



Know what's below
811 before you dig

PROPOSED DEVELOPMENT "WASHVILLE CAR WASH" TAX MAP 156, LOT 16 9 MORGAN ROAD, HUDSON, NH

WAIVERS REQUESTED:
PARKING IN FRONT SETBACK: 276-11.1.B(12)
LOADING DOCK: 275-8.C(6)(a)

EXISTING	PROPOSED	DESCRIPTION
---	---	PROPERTY LINES
---	---	SETBACK LINES
---	---	CENTERLINE
---	---	FRESHWATER WETLANDS LINE
---	---	TIDAL WETLANDS LINE
---	---	STREAM CHANNEL
---	---	TREE LINE
---	---	STONEWALL
---	---	BARBED WIRE
---	---	FENCE
---	---	STOCKADE FENCE
---	---	SOIL BOUNDARY
---	---	AQUIFER PROTECTION LINE
---	---	FLOOD PLAIN LINE
---	---	ZONELINE
---	---	EASEMENT
---	---	MAJOR CONTOUR
---	---	MINOR CONTOUR
---	---	EDGE OF PAVEMENT
---	---	VERTICAL GRANITE CURB
---	---	SLOPE GRANITE CURB
---	---	CAPE COD BERM
---	---	POURED CONCRETE CURB
---	---	SILT FENCE
---	---	DRAINAGE LINE
---	---	SEWER LINE
---	---	SEWER FORCE MAIN
---	---	GAS LINE
---	---	WATER LINE
---	---	WATER SERVICE
---	---	OVERHEAD ELECTRIC
---	---	UNDERGROUND ELECTRIC
---	---	GUARDRAIL
---	---	UNDERDRAIN
---	---	FIRE PROTECTION LINE
---	---	THRUST BLOCK
---	---	IRON PIPE/IRON ROD
---	---	DRILL HOLE
---	---	IRON ROD/DRILL HOLE
---	---	STONE/GRANITE BOUND
---	---	SPOT GRADE
---	---	PAVEMENT SPOT GRADE
---	---	CURB SPOT GRADE
---	---	BENCHMARK (TBM)
---	---	DOUBLE POST SIGN
---	---	SINGLE POST SIGN
---	---	WELL
---	---	TEST PIT
---	---	FAILED TEST PIT
---	---	MONITORING WELL
---	---	PERC TEST
---	---	TREES AND BUSHES
---	---	UTILITY POLE
---	---	LIGHT POLES
---	---	DRAIN MANHOLE
---	---	SEWER MANHOLE
---	---	HYDRANT
---	---	WATER GATE
---	---	WATER SHUT OFF
---	---	REDUCER
---	---	SINGLE GRATE CATCH BASIN
---	---	DOUBLE GRATE CATCH BASIN
---	---	TRANSFORMER
---	---	CULVERT W/WINGWALLS
---	---	CULVERT W/FLARED END SECTION
---	---	CULVERT W/STRAIGHT HEADWALL
---	---	STONE CHECK DAM
---	---	DRAINAGE FLOW DIRECTION
---	---	4K SEPTIC AREA
---	---	WETLAND IMPACT
---	---	VEGETATED FILTER STRIP
---	---	RIPRAP
---	---	PAVEMENT HATCH
---	---	FRESHWATER WETLANDS
---	---	STABILIZED CONSTRUCTION ENTRANCE
---	---	CONCRETE
---	---	GRAVEL
---	---	SNOW STORAGE



LOCUS MAP
SCALE 1" = 1000'

SHEET INDEX

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PERMITS

TYPE OF PERMIT	STATUS
HUDSON SITE PLAN APPROVAL: TOWN OF HUDSON PLANNING BOARD 12 SCHOOL STREET HUDSON, NEW HAMPSHIRE 03051 (603) 886-6000 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED: 08/28/25 PERMIT NO. DATED: EXPIRATION:
NHDES ALTERATION OF TERRAIN PERMIT: NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES - WATER DIVISION 29 HAZEN DRIVE, P.O. BOX 95 CONCORD, NEW HAMPSHIRE 03302-0095 (603) 271-3503 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED: 10/14/25 PERMIT NO. DATED: EXPIRATION:
NHDOT RIGHT OF WAY ACTIVITIES PERMIT: NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION 7 HAZEN DRIVE CONCORD, NEW HAMPSHIRE 03301 (603) 271-3734 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	SUBMITTED: 10/30/25 PERMIT NO. DOT-DRI-004155 DATED: 03/23/26 EXPIRATION: 03/23/27
USEPA NPDES PHASE II CONSTRUCTION GENERAL PERMIT, NOTICE OF INTENT (NOI), AND NOTICE OF TERMINATION (NOT) TO BE FILED IN ACCORDANCE WITH FEDERAL AND LOCAL REGULATIONS PRIOR TO AND FOLLOWING CONSTRUCTION: EPA STORMWATER NOTICE PROCESSING CENTER MAIL CODE 4203M, US EPA 1200 PENNSYLVANIA AVENUE, NW WASHINGTON, DC 20460 RESPONSIBLE CONSULTANT: JONES & BEACH ENGINEERS, INC.	

APPLICANT / DEVELOPER
WASHVILLE CARWASH
ATTN: JIM WATERMAN
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(978) 337-9660
EMAIL:
JIM.WATERMAN@WASHVILLECARWASH.COM

OWNER OF RECORD
HUDSON ENTERPRISES, LLC
69 ATLANTIC AVE.
NORTH HAMPTON, NH 03862

CIVIL ENGINEER / SURVEYOR
JONES & BEACH ENGINEERS, INC.
85 PORTSMOUTH AVENUE
PO BOX 219
STRATHAM, NH 03885
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CONTACT: ERIK POULIN, P.E.
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ARCHITECT
HOVER ARCHITECTURE
383 INVERNESS PKWY, SUITE 175
ENGLEWOOD, CO 80112
(720) 893-2527
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WATER AND SEWER
HUDSON WATER DEPARTMENT
12 SCHOOL STREET
HUDSON, NH 03051
(603) 886-6002

LIGHTING DESIGN
CHARRON / REFLEX LIGHTING
PO BOX 4550
MANCHESTER, NH 03108
(857) 248-9181
CONTACT: MICHAEL O'BRIEN, LC

LANDSCAPE DESIGNER
LM LAND DESIGN, LLC
11 SOUTH ROAD
BRENTWOOD, NH 03833
(603) 770-7728
CONTACT: LISE McNAUGHTON

APPROVED BY THE HUDSON, NH PLANNING BOARD
DATE OF MEETING: _____
SIGNATURE DATE: _____
SIGNATURE DATE: _____

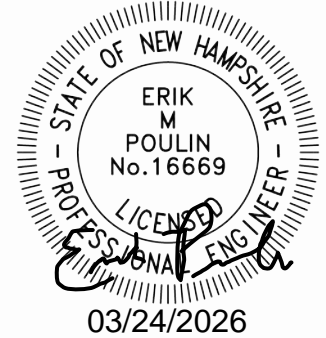
OWNER
SIGNATURE: _____
JEFF GOVE FOR HUDSON ENTERPRISES, LLC
69 ATLANTIC AVE, NORTH HAMPTON, NH
DATE: 10-7-25

PROJECT PARCEL
TOWN OF HUDSON
TAX MAP 156, LOT 16

APPLICANT
GR DEVELOPMENT
7 BENEDICT PLACE
GREENWICH, CT 06830

TOTAL LOT AREA
212,372 SQ. FT.
4.88 ACRES

Design: GAP Draft: GDR Date: 3/23/26
Checked: EMP Scale: AS NOTED Project No.: 25082
Drawing Name: 25082-PLAN.dwg
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.



REV.	DATE	REVISION	BY
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4	01/26/26	REVISED PER NHFG COMMENTS	EMP
3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
REV.	DATE	REVISION	BY

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885
Civil Engineering Services
603-772-4746
E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **COVER SHEET**
Project: **WASHVILLE CAR WASH
9 MORGAN RD, HUDSON, NH**
Owner of Record: **HUDSON ENTERPRISES, LLC
69 ATLANTIC AVE, NORTH HAMPTON, NH**

DRAWING No.
CS
SHEET 1 OF 21
JBE PROJECT NO. 25082

UTILITY NOTES:

- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER, ARCHITECT AND/OR OWNER, IN ORDER TO OBTAIN AND/OR PAY ALL THE NECESSARY LOCAL PERMITS, CONNECTION FEES AND BONDS.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM NOTICE OF FOURTEEN (14) DAYS TO ALL CORPORATIONS, COMPANIES AND/OR LOCAL AUTHORITIES OWNING OR HAVING A JURISDICTION OVER UTILITIES RUNNING TO, THROUGH OR ACROSS PROJECT AREAS PRIOR TO DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
- THE LOCATION, SIZE, DEPTH AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE TO THE STANDARDS AND REQUIREMENTS OF THE RESPECTIVE UTILITY COMPANY (ELECTRIC, TELEPHONE, CABLE TELEVISION, FIRE ALARM, GAS, WATER, AND SEWER).
- A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE OWNER, ENGINEER, ARCHITECT, CONTRACTOR, LOCAL OFFICIALS, AND ALL PROJECT-RELATED UTILITY COMPANIES (PUBLIC AND PRIVATE) PRIOR TO START OF CONSTRUCTION.
- ALL CONSTRUCTION SHALL CONFORM TO THE TOWN STANDARDS AND REGULATIONS, AND NHDES STANDARDS AND SPECIFICATIONS, WHICHEVER ARE MORE STRINGENT, UNLESS OTHERWISE SPECIFIED.
- ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
- BUILDING TO BE SERVICED BY UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITY STUBS PRIOR TO CONSTRUCTION AND DISCONNECT ALL EXISTING SERVICE CONNECTIONS AT THEIR RESPECTIVE MAINS IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANY'S STANDARDS AND SPECIFICATIONS. ENGINEER TO BE NOTIFIED.
- AS-BUILT PLANS SHALL BE SUBMITTED TO DEPARTMENT OF PUBLIC WORKS.
- INVERTS AND SHELVES: MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT, CONSTRUCTED TO CONFORM TO THE SIZE OF PIPE AND FLOW AT CHANGES IN DIRECTION. THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE THROUGH CHANNEL UNDERLAYMENT OF INVERT, AND SHELF SHALL CONSIST OF BRICK MASONRY.
- FRAMES AND COVERS: MANHOLE FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30 INCH DIA. CLEAR OPENING. THE WORD "SEWER" OR "DRAIN" SHALL BE CAST INTO THE CENTER OF EACH COVER WITH RAISED, 3" LETTERS.
- SHALLOW MANHOLE: IN LIEU OF A CONE SECTION, WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER MAY BE USED HAVING AN ECCENTRIC ENTRANCE OPENING AND CAPABLE OF SUPPORTING H2O LOADS.
- CONTRACTOR SHALL PLACE 2" WIDE METAL WIRE IMPREGNATED RED PLASTIC WARNING TAPE OVER ENTIRE LENGTH OF ALL GRAVITY SEWERS, SERVICES, AND FORCE MAINS.
- SANITARY SEWER FLOW CALCULATIONS:
TOTAL FLOW = 8,510 GPD*
*DAILY USAGE ASSESSED FROM WATER USAGE REPORT BY WASHVILLE.
- ALL SANITARY STRUCTURE INTERIOR DIAMETERS (4' MIN) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS.
- PROPOSED RIM ELEVATIONS OF DRAINAGE AND SANITARY MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH WITH FINISH GRADES. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, GAS GATES AND OTHER UTILITIES TO FINISH GRADE AS SHOWN ON THE GRADING AND DRAINAGE PLAN.
- ALL WATER MAINS AND SERVICE PIPES SHALL HAVE A MINIMUM 12" VERTICAL AND 24" HORIZONTAL SEPARATION TO MANHOLES, OR CONTRACTOR SHALL INSTALL BOARD INSULATION FOR FREEZING PROTECTION.
- WATER MAINS SHALL BE HYDROSTATICALLY PRESSURE TESTED FOR LEAKAGE PRIOR TO ACCEPTANCE. WATERMANS SHALL BE TESTED AT 1.5 TIMES THE WORKING PRESSURE OR 150 PSI, WHICHEVER IS GREATER. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 4 OF AWWA STANDARD C 600. WATERMANS SHALL BE DISINFECTED AFTER THE ACCEPTANCE OF THE PRESSURE AND LEAKAGE TESTS ACCORDING TO AWWA STANDARD C 651.
- ALL WATER AND SANITARY LEADS TO BUILDING(S) SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLANS AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AND WITNESS AT END.
- THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, MECHANICAL JOINTS AND FIRE HYDRANTS.
- DIMENSIONS ARE SHOWN TO CENTERLINE OF PIPE OR FITTING.
- CONTRACTOR TO FURNISH SHOP DRAWINGS FOR UTILITY RELATED ITEMS TO ENSURE CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS SHOULD BE SENT IN TRIPLICATE TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- EXISTING UTILITIES SHALL BE DIGSAFED BEFORE CONSTRUCTION.
- ALL WATER LINES SHOULD HAVE TESTABLE BACKFLOW PREVENTERS AT THE ENTRANCE TO EACH BUILDING.
- ALL GRAVITY SEWER PIPE, MANHOLES, AND FORCE MAINS SHALL BE TESTED ACCORDING TO NHDES STANDARDS OF DESIGN AND CONSTRUCTION FOR SEWAGE AND WASTEWATER TREATMENT FACILITIES, CHAPTER ENV-WQ 700. ADOPTED ON 10-19-14.
- ~~ENV-WQ 704.06 GRAVITY SEWER PIPE TESTING:~~ GRAVITY SEWERS SHALL BE TESTED FOR WATER TIGHTNESS BY USE OF LOW-PRESSURE AIR TESTS CONFORMING WITH ASTM F1417-92(2005) OR UNI-BELL PVC PIPE ASSOCIATION UNI-B-6. LINES SHALL BE CLEANED AND VISUALLY INSPECTED AND TRUE TO LINE AND GRADE. DEFLECTION TESTS SHALL TAKE PLACE AFTER 30 DAYS FOLLOWING INSTALLATION AND THE MAXIMUM ALLOWABLE DEFLECTION OF FLEXIBLE SEWER PIPE SHALL BE 5% OF AVERAGE INSIDE DIAMETER. A RIGID BALL OR MANDREL WITH A DIAMETER OF AT LEAST 95% OF THE AVERAGE INSIDE PIPE DIAMETER SHALL BE USED FOR TESTING PIPE DEFLECTION. THE DEFLECTION TEST SHALL BE CONDUCTED WITHOUT MECHANICAL PULLING DEVICES.
- ~~ENV-WQ 704.09 FORCE MAIN AND PRESSURE SEWER TESTING:~~ FORCE MAINS AND PRESSURE SEWERS SHALL BE TESTED IN ACCORDANCE WITH SECTION 5 OF HTE AWWA C600. "INSTALLATION OF CAST IRON WATER MAINS AND THEIR APPURTENANCES" STANDARD IN EFFECT WHEN THE TEST IS CONDUCTED, AVAILABLE AS NOTED IN APPENDIX D, AT A PRESSURE EQUAL TO THE GREATER OF 150 PERCENT OF THE DESIGN OPERATING DYNAMIC HEAD OR AT LEAST 100 PSI
- ~~ENV-WQ 704.17 SEWER MANHOLE TESTING:~~ SHALL BE TESTED FOR LEAKAGE USING A VACUUM TEST PRIOR TO BACKFILLING AND PLACEMENT OF SHELVES AND INVERTS.
- SANITARY SEWER LINES SHALL BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM AN EXISTING OR PROPOSED WATER LINE. WHEN A SEWER LINE CROSSES UNDER A WATER LINE, THE SEWER PIPE JOINTS SHALL BE LOCATED AT LEAST 6 FEET HORIZONTALLY FROM THE WATERMAIN. THE SEWER LINE SHALL ALSO MAINTAIN A VERTICAL SEPARATION OF NOT LESS THAN 18 INCHES.
- SEWERS SHALL BE BURIED TO A MINIMUM DEPTH OF 6 FEET BELOW GRADE IN ALL ROADWAY LOCATIONS, AND TO A MINIMUM DEPTH OF 4 FEET BELOW GRADE IN ALL CROSS-COUNTRY LOCATIONS. PROVIDE TWO-INCHES OF R-10 FOAM BOARD INSULATION 2-FOOT WIDE TO BE INSTALLED 6-INCHES OVER SEWER PIPE IN AREAS WHERE DEPTH IS NOT ACHIEVED. A WAIVER FROM THE DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER ENGINEERING BUREAU IS REQUIRED PRIOR TO INSTALLING SEWER AT LESS THAN MINIMUM COVER.
- ALL WATER AND SANITARY LEADS TO BUILDING(S) SHALL END AT RIGHT OF WAY AS SHOWN ON PLANS AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AND WITNESS AT END.
- THE CONTRACTOR SHALL MINIMIZE THE DISRUPTIONS TO THE EXISTING SEWER FLOWS AND THOSE INTERRUPTIONS SHALL BE LIMITED TO FOUR (4) HOURS OR LESS AS DESIGNATED BY THE TOWN SEWER DEPARTMENT.
- LIGHTING CONDUIT SHALL BE SCHEDULE 40 PVC, AND SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRIC CODE. CONTRACTOR SHALL PROVIDE EXCAVATION AND BACKFILL.
- ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
- DISINFECTION OF WATER MAINS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH AWWA STANDARD C651, LATEST EDITION. THE BASIC PROCEDURE TO BE FOLLOWED FOR DISINFECTING WATER MAINS IS AS FOLLOWS:
 - PREVENT CONTAMINATING MATERIALS FROM ENTERING THE WATER MAIN DURING STORAGE, CONSTRUCTION, OR REPAIR.
 - REMOVE, BY FLUSHING OR OTHER MEANS, THOSE MATERIALS THAT MAY HAVE ENTERED THE WATER MAINS.
 - CHLORINATE ANY RESIDUAL CONTAMINATION THAT MAY REMAIN, AND FLUSH THE CHLORINATED WATER MAINS.
 - PROTECT THE EXISTING DISTRIBUTION SYSTEM FROM BACKFLOW DUE TO HYDROSTATIC PRESSURE TEST AND DISINFECTION PROCEDURES.
 - DETERMINE THE BACTERIOLOGICAL QUALITY BY LABORATORY TEST AFTER DISINFECTION.
 - MAKE FINAL CONNECTION OF THE APPROVED NEW WATER MAIN TO THE ACTIVE DISTRIBUTION SYSTEM

LANDSCAPE NOTES:

- THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTINGS SHOWN ON THE DRAWINGS.
- ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL PLANT SUBSTITUTIONS MUST BE APPROVED THE LANDSCAPE DESIGNER.
- ALL PLANT MATERIALS SHALL BE EXACTLY AS SPECIFIED BY THE LANDSCAPE DESIGNER. IF PLANT SPECIES CULTIVARS ARE FOUND TO VARY FROM THAT SPECIFIED AT ANY TIME DURING THE GUARANTEE PERIOD, THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO HAVE THE CONTRACTOR REPLACE THAT PLANT MATERIAL.
- PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, UPON DELIVERY OR AT THE JOB SITE WHILE WORK IS ON-GOING FOR CONFORMITY TO SPECIFIED QUALITY, SIZE AND VARIETY.
- PLANTS FURNISHED IN CONTAINERS SHALL HAVE THE ROOTS WELL ESTABLISHED IN THE SOIL MASS AND SHALL HAVE AT LEAST ONE (1) GROWING SEASON. ROOT-BOUND PLANTS OR INADEQUATELY SIZED CONTAINERS TO SUPPORT THE PLANT MAY BE DEEMED UNACCEPTABLE.
- NO PLANT SHALL BE PUT IN THE GROUND BEFORE GRADING HAS BEEN FINISHED AND APPROVED BY THE LANDSCAPE DESIGNER.
- ALL WORK AND PLANTS SHALL BE DONE, INSTALLED AND DETAILED IN STRICT ACCORDANCE WITH PROJECT SPECIFICATIONS.
- 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.
- ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR FOR NOT LESS THAN ONE FULL YEAR FROM THE TIME OF PROVISIONAL ACCEPTANCE. DURING THIS TIME, THE OWNER SHALL MAINTAIN ALL PLANT MATERIALS IN THE ABOVE MANNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE PLANTS TO ENSURE PROPER CARE. IF THE CONTRACTOR IS DISSATISFIED WITH THE CARE GIVEN, HE SHALL IMMEDIATELY, AND IN SUFFICIENT TIME TO PERMIT THE CONDITION TO BE RECTIFIED, NOTIFY THE LANDSCAPE DESIGNER IN WRITING OR OTHERWISE FORFEIT HIS CLAIM.
- FINAL ACCEPTANCE BY THE LANDSCAPE DESIGNER WILL BE MADE UPON THE CONTRACTOR'S REQUEST AFTER ALL CORRECTIVE WORK HAS BEEN COMPLETED.
- BY THE END OF THE GUARANTEE PERIOD, THE CONTRACTOR SHALL HAVE REPLACED ANY PLANT MATERIAL THAT IS MISSING, NOT TRUE TO SIZE AS SPECIFIED, THAT HAS DIED, LOST NATURAL SHAPE DUE TO DEAD BRANCHES, EXCESSIVE PRUNING OR INADEQUATE OR IMPROPER CARE, OR THAT IS, IN THE OPINION OF THE LANDSCAPE DESIGNER, IN UNHEALTHY OR UNSIGHTLY CONDITION.
- ALL LANDSCAPE AREAS TO BE GRASS COMMON TO REGION, EXCEPT FOR INTERIOR LANDSCAPED ISLANDS OR WHERE OTHER PLANT MATERIAL IS SPECIFIED.
- ALL TREES AND SHRUBS SHALL BE PLANTED IN MULCH BEDS WITH EDGE STRIPS TO SEPARATE TURF GRASS AREAS.
- THE CONTRACTOR SHALL REMOVE WEEDS, ROCKS, CONSTRUCTION ITEMS, ETC. FROM ANY LANDSCAPE AREA SO DESIGNATED TO REMAIN, WHETHER ON OR OFF-SITE. GRASS SEED OR PINE BARK MULCH SHALL BE APPLIED AS DEPICTED ON PLANS.
- FINISHED GRADES IN LANDSCAPED ISLANDS SHALL BE INSTALLED SO THAT THEY ARE 1" HIGHER THAN THE TOP OF THE SURROUNDING CURB.
- EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY SNOW FENCING AT THE DRIPLINE OF THE TREE. THE CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS WITHIN THE LANDSCAPED AREAS. ANY DAMAGE TO EXISTING TREES, SHRUBS OR LAWN SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ALL MULCH AREAS SHALL RECEIVE A 3" LAYER OF SHREDDED PINE BARK MULCH OVER A 10 MIL WEED MAT EQUAL TO 'WEEDBLOCK' BY EASY GARDENER OR DEWITT WEED BARRIER.
- ALL LANDSCAPED AREAS SHALL HAVE SELECT MATERIALS REMOVED TO A DEPTH OF AT LEAST 9" BELOW FINISH GRADE. THE RESULTING VOID IS TO BE FILLED WITH A MINIMUM OF 9" HIGH-QUALITY SCREENED LOAM AMENDED WITH 3" OF AGED ORGANIC COMPOST.
- THE LANDSCAPING PLAN IS INTENDED FOR LANDSCAPING PURPOSES ONLY. REFER TO CIVIL/SITE DRAWINGS FOR OTHER SITE CONSTRUCTION INFORMATION.
- IRRIGATION PIPING SYSTEM SHALL BE REVIEWED AND APPROVED BY OWNER AND ENGINEER PRIOR TO INSTALLATION.
- ADDITIONAL PLANTING AND SEEDING MAY BE REQUIRED AS PART OF THE ON-SITE WETLANDS RESTORATION AND MITIGATION PACKAGE PREPARED BY WEST ENVIRONMENTAL. CONTRACTOR SHALL COORDINATE WITH PROJECT ENGINEER AND WETLAND CONSULTANT TO ENSURE THAT THESE ADDITIONAL REQUIREMENTS ARE PROPERLY ADDRESSED.

LIGHTING AND ELECTRICAL NOTES:

- SITE ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES AND DRAINAGE BEFORE DRILLING POLE BASES.
- CONTRACTOR SHALL INSTALL PROPOSED LIGHT POLES ACCORDING TO TOWN REGULATIONS.
- ALL OUTDOOR LIGHTING SYSTEMS SHALL BE EQUIPPED WITH TIMERS TO REDUCE ILLUMINATION LEVELS TO NON-OPERATIONAL VALUES PER TOWN REGULATIONS.
 - THE SITE IS TO BE DARK SKY COMPLIANT, AND LIGHTING IS TO BE ON A TIMER AFTER 9PM FOR SECURITY FEATURES ONLY.
- LIGHTING CONDUIT SHALL BE SCHEDULE 40 PVC, AND SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE. CONTRACTOR SHALL PROVIDE EXCAVATION AND BACKFILL.
- ILLUMINATION READINGS SHOWN ARE BASED ON A TOTAL LLF OF 0.75 AT GRADE. ILLUMINATION READINGS SHOWN ARE IN UNITS OF FOOT-CANDLES.
- LIGHTING CALCULATIONS SHOWN ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM AND SAFETY.
- ALL LIGHTING FIXTURES SHALL BE FULL CUT-OFF DARK-SKY COMPLIANT, UNLESS OTHERWISE NOTED.
- SEE SHEET L1 FOR LIGHTING DETAILS.
- EXTEND A 480/277V, 3" DIAMETER SERVICE TO ROAD SIGN. INSTALL A 30A 3P NEMA 3R DISC. SWITCH (EACH LEG FUSED @ 20A). SIGN REQUIRES (3) 20A 277V CIRCUITS.
- THE PROPOSED LIGHTING CALCULATIONS AND DESIGN WAS PERFORMED BY CHARRON, INC., P.O. BOX 4550, MANCHESTER, NH 03108, ATTENTION MICHAEL O'BRIEN. ALL LIGHTS SHOULD BE PURCHASED FROM THIS COMPANY, OR AN EQUAL LIGHTING DESIGN SHOULD BE SUBMITTED FOR REVIEW IF EQUAL SUBSTITUTIONS ARE PROPOSED BY THE CONTRACTOR OR OWNER.

MISCELLANEOUS NOTES:

- THE APPLICANT SHALL BE RESPONSIBLE FOR COORDINATING A BOND OR ESCROW WITH THE TOWN ENGINEER FOLLOWING PLAN APPROVAL AND PRIOR TO THE START OF CONSTRUCTION

APPROVED BY THE HUDSON, NH PLANNING BOARD

DATE OF MEETING: _____

SIGNATURE DATE: _____

SIGNATURE DATE: _____

SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

Design: GAP	Draft: GDR	Date: 3/23/26
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03/24/2026

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Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885
 P.O. Box 219
 Civil Engineering Services
 603-772-4746
 E-MAIL: JBE@JONESANDBEACH.COM

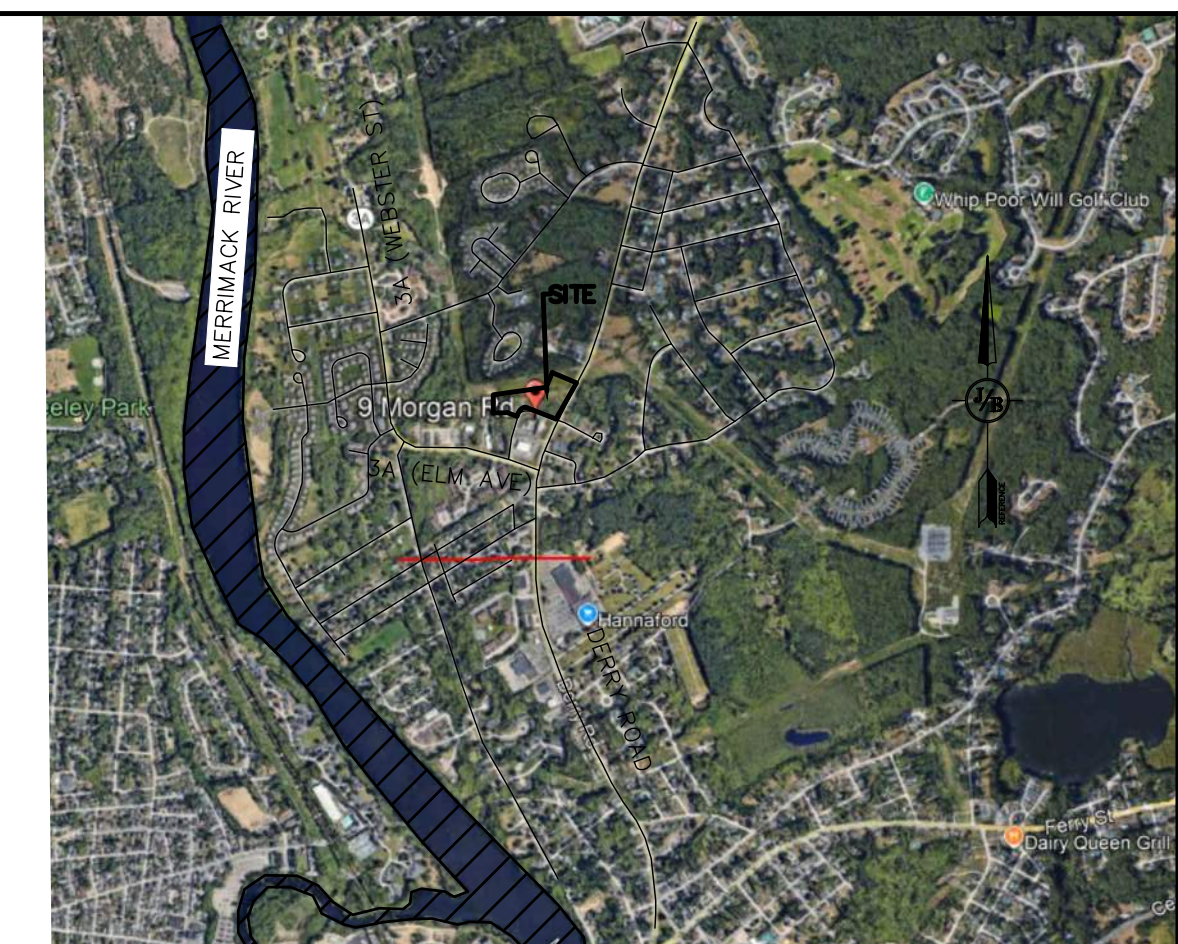
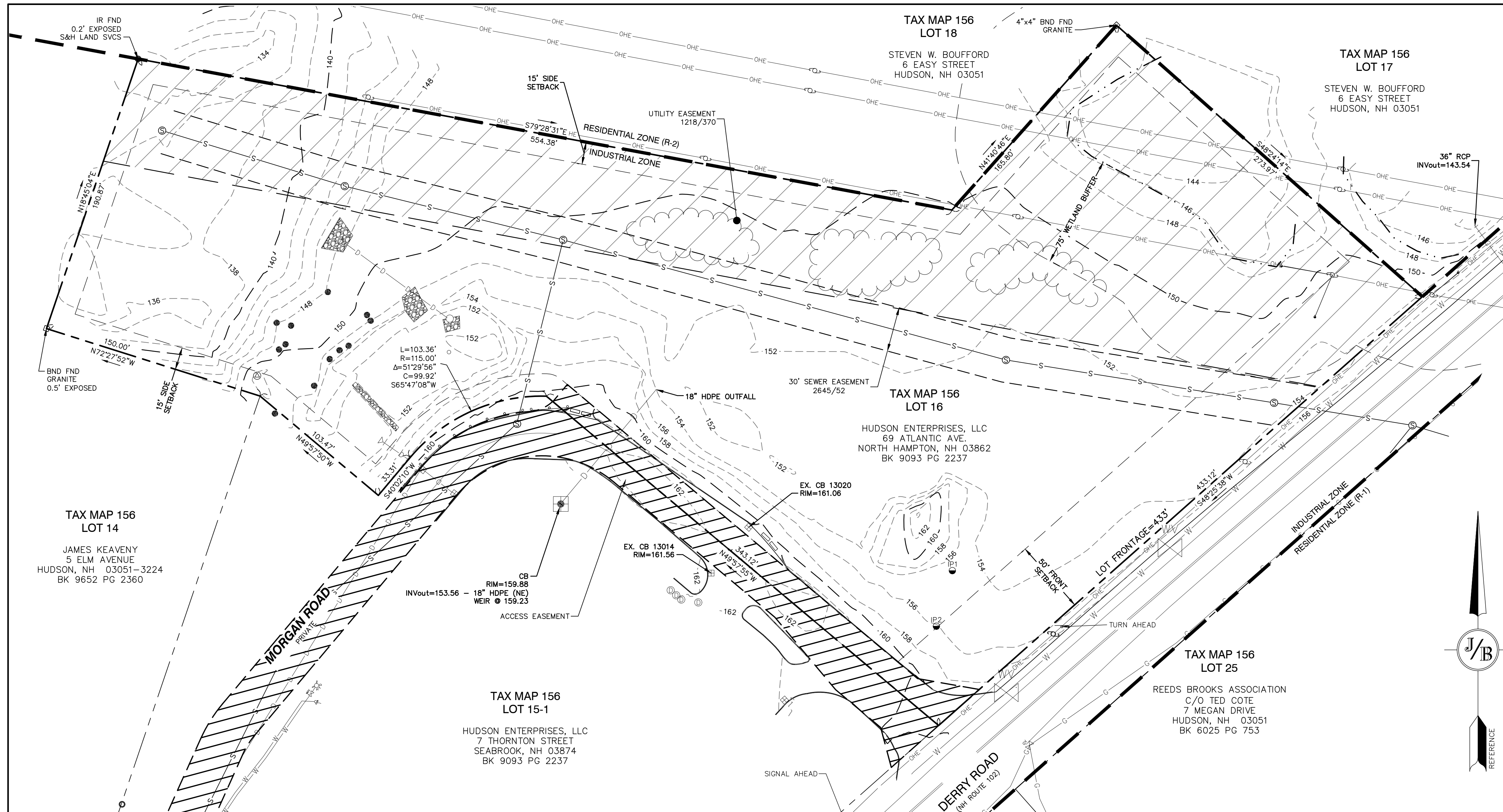
Plan Name:	GENERAL NOTES SHEET
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

PROJECT PARCEL TOWN OF HUDSON TAX MAP 156, LOT 16
APPLICANT GR DEVELOPMENT 7 BENEDICT PLACE GREENWICH, CT 06830
TOTAL LOT AREA 212,372 SQ. FT. 4.88 ACRES

DRAWING No.

G1

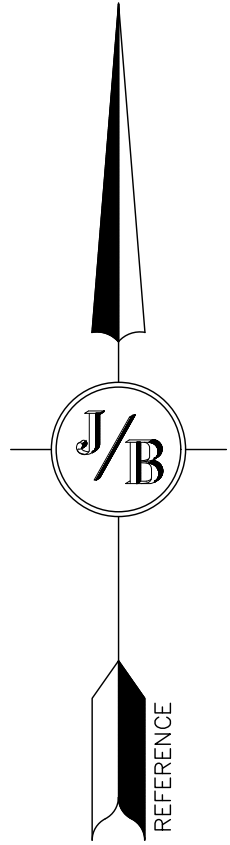
SHEET 2 OF 21
JBE PROJECT NO. 25082



LOCUS
SCALE: 1"=2000'

NOTES:

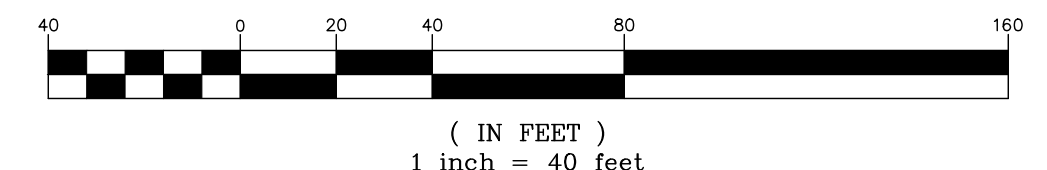
- THE INTENT OF THIS PLAN IS TO SHOW THE BOUNDARY AND EXISTING CONDITIONS OF HUDSON TAX MAP 156 LOT 16.
- ZONING DISTRICT:
LOT AREA MINIMUM:
30,000 SF (WITH TOWN WATER AND SEWER)
43,560 SF (WITHOUT TOWN WATER AND SEWER)
LOT FRONTAGE MINIMUM = 150'
BUILDING SETBACKS (MINIMUM):
FRONT SETBACK = 50'
SIDE SETBACK = 15'
REAR SETBACK = 15'
WETLAND SETBACK = 75'
MAX. BUILDING HEIGHT = 38'
MAX. LOT COVERAGE = 35%
SEALED SURFACE PROPOSED = 20%
- THE UTILITY LOCATIONS SHOWN HEREON WERE DETERMINED BY OBSERVED ABOVE GROUND EVIDENCE AND SHOULD BE CONSIDERED APPROXIMATE IN LOCATION ONLY. LOCATION, DEPTH, SIZE, TYPE, EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES AND/OR UNDERGROUND STORAGE TANKS WAS NOT VERIFIED BY THIS SURVEY. ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK OR CALL DIG-SAFE AT 1-888-DIG-SAFE.
- THE SUBJECT PARCEL IS NOT LOCATED WITHIN AN AREA HAVING A SPECIAL FLOOD HAZARD ZONE DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), AS SHOWN ON FLOOD INSURANCE RATE MAP NOS. 33011C0514E WITH EFFECTIVE DATE OF APRIL 18, 2011, AND 33011C05102I WITH EFFECTIVE DATE OF SEPTEMBER 25, 2009.
- BASIS OF BEARING: HORIZONTAL - MAGNETIC PER PLAN REFERENCE HCRD 39726, VERTICAL - NGVD29.
- CERTAIN DATA HEREON MAY VARY FROM RECORDED DATA DUE TO DIFFERENCES IN DECLINATION, ORIENTATION, AND METHODS OF MEASUREMENT.
- ALL BOOK AND PAGE NUMBERS REFER TO THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS.
- THE TAX MAP AND LOT NUMBERS ARE BASED ON THE TOWN OF HUDSON TAX RECORDS AND ARE SUBJECT TO CHANGE.
- RESEARCH WAS PERFORMED AT THE TOWN OF HUDSON ASSESSOR'S OFFICE AND THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS.
- THIS SURVEY IS NOT A CERTIFICATION TO OWNERSHIP OR TITLE OF LANDS SHOWN. OWNERSHIP AND ENCUMBRANCES ARE MATTERS OF TITLE EXAMINATION NOT OF A BOUNDARY SURVEY. THE INTENT OF THIS PLAN IS TO RETRACE THE BOUNDARY LINES OF DEEDS REFERENCED HEREON. OWNERSHIP OF ADJOINING PROPERTIES IS ACCORDING TO ASSESSOR'S RECORDS. THIS PLAN MAY OR MAY NOT INDICATE ALL ENCUMBRANCES EXPRESSED, IMPLIED OR PRESCRIPTIVE.
- ANY USE OF THIS PLAN AND OR ACCOMPANYING DESCRIPTIONS SHOULD BE DONE WITH LEGAL COUNSEL, TO BE CERTAIN THAT TITLES ARE CLEAR, THAT INFORMATION IS CURRENT, AND THAT ANY NECESSARY CERTIFICATES ARE IN PLACE FOR A PARTICULAR CONVEYANCE, OR OTHER USES.
- THE LIMITS OF JURISDICTIONAL WETLANDS WERE DELINEATED BY SEAN MORIARTY UNDER THE DIRECT SUPERVISION OF JAMES GOVE NH CWS #51 IN JULY, 2025 IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:
A. THE CORPS OF ENGINEERS FEDERAL MANUAL FOR IDENTIFYING AND DELINEATING JURISDICTIONAL WETLANDS.
B. THE NORTH CENTRAL & NORTHEAST REGIONAL SUPPLEMENT TO THE FEDERAL MANUAL.
C. THE CURRENT VERSION OF THE FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, AS PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION AND/OR THE CURRENT VERSION OF THE FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, AS PUBLISHED BY THE USDA, NRCS, AS APPROPRIATE.
D. THE CURRENT NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS, AS PUBLISHED BY THE US FISH AND WILDLIFE SERVICE.
- SURVEY TIE LINES SHOWN HEREON ARE NOT BOUNDARY LINES. THEY SHOULD ONLY BE USED TO LOCATE THE PARCEL SURVEYED FROM THE FOUND MONUMENTS SHOWN AND LOCATED BY THIS SURVEY.



LEGEND

- PROPERTY LINE
- - - ABUTTER PROPERTY LINE
- - - BUILDING SETBACK
- - - WETLANDS
- - - OVERHEAD ELECTRIC LINES
- - - EDGE OF PAVEMENT
- - - 100 - MAJOR CONTOUR
- - - 102 - MINOR CONTOUR
- - - DRAIN LINE
- - - CATCH BASIN
- - - DRAIN MANHOLE
- - - WATER LINE
- - - HYDRANT
- - - WATER SHUTOFF
- - - WATER GATE VALVE
- - - SEWER LINE
- - - SEWER MANHOLE
- - - UTILITY POLE
- - - GUY WIRE ANCHOR
- - - GAS LINE
- - - GAS GATE VALVE
- - - GAS METER
- - - RIGHT OF WAY
- - - MONITORING WELL
- - - BENCHMARK

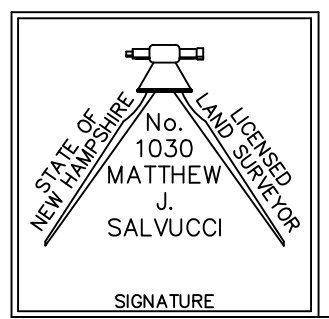
GRAPHIC SCALE



PROJECT PARCEL TOWN OF HUDSON TAX MAP 156, LOT 16
APPLICANT/OWNER GR DEVELOPMENT 7 BENEDICT PLACE GREENWICH, CT 06830
TOTAL LOT AREA 212,372 SQ. FT. 4.88 ACRES

CERTIFICATION:

PURSUANT TO RSA 676:18-III AND RSA 672:14
I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.
I CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN UNADJUSTED LINEAR ERROR OF CLOSURE THAT EXCEED BOTH THE MINIMUM OF 1:10,000 AS DEFINED IN SECTION 503.04 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES AND THE MINIMUM OF 1:15,000 AS DEFINED IN SECTION 4.2 OF THE N.H.L.S.A. ETHICS AND STANDARDS.
THIS SURVEY CONFORMS TO A CATEGORY 1 CONDITION 1 SURVEY AS DEFINED IN SECTION 4.1 OF THE N.H.L.S.A. ETHICS AND STANDARDS.



MATTHEW J. SALVUCCI, LLS 1030 **DATE:**
ON BEHALF OF JONES & BEACH ENGINEERS, INC.

APPROVED BY THE HUDSON, NH PLANNING BOARD
DATE OF MEETING: _____
SIGNATURE DATE: _____
SIGNATURE DATE: _____
SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING
FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE
AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

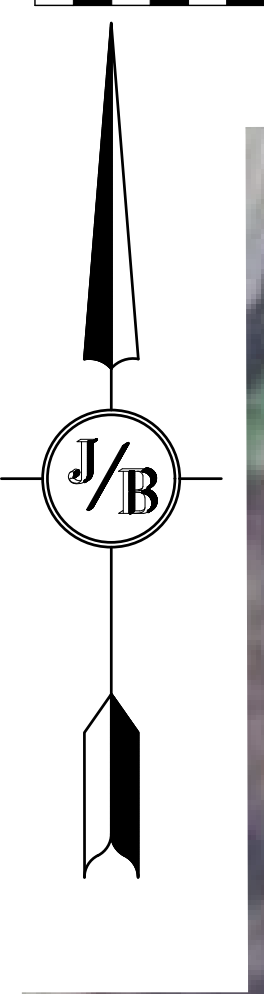
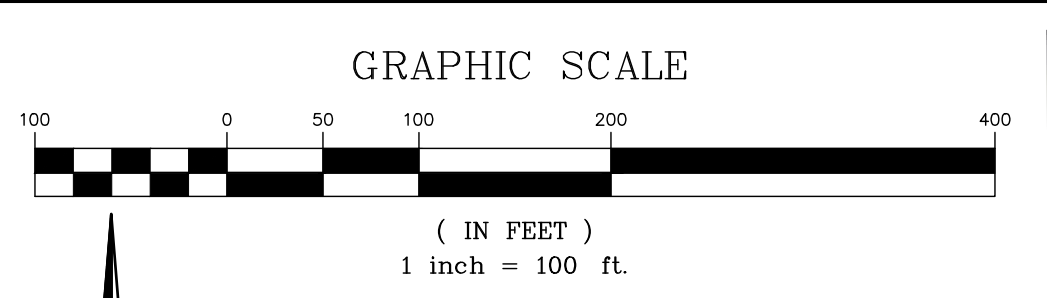
Design: GAP	Draft: GDR	Date: 8/28/2025
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.		

REV.	DATE	REVISION	BY
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
1	10/10/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
0	8/28/25	ISSUED FOR REVIEW	EMP

Designed and Produced in NH
J/B Jones & Beach Engineers, Inc.
85 Portsmouth Ave. Civil Engineering Services 603-772-4746
PO Box 219 Stratham, NH 03885 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	EXISTING CONDITIONS PLAN
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.
C1
SHEET 3 OF 21
JBE PROJECT NO. 25082



LOCUS SCALE: 1"=1000'



APPROVED BY THE HUDSON, NH PLANNING BOARD
 DATE OF MEETING: _____
 SIGNATURE DATE: _____
 SIGNATURE DATE: _____

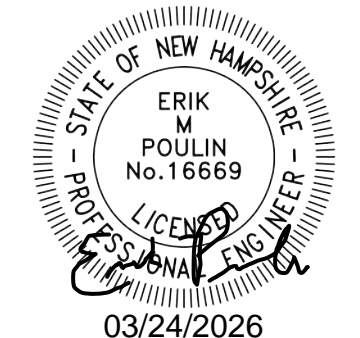
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PROJECT PARCEL
 TOWN OF HUDSON
 TAX MAP 156, LOT 16

APPLICANT
 GR DEVELOPMENT
 7 BENEDICT PLACE
 GREENWICH, CT 06830

TOTAL LOT AREA
 212,372 SQ. FT.
 4.88 ACRES

Design: GAP	Draft: GDR	Date: 3/23/26
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		
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REV.	DATE	REVISION	BY
6	03/23/26	MINOR REVISIONS PER INTERNAL REVIEW	GAP
5	02/10/26	REVISED PER NHDES AOT COMMENTS	GAP
4	01/26/26	REVISED PER NHFG COMMENTS	EMP
3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP

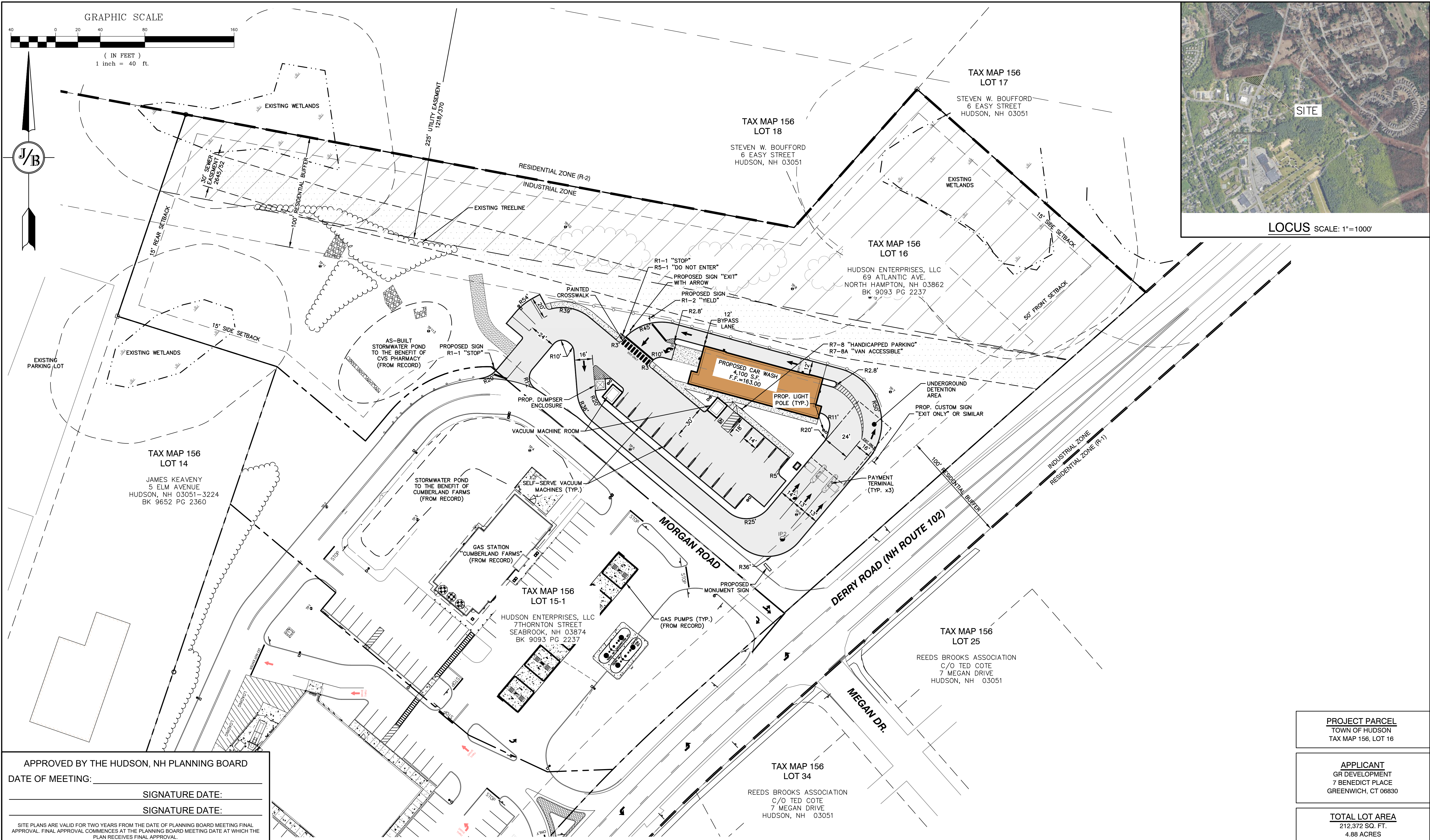
Designed and Produced in NH

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 PO Box 219
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 603-772-4746
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	AERIAL OVERALL SITE PLAN MAP 156, LOT 16
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.
C2-O
 SHEET 4 OF 21
 JBE PROJECT NO. 25082

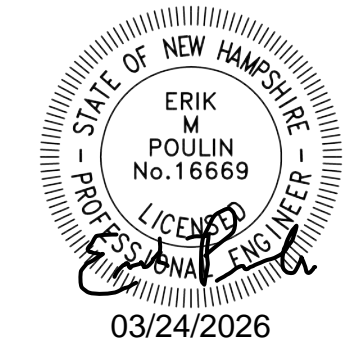


APPROVED BY THE HUDSON, NH PLANNING BOARD
 DATE OF MEETING: _____
 SIGNATURE DATE: _____
 SIGNATURE DATE: _____

SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

PROJECT PARCEL TOWN OF HUDSON TAX MAP 156, LOT 16
APPLICANT GR DEVELOPMENT 7 BENEDICT PLACE GREENWICH, CT 06830
TOTAL LOT AREA 212,372 SQ. FT. 4.88 ACRES

Design: GAP	Draft: GDR	Date: 3/23/26
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		
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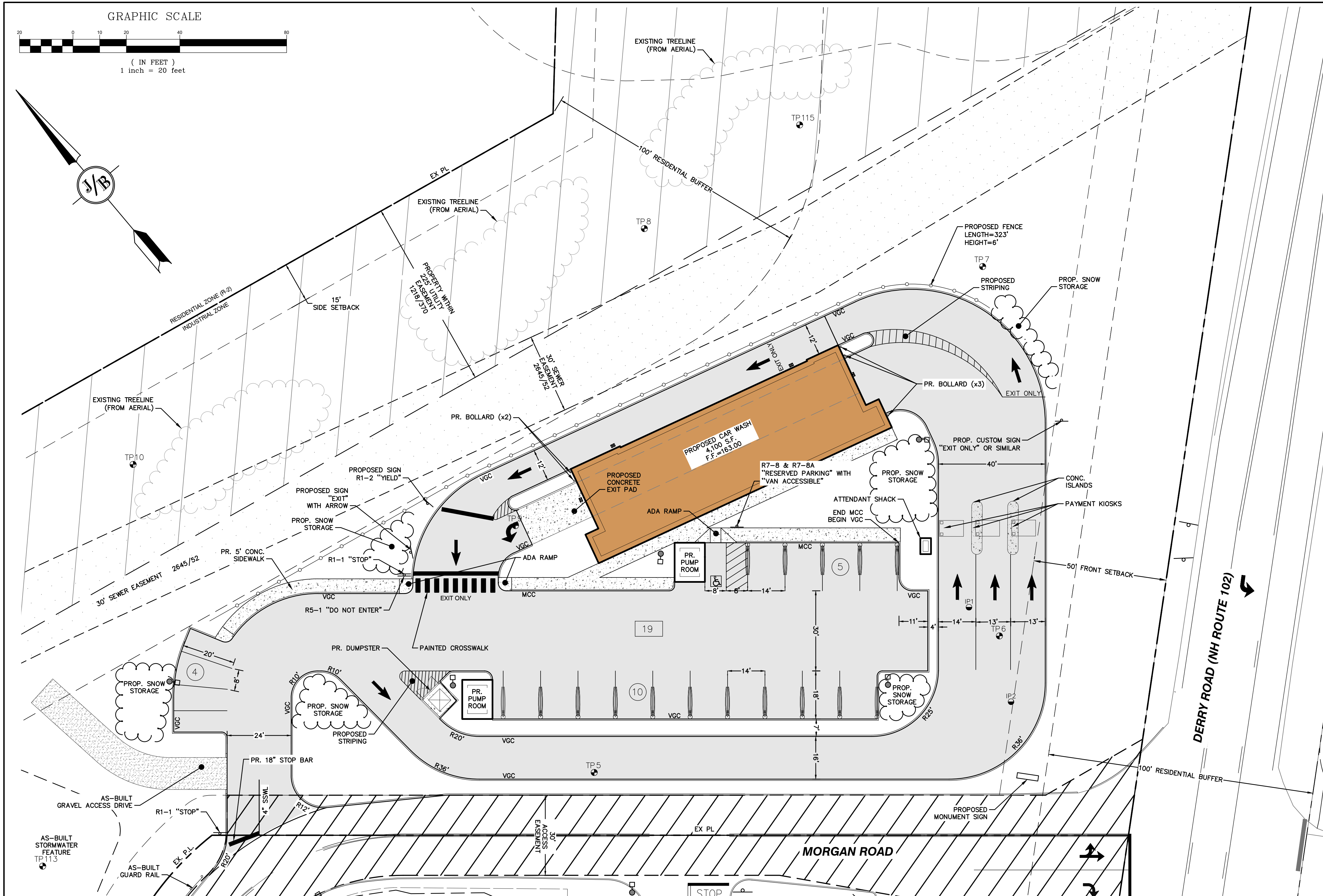
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3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
REV.	DATE	REVISION	BY

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 85 Portsmouth Ave. Stratham, NH 03885
 603-772-4746
 E-MAIL: JBE@JONESANDBEACH.COM

Designed and Produced in NH

Plan Name:	OVERALL SITE PLAN MAP 156, LOT 16
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.
C2
 SHEET 5 OF 21
 JBE PROJECT NO. 25082



- SITE NOTES:**
- THE INTENT OF THIS PLAN IS TO SHOW A NEW CARWASH FACILITY, WITH ASSOCIATED PARKING AND CUSTOMER SELF-SERVICE VACUUM MACHINES.
 - ZONING DISTRICT: INDUSTRIAL
 LOT AREA MINIMUM:
 30,000 SF (WITH TOWN WATER & SEWER)
 43,860 SF (WITHOUT TOWN WATER/ & SEWER)
 LOT FRONTAGE MINIMUM = 150'
 BUILDING SETBACKS (MINIMUM):
 FRONT SETBACK = 50'
 SIDE SETBACK = 15'
 REAR SETBACK = 15'
 WETLAND SETBACK = 75'
 MAX. BUILDING HEIGHT = 38'
 MAX. SEALED SURFACE = 35%
 SEALED SURFACE PROPOSED = 16.7%
 - PARKING CALCULATIONS:
 INDUSTRIAL: LARGER OF:
 1 SPACE PER 600 S.F. OF GROSS FLOOR SPACE.
 OR
 0.75 SPACES PER EMPLOYEE OF THE COMBINED TWO LARGEST SUCCESSIVE SHIFTS.
 4,100 S.F. / 600 = 7 SPACES REQUIRED
 19 SPACES PROVIDED
 - TOTAL BUILDING FOOTPRINT = 4,104± S.F.
 TOTAL PAVED AREA = 35,510 S.F.
 TOTAL DISTURBANCE = 67,690 S.F.
 - NHDES ALTERATION OF TERRAIN PERMIT NO. _____ DATED _____
 - THIS PLAN SET HAS BEEN PREPARED BY JONES & BEACH ENGINEERS, INC., FOR MUNICIPAL AND STATE APPROVALS AND FOR CONSTRUCTION BASED ON DATA OBTAINED FROM ON-SITE FIELD SURVEY AND EXISTING MUNICIPAL RECORDS. THROUGHOUT THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY FIELD DISCREPANCY FROM DATA AS SHOWN ON THE DESIGN PLANS, INCLUDING ANY UNFORESEEN CONDITIONS, SUBSURFACE OR OTHERWISE, FOR EVALUATION AND RECOMMENDATIONS. ANY CONTRADICTION BETWEEN ITEMS ON THIS PLAN/PLAN SET, OR BETWEEN THE PLANS AND ON-SITE CONDITIONS, MUST BE RESOLVED BEFORE RELATED CONSTRUCTION HAS BEEN INITIATED. CONTRACTOR TO ALWAYS CONTACT DIG SAFE PRIOR TO DIGGING ONSITE OR OFFSITE TO ENSURE SAFETY AND OBEY THE LAW.
 - ALL CONSTRUCTION SHALL CONFORM TO TOWN STANDARDS AND REGULATIONS, AND NHDOT STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION, WHICHEVER IS MORE STRINGENT.
 - SUBJECT PROPERTY IS NOT LOCATED WITHIN AN AREA HAVING A SPECIAL FLOOD HAZARD ZONE DESIGNATION BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), AS SHOWN ON FLOOD INSURANCE RATE MAP NOS. 33011C0514E WITH EFFECTIVE DATE OF APRIL 18, 2011, AND 33011C0512D WITH EFFECTIVE DATE SEPTEMBER 25, 2009.
 - LANDOWNERS ARE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING PERMITTING REQUIRED UNDER THESE REGULATIONS.
 - ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (S.W.P.P.P.). THIS DOCUMENT IS TO BE KEPT ONSITE AT ALL TIMES AND UPDATED AS REQUIRED.
 - PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER, ARCHITECT AND/OR OWNER, IN ORDER TO OBTAIN AND/OR PAY ALL THE NECESSARY LOCAL PERMITS, FEES AND BONDS.
 - ALL SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND NHDOT STANDARDS AND SPECIFICATIONS (NON-REFLECTORIZED PAVEMENT MARKINGS), UNLESS OTHERWISE NOTED.
 - ALL PARKING STALLS SHALL BE SEPARATED USING 4" WIDE SOLID STRIPES. STRIPING SHALL HAVE TWO COATS OF PAINT, ALKYD BASIN SYNTHETIC RESIN, FEDERAL SPECIFICATION TT-P-115, TYPE 1 IN A COLOR OF WHITE, UNLESS OTHERWISE SPECIFIED. ALL STOP BARS SHALL BE 18" IN WIDTH IN A COLOR OF WHITE; ALL TRAFFIC ARROWS SHALL BE PAINTED IN A COLOR OF WHITE. (ALL PAINT TO BE APPLIED AT A WET FILM THICKNESS OF 381µm/0.015 INCH)
 - ALL STOP BARS SHALL BE 18" IN WIDTH IN A COLOR OF WHITE; ALL TRAFFIC ARROWS SHALL BE PAINTED IN A COLOR OF WHITE.
 - ALL CURBING TO BE VERTICAL GRANITE WITH A MINIMUM RADIUS OF 2', UNLESS OTHERWISE NOTED.
 - ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE ARCHITECTURAL AND STRUCTURAL PLANS PROVIDED BY THE OWNER. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND OWNER PRIOR TO THE START OF CONSTRUCTION. BUILDING DIMENSIONS AND AREAS TO BE TO OUTSIDE OF MASONRY, UNLESS OTHERWISE NOTED.
 - SNOW TO BE STORED AT EDGE OF PAVEMENT AND IN AREAS SHOWN ON THE PLANS, OR TRUCKED OFFSITE TO AN APPROVED SNOW DUMPING LOCATION.
 - ROOF TOP HEATING AND AIR CONDITIONING UNITS (RTU'S) SHALL BE DESIGNED TO VENT UPWARDS AND AIR INTAKES SHALL BE DIRECTED AWAY FROM ADJACENT NEIGHBORS.
 - DUMPSTERS AND/OR ROLL-OFFS ARE NOT TO BE PICKED UP BETWEEN 7:00 PM AND 7:00 AM.
 - ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS.
 - ALL PRECAST CONCRETE PRODUCTS WILL BE SOURCED FROM MANUFACTURING FACILITIES IN COMPLIANCE WITH THE NATIONAL PRECAST CONCRETE ASSOCIATION (NPCA) PLANT CERTIFICATION PROGRAM. EVIDENCE OF COMPLIANCE WILL BE PROVIDED FOR THE CURRENT CALENDAR YEAR THE PRODUCTS WERE MANUFACTURED WITHIN.
 - ALL SIGNS ARE SUBJECT TO APPROVAL BY THE HUDSON PLANNING BOARD PRIOR TO INSTALLATION THEREOF.
 - HOURS OF OPERATION ARE TO BE 7:30AM - 7:00PM MONDAY THROUGH SATURDAY, AND 8AM - 5PM ON SUNDAY.

APPROVED BY THE HUDSON, NH PLANNING BOARD
 DATE OF MEETING: _____
 SIGNATURE DATE: _____
 SIGNATURE DATE: _____

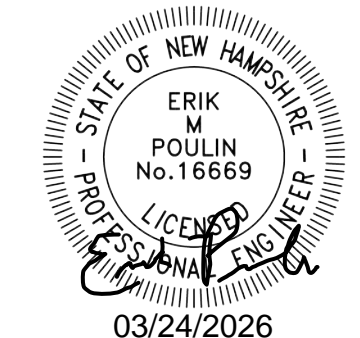
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PROJECT PARCEL
 TOWN OF HUDSON
 TAX MAP 156, LOT 16

APPLICANT
 GR DEVELOPMENT
 7 BENEDICT PLACE
 GREENWICH, CT 06830

TOTAL LOT AREA
 212,372 SQ. FT.
 4.88 ACRES

Design: GAP	Draft: GDR	Date: 3/23/26
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		
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REV.	DATE	REVISION	BY
6	03/23/26	MINOR REVISIONS PER INTERNAL REVIEW	GAP
5	02/10/26	REVISED PER NHDES AOT COMMENTS	GAP
4	01/26/26	REVISED PER NHFG COMMENTS	EMP
3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
REV.	DATE	REVISION	BY

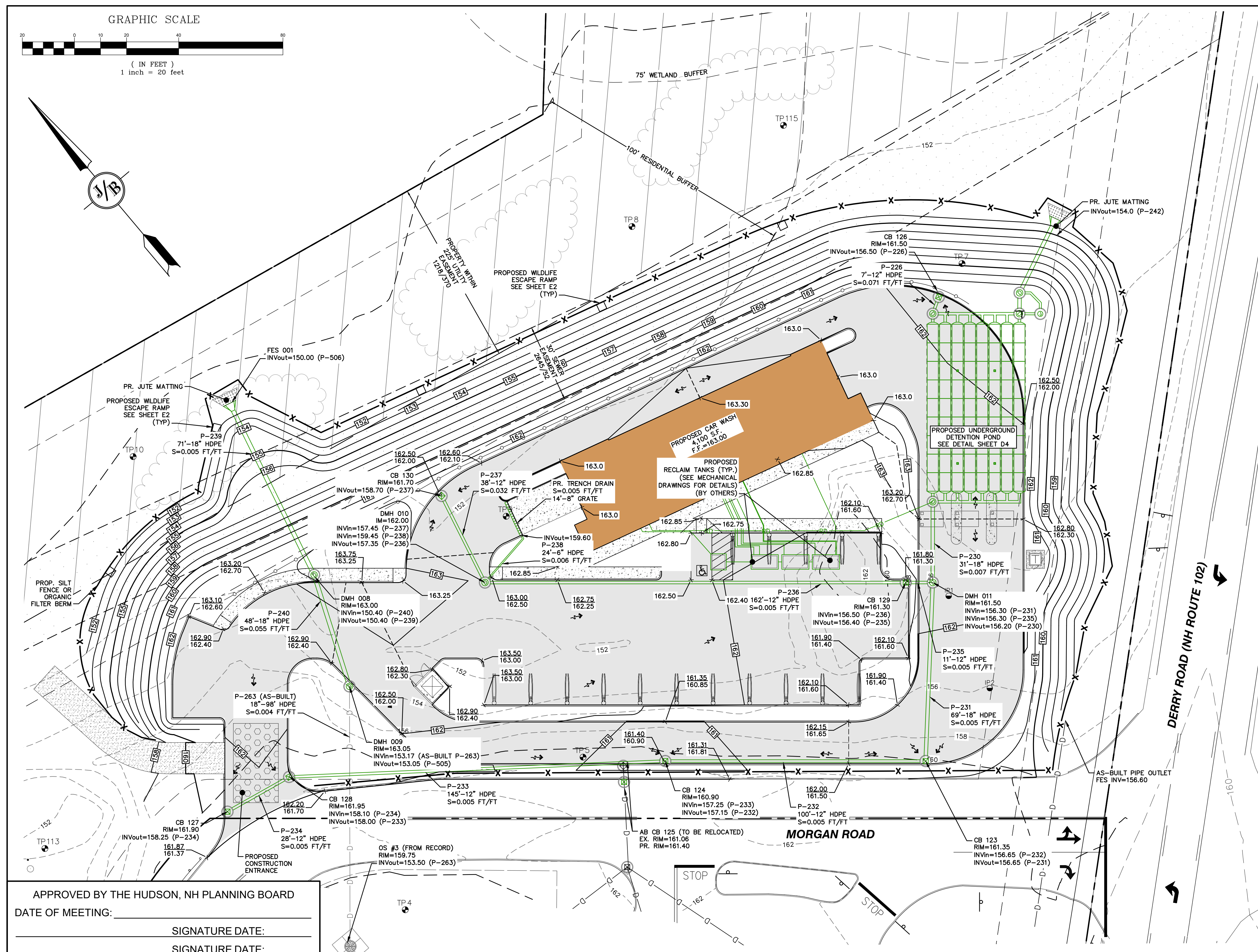
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 Civil Engineering Services
 603-772-4746
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Plan Name:	SITE PLAN MAP 156, LOT 16
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.
C2.1
 SHEET 6 OF 21
 JBE PROJECT NO. 25082



- GRADING AND DRAINAGE NOTES:**
- UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM FIELD OBSERVATION AND THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. NEITHER JONES & BEACH ENGINEERS, INC., NOR ANY OF THEIR EMPLOYEES TAKE RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES AND/OR UTILITIES NOT SHOWN THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND STRUCTURES AND/OR UTILITIES LOCATED PRIOR TO EXCAVATION WORK BY CALLING 888-DIG-SAFE (888-344-7233).
 - VERTICAL DATUM: NGVD29. HORIZONTAL DATUM: MAGNETIC 2015.
 - ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
 - SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. SEE CONSTRUCTION SEQUENCE ON SHEET E1.
 - PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO HAVE THE PROJECT'S LAND SURVEYOR STAKE OR FLAG CLEARING LIMITS. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED.
 - ALL ROOF DRAINS FROM BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AND WITNESS AT THE END. ALL EXTERIOR ROOF DOWNSPOUTS ARE TO BE INSTALLED WITH OVERFLOW DEVICES.
 - ALL SWALES AND DETENTION PONDS ARE TO BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
 - PROPOSED RIM ELEVATIONS OF DRAINAGE STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH WITH FINISH GRADES.
 - ALL SWALES AND ANY SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S75 EROSION CONTROL BLANKETS (OR AN EQUIVALENT APPROVED IN WRITING BY THE ENGINEER), UNLESS OTHERWISE SPECIFIED.
 - ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4" MIN) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS. CATCH BASINS SHALL HAVE 3' DEEP SUMPS WITH GREASE HOODS, UNLESS OTHERWISE NOTED.
 - ALL DRAINAGE STRUCTURES SHALL BE PRECAST, UNLESS OTHERWISE SPECIFIED. SEE DETAIL SHEETS FOR DRAINAGE STRUCTURE SCHEDULE AND DRAINAGE DETAILS.
 - ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC H2O LOADING AND SHALL BE INSTALLED ACCORDINGLY.
 - IMMEDIATELY APPLY AND COMPACT STONE BASE FOR BUILDING PAD TO +/- 1/2" PRIOR TO EXCAVATING INTERIOR AND PERIMETER FOOTINGS.
 - IN AREAS WHERE CONSTRUCTION IS PROPOSED ADJACENT TO ABUTTING PROPERTIES, THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING ALONG PROPERTY LINES IN ALL AREAS WHERE SILT FENCING IS NOT REQUIRED.
 - ALL DRAINAGE PIPE SHALL BE NON-PERFORATED ADS N-12 OR APPROVED EQUAL.
 - STONE INLET PROTECTION SHALL BE PLACED AT ALL CATCH BASINS. SEE DETAIL WITHIN THE DETAIL SHEETS.
 - LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY ALL GOVERNING AUTHORITIES. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE EPA SWPPP DURING CONSTRUCTION OPERATIONS.
 - ALL EXPOSED AREAS SHALL BE SEEDDED AS SPECIFIED WITHIN 3 DAYS OF FINAL GRADING AND ANYTIME CONSTRUCTION STOPS FOR LONGER THAN 3 DAYS.
 - MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN EVENT OF 0.5" OR GREATER IN A 24 HOUR PERIOD AND AT LEAST ONCE A WEEK.
 - THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE, AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
 - CONSTRUCTION VEHICLES SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE TO THE EXTENT POSSIBLE THROUGHOUT CONSTRUCTION.
 - IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
 - SEDIMENT SHALL BE REMOVED FROM ALL SEDIMENT BASINS BEFORE THEY ARE 25% FULL.
 - ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED, IF DEEMED NECESSARY BY ON-SITE INSPECTION BY ENGINEER AND/OR REGULATORY OFFICIALS.
 - SEE ALSO EROSION AND SEDIMENT CONTROL SPECIFICATIONS ON SHEET E1 & E2.
 - THE CONTRACTOR SHALL NOT IMPORT ANY FILL OVER TEN CUBIC YARDS PER SOURCE WITHOUT SOILS TESTING VERIFYING THE ABSENCE OF CONSTITUENTS OF CONCERN.
 - INSTALL INLET PROTECTION AT ALL CATCH BASINS AS THEY ARE CONSTRUCTED IN ACCORDANCE WITH DETAILS.

APPROVED BY THE HUDSON, NH PLANNING BOARD
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 SIGNATURE DATE: _____
 SIGNATURE DATE: _____

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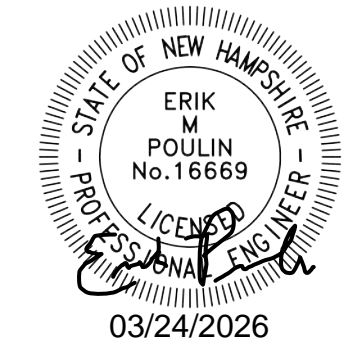
PROJECT PARCEL
 TOWN OF HUDSON
 TAX MAP 156, LOT 16

APPLICANT
 GR DEVELOPMENT
 7 BENEDICT PLACE
 GREENWICH, CT 06830

TOTAL LOT AREA
 212,372 SQ. FT.
 4.88 ACRES

Design: GAP Draft: GDR Date: 3/23/26
 Checked: EMP Scale: AS NOTED Project No.: 25082
 Drawing Name: 25082-PLAN.dwg

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3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
REV.	DATE	REVISION	BY

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885
 PO Box 219
 Civil Engineering Services
 603-772-4746
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **GRADING AND DRAINAGE PLAN**

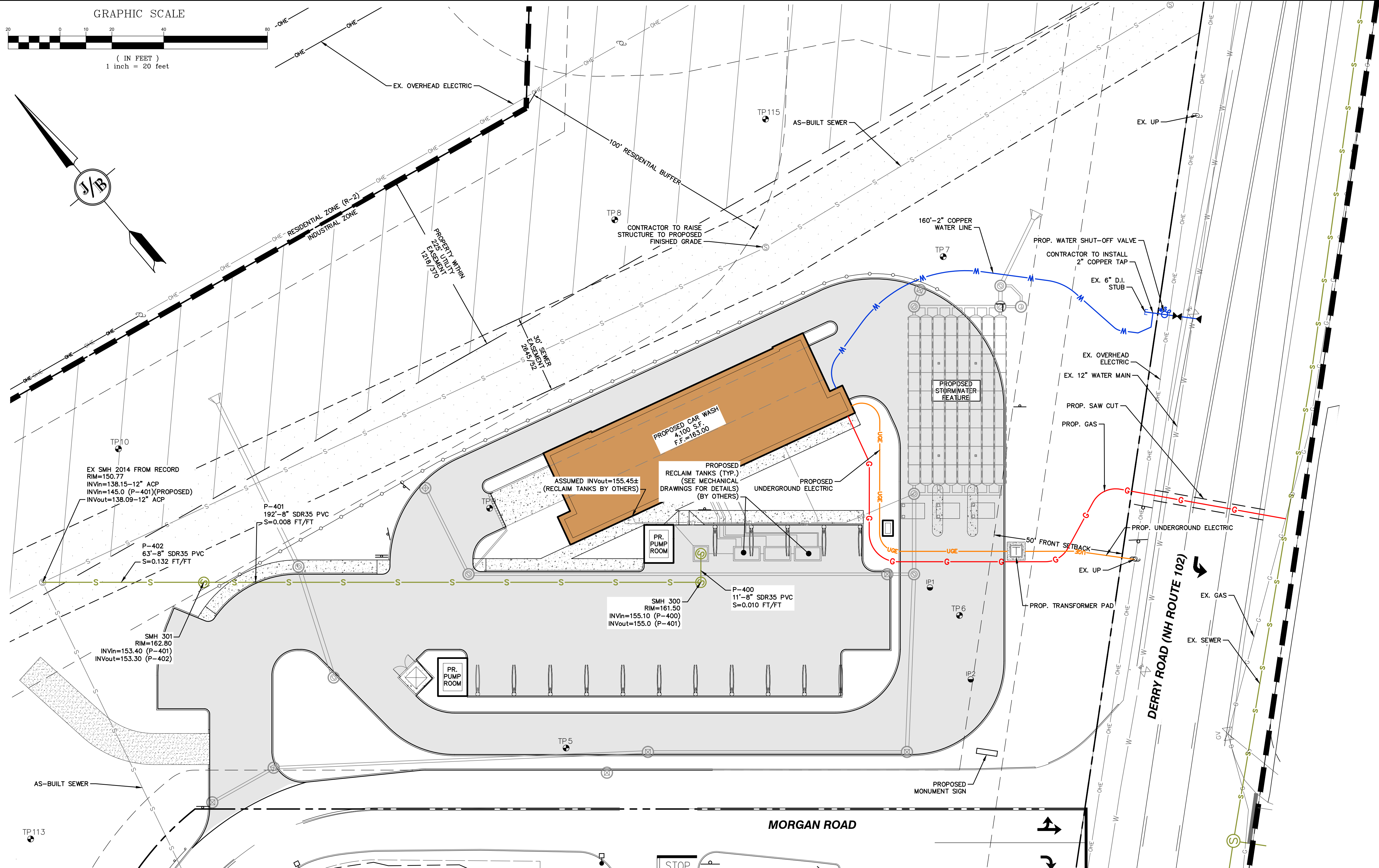
Project: **WASHVILLE CAR WASH
 9 MORGAN RD, HUDSON, NH**

Owner of Record: **HUDSON ENTERPRISES, LLC
 69 ATLANTIC AVE, NORTH HAMPTON, NH**

DRAWING No. **C3**

SHEET 7 OF 21
 JBE PROJECT NO. 25082

SEE SHEET G1 FOR NOTES



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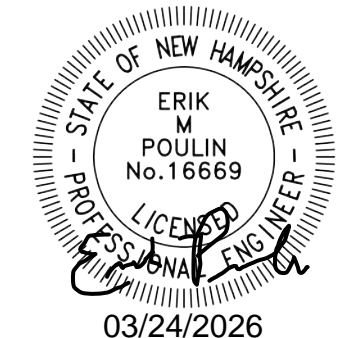
PROJECT PARCEL
 TOWN OF HUDSON
 TAX MAP 156, LOT 16

APPLICANT
 GR DEVELOPMENT
 7 BENEDICT PLACE
 GREENWICH, CT 06830

TOTAL LOT AREA
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 4.88 ACRES

Design: GAP Draft: GDR Date: 3/23/26
 Checked: EMP Scale: AS NOTED Project No.: 25082
 Drawing Name: 25082-PLAN.dwg

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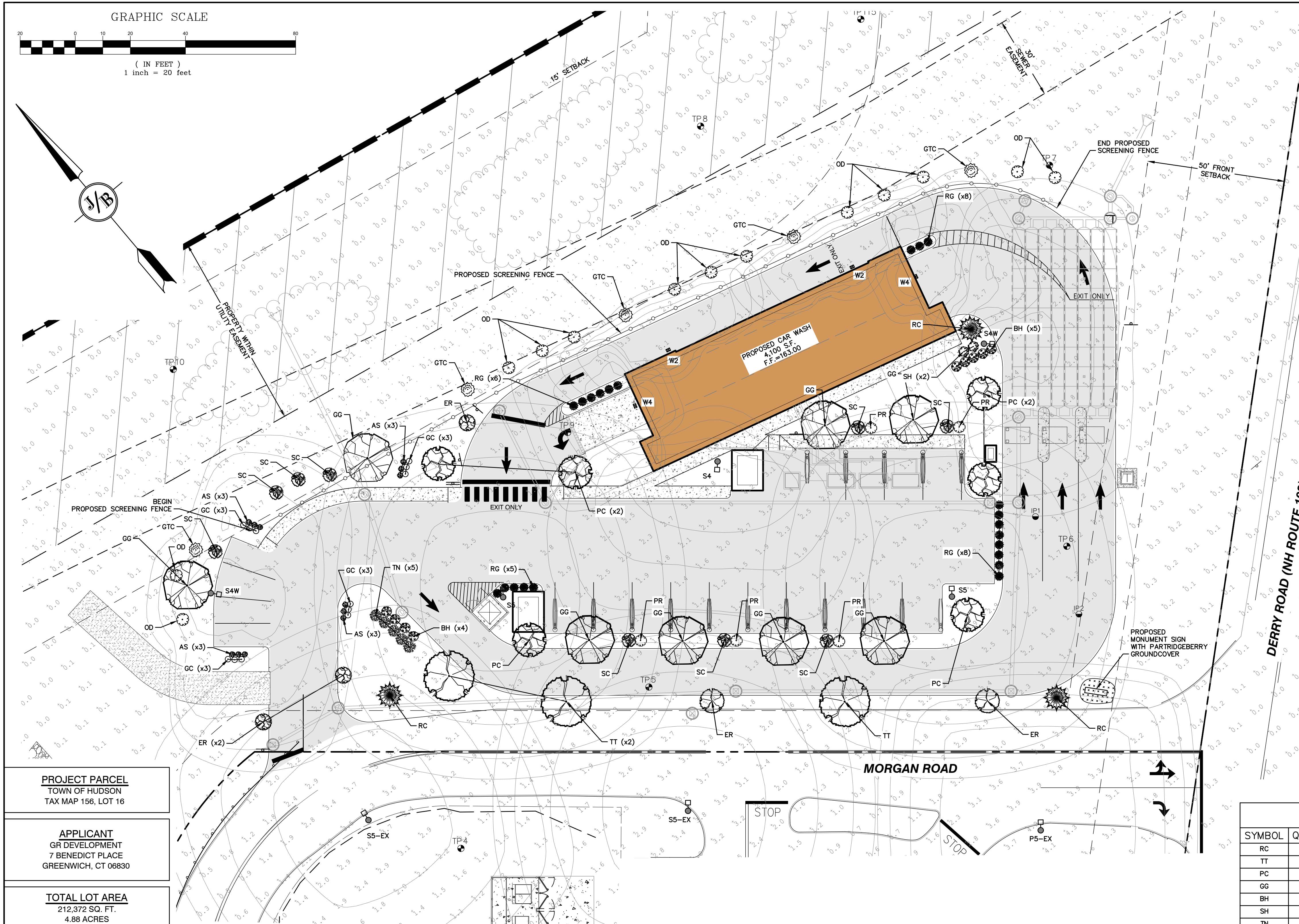
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J/B Jones & Beach Engineers, Inc.
 Civil Engineering Services

85 Portsmouth Ave. PO Box 219 Stratham, NH 03885
 603-772-4746
 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **UTILITY PLAN**
 Project: **WASHVILLE CAR WASH
 9 MORGAN RD, HUDSON, NH**
 Owner of Record: **HUDSON ENTERPRISES, LLC
 69 ATLANTIC AVE, NORTH HAMPTON, NH**

DRAWING No. **C4**
 SHEET 8 OF 21
 JBE PROJECT NO. 25082



McGraw-Edison
GWC Gallon Wall
Wall Mount Luminaire

Product Features

- Ordering Information
- Product Specifications
- Optical Configurations
- Energy and Performance Data
- Control Options

Product Certifications

Quick Facts

- Luminaire package range from 3.205 - 102.790 (DIN - 5380)
- Downward and upward self-rotating configurations
- Eight luminaire packages from 3.215 up to 17.056
- Efficiency up to 154 lumens per watt

Connected Systems

- Wireless PIR Wireless
- Wireless PIR Wireless
- Wireless LITE Wireless
- Wireless LITE Wireless

Dimensional Details

COOPER

McGraw-Edison
GALN Gallon II
Area / Site Luminaire

Product Features

- Ordering Information
- Mounting Details
- Optical Configurations
- Product Specifications
- Energy and Performance Data
- Control Options

Product Certifications

Quick Facts

- Luminaire package range from 3.205 - 102.790 (DIN - 5380)
- Downward and upward self-rotating configurations
- Eight luminaire packages from 3.215 up to 17.056
- Efficiency up to 154 lumens per watt

Connected Systems

- Wireless LITE Wireless
- Wireless PIR Wireless
- Wireless LITE Wireless
- Wireless LITE Wireless

Dimensional Details

COOPER

valmont
STRUCTURES
DS330
Fatigue Resistant
Soft Square Steel Post

SPECIFICATIONS

Pole Shaft - This pole shaft is fabricated from hot rolled welded steel of one-piece construction with a minimum yield strength of 58 KSI.

Flare Base - A reinforced pole cap is provided for pole mounting using patterns for aluminum's universal arm assemblies. For the most luminaire output located around the flaring. Contact the luminaire manufacturer for the correct base size or call pattern. Other pole top options include pole cap only (PC) and pole cap (PC) which is equal when the pole top diameter matches the luminaire's base diameter.

Hardware - A reinforced hardware with grounding provision is provided at 1" intervals from the base end of the pole shaft. Each hardware includes an eye-bolt for lifting and mounting. Heavy duty hardware covers are available upon request.

Anchor Bolt - Anchor bolts conform to ASTM A307. Grade 55 and are provided with two hot nuts and two flat washers. Bolt size are 1" and are used on one end and are galvanized a minimum of 12" on the threaded end.

Hardware - All structural hardware are galvanized high strength carbon steel. All non-structural hardware are galvanized or zinc-plated. Hardware used on luminaire base.

Flare - Standard finishes are either Galvalume (GAL) or Finish Painted (FP). Additional finish options including Finish Paint over Galvalume (FP/GAL) or one of the (FP/GAL) Finish Coat Systems are available upon request. See Design Details - Please reference Design Criteria Specification for appropriate design conditions.

COOPER

PROJECT PARCEL
TOWN OF HUDSON
TAX MAP 156, LOT 16

APPLICANT
GR DEVELOPMENT
7 BENEDICT PLACE
GREENWICH, CT 06830

TOTAL LOT AREA
212,372 SQ. FT.
4.88 ACRES

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Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens
●-□	1	P5-EX	Single	EXISTING COOPER: GLEON-AE-04-LED-E1-5WQ	MTD 20' AFG	0.900	25803
●-□	1	S4	Single	COOPER: GALN-SA3A-740-U-SL4-CXX	MTD 20' AFG ON 20' VALMONT POLE: DS330-400Q200-D1-FP-COOPER CXX-FBC-AB	0.900	13363
●-□	2	S4W	Single	COOPER: GALN-SA2B-740-U-T4W-CXX	MTD 20' AFG ON 20' VALMONT POLE: DS330-400Q200-D1-FP-COOPER CXX-FBC-AB	0.900	11451
●-□	2	S5	Single	COOPER: GALN-SA3D-740-U-5WQ-CXX	MTD 20' AFG ON 20' VALMONT POLE: DS330-400Q200-D1-FP-COOPER CXX-FBC-AB	0.900	24170
●-□	2	S5-EX	Single	EXISTING COOPER: GLEON-AE-04-LED-E1-5WQ	MTD 20' AFG	0.900	25871
■	2	W2	Single	COOPER: GWC-SA1A-740-U-SL2-CXX	WALL MTD 10' AFG	0.900	4874
■	2	W4	Single	COOPER: GWC-SA1A-740-U-T4FT-CXX	WALL MTD 10' AFG	0.900	5008

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
RC	3	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6-7" B&B
TT	7	LIRIODENDRON TULIPIFERA	TULIP TREE	3.5" CALIPER B&B
PC	6	MALUS x 'PRAIRIFIRE'	PRAIRIFIRE CRABAPPLE	2.5" CALIPER B&B
GG	8	NYSSA SYLVATICA 'GREEN GABLES'	GREEN GABLES TUPELO	2.5" CALIPER B&B
BH	9	HYDRANGEA PANICULATA 'BOBO'	BOBO PANICLE HYDRANGEA	3 GALLON
SH	2	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERY HOLLY	5 GALLON
TN	5	PHYSOCARPUS OPULIFOLIUS 'SMNPOTW'	TINY WINE NINEBARK	3 GALLON
PR	5	RHODODENDRON 'PJM'	PJM RHODODENDRON	5 GALLON
SC	9	SYRINGA VULGARIS 'SENSATION'	SENSATION COMMON LILAC	5 GALLON
RG	22	PANICUM VIRGATUM 'ROTSTRAHLBUSCH'	ROTSTRAHLBUSCH SWITCH GRASS	2 GALLON
GC	12	RUDEBECKIA FULGIDA VAR. 'GOLDSTRUM'	GOLDSTURN CONEFLOWER	1 GALLON
AS	12	SEDUM 'AUTUM JOY'	AUTUM JOY SEDUM	1 GALLON
GTC	5	CHAMAECYPARIS PISIFERA 'MOP'	MOP GOLD THREAD CYPRUS	5 GALLON
OD	13	CORNUS STOLONIFERA	RED OSIER DOGWOOD	5 GALLON
ER	4	CERCIS CANADENSIS	EASTERN REDBUD	1.5" - 2.5" CALIPER

Design: GAP	Draft: GDR	Date: 3/23/26
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		
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Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885

Civil Engineering Services

603-772-4746

E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **LANDSCAPE AND LIGHTING PLAN**

Project: **WASHVILLE CAR WASH
9 MORGAN RD, HUDSON, NH**

Owner of Record: **HUDSON ENTERPRISES, LLC
69 ATLANTIC AVE, NORTH HAMPTON, NH**

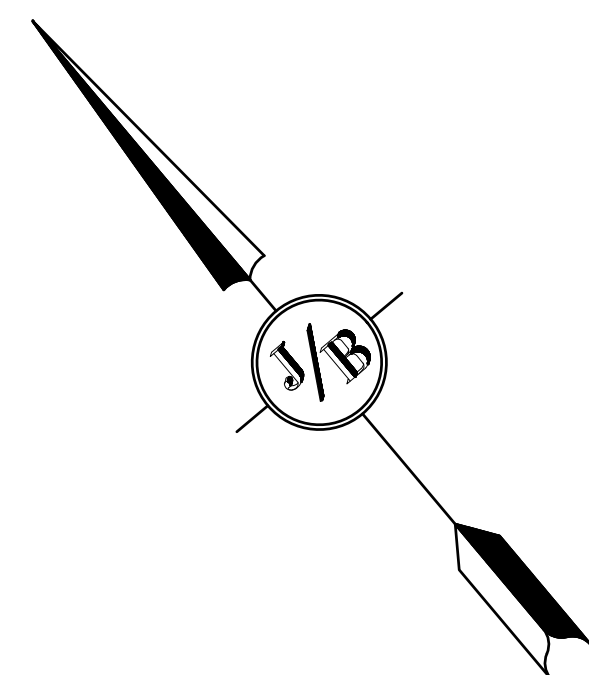
DRAWING No.

L1

SHEET 9 OF 21

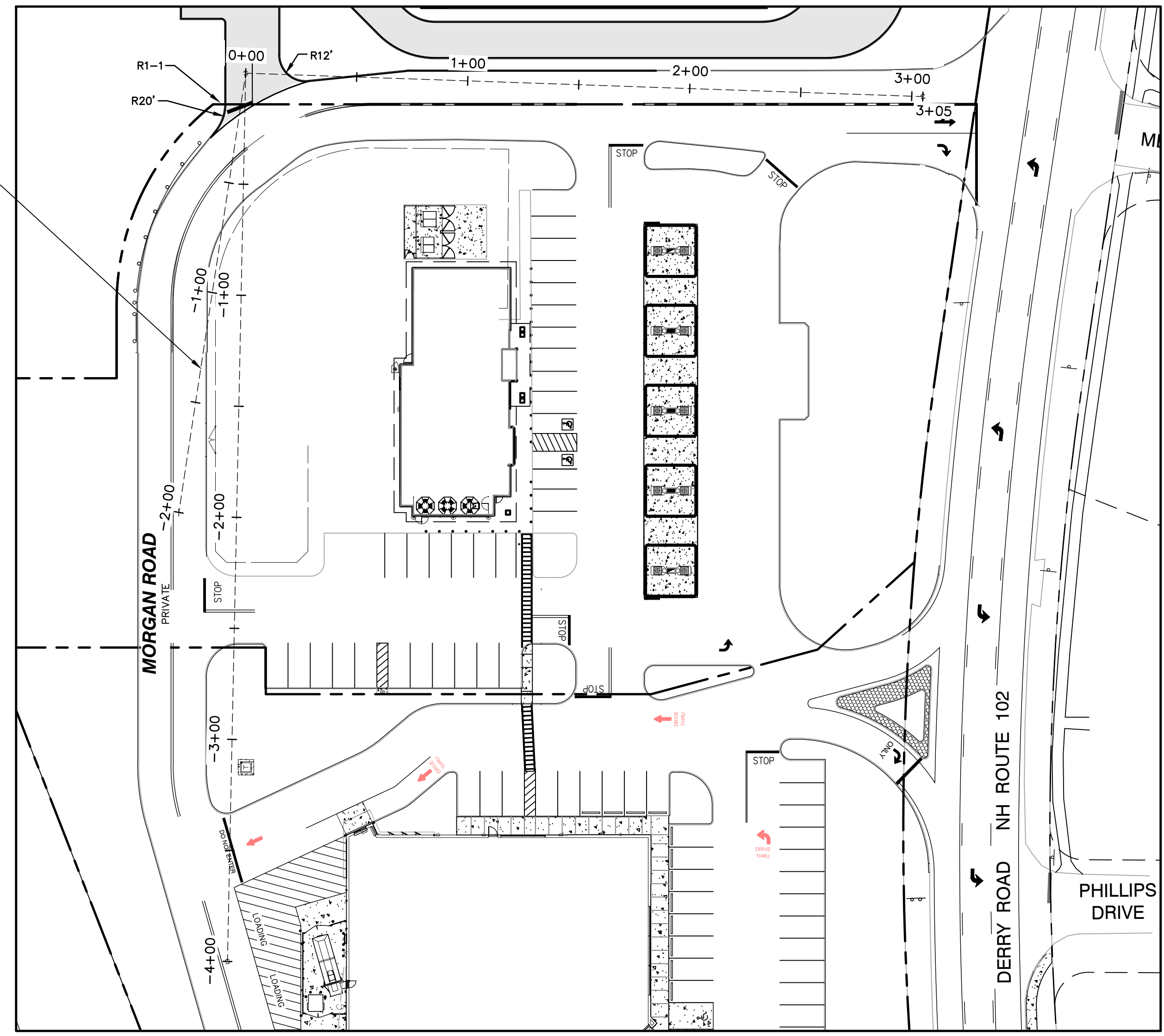
JBE PROJECT NO. 25082

SEE SHEET G1 FOR NOTES

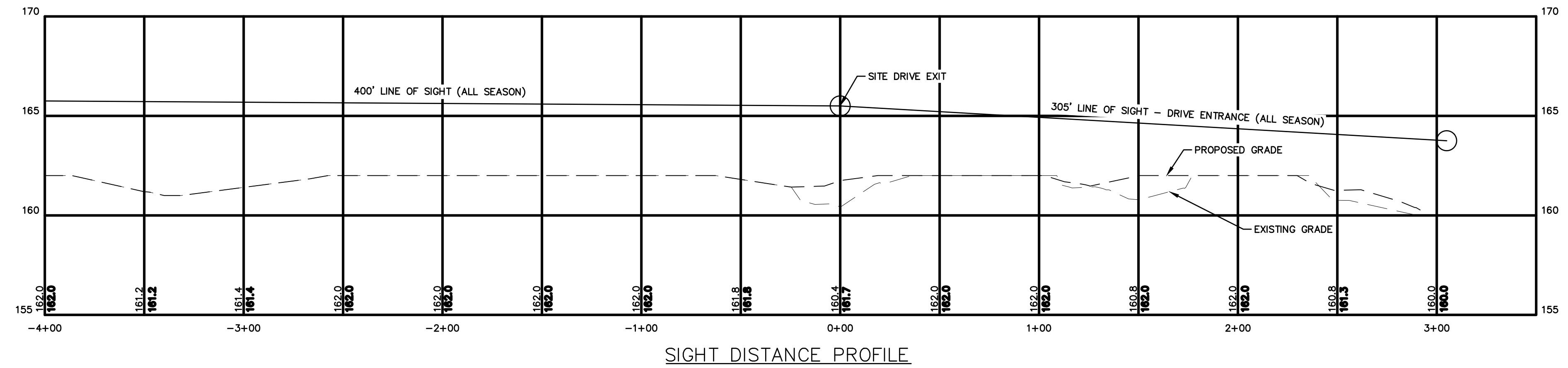
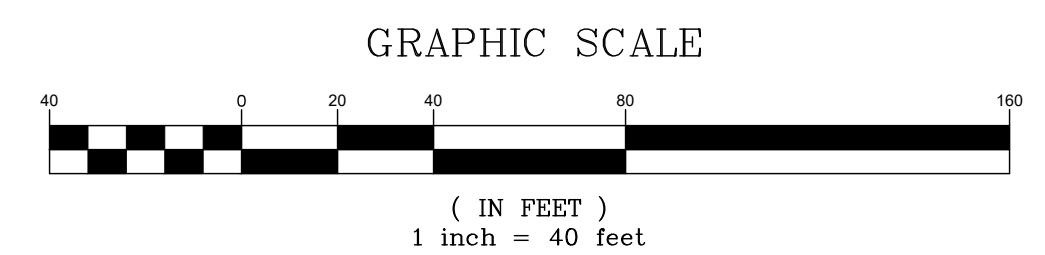


200' CLEAR SITE DISTANCE LINE (FREE OF OBSTRUCTION)

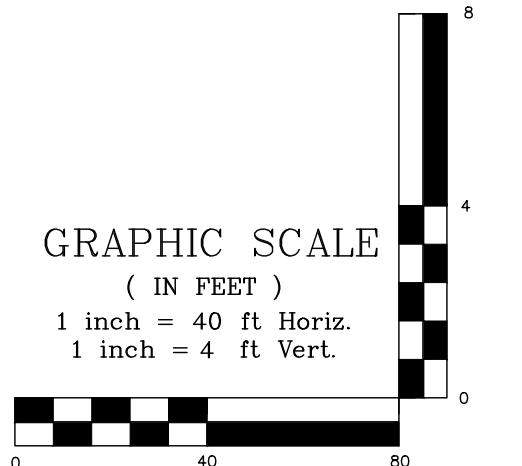
TRAFFIC CONTROL SCHEDULE						
NUMBER	SIGN	SIZE OF SIGN WIDTH HEIGHT	DESCRIPTION	MOUNT TYPE	MOUNT HEIGHT	REMARKS
R1-1		30" 30"	WHITE ON RED	CHANNEL	7'-0"	REFLECTORIZED SIGN



PLAN



SIGHT DISTANCE PROFILE



PROJECT PARCEL
TOWN OF HUDSON
TAX MAP 156, LOT 16

APPLICANT
GR DEVELOPMENT
7 BENEDICT PLACE
GREENWICH, CT 06830

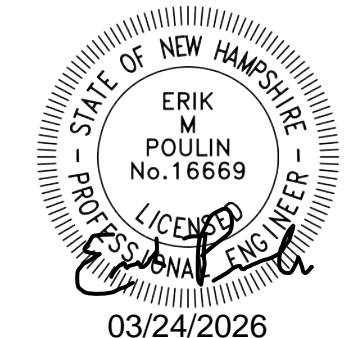
TOTAL LOT AREA
212,372 SQ. FT.
4.88 ACRES

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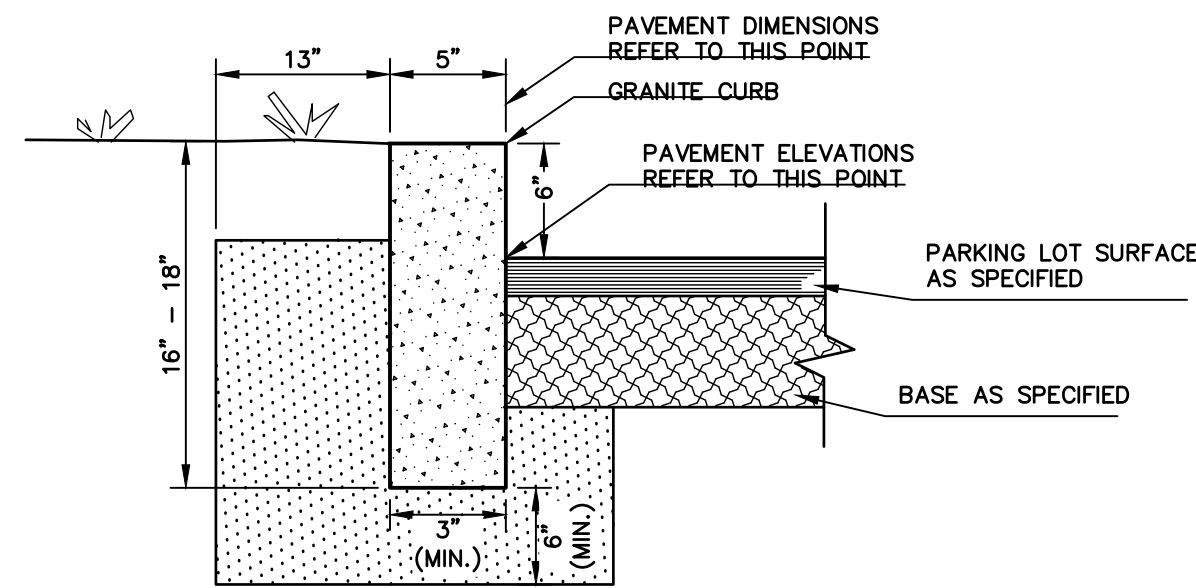
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J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Civil Engineering Services 603-772-4746
PO Box 219
Stratham, NH 03885 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	SIGHT DISTANCE PROFILE
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.
SD1
SHEET 10 OF 21
JBE PROJECT NO. 25082

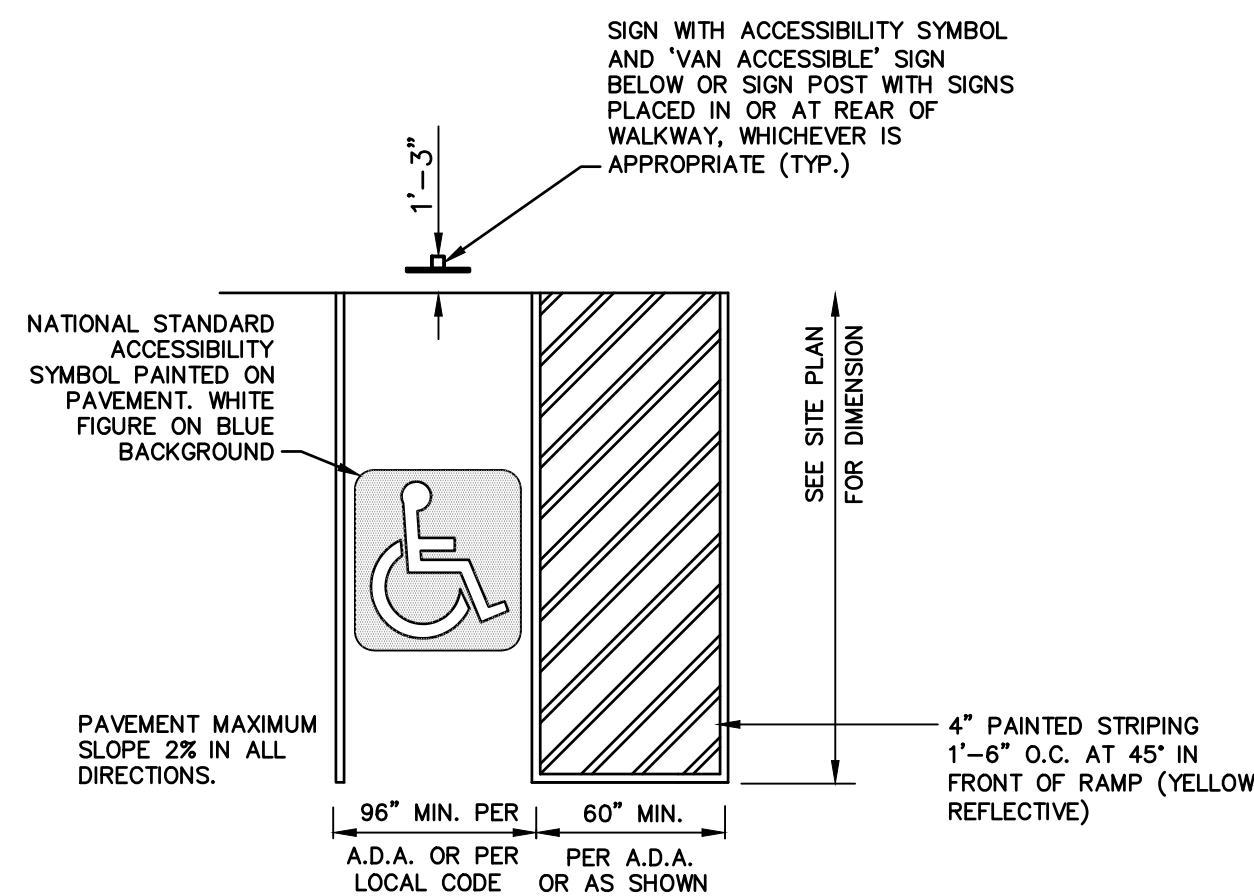


NOTES:

1. EDGING TO BE PLACED PRIOR TO PLACING TOP SURFACE COURSE.
2. JOINTS BETWEEN STONES SHALL BE MORTARED.

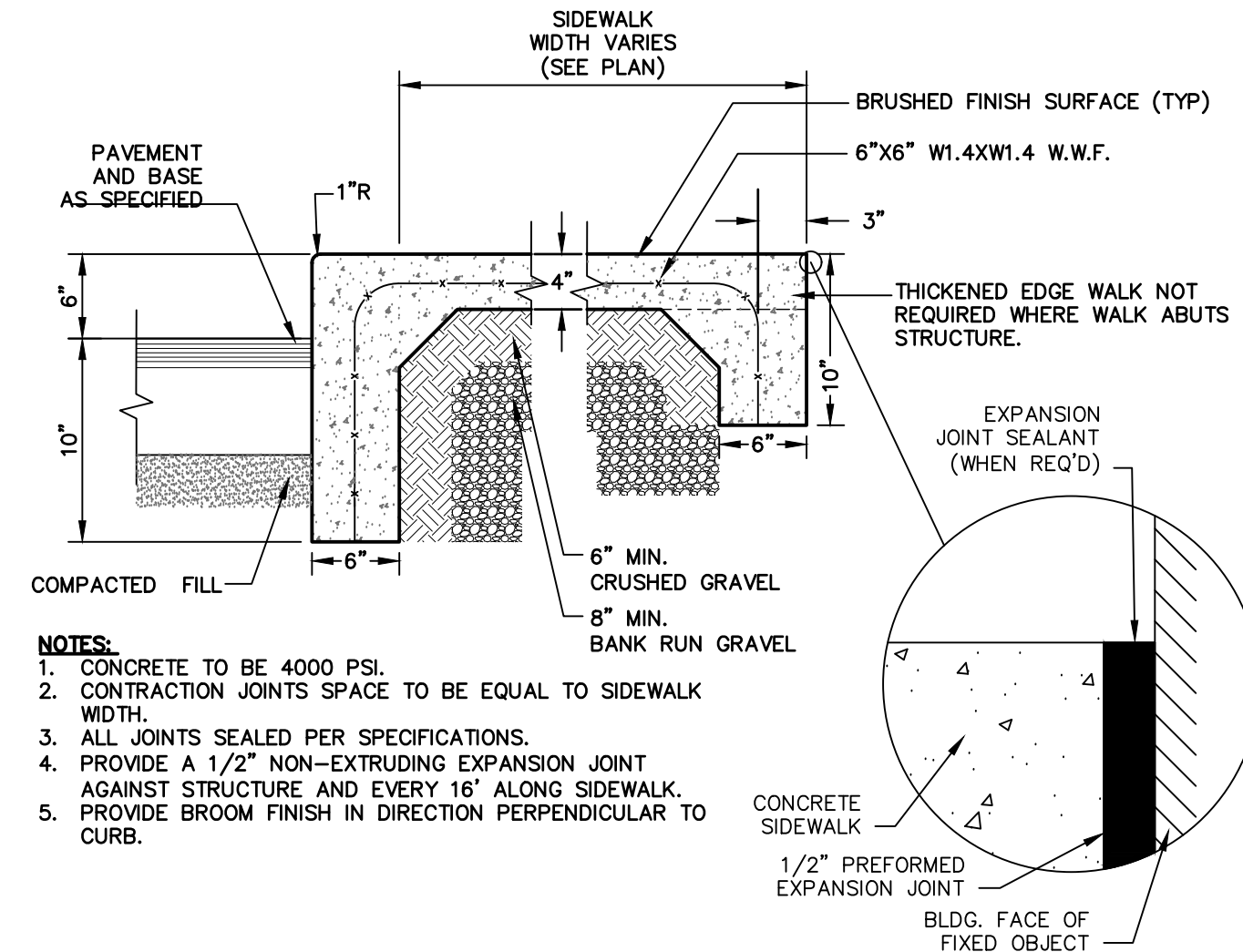
VERTICAL GRANITE CURB

NOT TO SCALE



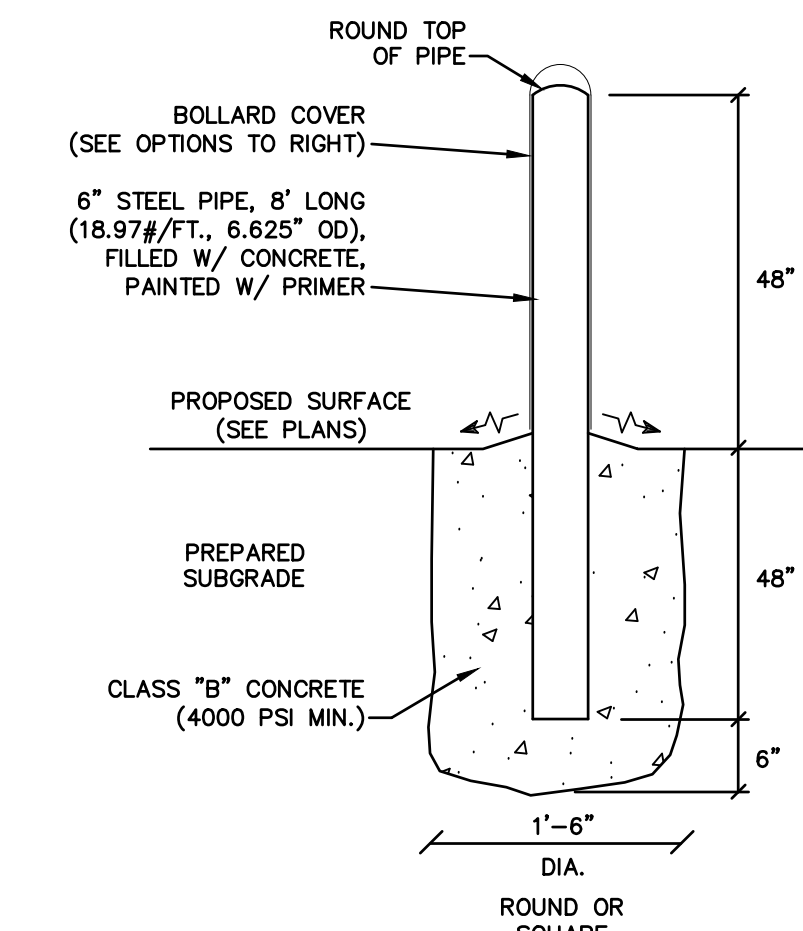
HANDICAP PARKING LAYOUT (TYPICAL - ADAPT TO RADIAL PARKING)

NOT TO SCALE



MONOLITHIC CONCRETE SIDEWALK

NOT TO SCALE

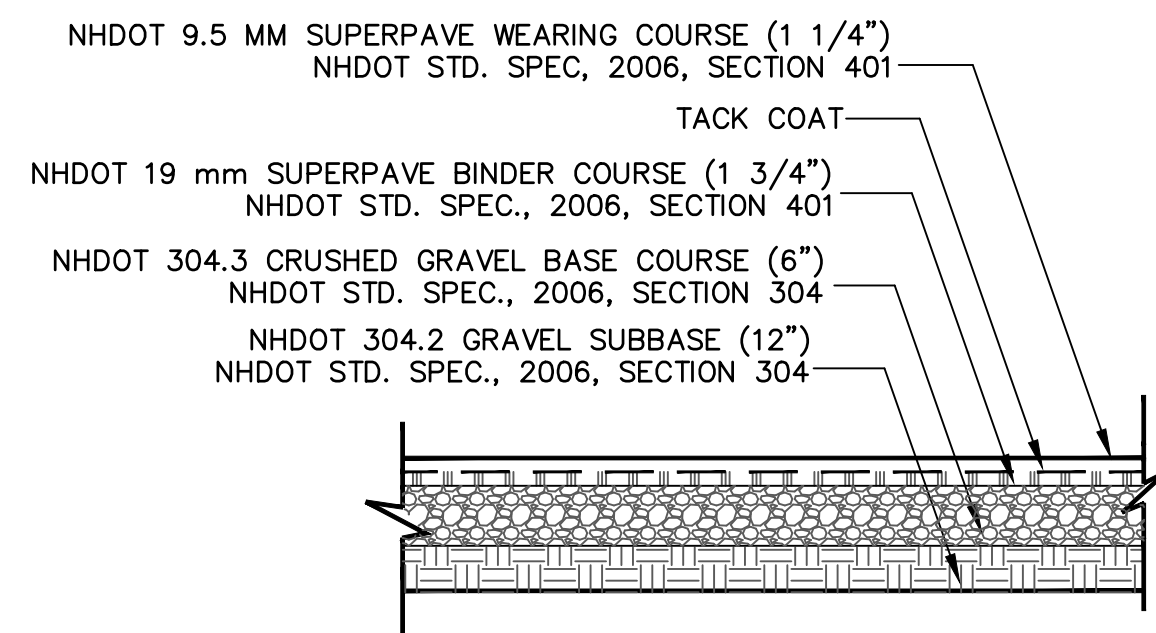


BOLLARD COVERS:

1. UNLESS NOTED OTHERWISE, BOLLARDS SHALL BE PROVIDED WITH 1/4"-THICK THERMOPLASTIC POLYETHYLENE COVERS.
2. BOLLARD COVERS TO BE IDEALSHIELD BRAND COVERS, OR APPROVED EQUAL.
3. COVER OPTIONS:
 - 3.1. STANDARD: YELLOW - DOME TOP
 - 3.2. ADA PARKING: BLUE - DOME TOP
 - 3.3. ARCHITECTURAL: BLACK OR URBAN BRONZE - DECORATIVE (W/ REFLECTIVE RINGS)
4. CONTRACTOR SHALL SUBMIT BOLLARD COVER CUT SHEETS FOR APPROVAL PRIOR TO ORDERING.

BOLLARD DETAIL

NOT TO SCALE

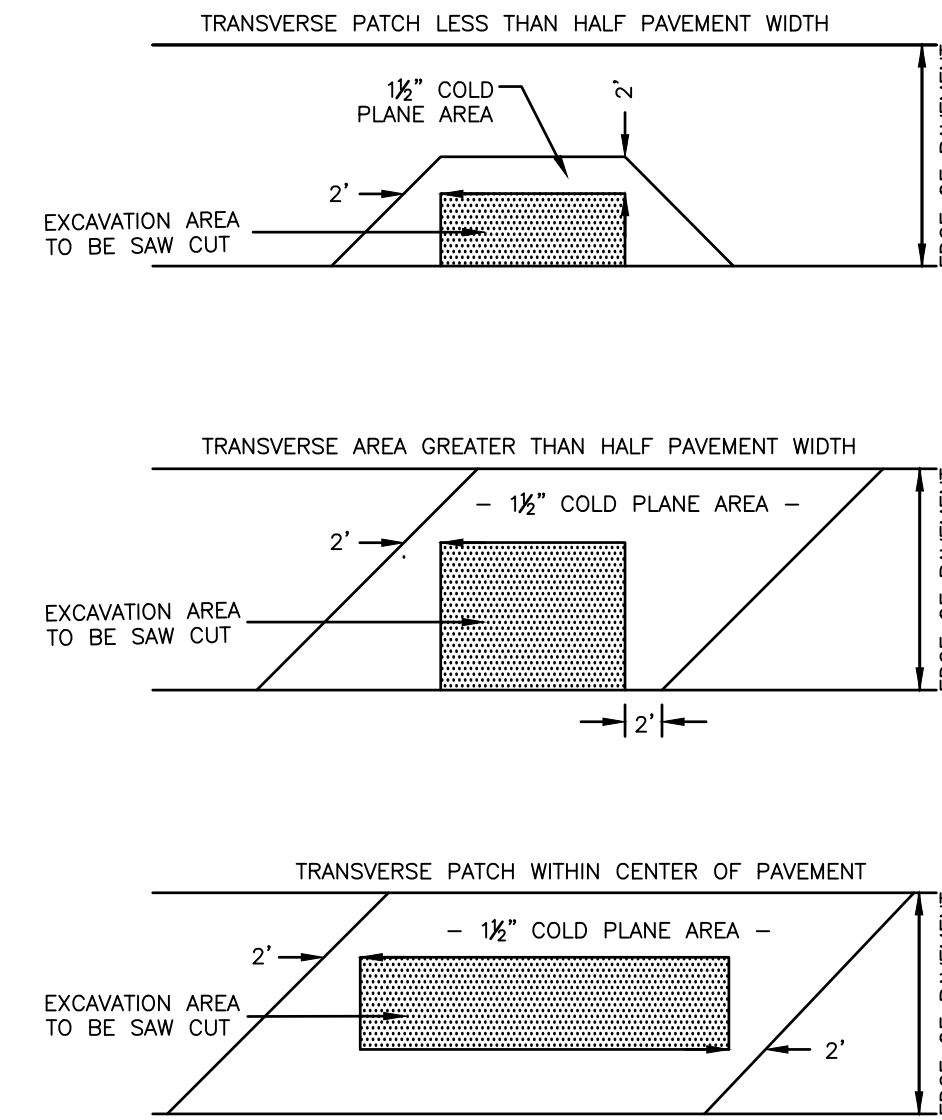


NOTES:

1. PAVEMENT SUBGRADES SHOULD BE PROOF ROLLED IN ORDER TO DENSIFY THE SUBGRADES USING A MINIMUM OF 4 PASSES WITH A 10-TON VIBRATORY DRUM COMPACTOR. THE GRAVEL BORROW SUBGRADE COURSE AND CRUSHED GRAVEL BASE COURSE SHOULD BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM-D698).
2. PAVEMENT SECTION SUBJECT TO CHANGE BASED ON GEOTECHNICAL INVESTIGATION.

STANDARD DUTY ASPHALT PAVEMENT SECTION

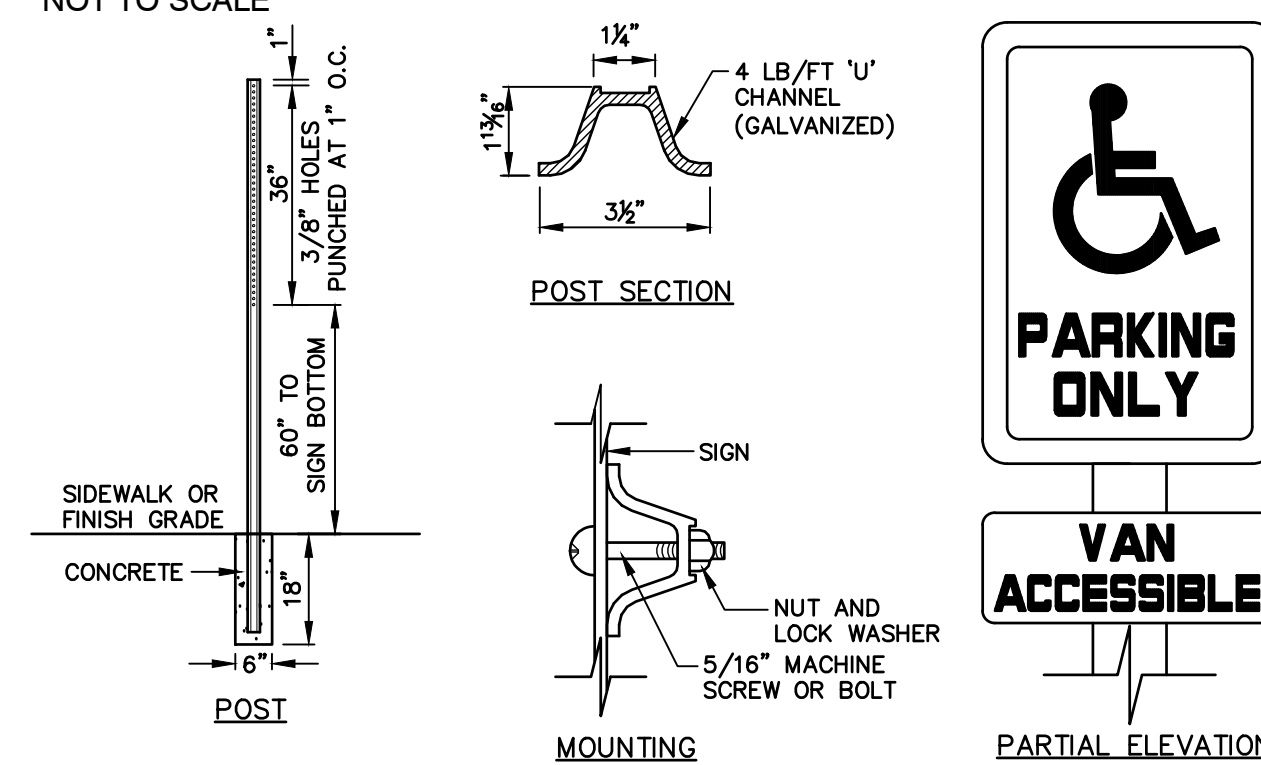
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NOTE: WHERE LIMITS OF ADJACENT COLD PLANED AREAS ARE LESS THAN OR EQUAL TO 20', THE AREA BETWEEN SHALL BE COLD PLANED AND RESURFACED.

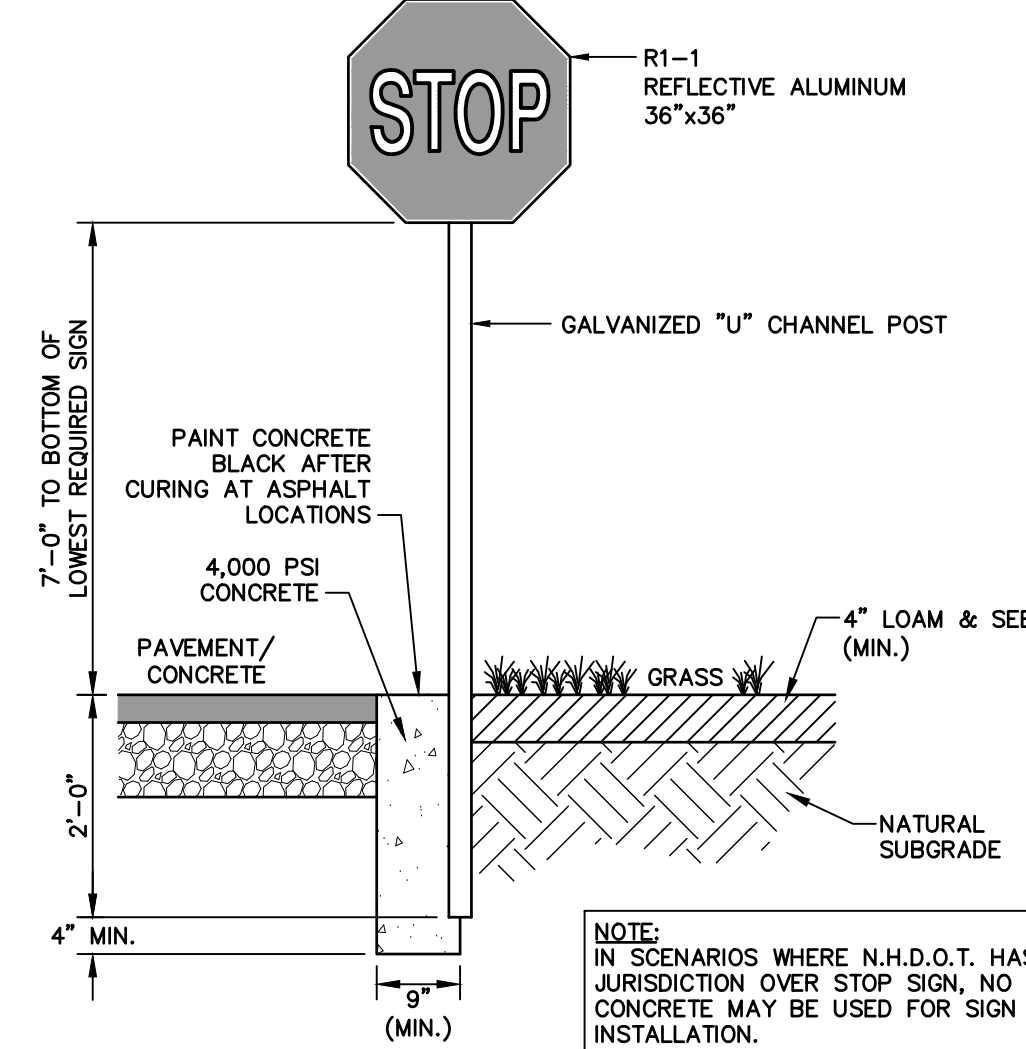
SAWCUT DETAIL

NOT TO SCALE



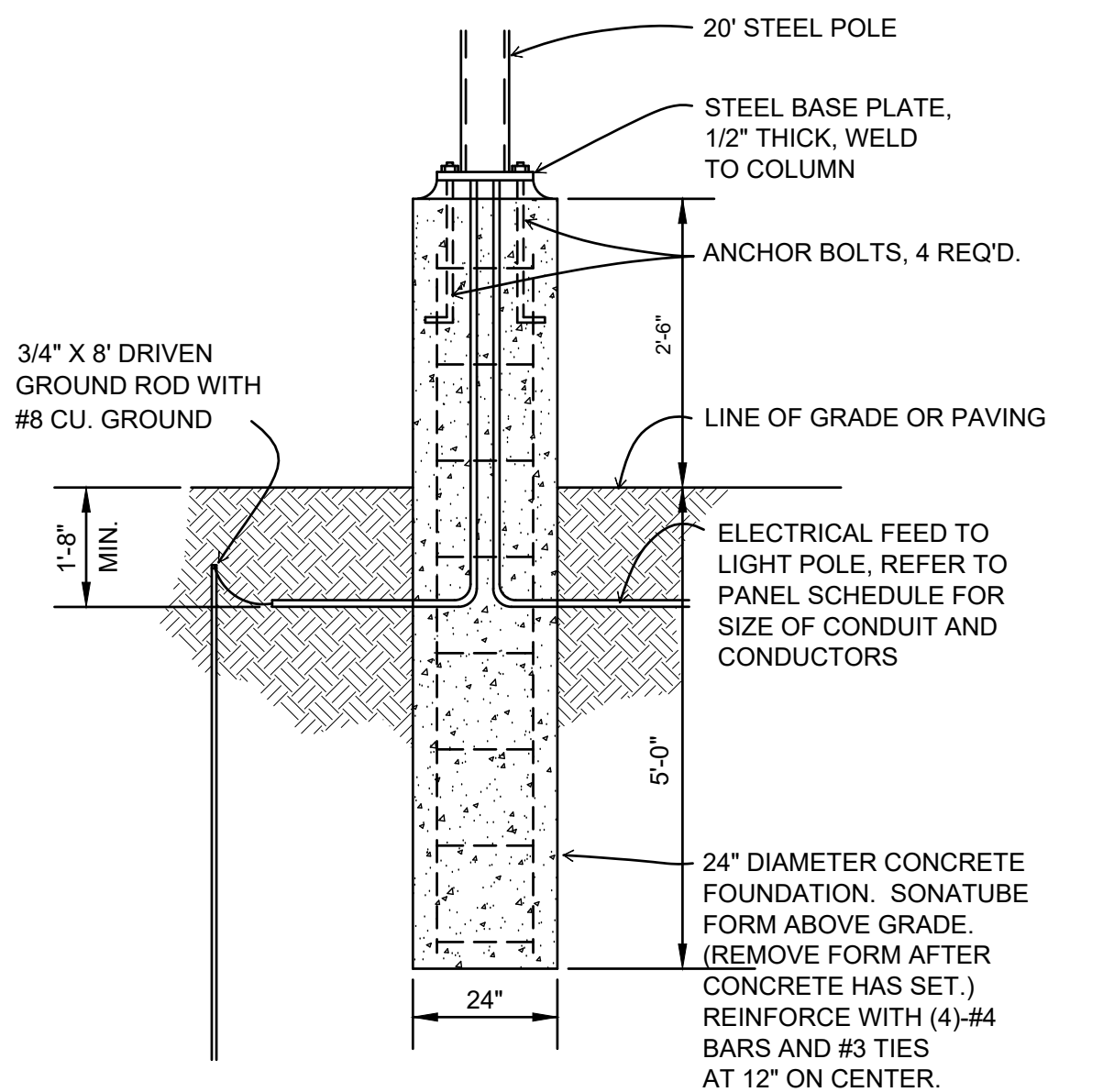
HANDICAP SIGN DETAILS

NOT TO SCALE



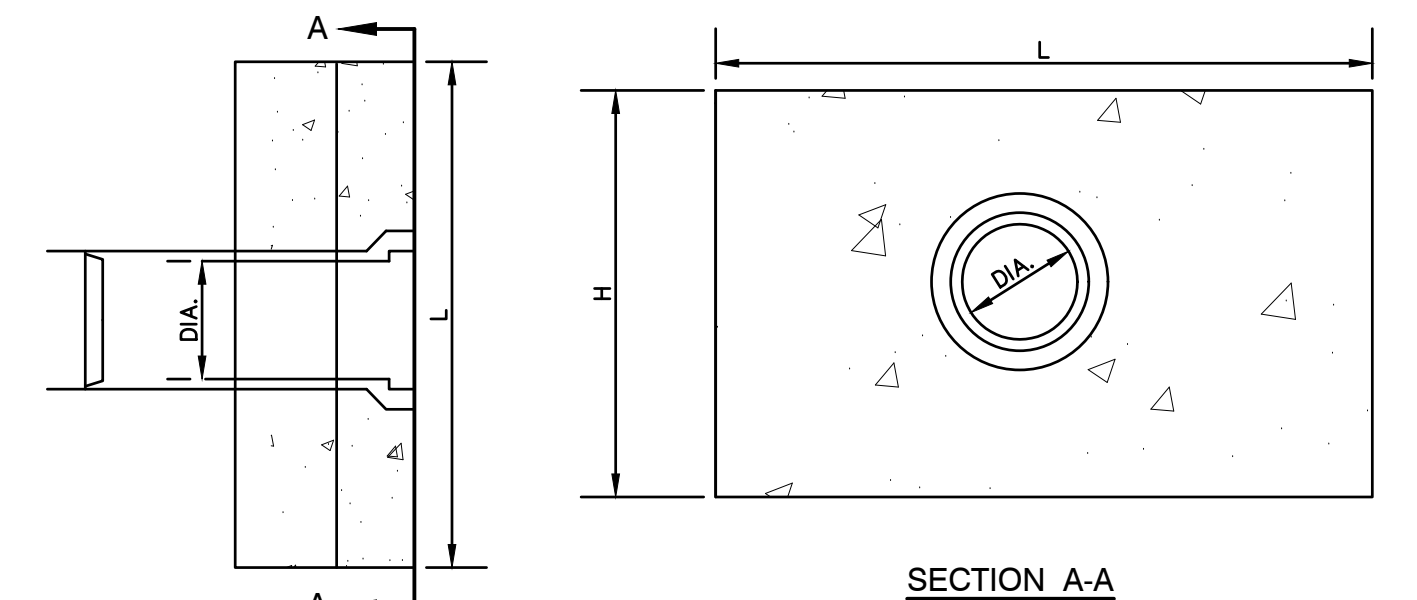
STOP SIGN (R1-1)

NOT TO SCALE

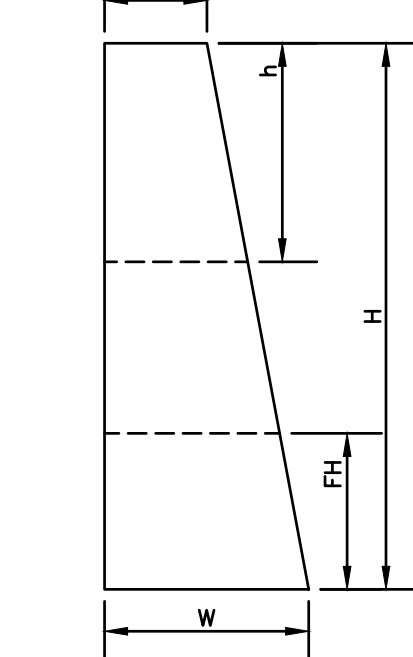


LIGHT POLE BASE FOUNDATION

NOT TO SCALE



LONGITUDINAL SECTION



DIA.	HEADWALL LENGTH	HEADWALL HEIGHT	FILL HEIGHT	PIPE COVER	HEADWALL BOTTOM WIDTH
D	L	H	FH	h	W
12"	4'-2"	3'-9"	1'-6"	1'-3"	1'-11"
15"	5'-11"	4'-2"	1'-6"	1'-5"	2'-0"
18"	6'-11"	4'-5"	1'-6"	1'-5"	2'-1"
24"	8'-10"	4'-11"	1'-6"	1'-5"	2'-3"

NOTES:

1. ALL DIMENSIONS GIVEN IN FEET & INCHES.
2. PROVIDE BELL END AT INLET HEADWALL, AND SPIGOT END AT OUTLET END HEADWALL.
3. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS. CEMENT TO BE TYPE III PER ASTM C-150. REINFORCING TO MEET OR EXCEED ASTM A-615 GRADE 60 DEFORMED BARS.
4. 1" THREADED INSERTS PROVIDED FOR FINAL ATTACHMENT IN FIELD BY OTHERS.

PRECAST CONCRETE HEADWALL

NOT TO SCALE

APPROVED BY THE HUDSON, NH PLANNING BOARD

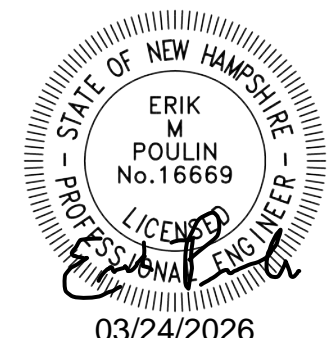
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3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
REV.	DATE	REVISION	BY

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885

Civil Engineering Services

603-772-4746

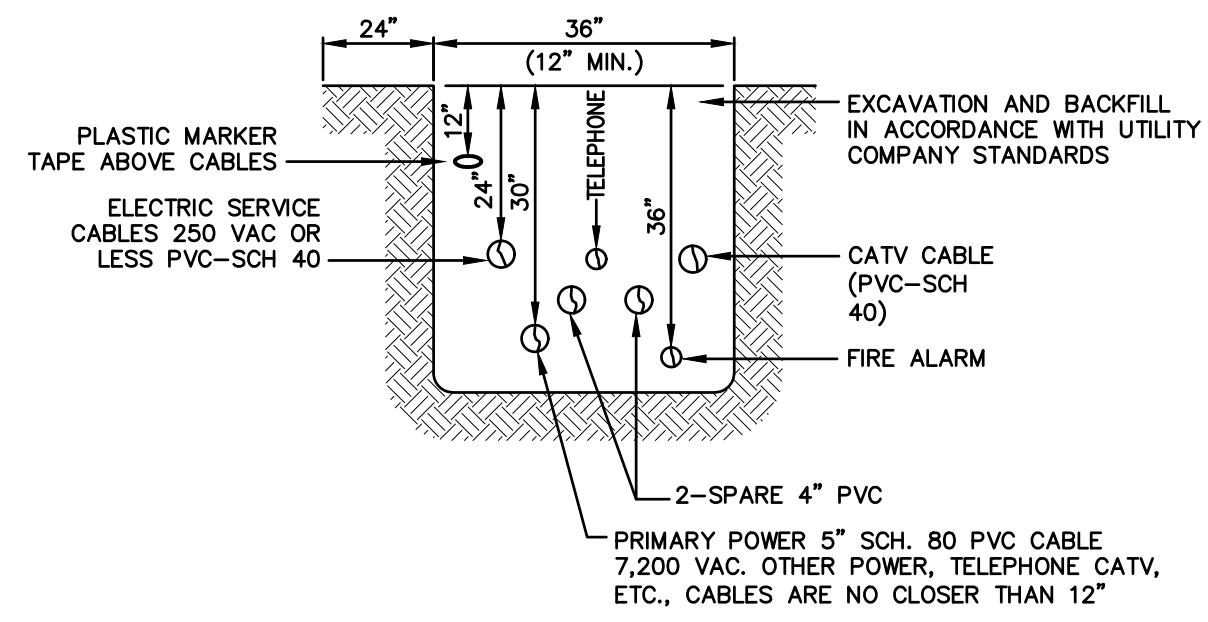
E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	DETAIL SHEET
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.

D1

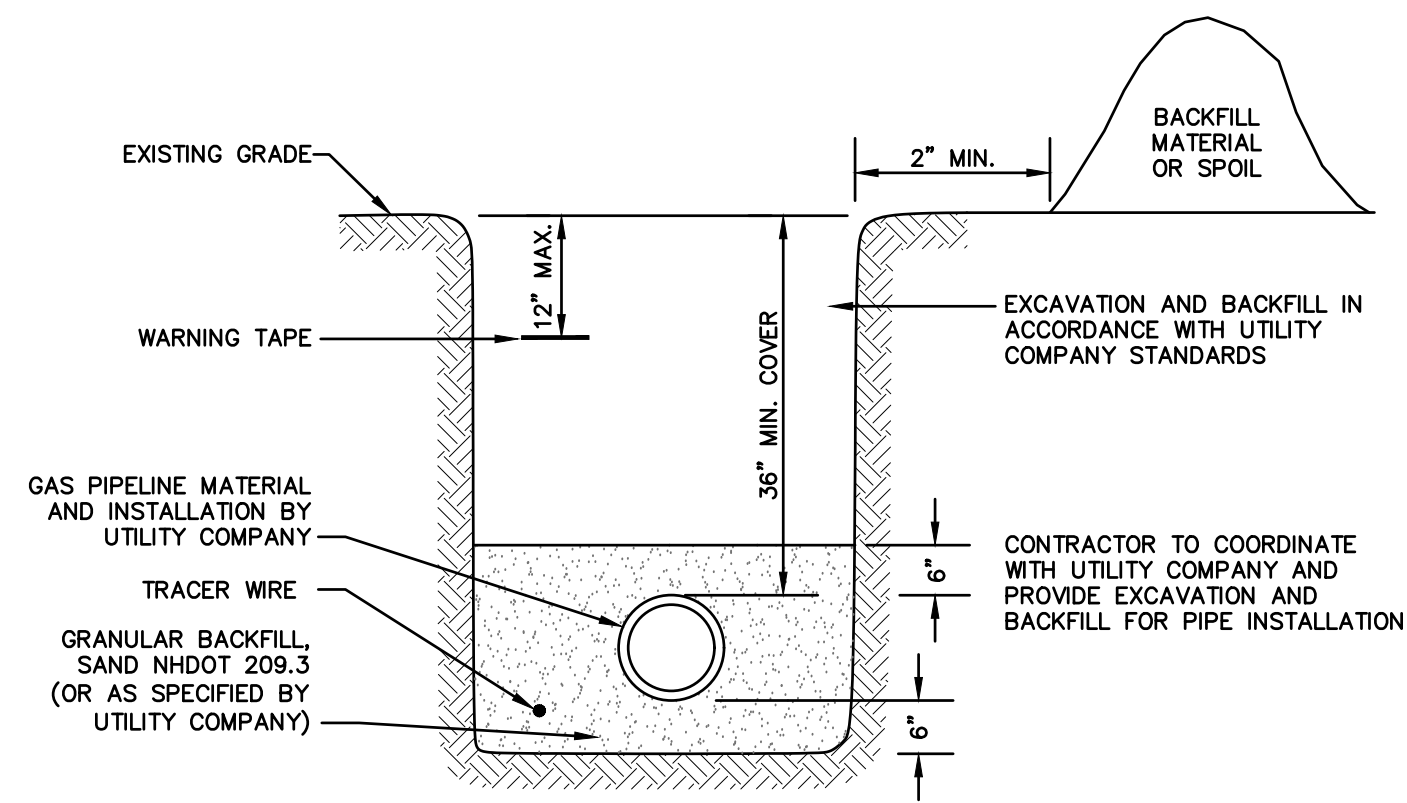
SHEET 11 OF 21
JBE PROJECT NO. 25082



NOTE: ALL UTILITIES SHALL BE REVIEWED AND APPROVED BY APPROPRIATE UTILITY COMPANY.

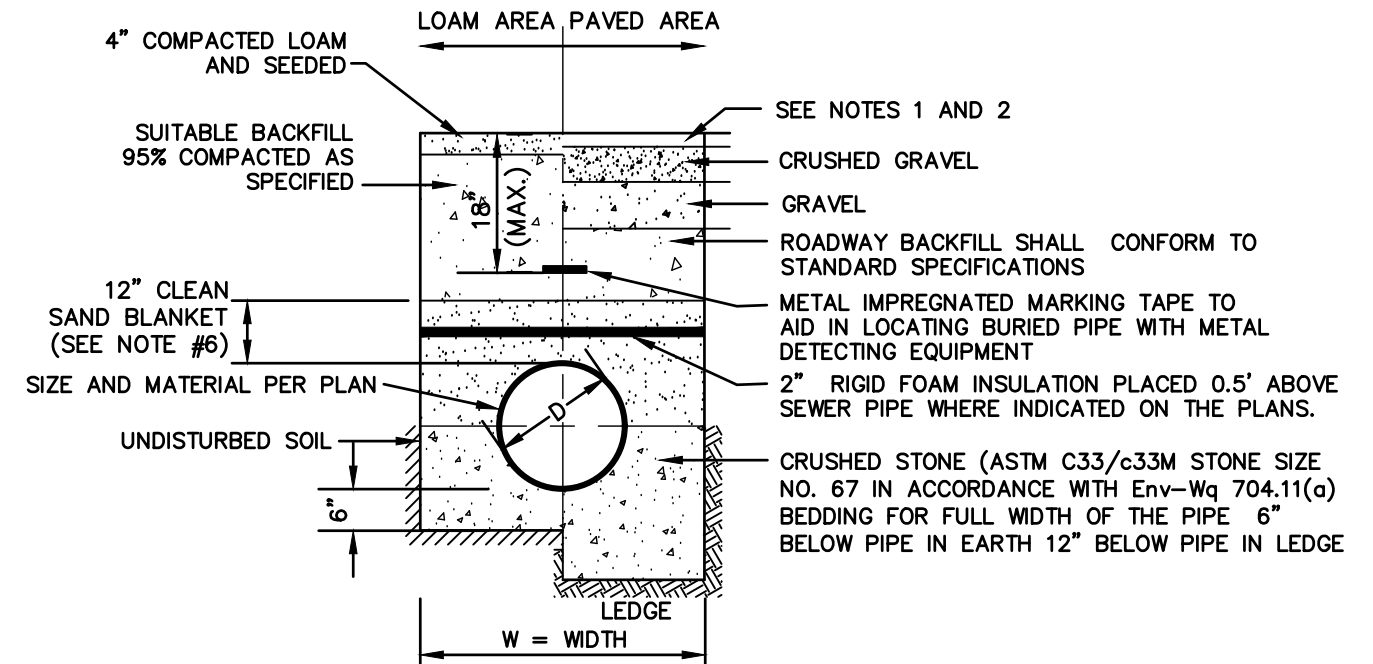
UTILITY TRENCH

NOT TO SCALE



GAS TRENCH

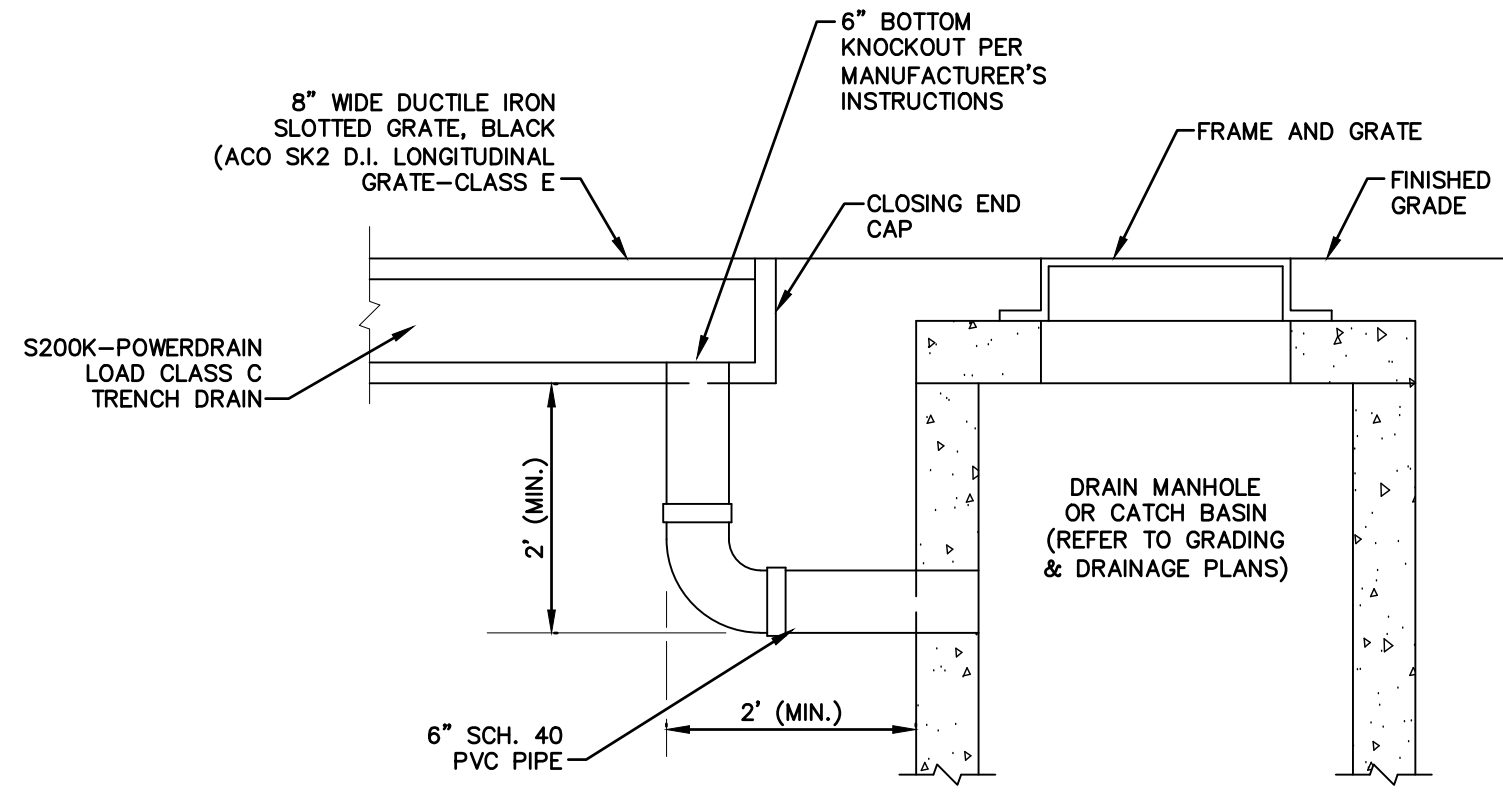
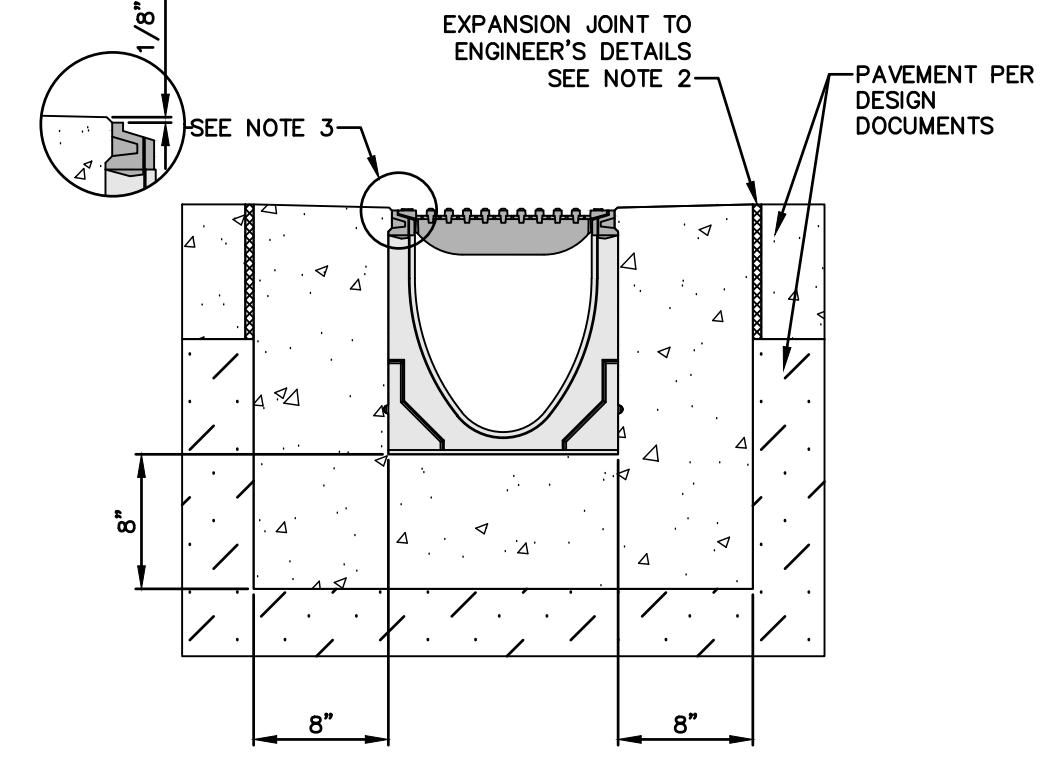
NOT TO SCALE



- NOTES:**
- PAVEMENT REPAIR IN EXISTING ROADWAYS SHALL CONFORM TO PAVEMENT DETAILS.
 - NEW ROADWAY CONSTRUCTION SHALL CONFORM TO SUBDIVISION SPECIFICATIONS.
 - TRENCH BACKFILL SHALL CONFORM WITH ENV. Wq 704.11(h) AND BE FREE OF DEBRIS, PAVEMENT, ORGANIC MATTER, TOP SOIL, WET OR SOFT MUCK, PEAT OR CLAY, EXCAVATED LEDGE OR ROCKS OVER SIX INCHES.
 - W= MAXIMUM ALLOWABLE TRENCH WIDTH TO A PLANE 12" INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER OR LESS, WIDTH SHALL BE NO MORE THAN 36"; FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, WIDTH SHALL BE 24 INCHES PLUS PIPE O.D. WIDTH SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE.
 - RIGID FOAM INSULATION TO BE PROVIDED WHERE COVER IN THE ROADWAY IS LESS THAN 6" AND CROSS COUNTRY IS LESS THAN 4", PURSUANT TO DES WAIVER BEING ISSUED.
 - PIPE SAND BLANKET MATERIAL SHALL BE GRADED SAND, FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT 100% PASSES A 1/2" SIEVE AND A MAXIMUM OF 15% PASSES A #200 SIEVE IN ACCORDANCE WITH ENV-Wq 704.11(b).
 - JOINT SEALS FOR PVC PIPE SHALL BE OIL RESISTANT COMPRESSION RINGS OF ELASTOMERIC MATERIAL AND CERTIFIED BY THE MANUFACTURER AS CONFORMING TO THE ASTM D3212 STANDARD IN EFFECT WHEN THE JOINT SEALS WERE MANUFACTURED, AND SHALL BE PUSH-ON, BELL-AND-SPIGOT TYPE PER ENV-Wq 704.05 (e).
 - PVC PIPE SHALL CONFORM WITH ASTM D3034 AND ASTM D2412.

SEWER TRENCH

NOT TO SCALE



TRENCH DRAIN DETAIL

NOT TO SCALE

- NOTES:**
- MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
 - EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND.
 - THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" ABOVE THE TOP OF THE CHANNEL EDGE.
 - CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS.
 - REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATIONS

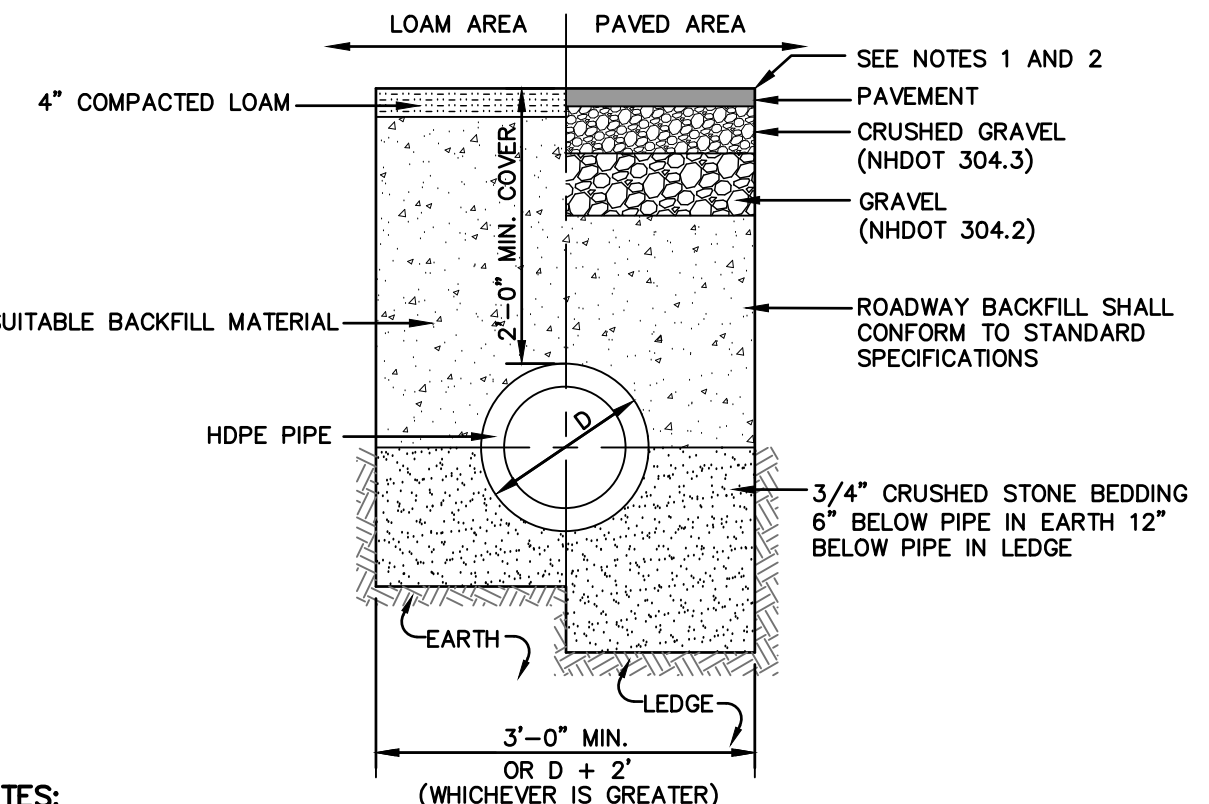
GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE S200K CHANNEL SYSTEM WITH DUCTILE IRON EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN DUCTILE IRON EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPREHENSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF:	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
B117 SALT SPRAY TEST COMPLAINT:	YES

THE SYSTEM SHALL BE 8" NOMINAL INTERNAL WIDTH WITH 10.2" OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5% ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

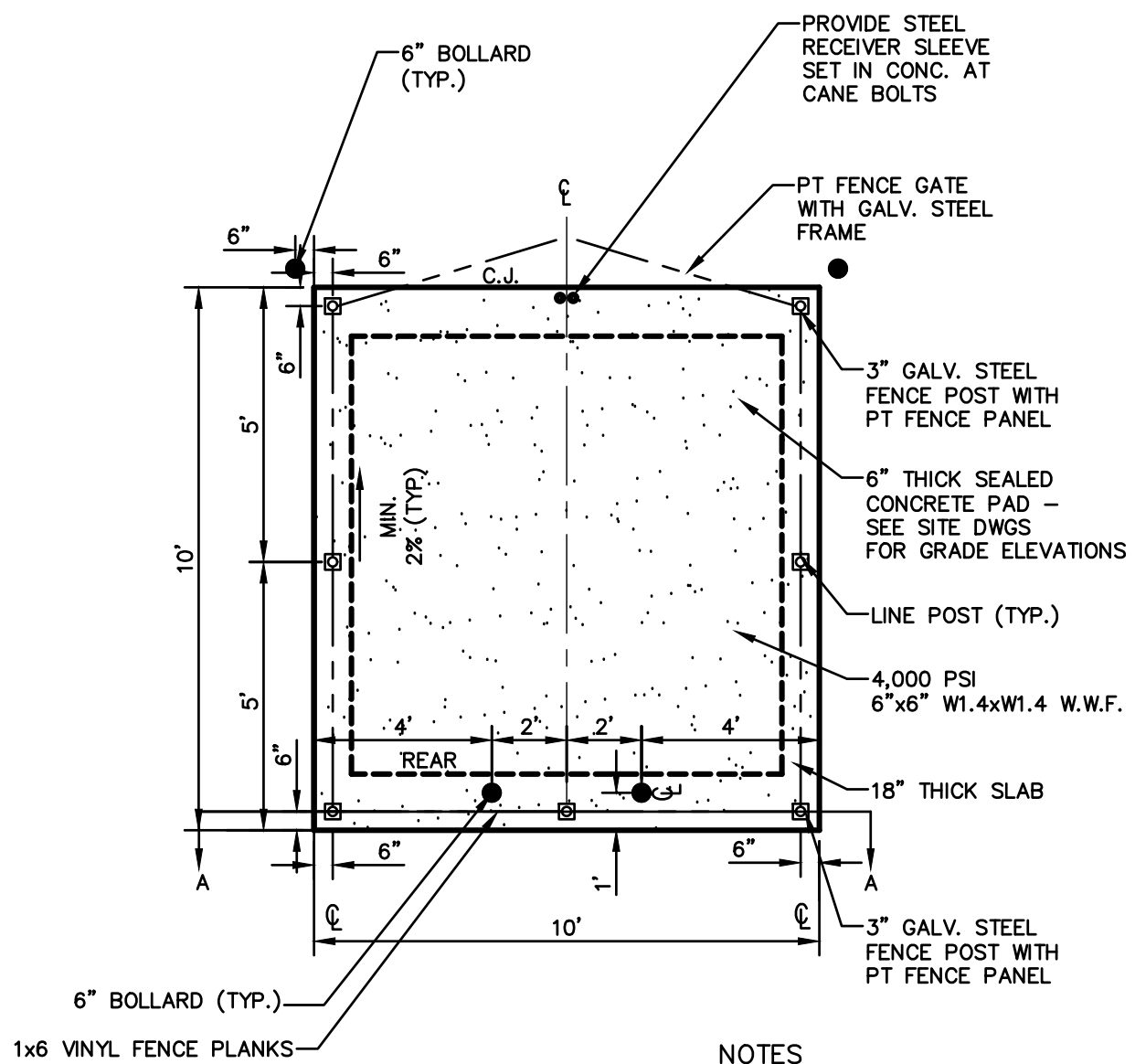
CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATES SHALL BE SECURED USING 'POWERLOK' BOLTLESS LOCKING SYSTEM. CHANNEL GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.



- NOTES:**
- PAVEMENT REPAIR IN EXISTING ROADWAYS SHALL CONFORM TO STREET OPENING REGULATIONS.
 - NEW ROADWAY CONSTRUCTION SHALL CONFORM WITH PROJECT AND TOWN SPECIFICATIONS.
 - ALL MATERIALS ARE TO BE COMPACTED TO 95% OF ASTM D-1557.

DRAINAGE TRENCH

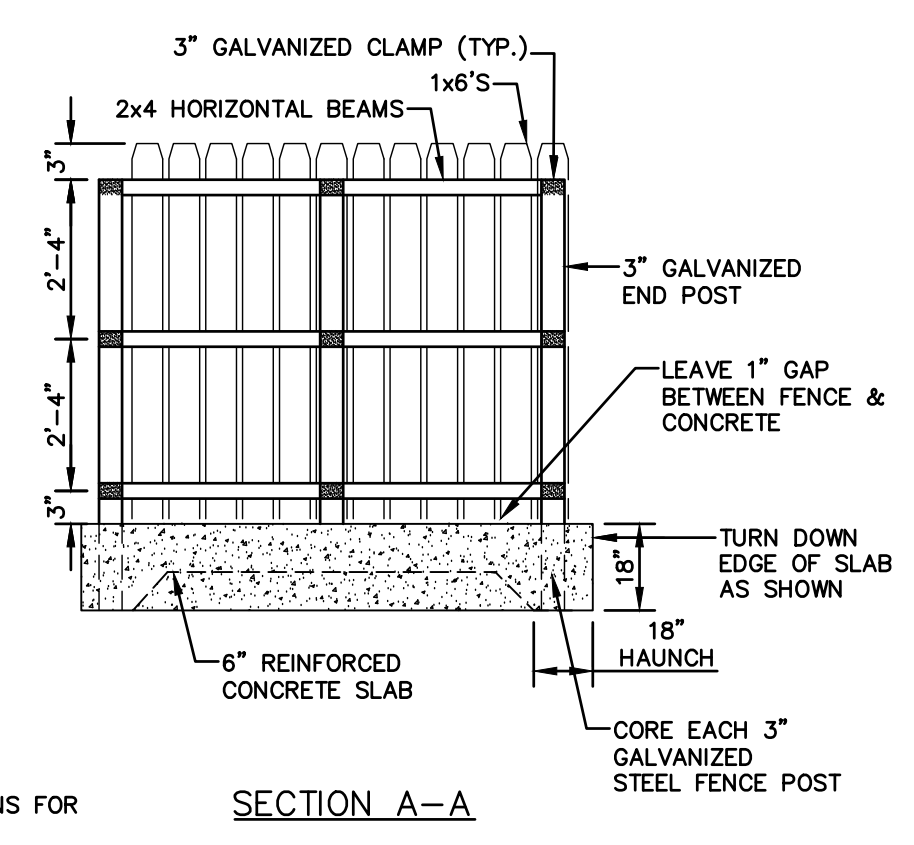
NOT TO SCALE



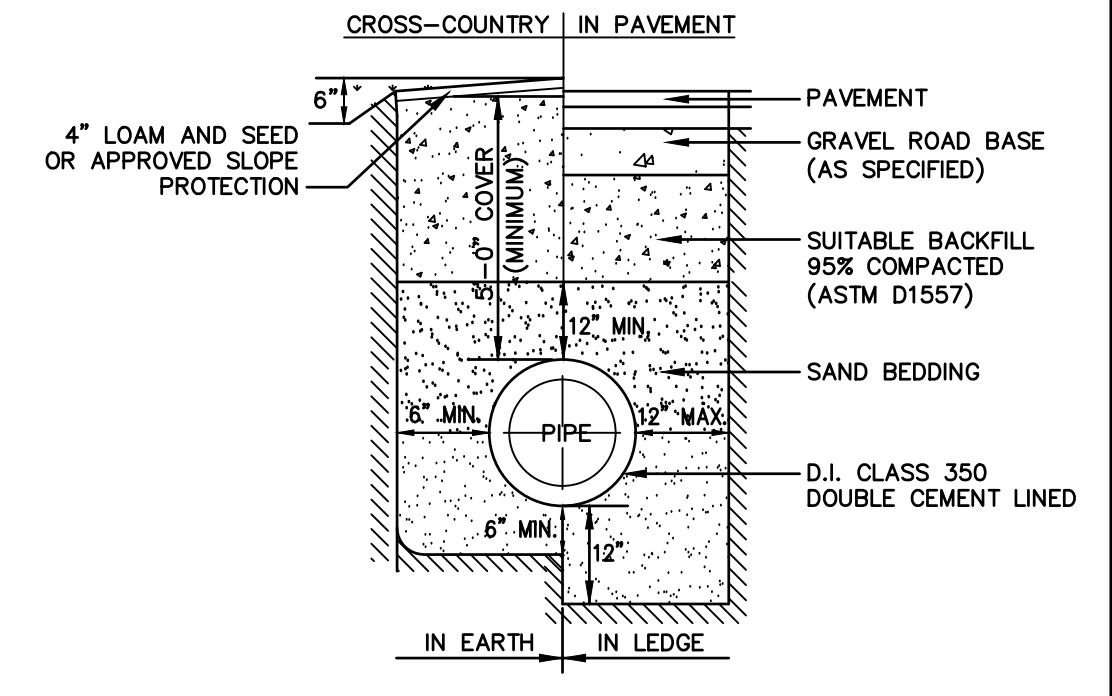
- NOTES:**
- ALL BOARDS TO BE VINYL.
 - FENCE TO MATCH BUILDING.
 - DUMPSTER SIZE VARIES, SEE SITE PLANS FOR SCREENING SIZE.

DUMPSTER ENCLOSURE PLAN

NOT TO SCALE



SECTION A-A

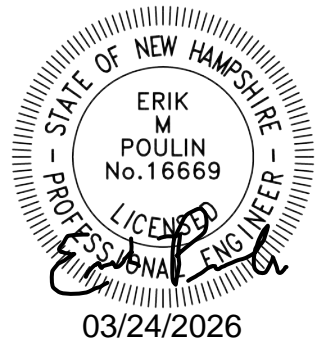


WATER SYSTEM TRENCH

NOT TO SCALE

APPROVED BY THE HUDSON, NH PLANNING BOARD
DATE OF MEETING: _____
SIGNATURE DATE: _____
SIGNATURE DATE: _____
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Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		
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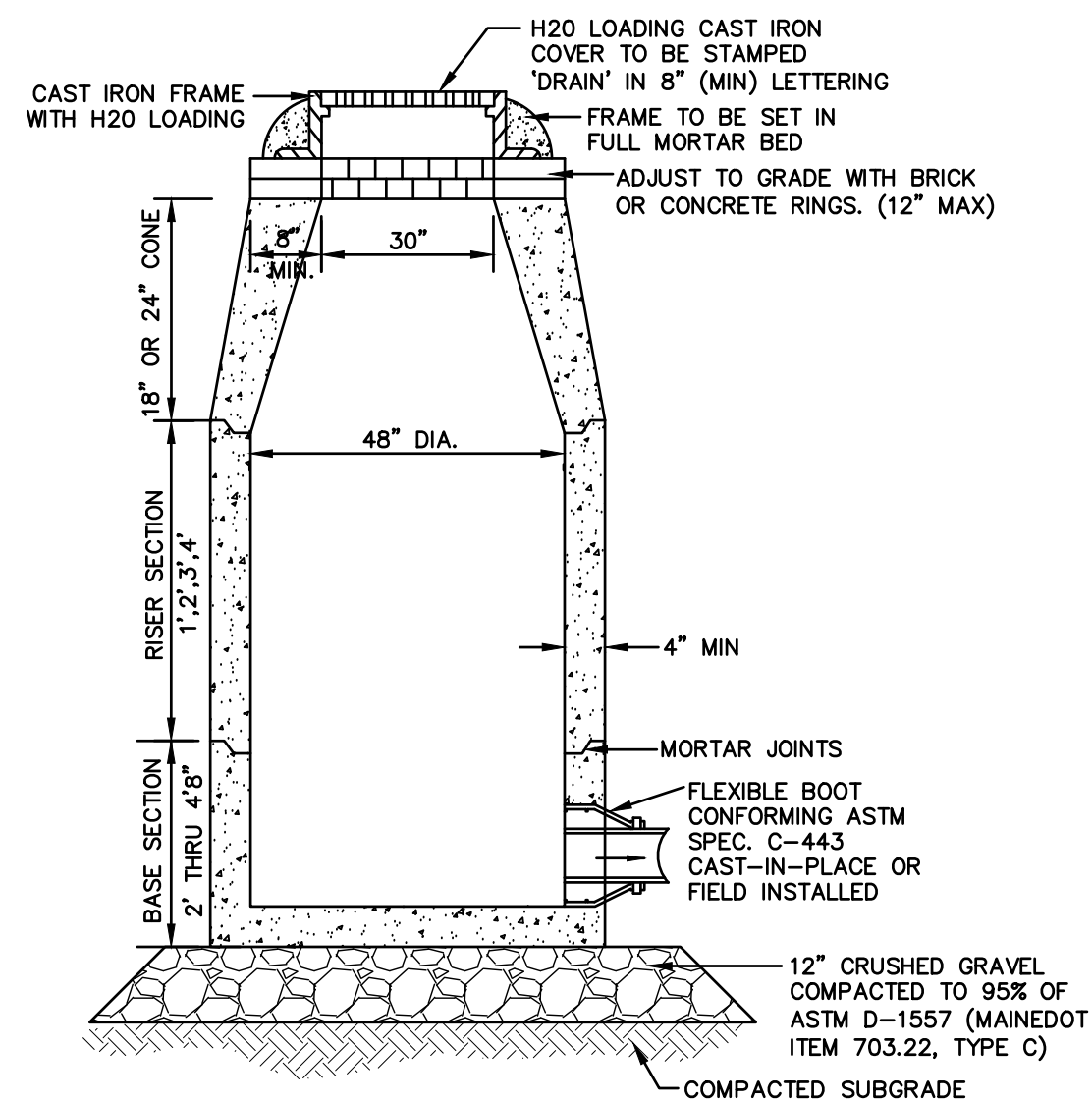
Designed and Produced in NH
J/B Jones & Beach Engineers, Inc.
85 Portsmouth Ave. Civil Engineering Services 603-772-4746
PO Box 219 Stratham, NH 03885 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	DETAIL SHEET
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.
D2
SHEET 12 OF 21
JBE PROJECT NO. 25082

TRAFFIC CONTROL SCHEDULE						
SIGN NUMBER	SIGN	SIZE OF SIGN WIDTH HEIGHT	DESCRIPTION	MOUNT TYPE	MOUNT HEIGHT	REMARKS
R1-1	STOP	30" 30"	WHITE ON RED	CHANNEL	7'-0"	REFLECTORIZED SIGN
R1-2	YIELD	36"x36"x36"	RED ON WHITE	CHANNEL	7'-0"	REFLECTORIZED SIGN
R4-7A	KEEP RIGHT	24" 30"	BLACK/SILVER	CHANNEL	7'-0"	REFLECTORIZED SIGN
R5-1	NO LEFT TURN	30" 30"	RED / SILVER	CHANNEL	7'-0"	REFLECTORIZED SIGN
R7-8	WHEELCHAIR ACCESSIBLE	12" 24"	BLUE & GREEN ON WHITE	CHANNEL	5'-0"	REFLECTORIZED SIGN
R7-8A	VAN ACCESSIBLE	12" 6"	BLUE & GREEN ON WHITE	CHANNEL	5'-0"	REFLECTORIZED SIGN

*MOUNTING HEIGHT IS BOTTOM OF SIGN

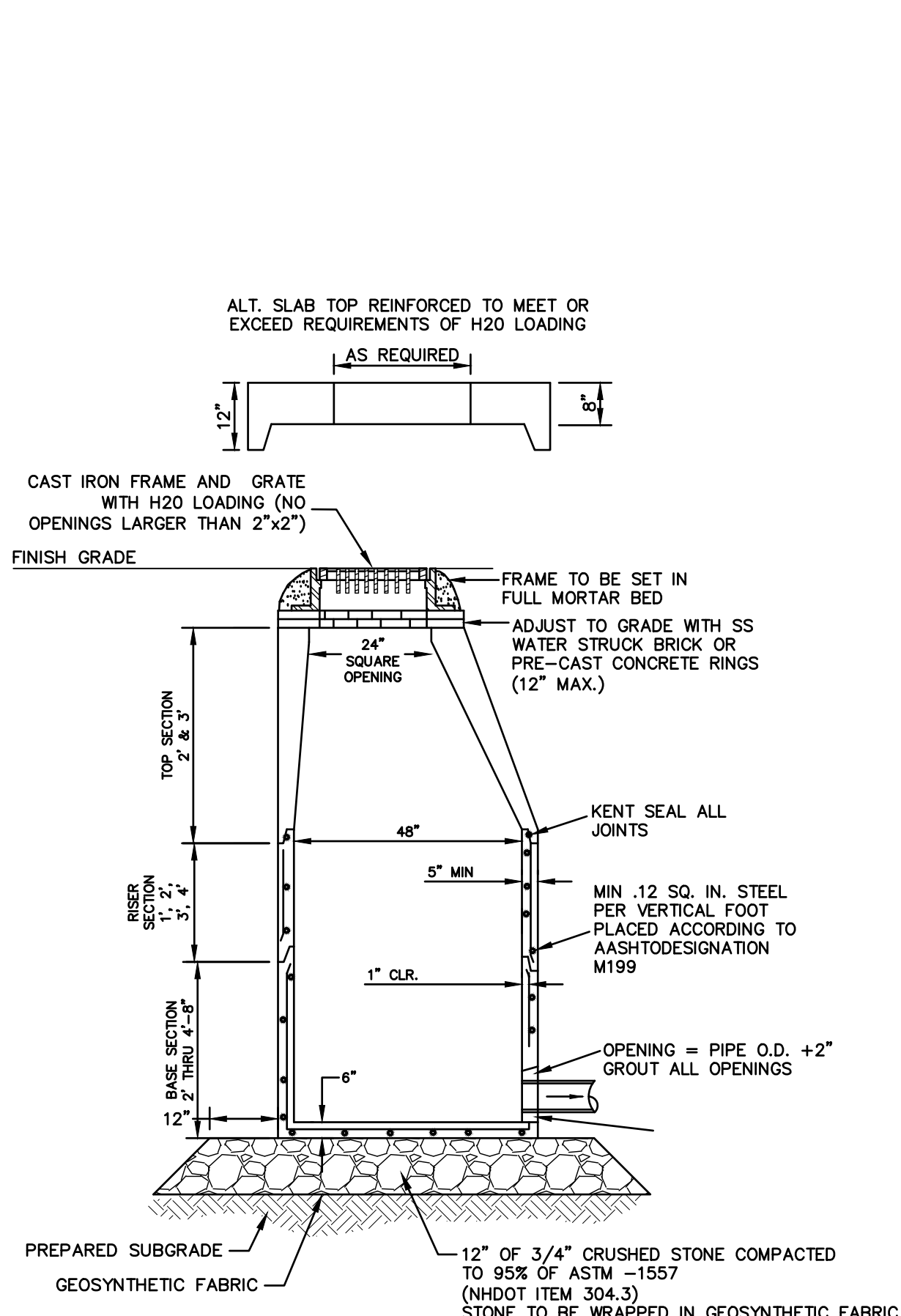


NOTES:

1. BASE SECTION SHALL BE MONOLITHIC WITH 48" INSIDE DIAMETER.
2. ALL SECTIONS SHALL BE DESIGNED FOR H2O LOADING.
3. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4000 PSI, TYPE II CEMENT.
4. FRAMES AND GRATES SHALL BE HEAVY DUTY AND DESIGNED FOR H2O LOADING.
5. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS SO AS TO BE WATERTIGHT.
6. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
7. ALL DRAIN MANHOLE FRAMES AND GRATES SHALL BE NEENAH R-1798 OR APPROVED EQUAL (30" DIA. TYPICAL).
8. STANDARD FRAME(S) AND GRATE(S) SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM, BUT NO MORE THAN 12"), OR PRECAST CONCRETE "DONUTS".

DRAIN MANHOLE (4' DIAM.)

NOT TO SCALE

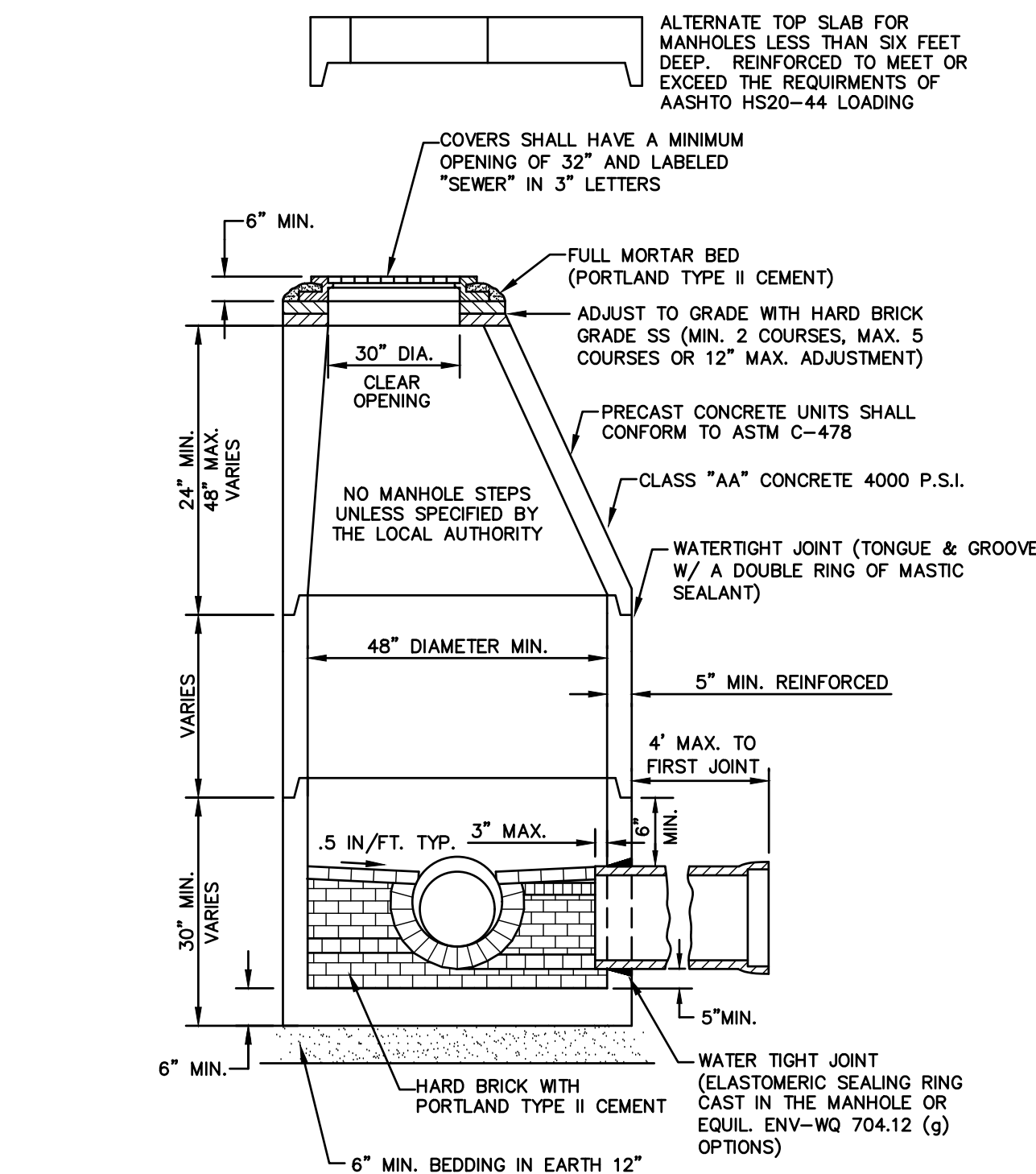


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5. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS SO AS TO BE WATERTIGHT.
6. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
7. ALL CATCH BASIN FRAMES AND GRATES SHALL BE NHDOT CATCH BASIN TYPE ALTERNATE 1 OR NEENAH R-3570 OR APPROVED EQUAL (24"x24" TYPICAL).
8. STANDARD CATCH BASIN FRAME AND GRATE(S) SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM, BUT NO MORE THAN 12"), OR PRECAST CONCRETE "DONUTS".

CATCH BASIN (w/o SUMP)

NOT TO SCALE



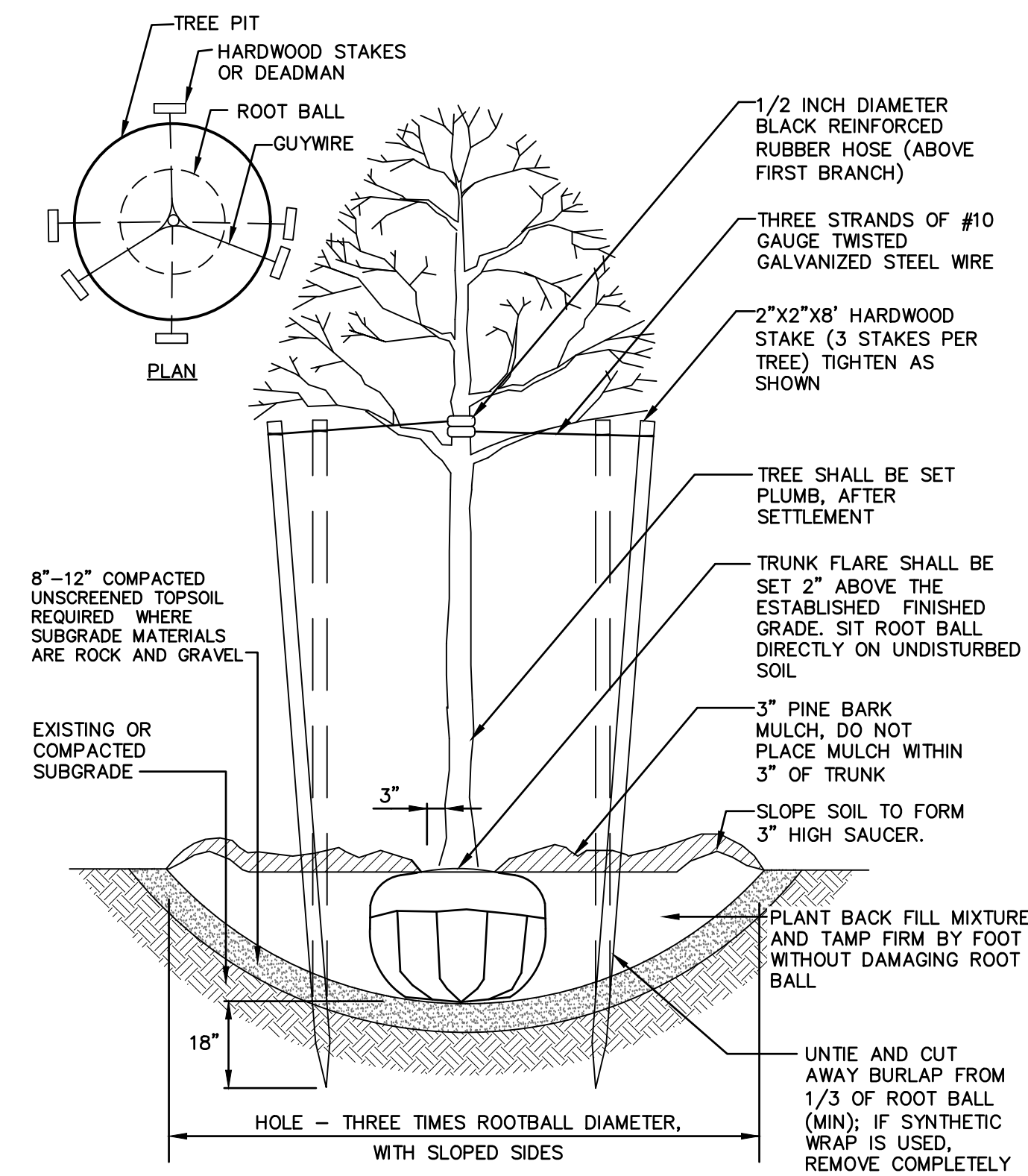
NOTES:

1. PER NHDES ENV-WQ 704.13(C), MORTAR USED IN MANHOLE CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING:
 - a. MORTAR SHALL BE COMPOSED OF TYPE II PORTLAND CEMENT AND SAND WITH OR WITHOUT HYDRATED LIME ADDITION
 - b. PROPORTIONS IN MORTAR OF PARTS BY VOLUMES SHALL BE PER TABLE 704-4:
 - (1) 4.5 PARTS SAND AND 1.5 PARTS CEMENT; OR
 - (2) 4.5 PARTS SAND, ONE PART CEMENT AND 0.5 PART HYDRATED LIME.
 - c. CEMENT SHALL BE TYPE II PORTLAND CEMENT THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTM C150/C150M STANDARD IN EFFECT AT THE TIME THE CEMENT WAS MANUFACTURED
 - d. HYDRATED LIME SHALL BE TYPE S THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTM C207 STANDARD IN EFFECT AT THE TIME THE HYDRATED LIME WAS PROCESSED
 - e. SAND SHALL CONSIST OF INERT NATURAL SAND THAT IS CERTIFIED BY ITS SUPPLIER AS CONFORMING TO THE ASTM C33 STANDARD IN EFFECT AT THE TIME THE SAND IS PROCESSED BY STANDARD SPECIFICATIONS FOR CONCRETE, FINE AGGREGATES
 - f. CONCRETE FOR DROP SUPPORTS SHALL CONFORM TO THE REQUIREMENT FOR CLASS AAA CONCRETE OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AVAILABLE AT:

HTTP://WWW.NH.GOV/DOT/ORG/PROJECTDEVELOPMENT/HIGHWAYDESIGN/SPECIFICATIONS/INDEX.HTM
2. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPED TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL IN ACCORDANCE WITH ENV-WQ 704.12 (K).
3. ALL MANHOLES SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH ENV-WQ 704.17 (e) THROUGH (e).
4. SEWER MANHOLE COVERS SHALL CONFORM TO ASTM A48/48M WITH A CASTING EQUAL TO CLASS 30 IN ACCORDANCE WITH ENV-WQ 704.13 (a) (8).
5. ALL PRECAST SECTIONS SHALL BE COATED ON THE EXTERIOR WITH A BITUMINOUS DAMP-PROOFING COATING IN ACCORDANCE WITH ENV-WQ 704.12 (J).
6. ALL PRECAST SECTIONS AND BASES SHALL HAVE THE DATE OF MANUFACTURE AND THE NAME OR TRADEMARK OF THE MANUFACTURER IMPRESSED OR INDELIBLY MARKED ON THE INSIDE WALL PER ENV-WQ 704.12(I).
7. BRICK MASONRY SHALL CONFORM TO ASTM C32 (ENV-WQ 704.12(a)(9))

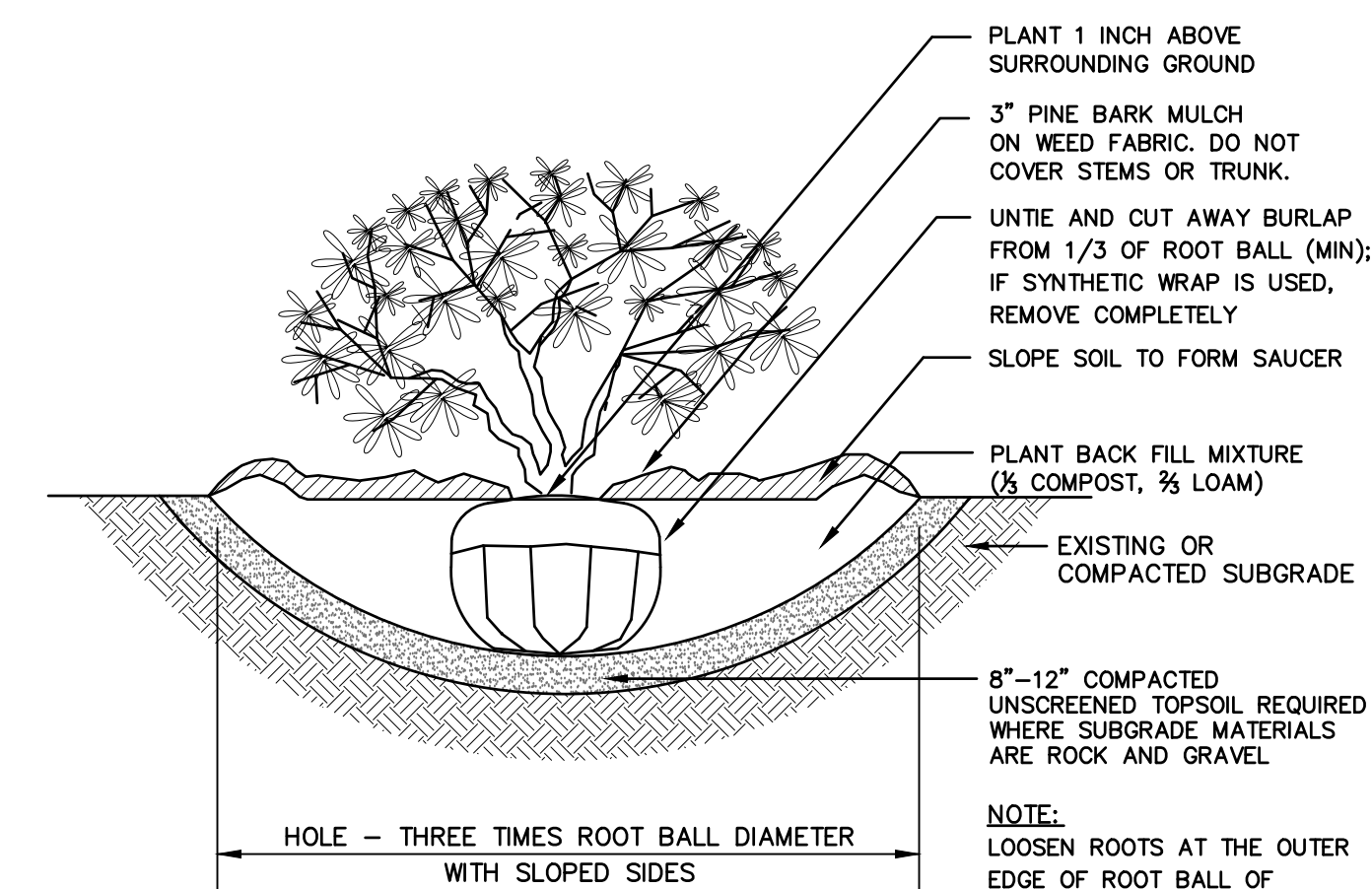
SEWER MANHOLE

NOT TO SCALE



TREE PLANTING (FOR TREES UNDER 4" CALIPER)

NOT TO SCALE

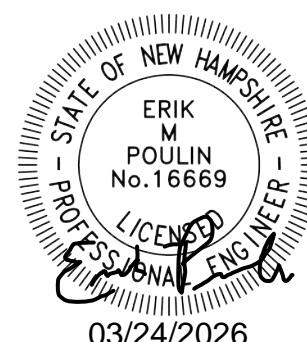


SHRUB PLANTING

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Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.	D3
SHEET 13 OF 21	JBE PROJECT NO. 25082

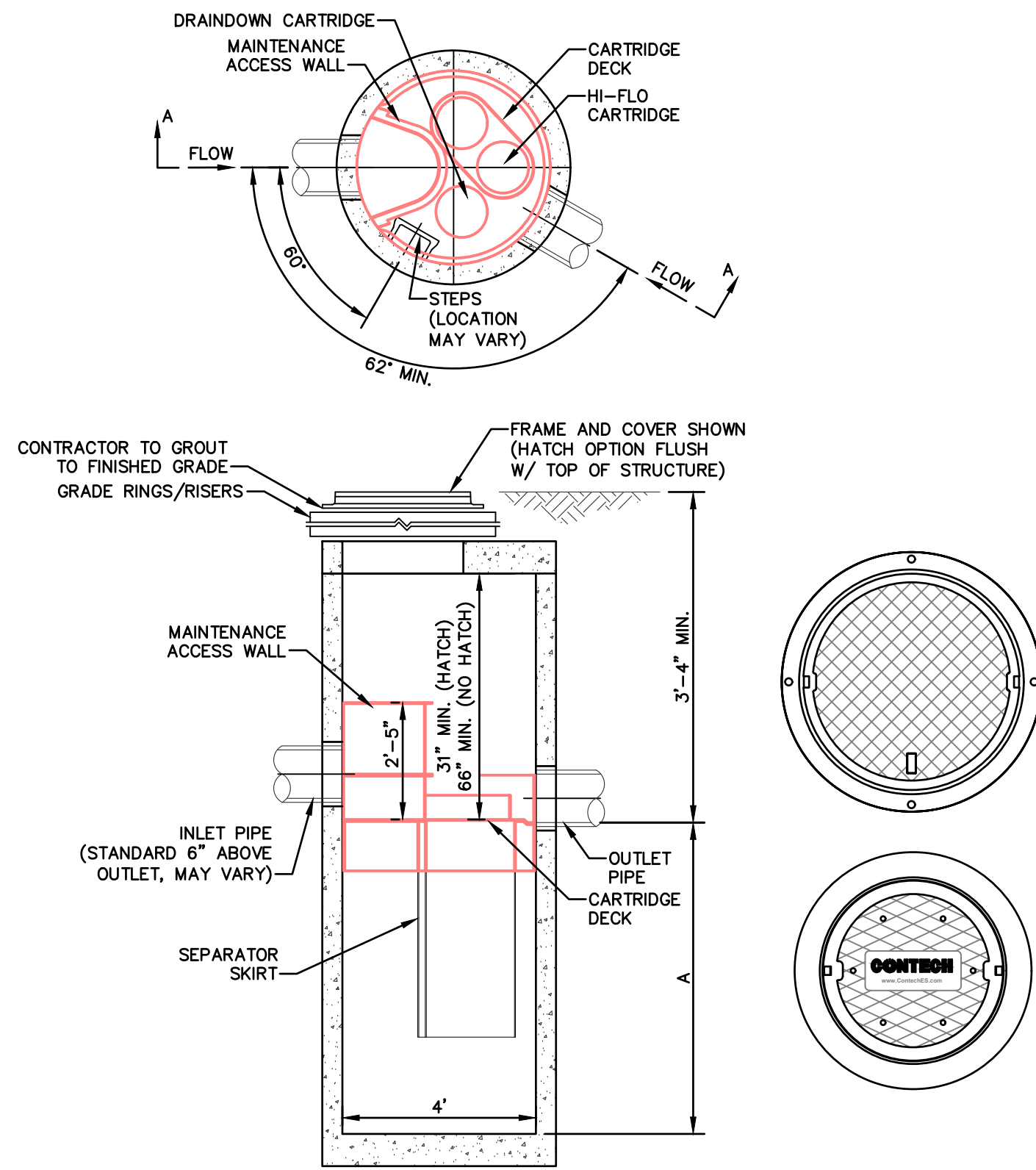
**ACCEPTABLE FILL MATERIALS
STORMTECH SC-310 AND SC-740 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION	AASHTO M145 DESIGNATION	COMPACTION/DENSITY REQUIREMENT
D	PAVEMENT SUBGRADE, DEPTH(S) PER SPECIFICATIONS	N/A	N/A	PREPARE PER SPECIFICATIONS AND PLANS. PAVED INSTALLATIONS HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	FILL MATERIAL FROM 1.50' ABOVE CHAMBERS TO BOTTOM OF PAVEMENT SUBGRADE	3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	A-1 A-2 A-3	COMPACT IN 6" LIFTS TO A MINIMUM 95% STANDARD PROCTOR DENSITY. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000 LBS.
B	EMBEDMENT STONE SURROUNDING AND TO A 1.50' ELEVATION ABOVE CHAMBERS	3, 357, 4, 467, 5, 56, 57	N/A	NO COMPACTION REQUIRED
A	12" FOUNDATION STONE BELOW CHAMBERS	3, 357, 4, 467, 5, 56, 57	N/A	PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY.

PLEASE NOTE: THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE WASHED CRUSHED ANGULAR. FOR EXAMPLE, THE STONE MUST BE SPECIFIED AS WASHED, CRUSHED, ANGULAR NO. 4 STONE.

NOTES:

- SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



JELLYFISH DESIGN NOTES

JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANHOLE STYLE IS SHOWN. #48" MANHOLE JELLYFISH PEAK TREATMENT CAPACITY IS 0.45 CFS. IF THE SITE CONDITIONS EXCEED 0.45 CFS AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION	54"	40"	27"	15"
CARTRIDGE DEPTH	6'-5"	5'-3"	4'-2"	3'-2"
OUTLET INVERT TO STRUCTURE INVERT (A)	0.18 / 0.09	0.13 / 0.065	0.09 / 0.045	0.05 / 0.025
FLOW RATE HIGH-FLO / DRAINDOWN (cfs) (per cart)	2.11			
MAX. CARTS HIGH-FLO / DRAINDOWN				

GENERAL NOTES:

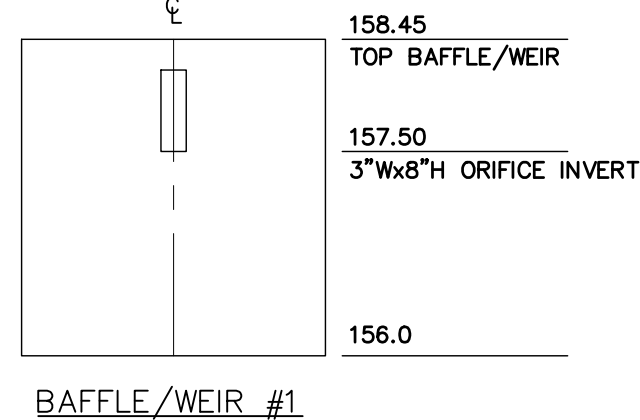
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. www.conteches.com
- JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET AASHTO HS-20 OR PER APPROVING JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0' - 3', AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M288 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
- STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.
- NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR WILL INSTALL AND LEVEL THE STRUCTURE, SEALING THE JOINTS, LINE ENTRY AND EXIT POINTS (NON-SHRINK GROUT WITH APPROVED WATERSTOP OR FLEXIBLE BOOT).
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
- CARTRIDGE INSTALLATION, BY CONTECH, SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE JELLYFISH UNIT IS CLEAN AND FREE OF DEBRIS. CONTACT CONTECH TO COORDINATE CARTRIDGE INSTALLATION WITH SITE STABILIZATION AT (866) 740-3316.

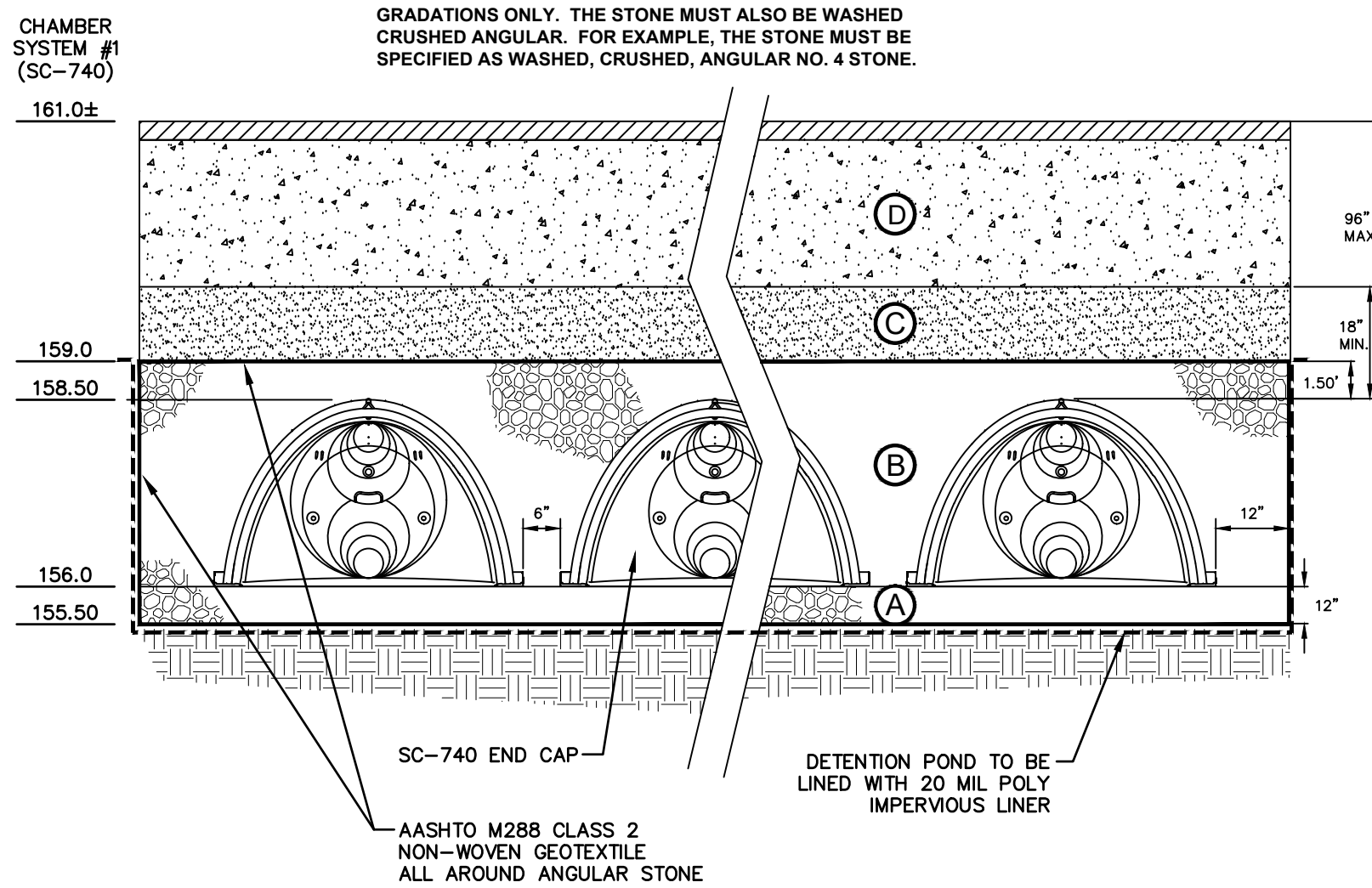
4' JELLYFISH FILTER

NOT TO SCALE



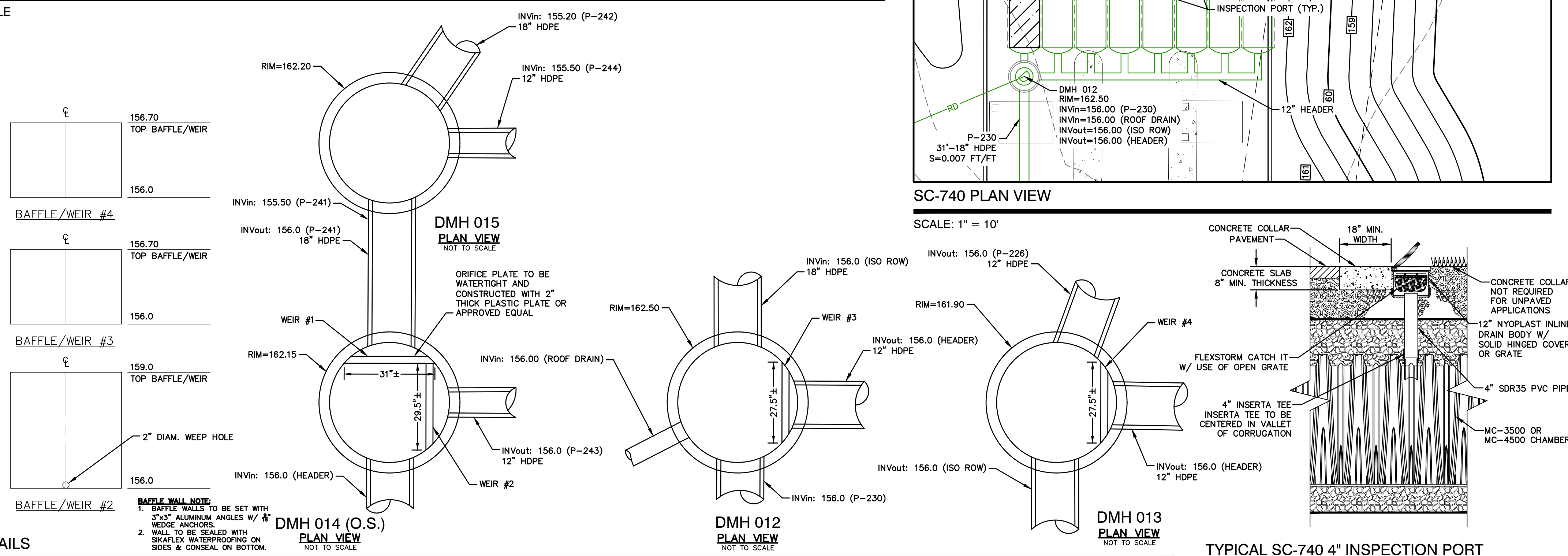
OUTLET STRUCTURE/DMH DETAILS

NOT TO SCALE



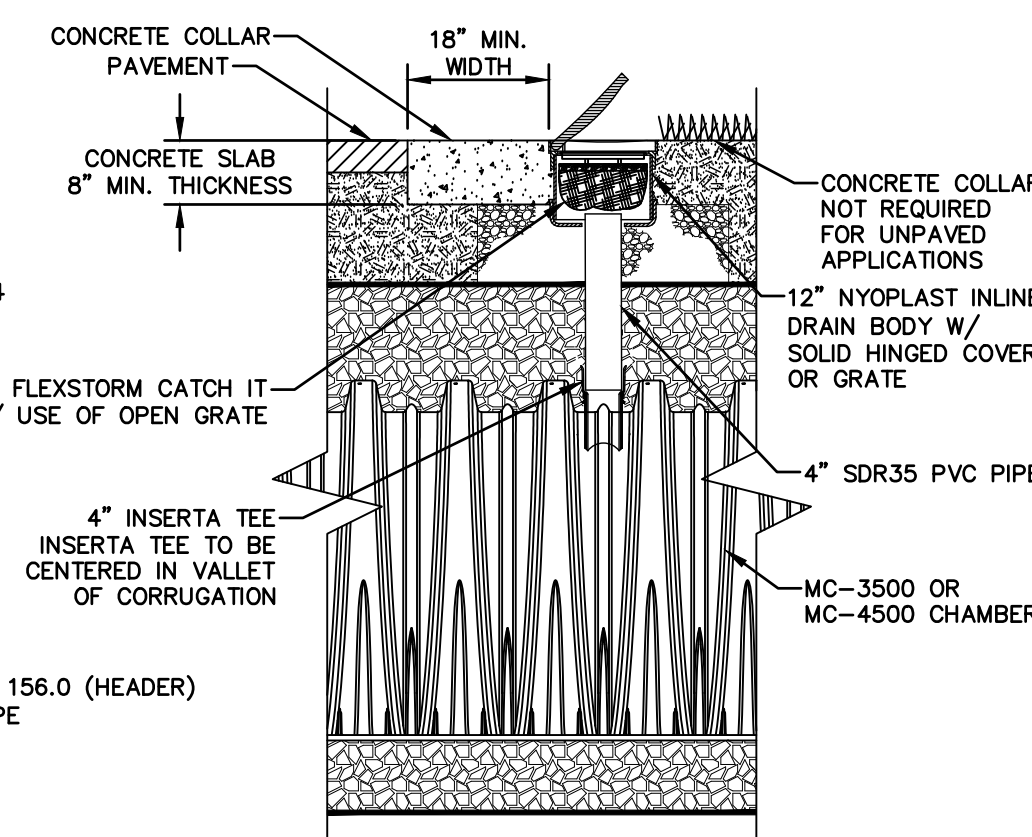
TYPICAL SC-740 CROSS-SECTION

NOT TO SCALE



SC-740 PLAN VIEW

SCALE: 1" = 10'



TYPICAL SC-740 4" INSPECTION PORT

NOT TO SCALE

APPROVED BY THE HUDSON, NH PLANNING BOARD

DATE OF MEETING: _____

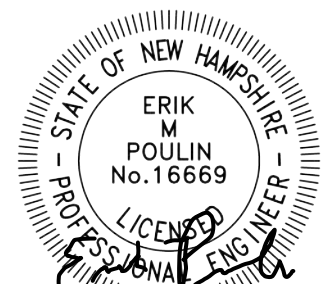
SIGNATURE DATE: _____

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Design: GAP	Draft: GDR	Date: 3/23/26
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		

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03/24/2026

REV.	DATE	REVISION	BY
6	03/23/26	MINOR REVISIONS PER INTERNAL REVIEW	GAP
5	02/10/26	REVISED PER NHDES AOT COMMENTS	GAP
4	01/26/26	REVISED PER NHFG COMMENTS	EMP
3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
REV.	DATE	REVISION	BY

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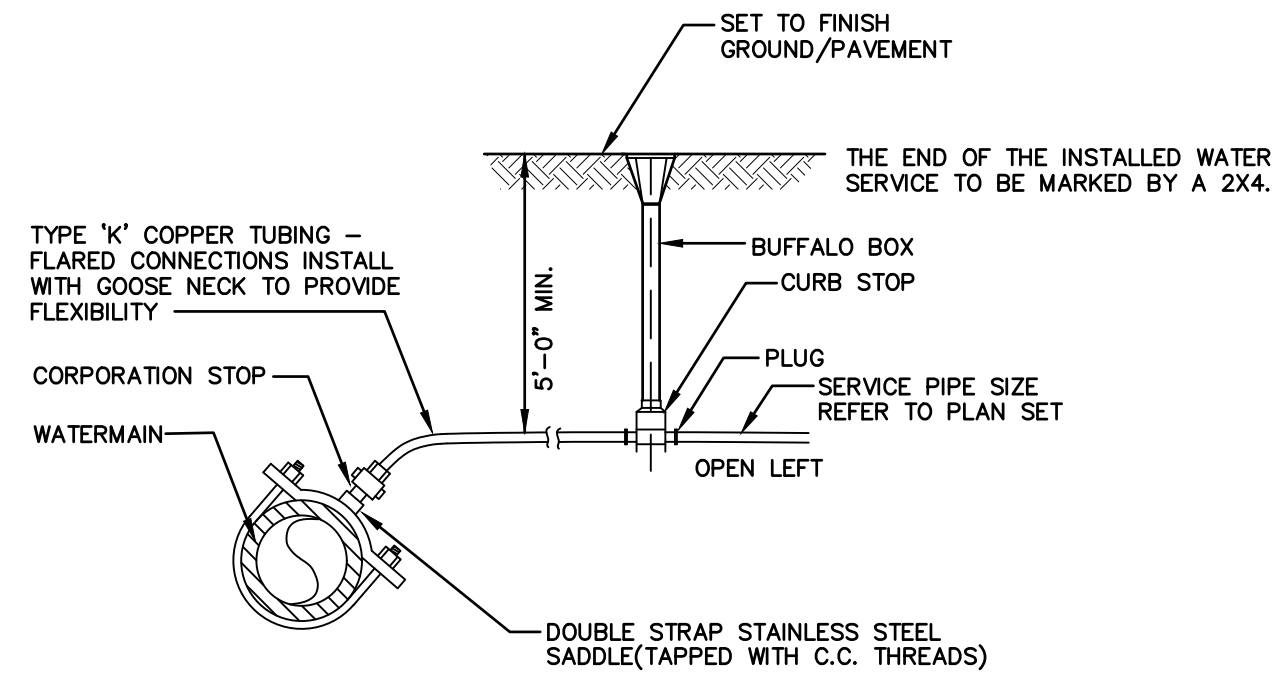
85 Portsmouth Ave. *Civil Engineering Services* 603-772-4746
PO Box 219
Stratham, NH 03885 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	DETAIL SHEET
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.

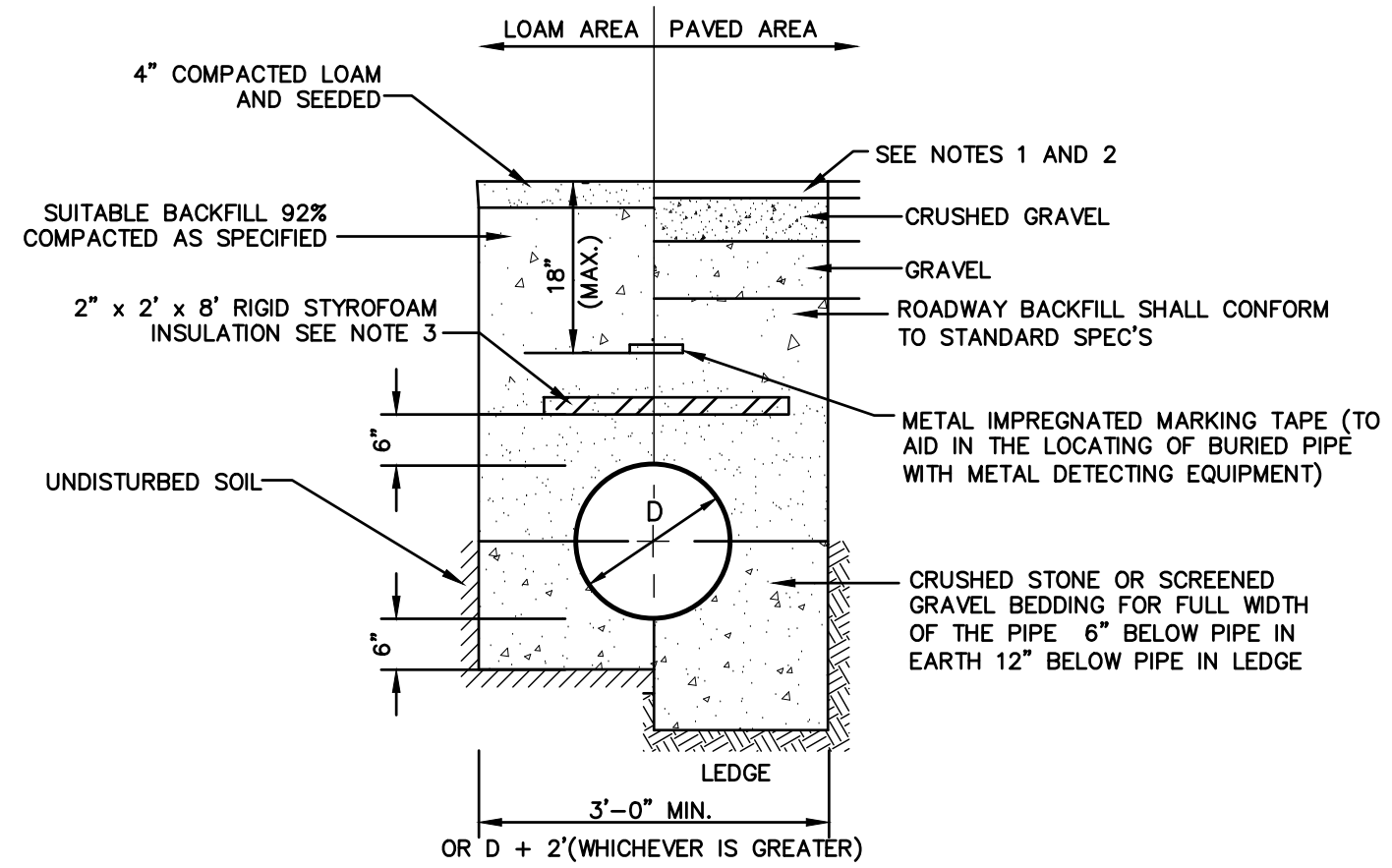
D4

SHEET 14 OF 21
JBE PROJECT NO. 25082



WATER SERVICE CONNECTION-COPPER PIPE

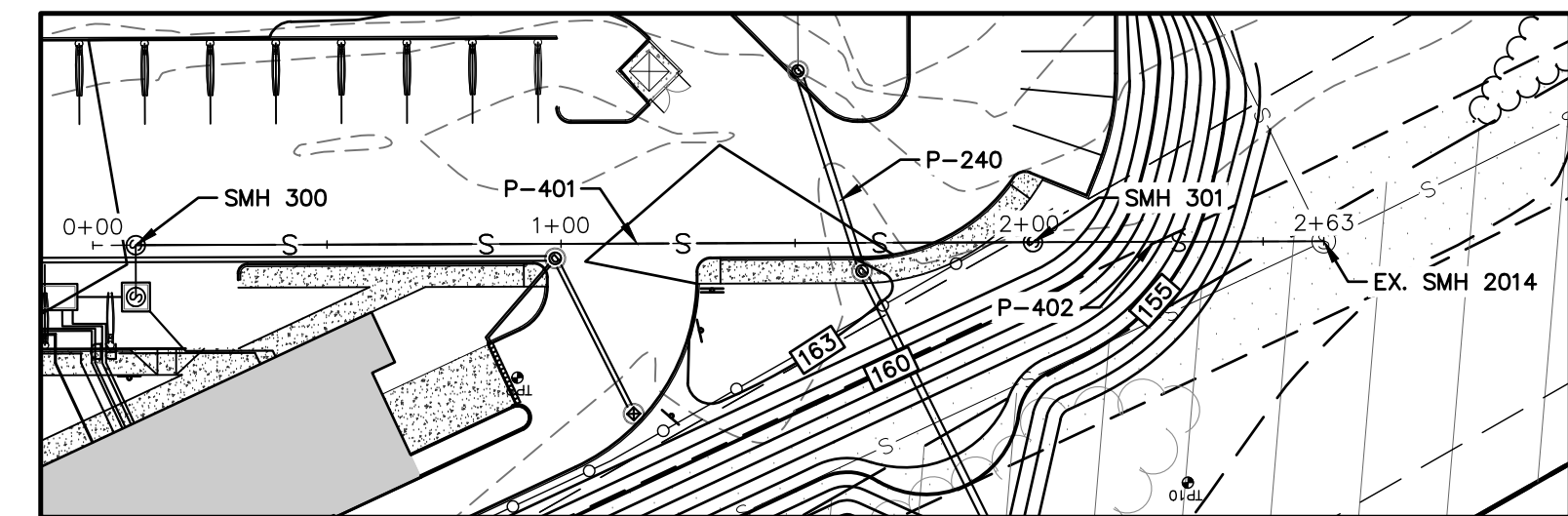
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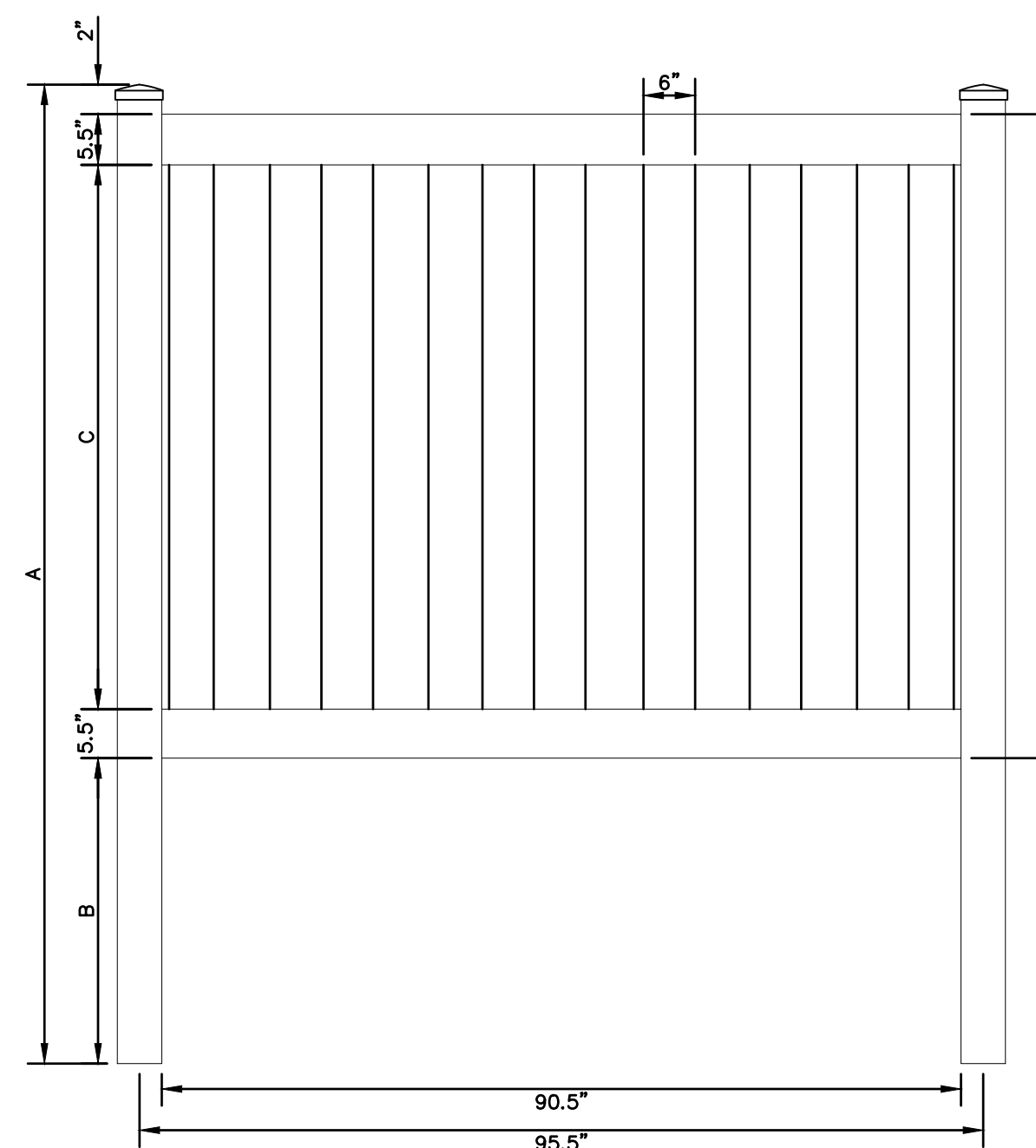
- NOTES:**
1. PAVEMENT REPAIR IN EXISTING ROADWAYS SHALL CONFORM TO STREET OPENING REGULATIONS.
 2. NEW ROADWAY CONSTRUCTION SHALL CONFORM TO SUBDIVISION SPEC'S.
 3. GAPS BETWEEN SECTIONS OF INSULATION TO BE COVERED WITH 2' x 2' x 2' PIECE OF INSULATION CENTERED OVER GAP.

SEWER TRENCH WITH INSULATION

NOT TO SCALE



SEWER CROSSING PROFILE (STA 0+00 - 2+63.3)



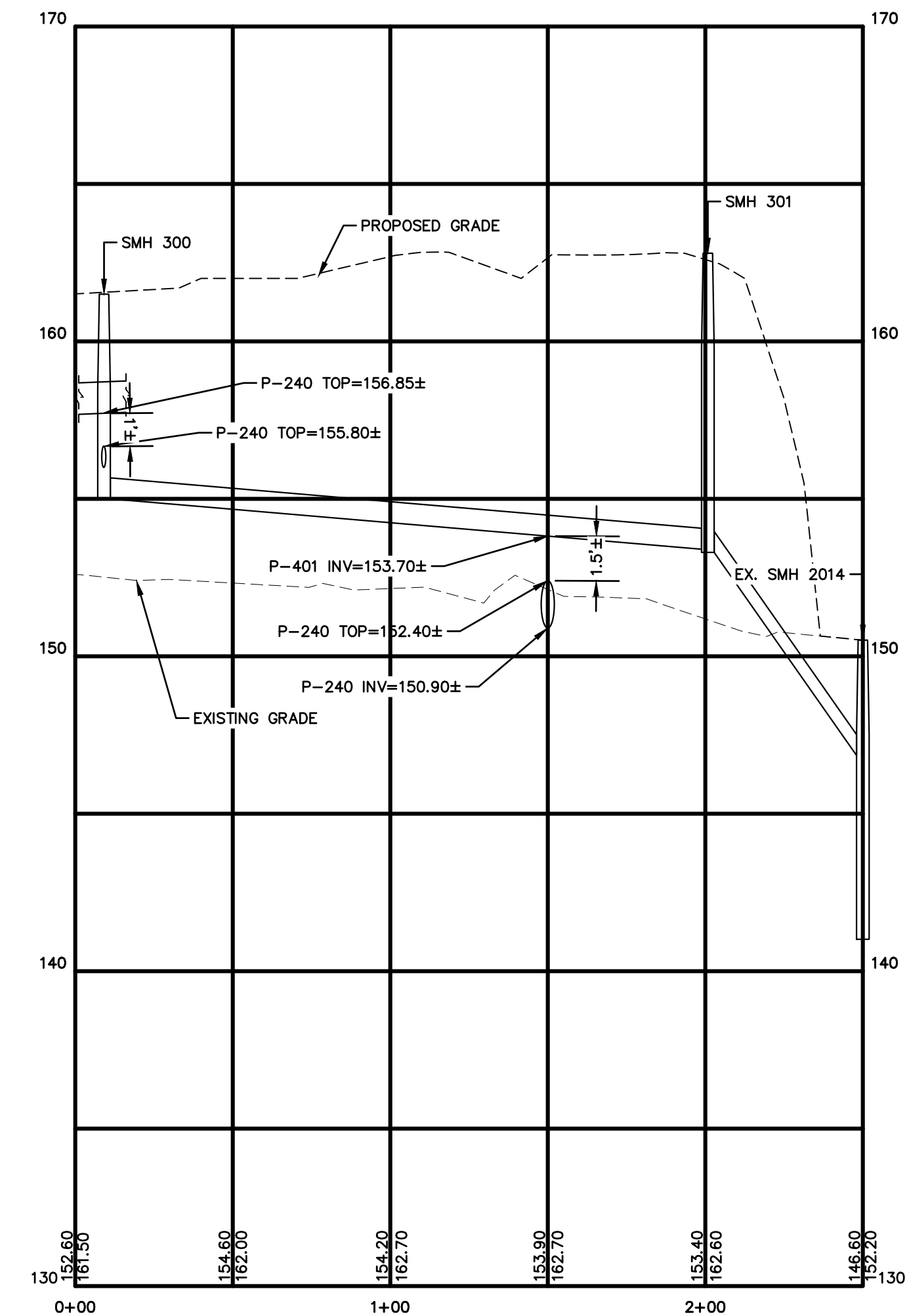
FRONT ELEVATION

A		B		C		D	
H(FT)	INCHES	H(FT)	INCHES	H(FT)	INCHES	H(FT)	INCHES
3	60	3	22	3	25	3	36
4	84	4	34	4	37	4	48
5	96	5	34	5	49	5	60
6	108	6	34	6	61	6	72

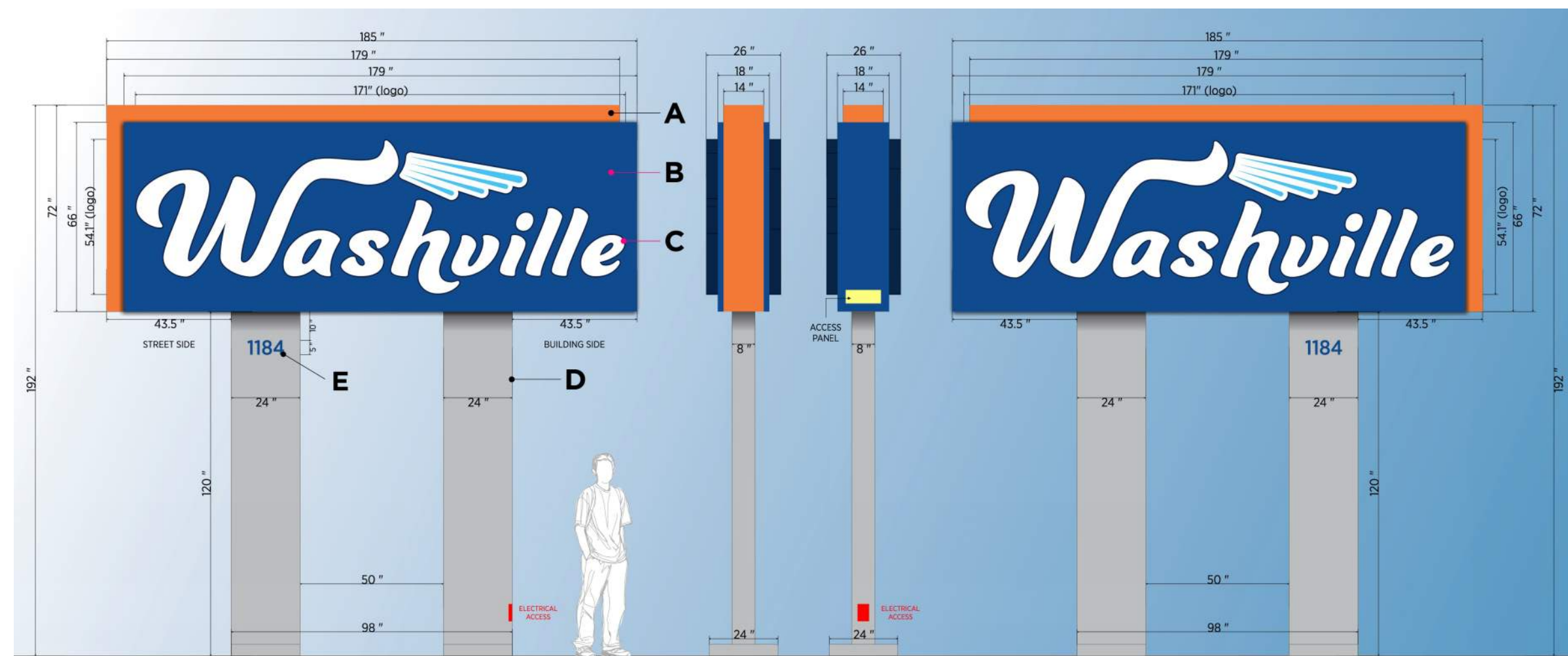
- NOTES:**
1. CONTRACTOR TO PROVIDE FENCE SPEC TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
 2. VINYL FENCE SHALL MEET ASTM F964-09 STANDARDS.

6' VINYL STOCKADE FENCE

NOT TO SCALE



SEWER CROSSING PROFILE (STA 0+00 - 2+23)



WASHVILLE MONUMENT SIGN (TYPICAL)

NOT TO SCALE

APPROVED BY THE HUDSON, NH PLANNING BOARD

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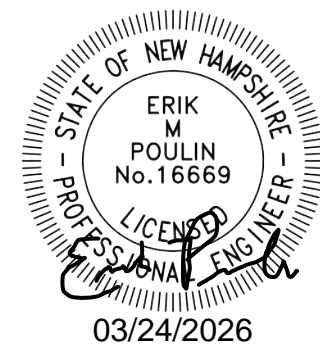
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Plan Name: **DETAIL SHEET**

Project: **WASHVILLE CAR WASH
9 MORGAN RD, HUDSON, NH**

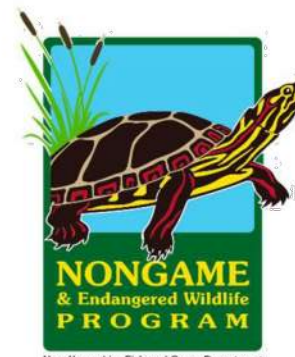
Owner of Record: **HUDSON ENTERPRISES, LLC
69 ATLANTIC AVE, NORTH HAMPTON, NH**

DRAWING No. **D5**

SHEET 15 OF 21
JBE PROJECT NO. 25082



NEW HAMPSHIRE
STATE ENDANGERED



EASTERN BOX TURTLE

Report Sightings: Contact Wildlife Biologist Josh Megyesy at (603) 271 – 1125 or the Wildlife Division at (603) 271 – 2461. Observation reports can be sent to RAARP@wildlife.nh.gov. Photographs and exact locations are strongly encouraged.



Specific Information:

- Adults are 4.5 – 7 inches long.
- Highly domed shell.
- Variable color patterning from dark brown to black shell with irregular yellow or orange markings.
- Primarily terrestrial using forests, fields, shrub lands, and wetland edges.
- Hibernates on land by digging down in soil.
- Frequently concealed by leaves and undergrowth and may not be easily visible.
- Turtles are most active from April 15 – October 15.
- During nesting season (May 15 – July 15) turtles are attracted to disturbed ground.



This species is protected under RSA 212-A and Fis 1000. Thank you for reporting any observations.

PLEASE DO NOT DISTURB OR HANDLE WILDLIFE

APPROVED BY THE HUDSON, NH PLANNING BOARD

DATE OF MEETING: _____

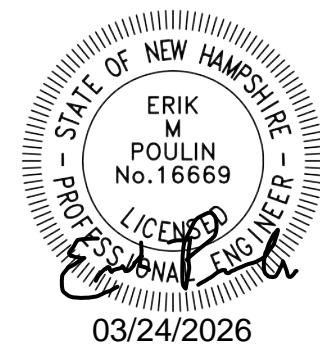
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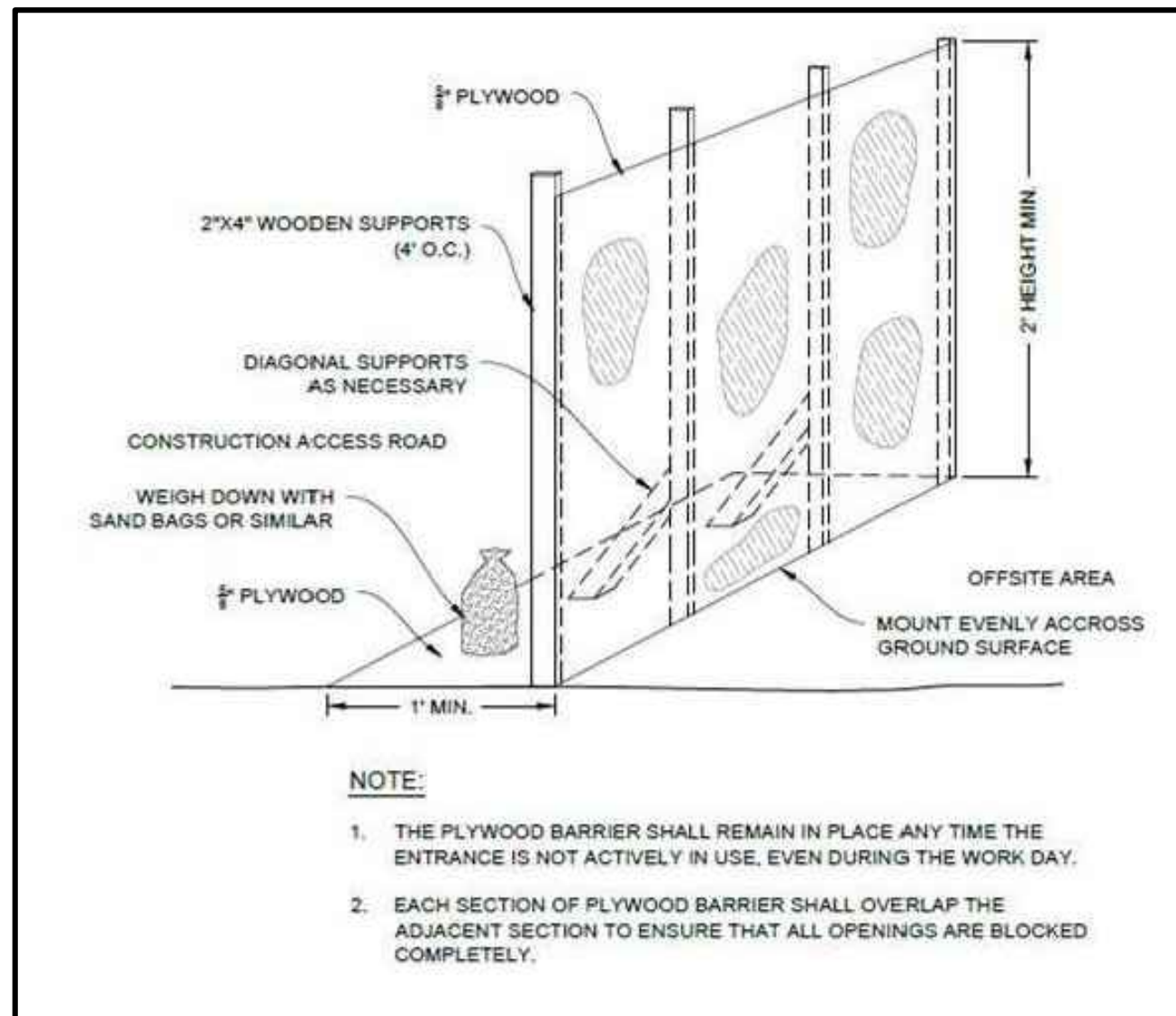
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DRAWING No.
D6
SHEET 16 OF 21
JBE PROJECT NO. 25082

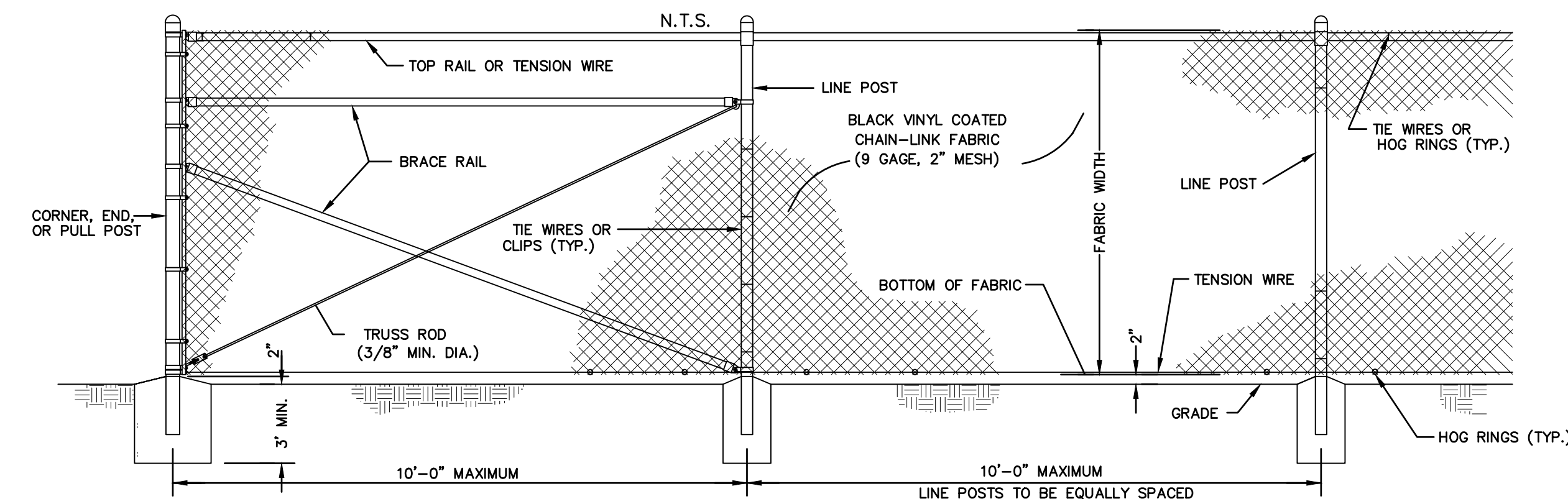


WILDLIFE EXCLUSIONARY BARRIER GATE

NOT TO SCALE

NHB24-2422 NEW HAMPSHIRE FISH AND GAME CONSERVATION MEASURES:

1. BLANDING'S TURTLE (STATE ENDANGERED) OCCUR WITHIN THE VICINITY OF THE PROJECT AREA. SPOTTED TURTLE (STATE THREATENED) ALSO VERY LIKELY OCCUR IN THE VICINITY DUE TO OVERLAPPING HABITAT USE AND DISTRIBUTION. ALL OPERATORS AND PERSONNEL WORKING ON OR ENTERING THE SITE SHALL BE MADE AWARE OF THE POTENTIAL PRESENCE OF THESE SPECIES AND SHALL BE PROVIDED FLYERS THAT HELP TO IDENTIFY THESE SPECIES, ALONG WITH NHFG CONTACT INFORMATION. SEE PLAN SHEET SHEET D7 INCLUDE ATTACHED FLYERS TO PLAN SHEET SET.
2. RARE SPECIES INFORMATION (E.G. IDENTIFICATION, OBSERVATION AND REPORTING OF OBSERVATIONS, WHEN TO CONTACT NHFG IMMEDIATELY AND NHFG CONTACT INFORMATION) SHALL BE COMMUNICATED DURING MORNING TAILGATE MEETINGS PRIOR TO WORK COMMENCEMENT DURING THE CONSTRUCTION PHASE OF THE PROJECT. SEE PLAN SHEET D7.
3. TURTLES MAY BE ATTRACTED TO DISTURBED GROUND DURING THE NESTING SEASON (MAY 15TH – JUNE 30TH). TURTLE NESTS ARE PROTECTED BY NH LAWS. IF A NEST IS OBSERVED OR SUSPECTED, OPERATORS SHALL CONTACT JOSH MEGYESY AT NHFG IMMEDIATELY FOR FURTHER CONSULTATION. SEE SPECIES FLYERS, SEE PLAN COVER SHEET FOR NHFG CONTACT INFORMATION.
 - a. THE NEST OR SUSPECTED NEST SHALL BE MARKED (SURROUNDING ROPED OFF OR CONE BUFFER DEPLOYED) AND AVOIDED; THIS SHALL BE COMMUNICATED TO ALL PERSONNEL ONSITE.
 - b. SITE ACTIVITIES SHALL NOT OCCUR IN THE AREA SURROUNDING THE NEST OR SUSPECTED NEST UNTIL FURTHER GUIDANCE IS PROVIDED BY NHFG.
4. FOR PROJECT ACTIVITIES OCCURRING BETWEEN APRIL 15TH AND OCTOBER 15TH, INSTALLATION OF A WILDLIFE EXCLUSIONARY BARRIER (E.G., SILT FENCE) SHALL BE INSTALLED AS FOLLOWS:
 - a. THE WILDLIFE EXCLUSIONARY BARRIER SHALL BE INSTALLED AROUND THE PERIMETER OF THE SITE PRIOR TO APRIL 15TH AND MAINTAINED BETWEEN APRIL 15TH AND OCTOBER 15TH THROUGHOUT THE LIFE OF THE ACTIVE PROJECT/CONSTRUCTION ACTIVITIES. IN AREAS WHERE EROSION CONTROL FENCING IS REQUIRED, EROSION CONTROL FENCING SHALL DOUBLE AS A WILDLIFE EXCLUSIONARY BARRIER. ONLY ONE ROW OF SILT FENCING SHALL BE INSTALLED AROUND THE PERIMETER OF THE SITE. PLEASE SEE THE ATTACHED FILE "WILDLIFE EXCLUSIONARY BARRIER GATE" FOR AN EXAMPLE OF A WILDLIFE EXCLUSIONARY BARRIER GATE THAT SHALL REMAIN CLOSED AT THE END OF THE WORK DAY. SEE PLAN SHEET D7.
 - b. THE WILDLIFE EXCLUSIONARY BARRIER SHALL BE BURIED TO A DEPTH OF NO LESS THAN 6-8" AND EXTEND NO LESS THAN 18" ABOVE EXISTING GRADE. SEE PLAN SHEET D7.
 - c. SILT FENCING SHALL NOT BE BACKED OR REINFORCED WITH WIRE FENCING. SEE PLAN SHEET E1.
 - d. THE WILDLIFE EXCLUSIONARY BARRIER SHALL BE INSPECTED DAILY FOR ANY DEFECTS AS WELL AS POSSIBLE TRAPPED WILDLIFE PRIOR TO SITE CONSTRUCTION ACTIVITIES. ANY DEFECTS SHALL BE REPAIRED IMMEDIATELY AND SHALL BE REPORTED TO NHFG WITHIN 24 HOURS OF DISCOVERY. THE SITE OPERATOR SHALL MAINTAIN A LOG OF ALL INSPECTIONS THAT INCLUDES DATE/TIME/OBSERVATIONS/DEFECTS/REPAIRS/COORDINATION EFFORTS/PHOTOGRAPHS DURING THE LIFE OF THE PERMIT OR UNTIL PROJECT COMPLETION, WHICHEVER OCCURS FIRST. THE LOGS SHALL BE MADE AVAILABLE IMMEDIATELY TO NHFG AND NHDES UPON WRITTEN REQUEST. SEE PLAN SHEET D7.
 - e. WILDLIFE ESCAPE MOUNDS ("RAMPS") SHALL BE INSTALLED ON THE INTERIOR OF THE WILDLIFE EXCLUSIONARY BARRIER ALLOWING FOR POTENTIALLY ENTRAPPED WILDLIFE TO ESCAPE FROM THE PROJECT AREA. RAMPS SHALL BE CONSTRUCTED ON THE WORK-ZONE SIDE OF THE WILDLIFE EXCLUSIONARY BARRIER. THE RAMPS SHALL BE CONSTRUCTED OUT OF NATIVE MATERIAL (SAND/SOIL) FROM THE SITE AND SHALL BE AT A MINIMUM OF 3 FEET IN WIDTH. ADDITIONAL TALL STAKES SHALL BE INSTALLED IN THE LOCATION OF THESE RAMPS TO HELP SUPPORT THE SILT FENCING AS NEEDED. MATERIALS SUCH AS HAY OR MULCH MAY BE USED TO OFFSET WEIGHT AS LONG AS MATERIALS DO NOT ASSIST ANIMALS IN ENTERING WORK ZONE. WILDLIFE ESCAPE MOUNDS SHALL BE INSTALLED AT LEAST EVERY 75 FEET ALONG THE WILDLIFE EXCLUSIONARY BARRIER AND SHALL ONLY BE INSTALLED ON SIDES OF THE FENCE THAT DO NOT BORDER ROADS. PLEASE SEE THE ATTACHED FILE "WILDLIFE RAMP" FOR AN EXAMPLE OF A WILDLIFE ESCAPE MOUND. SEE PLAN SHEET D7.
5. NHFG SHALL BE INFORMED IN WRITING WHEN WILDLIFE EXCLUSIONARY BARRIER INSTALLATION HAS BEEN COMPLETED. SEE PLAN SHEET D7.
6. A NATIVE SEED MIXTURE SHALL BE APPLIED TO AREAS AFFECTED BY CONSTRUCTION. THE SEED MIXTURE SHALL NOT CONTAIN CROWN VETCH OR BIRD'S-FOOT TREFLOIL. SEE PLAN SHEET E1.
6. CATCH BASINS AND OUTLET CONTROL STRUCTURES SHALL NOT CONTAIN SUMPS AND HAVE GRATE OPENINGS NO LARGER THAN 2' X 2'. SEE PLAN SHEET D2.
7. OUTLET CONTROL STRUCTURES SHALL NOT BE PLACED ADJACENT TO THE SIDE SLOPES BUT RATHER AS FAR AWAY AS POSSIBLE TO DETER WILDLIFE FROM CRAWLING ONTO THEM AND FALLING THROUGH THE GRATE OPENINGS. THESE STRUCTURES SHALL BE A MINIMUM OF 12'-18" ABOVE GRADE. SEE PLAN SHEET D4 – D5.
8. RIP-RAP SHALL BE FILLED WITH FINER MATERIAL (I.E., NATIVE WETLAND MATERIAL, NATIVE WETLAND SEED MIX, OR GRAVEL IN BETWEEN RIP-RAP) TO CREATE A RELATIVELY SMOOTH SURFACE FOR WILDLIFE TO TRAVERSE. SEE PLAN SHEET C3.
9. ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, WITH THE EXCEPTION OF TURF REINFORCEMENT MATS, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES. SEE PLAN SHEET(S) D6,D7, & E1.
10. ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES ON THE PROJECT SITE SHALL BE REPORTED IMMEDIATELY TO THE NHFG NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV, WITH THE EMAIL SUBJECT LINE CONTAINING THE NHB DATACHECK TOOL RESULTS LETTER ASSIGNED NUMBER, THE PROJECT NAME, AND THE TERM WILDLIFE SPECIES OBSERVATION.
 - a. PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHFG IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION, AS FEASIBLE.
11. IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHFG AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHFG.
 - a. SITE OPERATORS SHALL BE ALLOWED TO RELOCATE WILDLIFE ENCOUNTERED IF DISCOVERED WITHIN THE ACTIVE WORK ZONE IF IN DIRECT HARM FROM PROJECT ACTIVITIES.
 - b. WILDLIFE SHALL BE RELOCATED IN CLOSE PROXIMITY TO THE CAPTURE LOCATION BUT OUTSIDE OF THE WORK ZONE AND IN THE DIRECTION THE INDIVIDUAL WAS HEADING.
 - c. NHFG SHALL BE CONTACTED IMMEDIATELY IF THIS ACTION OCCURS.
12. NHFG, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.



4' HIGH BLACK VINYL CHAIN-LINK FENCE

NOT TO SCALE

TEMPORARY EROSION CONTROL NOTES

- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME. AT NO TIME SHALL AN AREA IN EXCESS OF 5 ACRES BE EXPOSED AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
- ALL DISTURBED AREAS (INCLUDING POND AREAS BELOW THE PROPOSED WATERLINE) SHALL BE RETURNED TO PROPOSED GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 6" OF SCREENED ORGANIC LOAM AND SEEDED WITH SEED MIXTURE 'C' AT A RATE NOT LESS THAN 1.10 POUNDS OF SEED PER 1,000 S.F. OF AREA (48 LBS. / ACRE).
- SILT FENCES AND OTHER BARRIERS SHALL BE INSPECTED EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 0.5" OR GREATER. ALL DAMAGED AREAS SHALL BE REPAIRED, AND SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
- AREAS MUST BE SEEDD AND MULCHED OR OTHERWISE PERMANENTLY STABILIZED WITHIN 3 DAYS OF FINAL GRADING, OR TEMPORARILY STABILIZED WITHIN 14 DAYS OF THE INITIAL DISTURBANCE OF SOIL. ALL AREAS SHALL BE STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE.
- ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING NORTH AMERICAN GREEN S75 EROSION CONTROL BLANKETS (OR AN EQUIVALENT APPROVED IN WRITING BY THE ENGINEER) ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
- AFTER OCTOBER 15th, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3" OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED; OR
 - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- FUGITIVE DUST CONTROL IS REQUIRED TO BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000, AND THE PROJECT IS TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR'S NAME, ADDRESS, AND PHONE NUMBER SHALL BE SUBMITTED TO DES VIA EMAIL (SEE BELOW).
- PRIOR TO CONSTRUCTION, A PHASING PLAN THAT DELINEATES EACH PHASE OF THE PROJECT SHALL BE SUBMITTED. ALL TEMPORARY SEDIMENT BASINS THAT WILL BE NEEDED FOR DEWATERING WORK AREAS SHALL BE LOCATED AND IDENTIFIED ON THIS PLAN.
- IN ORDER TO ENSURE THE STABILITY OF THE SITE AND EFFECTIVE IMPLEMENTATION OF THE SEDIMENT AND EROSION CONTROL MEASURES SPECIFIED IN THE PLANS FOR THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL BE IN STRICT COMPLIANCE WITH THE FOLLOWING INSPECTION AND MAINTENANCE REQUIREMENTS IN ADDITION TO THOSE CALLED FOR IN THE SWPPP:
 - A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL OR A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW HAMPSHIRE ("MONITOR") SHALL BE EMPLOYED TO INSPECT THE SITE FROM THE START OF ALTERATION OF TERRAIN ACTIVITIES UNTIL THE SITE IS IN FULL COMPLIANCE WITH THE SITE SPECIFIC PERMIT ("PERMIT").
 - DURING THIS PERIOD, THE MONITOR SHALL INSPECT THE SUBJECT SITE AT LEAST ONCE A WEEK, AND IF POSSIBLE, DURING ANY 1/2 INCH OR GREATER RAIN EVENT (I.E. 1/2 INCH OF PRECIPITATION OR MORE WITHIN A 24 HOUR PERIOD). IF UNABLE TO BE PRESENT DURING SUCH A STORM, THE MONITOR SHALL INSPECT THE SITE WITHIN 24 HOURS OF THIS EVENT.
 - THE MONITOR SHALL PROVIDE TECHNICAL ASSISTANCE AND RECOMMENDATIONS TO THE CONTRACTOR ON THE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROLS REQUIRED TO MEET THE REQUIREMENTS OF RSA 485 A:17 AND ALL APPLICABLE DES PERMIT CONDITIONS.
 - WITHIN 24 HOURS OF EACH INSPECTION, THE MONITOR SHALL SUBMIT A REPORT TO DES VIA EMAIL (RIDGELY MAUCK AT: RIDGELY.MAUCK@DES.NH.GOV).
 - THE MONITOR SHALL MEET WITH DES TO DECIDE UPON A REPORT FORMAT. THE REPORT FORMAT SHALL BE REVIEWED AND APPROVED BY DES PRIOR TO THE START OF CONSTRUCTION.
- AN APPROVED EQUAL TO THE EROSION BLANKET MATERIAL SPECIFIED MUST BE ALL-NATURAL MATERIAL WITH NO PHOTO-BIODEGRADABLE CONTENT AND SHALL NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING OF GREATER THAN 1/8" INCHES.

SEEDING SPECIFICATIONS

- GRADING AND SHAPING**
 - SLOPES SHALL NOT BE STEEPER THAN 2:1 WITHOUT APPROPRIATE EROSION CONTROL MEASURES AS SPECIFIED ON THE PLANS (3:1 SLOPES OR FLATTER ARE PREFERRED).
 - WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION**
 - SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEEDBED AND FERTILIZER AND LIME MIXED INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
- ESTABLISHING A STAND**
 - LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. TYPES AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
 - AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ.FT.
 - NITROGEN(N), 50 LBS. PER ACRE OR 1.1 LBS. PER 1,000 SQ.FT.
 - PHOSPHATE(P2O5), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ.FT.
 - POTASH(K2O), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ.FT.
 (NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10.)
 - SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
 - REFER TO THE "SEEDING GUIDE" AND "SEEDING RATES" TABLES ON THIS SHEET FOR APPROPRIATE SEED MIXTURES AND RATES OF SEEDING. ALL LEGUMES (CROWNVETCH, BIRDSFOOT, TREFOL AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT PRIOR TO THEIR INTRODUCTION TO THE SITE.
 - WHERE SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20th OR FROM AUGUST 10th TO SEPTEMBER 1st.
- MULCH**
 - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90 LBS PER 1000 S.F.
- MAINTENANCE TO ESTABLISH A STAND**
 - PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 - FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED.
 - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, ANNUAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

USE	SEEDING MIXTURE 1/	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	FAIR
	C	POOR	GOOD	EXCELLENT	GOOD
	D	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER.	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	EXCELLENT	FAIR
	C	GOOD	EXCELLENT	EXCELLENT	POOR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES.	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	EXCELLENT	EXCELLENT	FAIR
	C	GOOD	EXCELLENT	EXCELLENT	POOR
PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.)	E	FAIR	EXCELLENT	EXCELLENT	2/
	F	FAIR	EXCELLENT	EXCELLENT	2/
GRAVEL PIT, SEE NH-PM-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.					

1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE BELOW.
2/ POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

NOTE: TEMPORARY SEED MIX FOR STABILIZATION OF TURF SHALL BE WINTER RYE OR OATS AT A RATE OF 2.5 LBS. PER 1000 S.F. AND SHALL BE PLACED PRIOR TO OCTOBER 15th, IF PERMANENT SEEDING NOT YET COMPLETE.

SEEDING GUIDE

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 Sq. Ft.
A. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
RED TOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
CROWN VETCH	15	0.35
OR		
FLAT PEA	30	0.75
TOTAL	40 OR 55	0.95 OR 1.35
C. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
BIRDS FOOT TREFOL	8	0.20
TOTAL	48	1.10
D. TALL FESCUE	20	0.45
FLAT PEA	50	1.25
TOTAL	50	1.20
E. CREeping RED FESCUE 1/	50	1.15
KENTUCKY BLUEGRASS 1/	50	1.15
TOTAL	100	2.30
F. TALL FESCUE 1	150	3.60

1/ FOR HEAVY USE ATHLETIC FIELDS CONSULT THE UNIVERSITY OF NEW HAMPSHIRE COOPERATIVE EXTENSION TURF SPECIALIST FOR CURRENT VARIETIES AND SEEDING RATES.

SEEDING RATES

REV.	DATE	REVISION	BY
6	03/23/26	MINOR REVISIONS PER INTERNAL REVIEW	GAP
5	02/10/26	REVISED PER NHDES AOT COMMENTS	GAP
4	01/26/26	REVISED PER NHFG COMMENTS	EMP
3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
		REVISION	BY

CONSTRUCTION SEQUENCE

- PRIOR TO THE START OF ANY ACTIVITY, IT IS THE RESPONSIBILITY OF THE SITE'S SITE DEVELOPER (OR OWNER) TO FILE A NOTICE OF INTENT (NOI) FORM WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) IN ORDER TO GAIN COVERAGE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. A PRE CONSTRUCTION MEETING IS TO BE HELD WITH ALL DEPARTMENT HEADS PRIOR TO THE START OF CONSTRUCTION.
- WETLAND BOUNDARIES ARE TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION. AT LEAST A TEMPORARY CULVERT OR ROADBED TO BE IN PLACE PRIOR TO THE START OF CONSTRUCTION.
- INSTALL SILT FENCING OR ORGANIC FILTER BERM AND CONSTRUCTION ENTRANCES PRIOR TO THE START OF CONSTRUCTION. THESE ARE TO BE MAINTAINED UNTIL THE FINAL PAVEMENT SURFACING AND LANDSCAPING AREAS ARE ESTABLISHED.
- CONSTRUCT AND/OR INSTALL TEMPORARY OR PERMANENT SEDIMENT AND/OR DETENTION BASIN(S) AS REQUIRED. THESE FACILITIES SHALL BE INSTALLED AND STABILIZED (PER REQUIREMENTS OF NHDES ENV-WQ 1502.61) PRIOR TO DIRECTING RUN-OFF TO THEM.
- STRIP LOAM AND PAVEMENT, OR RECLAIM EXISTING PAVEMENT WITHIN LIMITS OF WORK PER THE RECOMMENDATIONS OF THE PROJECT ENGINEER AND STOCKPILE EXCESS MATERIAL. STABILIZE (PER REQUIREMENTS OF NHDES ENV-WQ 1502.61) STOCKPILE AS NECESSARY.
- PERFORM PRELIMINARY SITE GRADING IN ACCORDANCE WITH THE PLANS.
- PREPARE BUILDING PAD(S) TO ENABLE BUILDING CONSTRUCTION TO BEGIN.
- INSTALL THE SEWER AND DRAINAGE SYSTEMS FIRST, THEN ANY OTHER UTILITIES IN ACCORDANCE WITH THE PLAN AND DETAILS. ANY CONFLICTS BETWEEN UTILITIES ARE TO BE RESOLVED WITH THE INVOLVEMENT AND APPROVAL OF THE ENGINEER.
- INSTALL INLET PROTECTION AT ALL CATCH BASINS AS THEY ARE CONSTRUCTED IN ACCORDANCE WITH DETAILS.
- ALL SWALES AND DRAINAGE STRUCTURES ARE TO BE CONSTRUCTED AND STABILIZED (PER REQUIREMENTS OF NHDES ENV-WQ 1502.61) PRIOR TO HAVING RUN-OFF DIRECTED TO THEM.
- DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINAGE DITCHES, CHECK DAMS, SEDIMENT TRAPS, ETC., TO PREVENT EROSION ON THE SITE AND PREVENT ANY SILTATION OF ABUTTING WATERS AND/OR PROPERTY.
- PERFORM FINAL FINE GRADING, INCLUDING PLACEMENT OF "SELECT" SUBGRADE MATERIALS.
- PAVE ALL PARKING LOTS AND ROADWAYS WITH INITIAL 'BASE COURSE'.
- PERFORM ALL REMAINING SITE CONSTRUCTION (I.E. BUILDING, CURBING, UTILITY CONNECTIONS, ETC.).
- LOAM AND SEED ALL DISTURBED AREAS AND INSTALL ANY REQUIRED SEDIMENT AND EROSION CONTROL FACILITIES.
- FINISH PAVING ALL ROADWAYS AND PARKING AREAS WITH 'FINISH' COURSE.
- ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED (PER REQUIREMENTS OF NHDES ENV-WQ 1502.61) WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- ALL CUT AND FILL SLOPES SHALL BE SEEDD/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE BEEN 75%-85% ESTABLISHED AND SITE IMPROVEMENTS ARE COMPLETE. SMOOTH AND RE-VEGETATE ALL DISTURBED AREAS.
- CLEAN SITE AND ALL DRAINAGE STRUCTURES, PIPES AND SUMPS OF ALL SILT AND DEBRIS.
- INSTALL ALL PAINTED PAVEMENT MARKINGS AND SIGNAGE PER THE PLANS AND DETAILS.
- ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ANY RELEVANT PERMITTING AGENCIES THAT THE CONSTRUCTION HAS BEEN FINISHED IN A SATISFACTORY MANNER.

WINTER WEATHER STABILIZATION

GENERAL DESCRIPTION

- A PROJECT INVOLVING CONSTRUCTION ACTIVITY EXTENDING BEYOND ONE CONSTRUCTION SEASON WILL REQUIRE MEASURES TO STABILIZE THE SITE FOR THE OVER-WINTER PERIOD. IF A CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, A ROAD GRAVEL BASE, 85 PERCENT MATURE VEGETATION COVER, OR RIPRAP BY OCTOBER 15, THEN THE SITE MUST BE PROTECTED WITH OVER-WINTER STABILIZATION. THE WINTER CONSTRUCTION PERIOD IS FROM OCTOBER 15 THROUGH MAY 1.
- CONSIDERATIONS WINTER EXCAVATION AND EARTHWORK ACTIVITIES NEED TO BE LIMITED IN EXTENT AND DURATION, TO MINIMIZE POTENTIAL EROSION AND SEDIMENTATION IMPACTS. THE FOLLOWING CONSIDERATIONS ARE IMPORTANT FOR WINTER WEATHER STABILIZATION:
 - NO MORE THAN ONE ACRE OF THE SITE SHOULD BE EXPOSED (WITHOUT STABILIZATION) AT ANY ONE TIME. GENERALLY, THE EXPOSED AREA SHOULD BE LIMITED TO ONLY THOSE AREAS IN WHICH WORK WILL OCCUR DURING THE FOLLOWING 15 DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW OR RAINFALL EVENT.
 - SUBSEQUENT WORK AREAS SHOULD NOT BE EXPOSED UNTIL THE PREVIOUSLY EXPOSED WORK AREA HAS BEEN FULLY STABILIZED.
 - AN AREA IS CONSIDERED "EXPOSED" UNTIL STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MIX, EROSION CONTROL MATS, OR RIPRAP (OR GRAVEL BASE ON A ROAD OR PARKING AREA).
 - ALL EROSION AND SEDIMENT CONTROL MEASURES INSTALLED FOR THE PROJECT SHOULD HAVE ROUTINE MAINTENANCE AND CLEANING COMPLETED PRIOR TO WINTER WORK BY OCTOBER 15. THESE SHOULD BE INSPECTED AND REPAIRED AS NEEDED IN PREPARATION FOR THE WINTER SEASON. TEMPORARY EMBANKMENTS SHOULD BE FULLY VEGETATED OR OTHERWISE STABILIZED BY ACCEPTED METHODS.

MAINTENANCE REQUIREMENTS

- ALL EASC MEASURES SHOULD BE INSPECTED AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF ANY STORM EVENT EXCEEDING 1/4-INCH IN A 24-HOUR PERIOD, OR AS STIPULATED BY THE APPLICABLE PERMITS. REPAIRS SHOULD BE MADE AS NECESSARY.
- INSPECTION AND MAINTENANCE MEASURES SHOULD CONTINUE AS NEEDED THROUGHOUT CONSTRUCTION, INCLUDING THE OVER-WINTER PERIOD, AFTER EACH SNOWSTORM OR PERIOD OF THAWING AND STORMWATER RUNOFF.
- FOR ANY AREA STABILIZED BY TEMPORARY OR PERMANENT SEEDING PRIOR TO THE ONSET OF THE WINTER SEASON, THE CONTRACTOR SHOULD CONDUCT AN INSPECTION IN THE SPRING TO ASCERTAIN THE CONDITION OF VEGETATION COVER, AND REPAIR ANY DAMAGE AREAS OR BARE SPOTS AND RESEED AS REQUIRED TO ACHIEVE AN ESTABLISHED VEGETATIVE COVER (AT LEAST 85 PERCENT OF AREA VEGETATED WITH HEALTHY, VIGOROUS GROWTH).
- SEE CHAPTER 6 FOR GENERAL INFORMATION ON INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL (EASC) MEASURES (E.G., INSPECTION FREQUENCY, CORRECTIVE ACTIONS, DOCUMENTATION REQUIREMENTS, ETC.). TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING STORMWATER RUNOFF, THE FOLLOWING STABILIZATION TECHNIQUES SHOULD BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1:

BEFORE WINTER:

- STABILIZATION AS FOLLOWS SHOULD BE COMPLETED WITHIN A DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15 PERCENT WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHOULD BE SEEDD AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A MINIMUM 4-INCH THICKNESS OF EROSION CONTROL MIX, UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. NOTE THAT EROSION CONTROL BLANKETS, WITH COMPOST, SHOULD NOT EXCEED 2 INCHES IN THICKNESS OR THEY MAY OVERHEAT.
- ALL STONE-COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY OCTOBER 15.
- STOCKPILES OF SOIL MATERIALS SHOULD BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR WITH A 4-INCH LAYER OF EROSION CONTROL MIX. MULCHING SHOULD BE DONE WITHIN 24 HOURS OF STOCKING, AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. NO SOIL STOCKPILE SHOULD BE PLACED (EVEN COVERED WITH MULCH) WITHIN 100 FEET FROM ANY WETLAND OR OTHER WATER RESOURCE AREA.
- INSTALLATION OF EROSION CONTROL BLANKETS SHOULD NOT OCCUR OVER SNOW OF GREATER THAN 1-INCH IN DEPTH OR ON FROZEN GROUND.
- ALL GRASS-LINED DITCHES, SWALES, AND CHANNELS SHOULD BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. ALL DITCHES, SWALES, OR CHANNELS WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHOULD BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY A QUALIFIED PROFESSIONAL ENGINEER OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL AS CERTIFIED BY THE CSPESC COUNCIL OF ENVROCERT INTERNATIONAL, INC. IF A STONE LINING IS NECESSARY, THE CONTRACTOR MAY NEED TO RE-GRADE THE DITCH, SWALE, OR CHANNEL AS REQUIRED TO PROVIDE ADEQUATE CROSS-SECTION AFTER ALLOWING FOR PLACEMENT OF THE STONE.
- ALL STONE-LINED DITCHES, SWALES, AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY OCTOBER 15.

DURING WINTER:

- THE AREA OF EXPOSED, UNSTABILIZED SOIL SHOULD BE LIMITED TO ONE ACRE AND SHOULD BE PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT. SUBJECT TO APPLICABLE REGULATIONS, THE ALLOWABLE AREA OF EXPOSED SOIL MAY BE INCREASED IF ACTIVITIES ARE CONDUCTED ACCORDING TO A WINTER CONSTRUCTION PLAN, DEVELOPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW HAMPSHIRE OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL AS CERTIFIED BY THE CSPESC COUNCIL OF ENVROCERT INTERNATIONAL, INC.
- INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX SHOULD NOT OCCUR OVER SNOW OF GREATER THAN 1-INCH IN DEPTH OR ON FROZEN GROUND.
- ALL MULCH APPLIED DURING WINTER SHOULD BE ANCHORED (E.G., BY NETTING, TRACKING, WOOD CELLULOSE FIBER).
- FROZEN MATERIALS, (E.G., FROST LAYER THAT IS REMOVED DURING WINTER CONSTRUCTION), SHOULD BE STOCKPILED SEPARATELY AND IN A LOCATION THAT IS AWAY FROM ANY AREA NEEDING TO BE PROTECTED. STOCKPILES OF FROZEN MATERIAL CAN MELT IN THE SPRING AND BECOME UNWORKABLE AND DIFFICULT TO TRANSPORT DUE TO THE HIGH MOISTURE CONTENT IN THE SOIL.
- AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHOULD BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADUATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION TABLE 304-1, ITEM NO. 304.1, 304.2, OR 304.3.
- SEDIMENT BARRIERS THAT ARE INSTALLED DURING FROZEN CONDITIONS SHOULD CONSIST OF EROSION CONTROL MIX BERMS, OR CONTINUOUS CONTAINED BERMS. SILT FENCES AND HAY BALES SHOULD NOT BE INSTALLED WHEN FROZEN CONDITIONS PREVENT PROPER EMBEDMENT OF THESE BARRIERS.

APPROVED BY THE HUDSON, NH PLANNING BOARD

DATE OF MEETING: _____

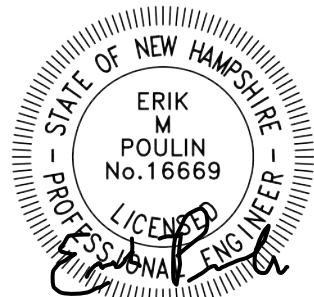
SIGNATURE DATE: _____

SIGNATURE DATE: _____

SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

Design: GAP	Draft: GDR	Date: 3/23/26
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		

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03/24/2026

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885

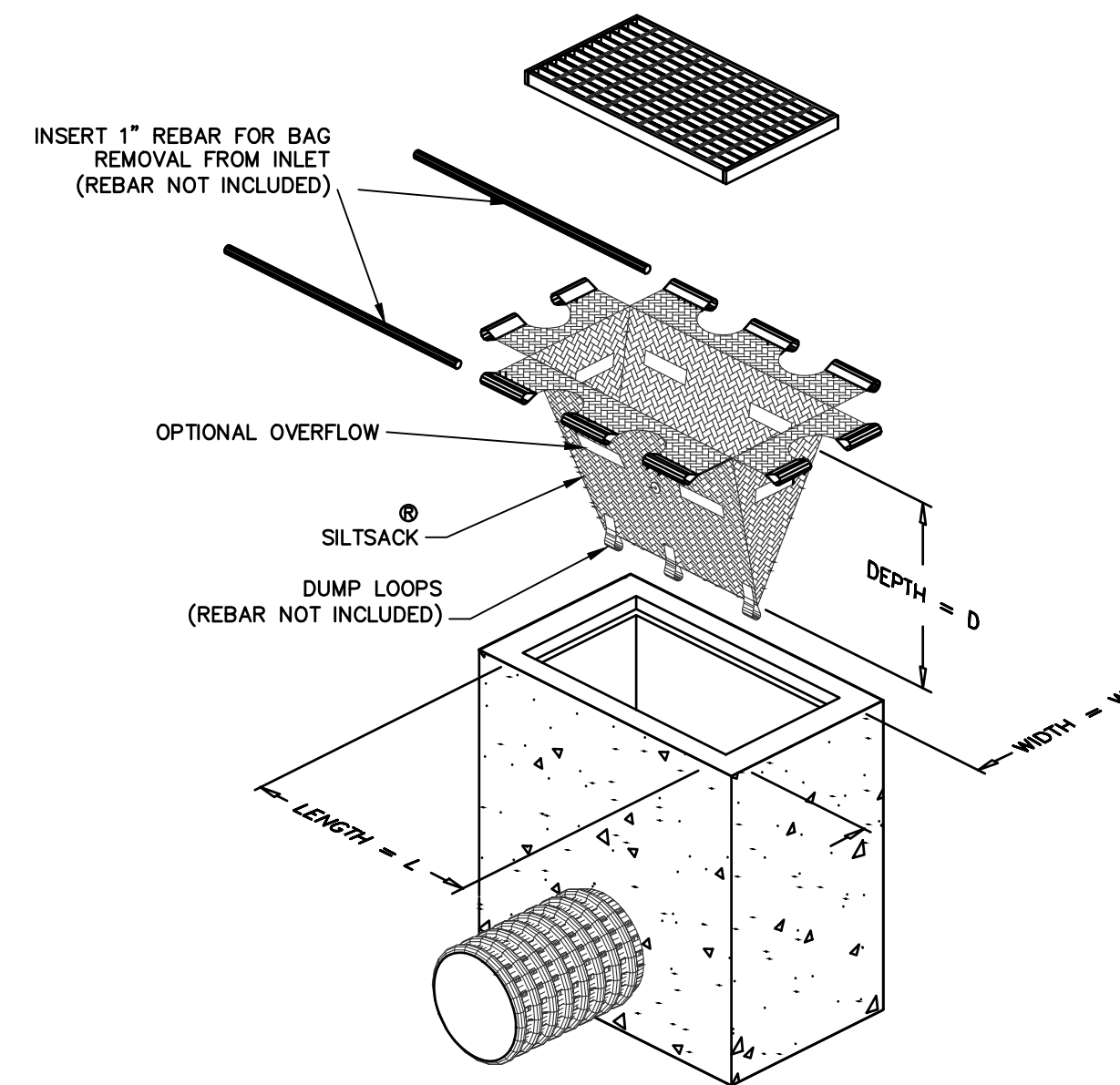
Civil Engineering Services

603-772-4746

E-MAIL: JBE@JONESANDBEACH.COM

Plan Name:	EROSION AND SEDIMENT CONTROL DETAILS
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.	E1
SHEET 17 OF 21	JBE PROJECT NO. 25082

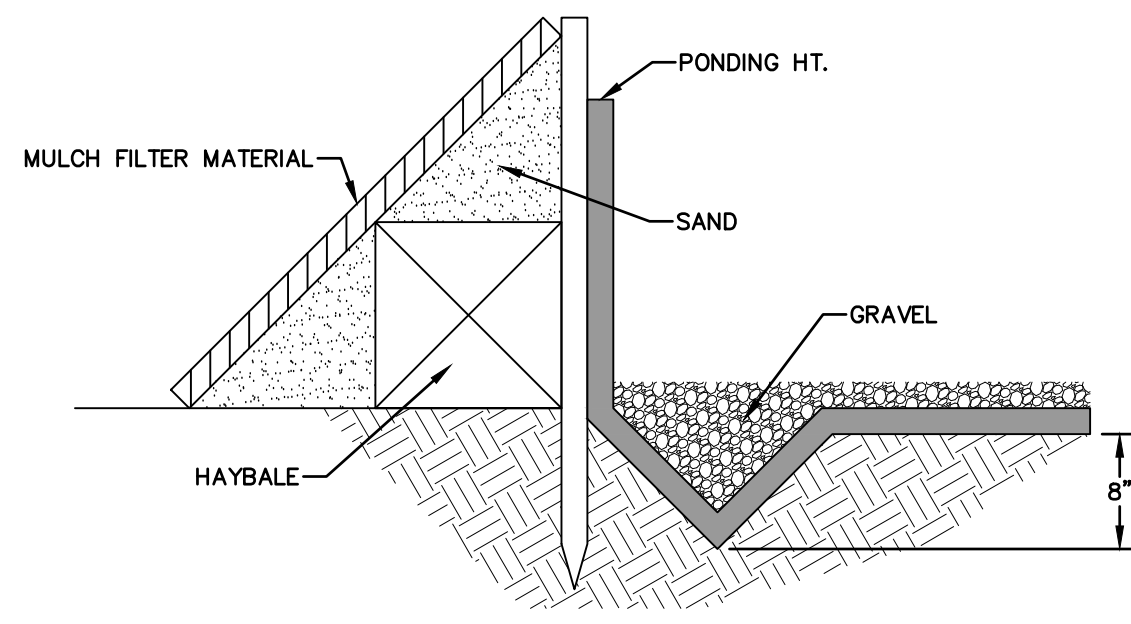


NOTES:

- TO INSTALL SILTSACK IN THE CATCH BASIN, REMOVE THE GRATE AND PLACE THE SACK IN THE OPENING. HOLD APPROXIMATELY SIX INCHES OF THE SACK OUTSIDE THE FRAME. THIS IS THE AREA OF THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD THE SACK IN PLACE.
- THE SILTSACK IS FULL AND SHOULD BE EMPTIED WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE.
- TO REMOVE SILTSACK, TAKE TWO PIECES OF 1" DIAMETER REBAR AND PLACE THROUGH THE LIFTING LOOPS ON EACH SIDE OF THE SACK TO FACILITATE THE LIFTING OF SILTSACK.
- TO EMPTY SILTSACK, PLACE UNIT WHERE THE CONTENTS WILL BE COLLECTED. PLACE THE REBAR THROUGH THE LIFT STRAPS (CONNECTED TO THE BOTTOM OF THE SACK) AND LIFT. THIS WILL TURN THE SILTSACK INSIDE OUT AND EMPTY THE CONTENTS. CLEAN OUT AND RINSE. RETURN SILTSACK TO ITS ORIGINAL SHAPE AND PLACE BACK IN THE BASIN.
- SILTSACK IS REUSABLE. ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE SILTSACK FROM THE BASIN AND CLEAN. SILTSACK SHOULD BE STORED OUT OF THE SUNLIGHT UNTIL NEEDED ON ANOTHER PROJECT.

**SILTSACK INLET SEDIMENT CONTROL DEVICE
TYPE B - WITHOUT CURB DEFLECTOR**

NOT TO SCALE

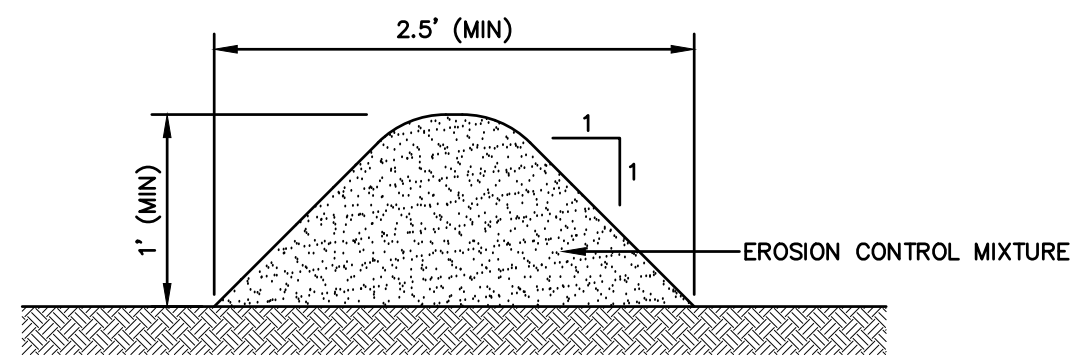


NOTES:

- WILDLIFE ESCAPE MOUNDS SHALL BE CONSTRUCTED EVERY 500 FEET.
- MOUNDS SHALL BE CONSTRUCTED OF NATIVE MATERIALS AND SHALL BE A MINIMUM OF 3 FEET IN WIDTH.
- ADDITIONAL TALL STAKES SHALL BE INSTALLED AT THE LOCATION OF THESE MOUNDS TO HELP SUPPORT THE SILT FENCING, AS NEEDED

WILDLIFE RAMP DETAIL (TRENCH WITH GRAVEL)

NOT TO SCALE

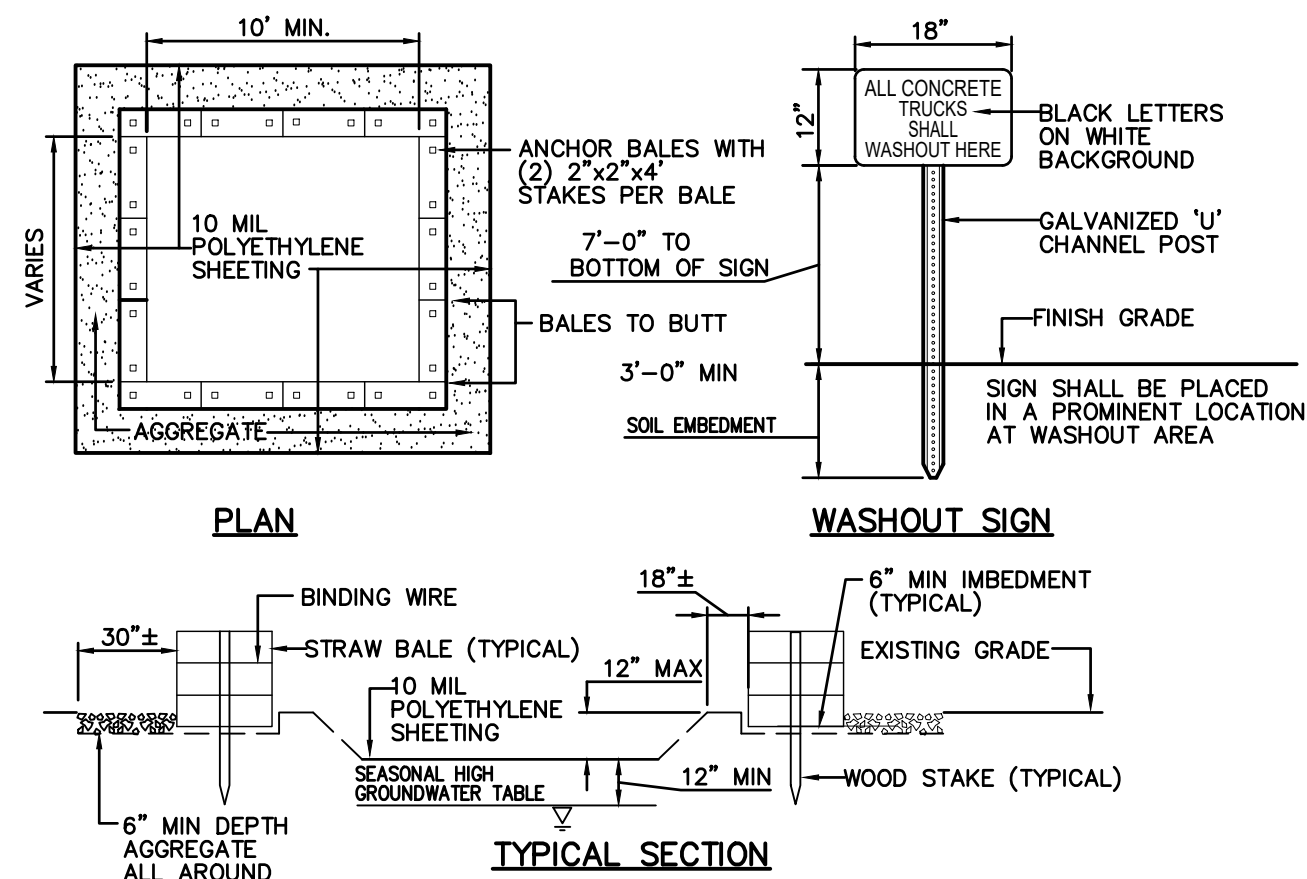


NOTES:

- ORGANIC FILTER BERMS MAY BE UTILIZED IN LIEU OF SILT FENCE, UNLESS OTHERWISE SPECIFIED.
- THE EROSION CONTROL MIX USED IN THE FILTER BERMS SHALL BE A WELL-GRADED MIXTURE OF PARTICLE SIZES, MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER, STUMP GRINDINGS, SHREDDED OR COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS, AND SHALL BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH, AND SHALL MEET THE FOLLOWING STANDARDS:
 - THE ORGANIC CONTENT SHALL BE 25-65% OF DRY WEIGHT.
 - PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 3" SCREEN, 90-100% PASSING A 1" SCREEN, 70-100% PASSING A 0.75" SCREEN, AND 30-75% PASSING A 0.25" SCREEN.
 - THE ORGANIC PORTION SHALL BE FIBROUS AND ELONGATED.
 - LARGE PORTIONS OF SILTS, CLAYS, OR FINE SANDS SHALL NOT BE INCLUDED IN THE MIXTURE.
 - SOLUBLE SALTS CONTENT SHALL BE >4.0mmhos/cm.
 - THE pH SHALL BE BETWEEN 5.0 AND 8.0.
- ORGANIC FILTER BERMS SHALL BE INSTALLED ALONG A RELATIVELY LEVEL CONTOUR. IT MAY BE NECESSARY TO CUT TALL GRASSES OR WOODY VEGETATION TO AVOID CREATING VOIDS AND BRIDGES THAT WOULD ENABLE FINES TO WASH UNDER THE BERM.
- ON SLOPES LESS THAN 5% OR AT THE BOTTOM OF SLOPES STEEPER THAN 3:1, UP TO 20' LONG, THE BERM SHALL BE A MINIMUM OF 12" HIGH (AS MEASURED ON THE UPHILL SIDE), AND A MINIMUM OF 36" WIDE. ON LONGER OR STEEPER SLOPES, THE BERM SHALL BE WIDER TO ACCOMMODATE THE POTENTIAL ADDITIONAL RUNOFF.
- FROZEN GROUND, OUTCROPS OF BEDROCK, AND VERY ROOTED FORESTED AREAS PRESENT THE MOST PRACTICAL AND EFFECTIVE LOCATIONS FOR ORGANIC FILTER BERMS. OTHER BMP'S SHOULD BE USED AT LOW POINTS OF CONCENTRATED RUNOFF, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS, AND AT THE BOTTOM OF STEEP PERIMETER SLOPES THAT HAVE A LARGE CONTRIBUTING AREA.
- SEDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT HAS ACCUMULATED TO ONE HALF THE ORIGINAL HEIGHT OF THE STRUCTURE.
- STRUCTURES MAY BE LEFT IN PLACE ONCE THE SITE IS STABILIZED.

ORGANIC FILTER BERM

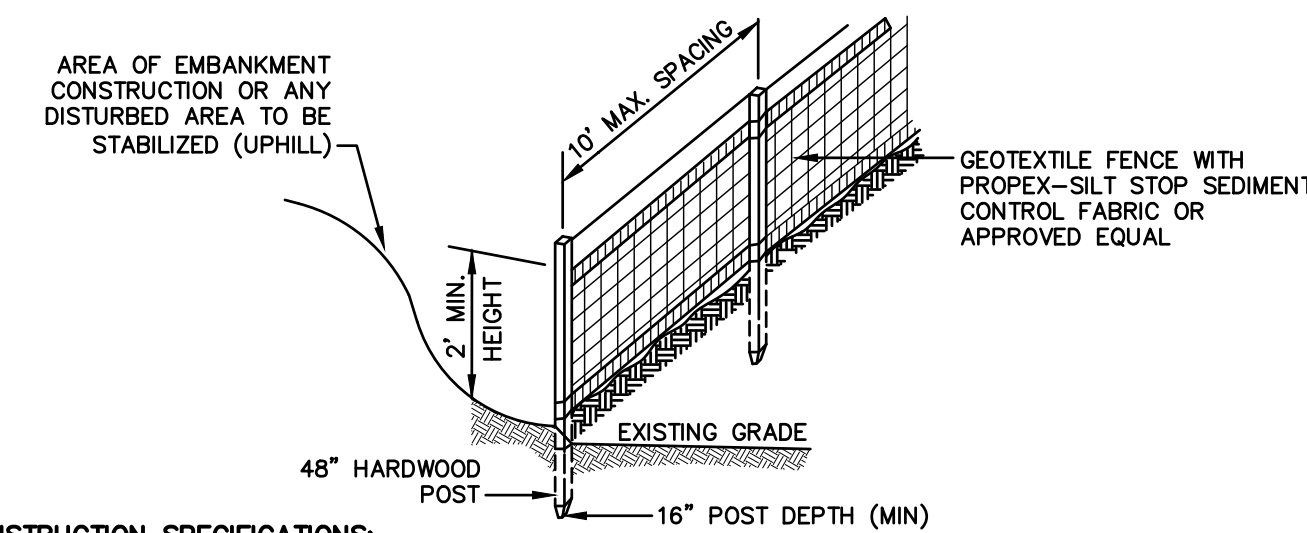
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- CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
- CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
- WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
- WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
- ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
- AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

CONCRETE WASHOUT AREA

NOT TO SCALE

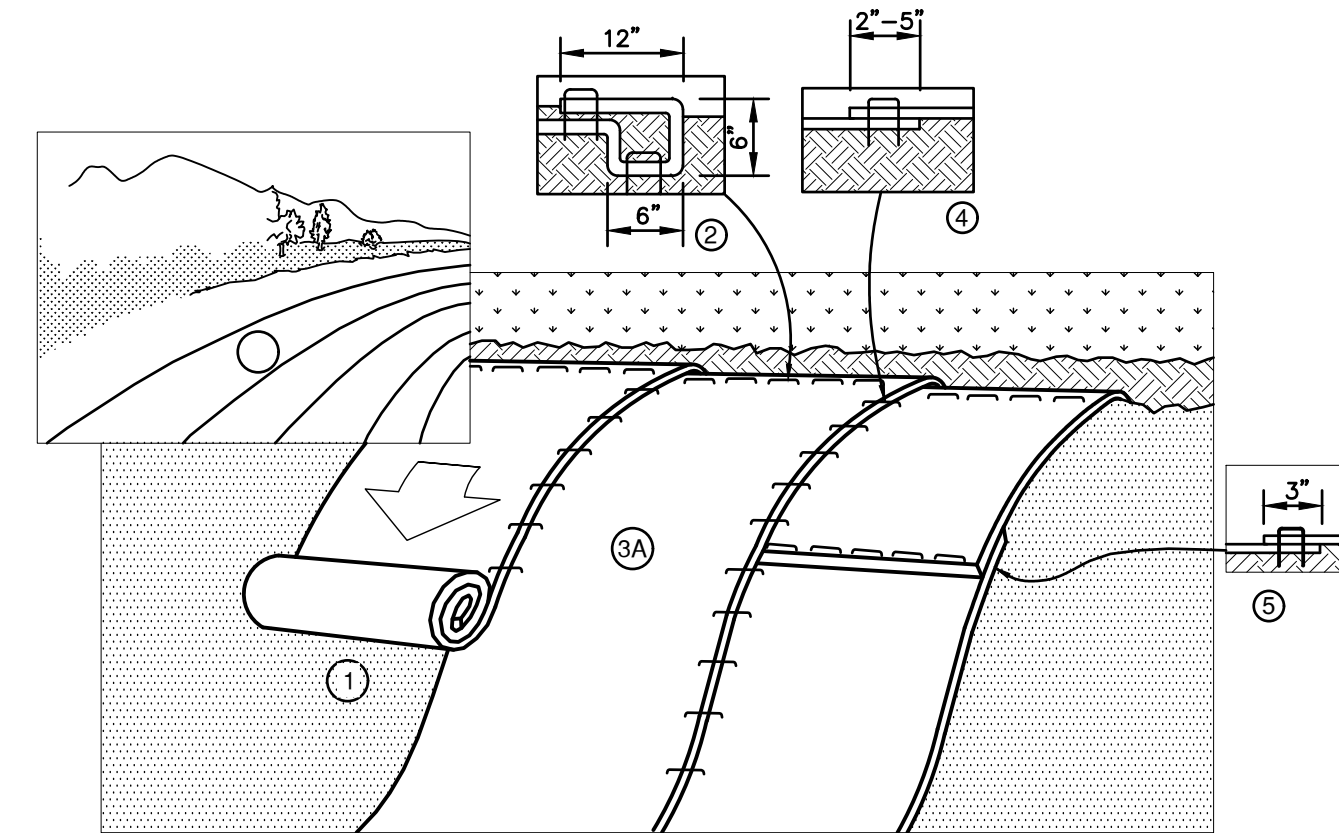


CONSTRUCTION SPECIFICATIONS:

- WOVEN FABRIC FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP, MID AND BOTTOM AND EMBEDDED IN THE GROUND A MINIMUM OF 8" AND THEN COVERED WITH SOIL.
- THE FENCE POSTS SHALL BE A MINIMUM OF 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED 6", FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED AND PROPERLY DISPOSED OF WHEN IT IS 6" DEEP OR VISIBLE 'BULGES' DEVELOP IN THE SILT FENCE.
- PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
- SILT FENCE SHALL REMAIN IN PLACE FOR 24 MONTHS.
- SILT FENCE SHALL NOT BE WIRE-BACKED.
- NH FISH AND GAME TO BE NOTIFIED ONCE SILT FENCE PERIMETER IS INSTALLED.

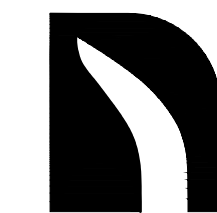
SILT FENCE

NOT TO SCALE



NOTES:

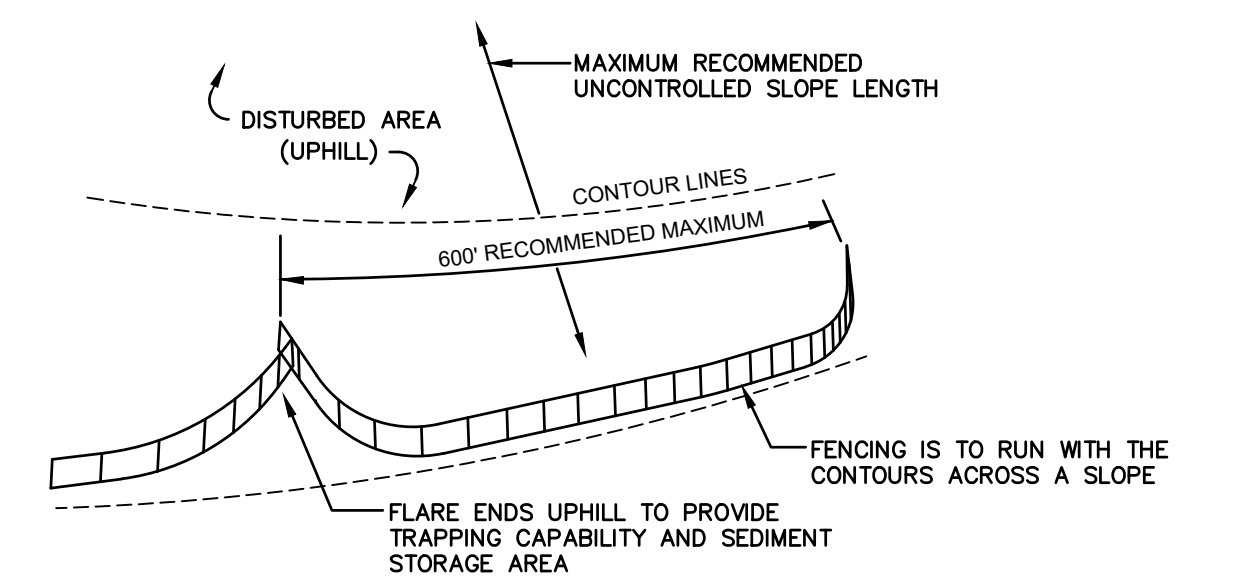
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH. NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.



NORTH AMERICAN GREEN
14649 HIGHWAY 41 NORTH
EVANSVILLE, INDIANA 47725
1-800-772-2040

**EROSION CONTROL SLOPE INSTALLATION
(North American Green SC150BN)**

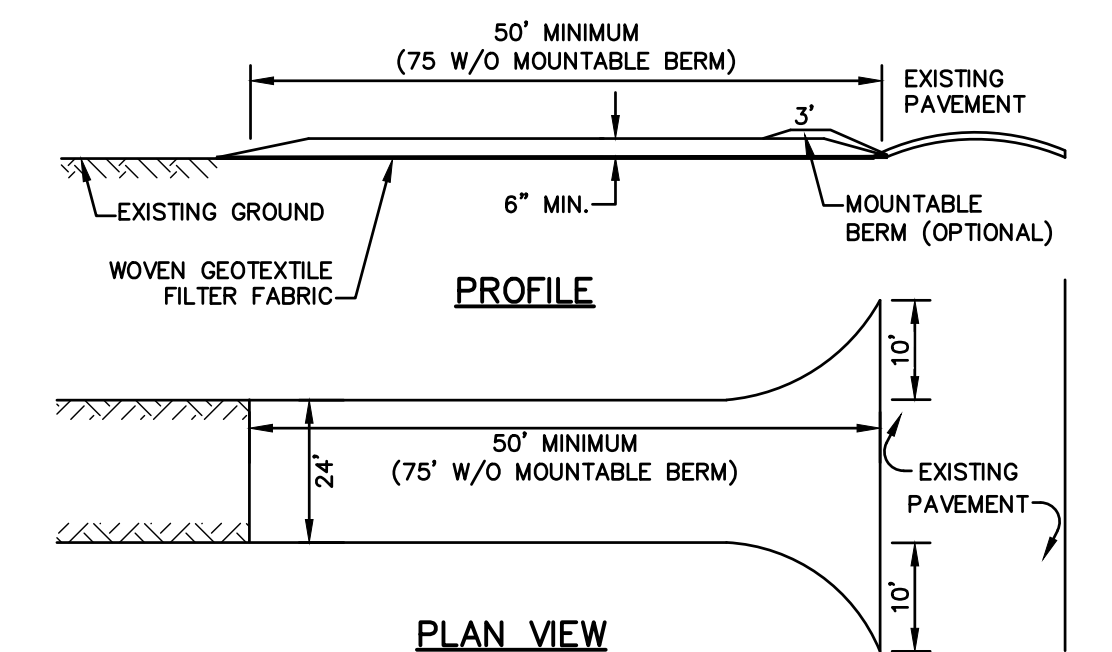
NOT TO SCALE



- SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND REVEGETATED.
- SILT FENCE SHALL BE PLACED PRIOR TO APRIL 15TH AND MAINTAINED BETWEEN APRIL 15TH AND OCTOBER 15TH THROUGHOUT THE LIFE ON THE CONSTRUCTION ACTIVITIES.
- SILT FENCE SHOULD BE INSPECTED DAILY FOR DEFECTS AS WELL AS POSSIBLE TRAPPED WILDLIFE.

MAINTENANCE:

- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE DONE IMMEDIATELY.
- IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS THAT ARE REMOVED, OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED, SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.



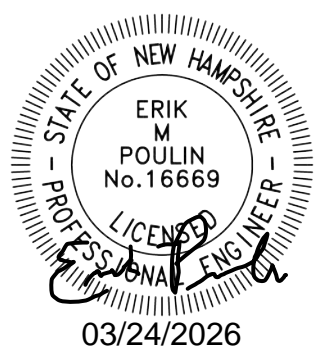
NOTES:

- STONE FOR STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, 75' WITHOUT A MOUNTABLE BERM, AND EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
- THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS, OR 10 FEET, WHICHEVER IS GREATER.
- GEOTEXTILE FILTER FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER FABRIC IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENTIAL LOT.
- ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A STONE BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TROW DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

Design: GAP	Draft: GDR	Date: 3/23/26
Checked: EMP	Scale: AS NOTED	Project No.: 25082
Drawing Name: 25082-PLAN.dwg		
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.		



REV.	DATE	REVISION	BY
6	03/23/26	MINOR REVISIONS PER INTERNAL REVIEW	GAP
5	02/10/26	REVISED PER NHDES AOT COMMENTS	GAP
4	01/26/26	REVISED PER NHFG COMMENTS	EMP
3	01/21/26	REVISED PER ENGINEERING REVIEW COMMENTS	EMP
2	11/18/25	REVISED PER ENGINEERING REVIEW COMMENTS	EMP

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.

85 Portsmouth Ave. Stratham, NH 03885

Civil Engineering Services

603-772-4746

E-MAIL: JBE@JONESANDBEACH.COM

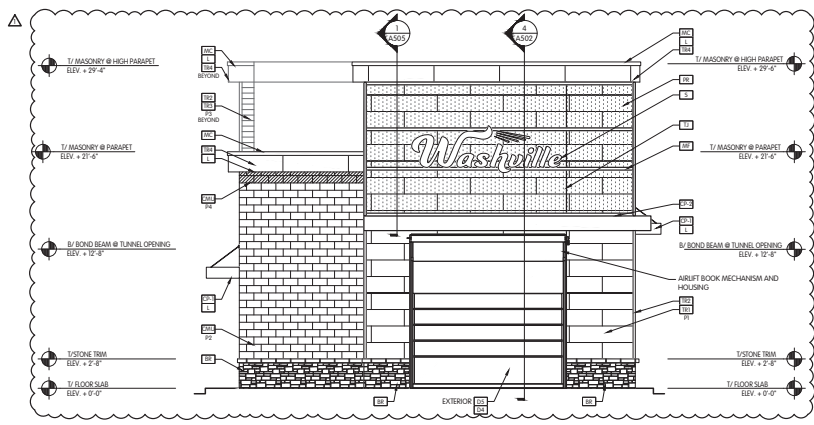
Plan Name:	EROSION AND SEDIMENT CONTROL DETAILS
Project:	WASHVILLE CAR WASH 9 MORGAN RD, HUDSON, NH
Owner of Record:	HUDSON ENTERPRISES, LLC 69 ATLANTIC AVE, NORTH HAMPTON, NH

DRAWING No.

E2

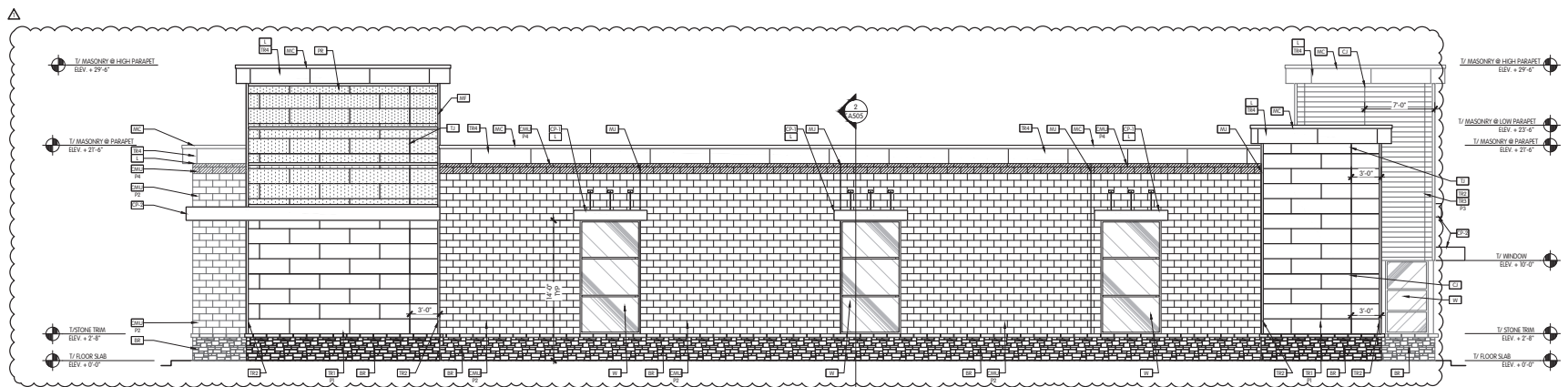
SHEET 18 OF 21
JBE PROJECT NO. 25082

Y:\Shared\Clients\3rdParty\Design\Photogram\VA\Technology Client\Washville\WAS02A0202-Cross-Section_R0105_CAD\DWG\Final\A201_exterior_elev.dwg, May 11, 2023, 12:50pm, AnshulNaj



1
EXIT ELEVATION
SCALE: 3/16" = 1'-0"

NOTE:
 PROVIDE GREEN METAL Drip Edge FLASHING AT ALL WINDOW HEADS
 LOCATE CONTROL JOINT IN STONE MASONRY TO ALIGN WITH CONTROL JOINTS IN MASONRY WALLS



2
NON-PARKING ELEVATION
SCALE: 3/16" = 1'-0"

EXTERIOR FINISH / MATERIAL LEGEND	
[Symbol]	VERSETTA STONE - LODGESTONE STYLE SIDING - COLOR: STRELING
[Symbol]	METAL CANOPY W/ TREBACKS
[Symbol]	ALUMINUM FINISH W/ CONCEAL Drip LEDGE SEE DETAIL 2/A102
[Symbol]	CANTILEVERED OPEN CANOPY GC TO COORDINATE WITH CANOPY FABRICATOR. ARCHITECT TO APPROVE SHOP DRAWING PRIOR TO INSTALLATION.
[Symbol]	EXPOSED PAINTED CMU
[Symbol]	DOOR TYPE A, SEE SCHEDULE ON A600
[Symbol]	DOOR TYPE B, SEE SCHEDULE ON A600
[Symbol]	DOOR TYPE C, SEE SCHEDULE ON A600
[Symbol]	DOOR TYPE D, SEE SCHEDULE ON A600
[Symbol]	DOOR TYPE E, SEE SCHEDULE ON A600
[Symbol]	LIGHT UNDER CANOPY/SOFFIT - REFER TO LIGHT SCHEDULE
[Symbol]	METAL CORNING ALUMINUM PAINTED P2
[Symbol]	METAL FRAME TO BE FABRICATED ON SITE. COLOR TO MATCH STONEFRONT REFER TO V/A505 FOR INSTALLATION DETAIL. PROVIDE BLOCKING BEHIND THE NICH-HA FRAMEWORK FOR THE MESH.
[Symbol]	MASONRY CONTROL JOINT
[Symbol]	PAINT SHERWIN WILLIAMS HYPER BLUE - SW 965 EXTERIOR GRADE
[Symbol]	PAINT BEN MOORE 929 ROYAL SILK EXTERIOR GRADE
[Symbol]	PAINT SHERWIN WILLIAMS FLOROPON CLASSIC II COOL BRIGHT SILVER
[Symbol]	PAINT SHERWIN WILLIAMS ANTIGRAPHIC - SW 6886 EXTERIOR GRADE
[Symbol]	PERFORATED METAL SCREEN BY VENDOR
[Symbol]	BUILDING SIGNAGE PERMITTED AND INSTALLED BY OTHERS
[Symbol]	TRANSITION JOINT REFER TO DETAIL 3/A200
[Symbol]	NICH-HA AWP ILLUMINATION SERIES 1818 HORIZONTAL SIDING 17 7/8" x 71 9/16" x 5/8"
[Symbol]	NICH-HA OUTSIDE CORNER METAL TRIM - PAINTED TO MATCH ADJACENT SIDING 1.5" x 10'-0"
[Symbol]	NICH-HA AWP LATURA V-GROOVE SERIES 1818 HORIZONTAL SIDING 17 7/8" x 71 9/16" x 5/8"
[Symbol]	NICH-HA AWP ILLUMINATION SERIES 1818 HORIZONTAL SIDING 17 7/8" x 71 9/16" x 5/8" - COLOR: CUSTOM
[Symbol]	WINDOW CR LAURENCE US ALUMINUM FLUSH FRONT SERIES 451 CLEAR ANODIZED REFER TO SHEET A401 FOR MORE INFORMATION

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REVISIONS	
NO.	DESCRIPTION

SHEET INFORMATION	
PROJECT NO.	WAS02A0202
DATE ISSUED	05/17/23
DATE	05/17/23
DESIGNED BY	ANSHUL NAJ
CHECKED BY	ANSHUL NAJ
ISSUED BY	ANSHUL NAJ
DATE	05/17/23
PROJECT	WASHVILLE TIO TUNNEL
LOCATION	1372 OAKLAWN AVENUE CEANSTON, RI 02920

SHEET NUMBER	
PROJECT	WASHVILLE TIO TUNNEL
DATE	05/17/23
ISSUED BY	ANSHUL NAJ
DATE	05/17/23
PROJECT	WASHVILLE TIO TUNNEL
LOCATION	1372 OAKLAWN AVENUE CEANSTON, RI 02920

A201

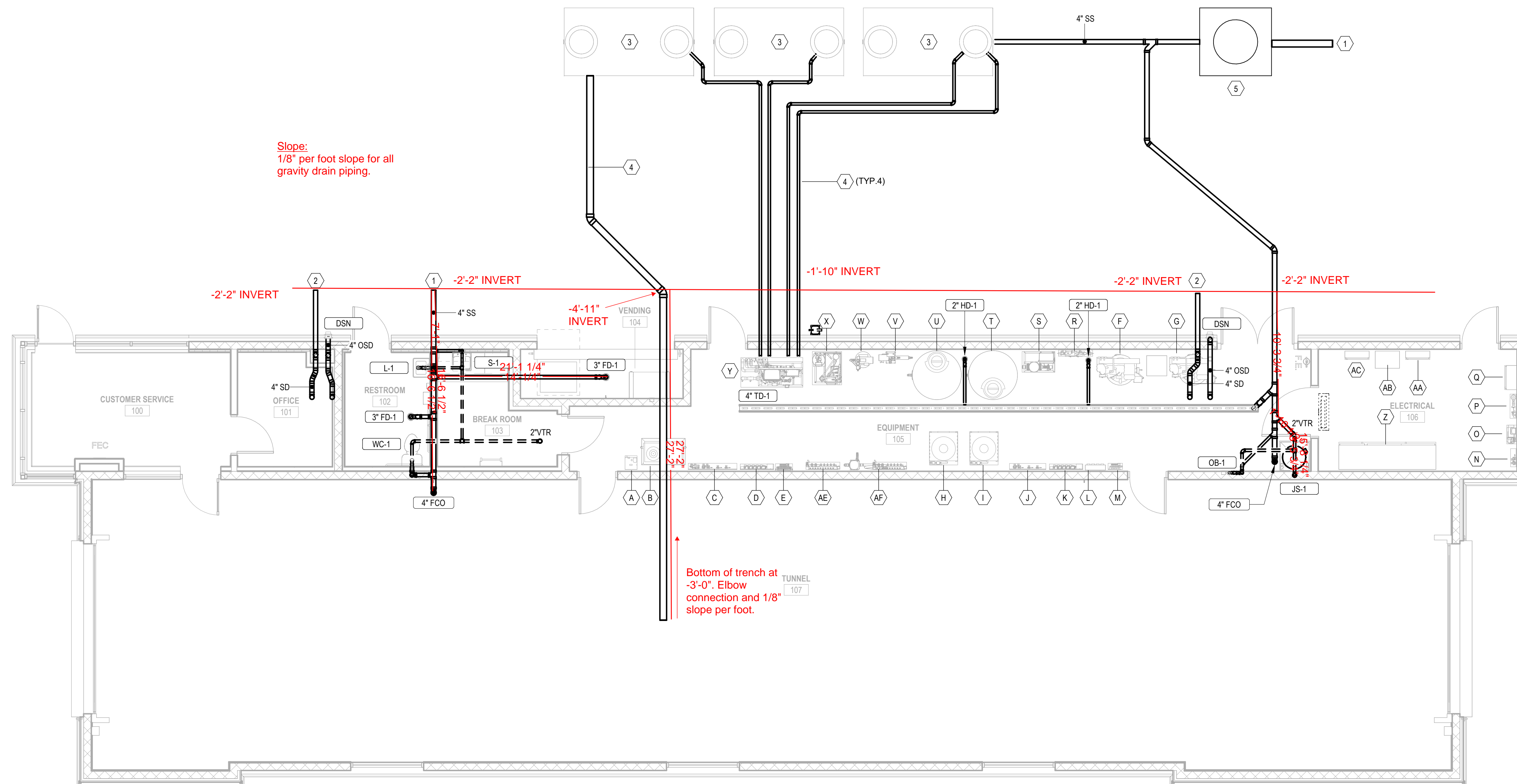


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EQUIPMENT LIST	
A	HYDRAFUSE
AA	SDP - ELECTRICAL PANEL
AB	STX - TRANSFORMER
AC	MDP - ELECTRICAL PANEL
AE	HYDRAFLEX CHEMICAL PANELS XD X2
AF	HYDRAFLEX PUMP
B	M1100RD - 7.5HP DD PUMP
C	AIR DISTRIBUTION PANEL
D	7 PORT WATER DIST. PANEL 1
E	AIR DIST. - RS701
F	AIR COMPRESSORS
G	AIR DRYER
H	M1000R - 7.5 HP PUMP
I	M2000R - 15 HP PUMP
J	AIR DISTRIBUTION PANEL SECONDARY
K	5 PORT WATER DIST. PANEL 2
L	ACCU-PUMP
M	POWERLOCK
N	EVO. SHINE AIR CONTROL PANEL
O	EVO. SHINE SHINE RINSE PUMP
P	DOSATRON CHEMICAL PANEL
Q	EVOLUTION SHINE PANEL
R	WATER MAIN / BACKFLOW PREVENTER
S	WVHP-75-170- BOOSTER PUMP
T	R.O. TANK 850 GAL.
U	REJECT TANK 850 GAL.
V	R.O. REPRESS PUMP - RP1-H20A
W	R.O.O REJECT PUMP - RRS-50-LLF
X	VR0F-1 - R.O. SYSTEM
Y	PW-FSSAS - RECLAIM SYSTEM
Z	MASTER CONTROL PANEL

EQUIPMENT LIST BASED ON VENDOR DRAWINGS PROVIDED TO ENGINEER. CONTRACTOR SHALL VERIFY EQUIPMENT LOCATIONS WITH FINAL VENDOR DRAWINGS PRIOR TO PROCUREMENT OF PIPING SYSTEMS. ALL DOMESTIC WATER, RO WATER, COMPRESSED AIR, AND RECLAIM WATER PIPING TO GAR WASH EQUIPMENT SHALL BE SIZED BASED ON EQUIPMENT VENDOR REQUIREMENTS.

KEYNOTES	
1	REFER TO CIVIL DRAWINGS FOR SANITARY PIPING CONTINUATION TO SITE SANITARY MAIN.
2	REFER TO CIVIL DRAWINGS FOR STORM PIPING CONTINUATION TO SITE STORM MAIN.
3	1500 GALLON RECLAIM WATER TANK, REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.
4	REFER TO RECLAIM SYSTEM PIPING DIAGRAMS FOR PIPE SIZING REQUIREMENTS AND LOCATION OF CONNECTION TO EQUIPMENT.
5	OIL WATER SEPARATOR, REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.



1 GRAVITY PIPING PLAN
 P1-1 3/16" = 1'-0"