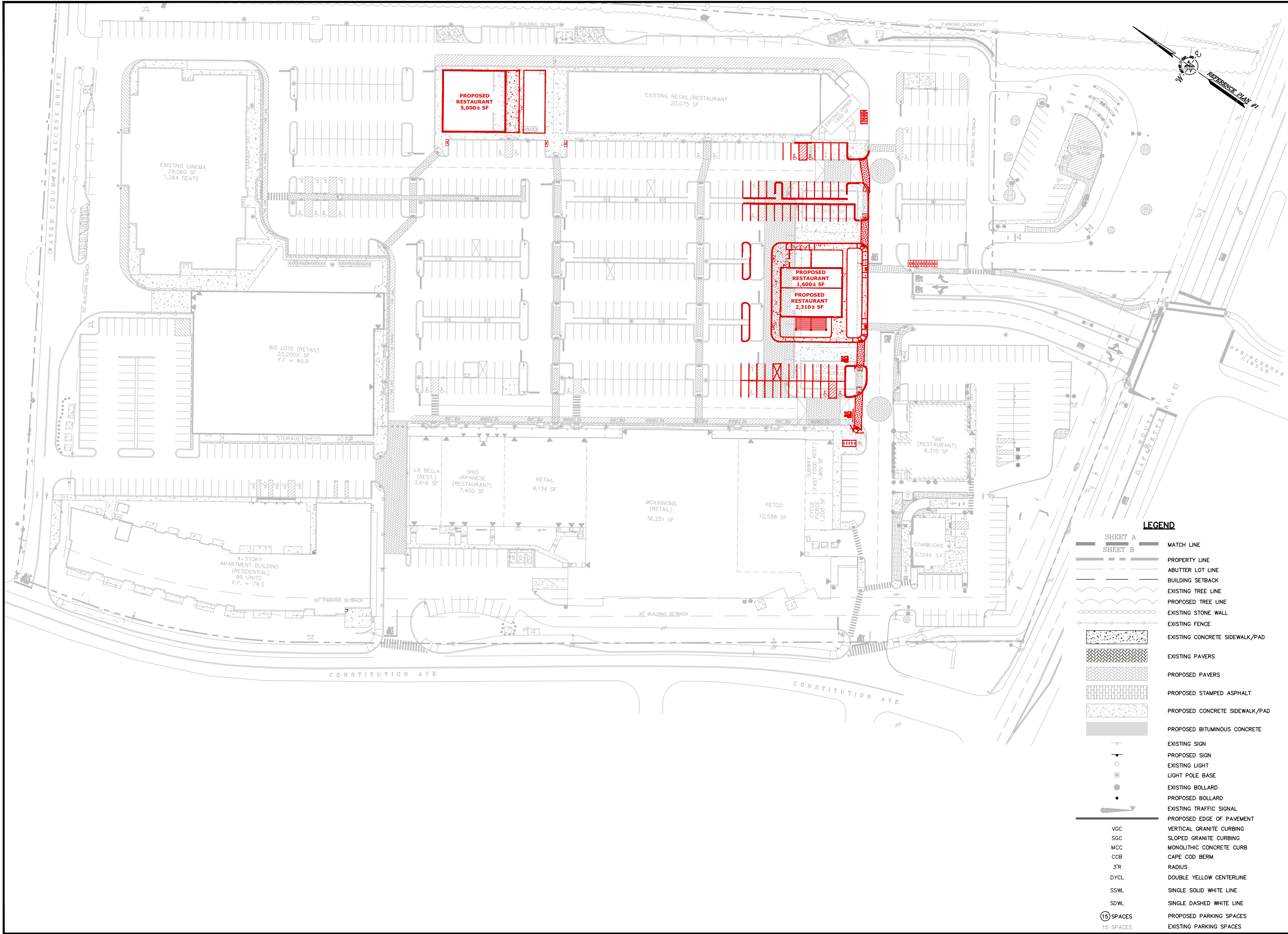


4 WEST ELEVATION
3/16" = 1'-0"



Mark	Date
Revisions	
Date	03/29/17
Scale	
Job No.	2823
Sheet No.	

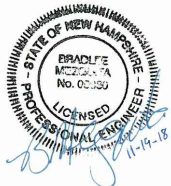
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SAVE DATE: 11/19/2018 11:06 AM
PLOT DATE: 11/19/2018 11:17 AM



LEGEND

	MATCH LINE
	PROPERTY LINE
	ABUTTER LOT LINE
	BUILDING SETBACK
	EXISTING TREE LINE
	PROPOSED TREE LINE
	EXISTING STONE WALL
	EXISTING FENCE
	EXISTING CONCRETE SIDEWALK/PAD
	EXISTING PAVERS
	PROPOSED PAVERS
	PROPOSED STAMPED ASPHALT
	PROPOSED CONCRETE SIDEWALK/PAD
	PROPOSED BITUMINOUS CONCRETE
	EXISTING SIGN
	PROPOSED SIGN
	EXISTING LIGHT
	LIGHT POLE BASE
	EXISTING BOLLARD
	PROPOSED BOLLARD
	EXISTING TRAFFIC SIGNAL
	PROPOSED EDGE OF PAVEMENT
	VERTICAL GRANITE CURBING
	SLOPED GRANITE CURBING
	MONOLITHIC CONCRETE CURB
	CAPE COD BERM
	RADIUS
	DOUBLE YELLOW CENTERLINE
	SINGLE SOLID WHITE LINE
	SINGLE DASHED WHITE LINE
	PROPOSED PARKING SPACES
	EXISTING PARKING SPACES

VGC	VERTICAL GRANITE CURBING
SGC	SLOPED GRANITE CURBING
MCC	MONOLITHIC CONCRETE CURB
CCB	CAPE COD BERM
3'R	RADIUS
DYCL	DOUBLE YELLOW CENTERLINE
SSWL	SINGLE SOLID WHITE LINE
SDWL	SINGLE DASHED WHITE LINE
(15) SPACES	PROPOSED PARKING SPACES
15 SPACES	EXISTING PARKING SPACES



Waterstone Retail Development

Southgate Plaza Redevelopment

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A	11/19/18	TAC Submission
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PROJECT NO: W1725		
FILE: W-1725-4-DSGN.dwg		
DRAWN BY: NAH/CML		
CHECKED: PMC		
APPROVED BY: BLM/PMC		
OVERALL SITE PLAN AMENDMENT EXHIBIT		
SCALE: AS SHOWN		
1 OF 1		