

CONCORD ROYAL GARDENS

ORMOND STREET AND CHRISTIAN AVENUE · CONCORD · NEW HAMPSHIRE

DRAINAGE IMPROVEMENTS

REVISED: NOVEMBER 12, 2025

SHEET INDEX

Sheet no.	Sheet Title
GI-001	Cover Sheet
GN-001	General Notes
CP-100	Overall Site Preparation Plan
CP-101	Site Preparation Plan
CG-101	Overall Site and Drainage Plan
CG-102	Site and Drainage Plan
CD-501 to CD-503	Construction Details



LOCATION MAP

SCALE: 1" = 2000'

PL-ADM-2025-0109 administratively approved for the noted drainage modifications on May 27, 2026

Timothy J. Thompson, AICP - Acting Clerk of the Planning Board/City Planner



CONTACT DIG SAFE 72 HOURS PRIOR TO CONSTRUCTION
THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. FUSS & O'NEILL, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. 72 HOURS PRIOR TO ANY EXCAVATION ON SITE, THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 1-888-DIG-SAFE.

PREPARED BY

FUSS & O'NEILL

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PREPARED FOR

THE BLVD GROUP
11911 SAN VICENTE BLVD
LOS ANGELES, CA 90049



PROJ. No.: 20241373.A10
DATE: 08/11/2025

GI-001

GENERAL NOTES

- 1. REFERENCES:
A. THE STATE OF NEW HAMPSHIRE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2018 EDITION, REVISIONS AND ALL CURRENT ADDENDA, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "STATE STANDARD SPECIFICATIONS" SHALL REFER TO THE LATEST EDITION OF THE STATE OF NEW HAMPSHIRE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
B. THE STATE OF NEW HAMPSHIRE STANDARD DETAILS, 2015 EDITION, AND ALL CURRENT REVISIONS, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "STATE STANDARD DETAILS" OR "NH STD. #.#.#" SHALL REFER TO THE LATEST EDITION OF THE STATE OF NEW HAMPSHIRE'S STANDARD DETAILS.
C. THE STATE OF NEW HAMPSHIRE SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, 2016 EDITION, REVISIONS AND ALL CURRENT ADDENDA, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" SHALL REFER TO THE LATEST EDITION OF THE STATE OF NEW HAMPSHIRE SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
D. THE CITY OF CONCORD SITE PLAN REGULATIONS, ZONING ORDINANCE, AND SUBDIVISION REGULATIONS 2019 EDITION, REVISIONS AND ALL CURRENT ADDENDA, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "LOCAL STANDARD SPECIFICATIONS" SHALL REFER TO THE LATEST EDITIONS OF THE AFOREMENTIONED REGULATIONS.
E. SURFACE DATA PER 2019 LIDAR DATA DOWNLOADED FROM THE NOAA DIGITAL COASTAL SERVICE CENTER.
F. BASE MAPPING EXPORTED FROM 2025 NEARMAP.

- 2. REFERENCES ON FILE AT THE CITY OF CONCORD:
A. "EXISTING CONDITIONS SURVEY OF ROYAL GARDENS APARTMENTS" (2 SHEETS) PREPARED FOR CONCORD GARDENS COMPANY, INC. PREPARED BY RICHARD D. BARTLETT & ASSOCIATES LLC, DATED OCT 2012.

- 3. EXISTING CONDITIONS:
A. BASE MAPPING: PROPERTY BOUNDARY AND TOPOGRAPHICAL INFORMATION WERE DIGITIZED FROM A PLAN TITLED "EXISTING CONDITIONS SURVEY", BY RICHARD D. BARTLETT & ASSOCIATE LLC, DATED OCTOBER 2012. NO SURVEY WAS PERFORMED IN THE PREPARATION OF THIS PLAN. IF ANY DISCREPANCIES ARISE BETWEEN THE EXISTING CONDITIONS PLANS AND ACTUAL FIELD CONDITIONS, CONTACT THE ENGINEER FOR CLARIFICATION.
B. UTILITIES: THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY AND HAVE NOT YET BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE.
4. MATERIAL:
A. CURBING: REPLACE CURBING WITH EXISTING CURBING OR REPLACE IN KIND.
B. BITUMINOUS CONCRETE PAVEMENT: BITUMINOUS PAVEMENTS SHALL MEET REQUIREMENTS OF NHDOT SECTION 403 OF THE STATE STANDARD SPECIFICATIONS.
C. LANDSCAPE AREAS: ALL SURFACED AREAS OR DISTURBED AREAS NOT SPECIFIED ON THE PLANS SHALL RECEIVE 6 INCHES OF TOPSOIL, SEED, MULCH, AND BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
D. SIGNAGE: ALL SIGNAGE SHALL MEET MUTCD REQUIREMENTS AND COMPLY WITH SECTION 615 OF THE NHDOT STANDARDS.
3. UTILITIES:
A. STORM DRAINAGES: STORM DRAIN PIPING SHALL BE PERFORATED HDPE PIPE WITH A MINIMUM PIPE DIAMETER OF 15" AND WITH WATER TIGHT JOINTS. THE SIZES OF ALL PIPE ARE NOTES ON THE PLANS. PIPE BEDDING SHALL BE 3/4" WASHED CRUSHED STONE AND MINIMUM 6" DEPTH IN EARTH AND 12" DEPTH IN LEDGE. DRAINAGE STRUCTURES SHALL BE PRE-CAST CONCRETE MEETING H-20 LOADING AND CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. DRAINAGE STRUCTURES SHALL NOT EXCEED EIGHTEEN (18) FEET IN DEPTH (RIM TO BOTTOM OF STRUCTURE).

GENERAL CONSTRUCTION REQUIREMENTS

- 1. CONTRACTOR SHALL ATTEND PRE-CONSTRUCTION MEETING WITH CITY AND NOTIFY CITY PRIOR TO ANY WORK WITHIN THE ROW.
2. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
3. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
4. PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
5. PLEASE READ ALL OTHER NOTES ON THIS PAGE. THEY CONTAIN INFORMATION RELATED TO AND ASSOCIATED WITH THIS PROJECT AND DESIGN.
6. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE OWNER SHALL BE REQUIRED TO CONTACT THE ENGINEER TO COORDINATE CORRECTION FOR THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
7. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
8. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE CITY OF CONCORD SITE PLAN REGULATIONS, CITY OF CONCORD STANDARD CONSTRUCTION DETAILS, AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
9. IN ACCORDANCE WITH CHAPTER 1 OF THE CONCORD SITE PLAN REGULATIONS AND RSA §676:13, ALL IMPROVEMENTS SPECIFIED ON THESE SITE PLANS SHALL BE CONSTRUCTED, COMPLETED, AND INSPECTED AND APPROVED BY THE CITY OF CONCORD PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE SITE AND EXISTING CONDITIONS SURROUNDING IT AND THEREON. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF HIS INTENTIONS AT LEAST 48 HOURS IN ADVANCE.

- 11. THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES, SPECIFICATIONS, REGULATIONS, AND STANDARDS.
12. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY FUSS & O'NEILL DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HERE ON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
14. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
15. IN THE EVENT OF AN INCIDENTAL OR DELIBERATE HAZARDOUS MATERIAL SPILL, THE CONTRACTOR SHALL ADHERE TO THE NHDES SPILL NOTIFICATION REQUIREMENTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF ALL LEAKS AND SPILLS.

WORK RESTRICTIONS

- 1. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
2. HOURS OF EXCAVATION SHALL BE LIMITED TO THE HOURS OF 7AM TO 7PM ON WEEKDAYS AND 9AM TO 5PM ON SATURDAYS; OR ON SUNDAYS OR HOLIDAYS.

CONSTRUCTION LAYOUT

- 1. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
2. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY SITE LAYOUT AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
3. IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
4. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
5. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

EARTHWORK

- 1. NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION CALL DIGSAFE: 1-888-DIG-SAFE
2. LAND DISTURBANCE SHALL NOT EXTEND BEYOND THE LIMIT OF DISTURBANCE BOUNDARY DEPICTED ON THE PLANS.
3. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.

PAVEMENT

- 1. AT A MINIMUM, CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).

GENERAL SITE RESTORATION

- 1. PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

CONSTRUCTION SEQUENCE

THE GENERAL SEQUENCE FOR EACH PHASE OF CONSTRUCTION IS AS FOLLOWS:

- 1. INSTALL PERIMETER SEDIMENT CONTROL BARRIERS, EROSION CONTROL, AND PROPOSED CONSTRUCTION ACCESS. SEDIMENT EROSION CONTROL MEASURES WILL BE MAINTAINED OR REPLACED AS REQUIRED THROUGHOUT CONSTRUCTION PERIOD. ANY TEMPORARY SOIL STOCKPILE AREAS DURING CONSTRUCTION WILL ALSO BE ENCOMPASSED BY PERIMETER CONTROLS.
2. SAWCUT, REMOVE, AND DISPOSE PAVEMENT AS DEPICTED ON THE PLANS.
3. CLEAR THE SITE AND REMOVE DEMOLISHED MATERIALS.
4. EXCAVATE INSTALLATION OF THE DRY WELLS AND PERFORATED HDPE DRAIN PIPE. STOCKPILE EXCESS SOILS FOR REUSE.
5. CORE OPENINGS IN EXISTING CATCH BASIN STRUCTURES.
6. INSTALL FILTER FABRIC, WASHED CRUSHED STONE, DRY WELLS, AND PERFORATED HDPE DRAIN PIPES.
7. BACKFILL DRY WELL AND HDPE DRAIN PIPE WITH STOCKPILED SOIL AND COMPACT.
8. REPAIR PAVEMENT AREAS AS DEPICTED ON PLANS.
9. INSTALL IN-LINE CHECK VALVES IN STRUCTURES.

- 10. PERMANENTLY SEED ALL NON-PAVED AREAS. INSTALL ALL PROPOSED LANDSCAPING.

- 11. REMOVE TEMPORARY EROSION CONTROLS MEASURES ONCE PERMANENT VEGETATION COVER HAS BEEN ESTABLISHED AND THE SITE IS STABILIZED, INSPECTED, AND APPROVED BY PERMITTING AUTHORITY AND THE ENGINEER.

STORMWATER MAINTENANCE PROGRAM

- 1. OPERATION AND MAINTENANCE OF STORMWATER MANAGEMENT SYSTEM SHALL BE CONDUCTED IN ACCORDANCE WITH STANDARD BMP PRACTICES (SWEEP PAVEMENT, INSPECT CATCH BASINS FOR SEDIMENT TWICE ANNUALLY, SUMP OUT CATCH BASINS AS NEEDED).
2. THE CONTRACTOR IS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF STORMWATER MANAGEMENT SYSTEM UNTIL COMPLETION OF CONSTRUCTION AND OWNER ACCEPTANCE. THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM ONCE CONSTRUCTION IS COMPLETE.
3. NPDES AND SWPPP ARE NOT REQUIRED FOR PROJECT BASED ON DISTURBANCE BEING LESS THAN 1 ACRE.

SOIL EROSION CONTROL AND SEDIMENT CONTROL

- 1. FOLLOW THE NEW HAMPSHIRE SOIL EROSION AND SEDIMENT CONTROL HANDBOOK IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THE PLANS. ALL EROSION AND SEDIMENT CONTROL MEASURES OR WORKS AND REHABILITATION MEASURES MUST CONFORM TO OR EXCEED THESE REQUIREMENTS.
2. THE TIMELY INSTALLATION, INSPECTION, AND MAINTENANCE/REPLACEMENT OF SEDIMENT AND EROSION CONTROL DEVICES TO ENSURE PROPER OPERATION AND PERMIT COMPLIANCE IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION OF THE PROJECT IS COMPLETE AND ACCEPTED BY THE OWNER. THE OWNER IS RESPONSIBLE THEREAFTER. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONTINUE TO BE MAINTAINED IN EFFECTIVE CONDITION UNTIL SITE STABILIZATION.
3. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLAN, OR AS DIRECTED BY THE LOCAL MUNICIPALITY, OR AS MAY BE REQUIRED TO PREVENT SEDIMENT FLOW TO STORM DRAINS OR SURFACE WATERS.
4. AN INSPECTION OF STORMWATER CONTROL MEASURES MUST BE CONDUCTED BY THE CONTRACTOR AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT WHICH GENERATES AT LEAST 0.25 INCHES OF RAINFALL PER TWENTY-FOUR (24) HOUR PERIOD. FOLLOWING AN INSPECTION, ALL CORRECTIVE ACTIONS MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS.
5. CONTRACTOR SHALL INSPECT THE SITE TO CONFIRM NO TRACKING OF SEDIMENT IN TO THE CITY ROW IS OCCURRING AND SHALL IMMEDIATELY SWEEP AND DISPOSE OF DEBRIS IF OBSERVED WITHIN THE CITY ROW.

SITE NOTES

- 1. THE INTENT OF THESE PLANS ARE TO SHOW THE IMPROVEMENTS AT CONCORD ROYAL GARDEN APARTMENTS ASSOCIATED WITH CORRECTING SITE STORMWATER MANAGEMENT DEFICIENCIES BY ADDING THREE DRY WELLS AND TWO CHECK VALVES. IF ONLY TWO DRY WELLS ARE INSTALLED, OMIT DRY WELL 2.
2. THE SUBJECT PROPERTY IS 21.4 ACRES IDENTIFIED WITHIN CONCORD TAX MAP DATABASE AS MAP 60Z LOT 11 AND OWNED BY CONCORD ROYAL GARDENS LP.
3. THE SUBJECT PARCEL IS LOCATED IN THE HIGH DENSITY RESIDENTIAL (RH) ZONING DISTRICT.

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Table with columns for No., Date, and Description. Includes entries for 'RESPONSE TO CITY ENGINEERING REVIEW COMMENTS' dated 11/12/2025 and 10/22/2025.



Table with columns for SCALE, HORIZ., VERT., DATUM, HORIZ., VERT.

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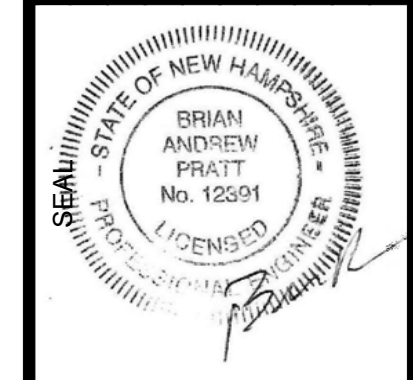
THE BLVD GROUP GENERAL NOTES CONCORD ROYAL GARDENS CONCORD NEW HAMPSHIRE

PROJ. No.: 20241373.A10 DATE: 08/11/2025

GN-001



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	10/22/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ	BP
2	11/12/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ	BP



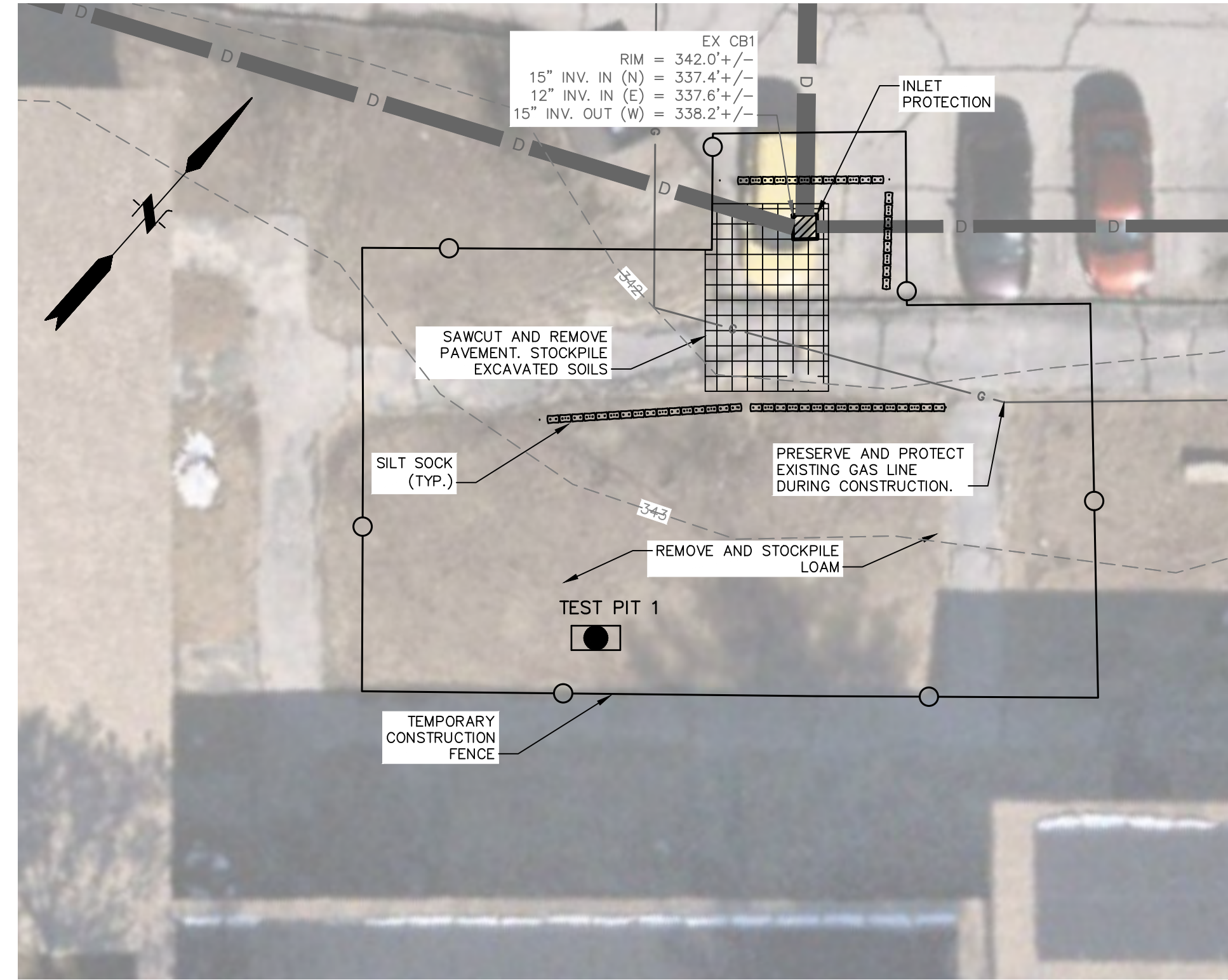
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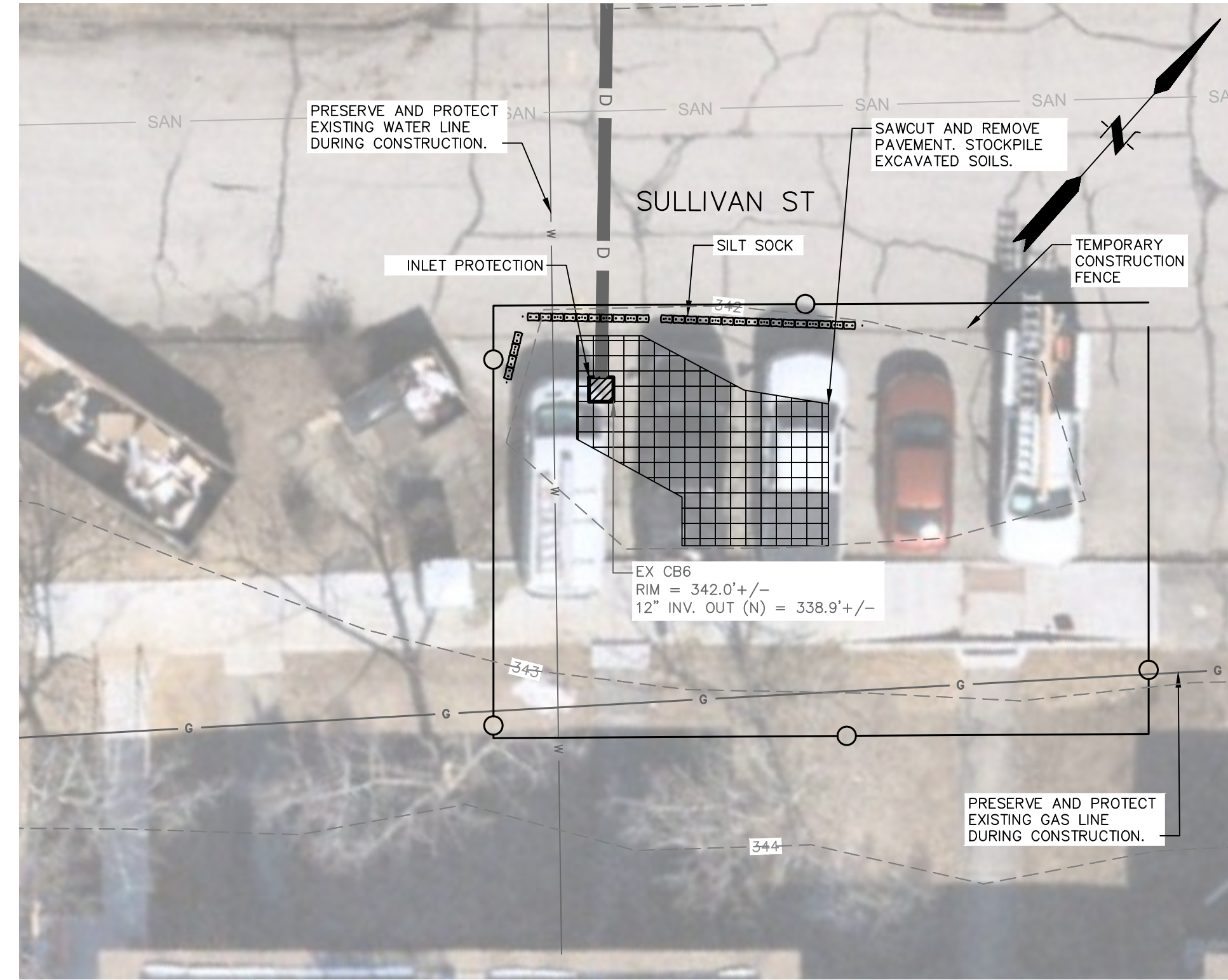
THE BLVD GROUP
 OVERALL SITE PREPARATION PLAN
 CONCORD ROYAL GARDENS
 CONCORD NEW HAMPSHIRE

PROJ. No.: 20241373.A10
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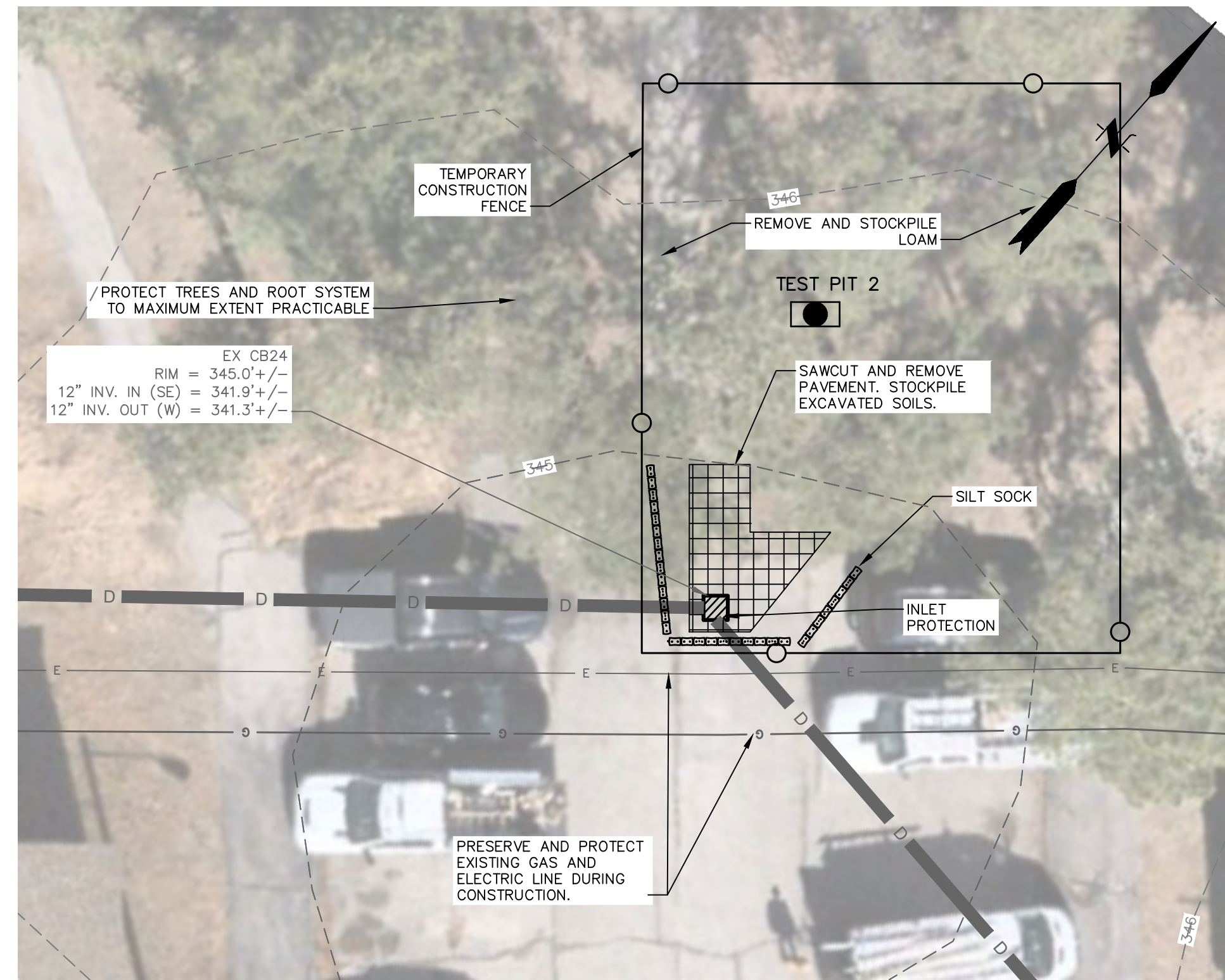
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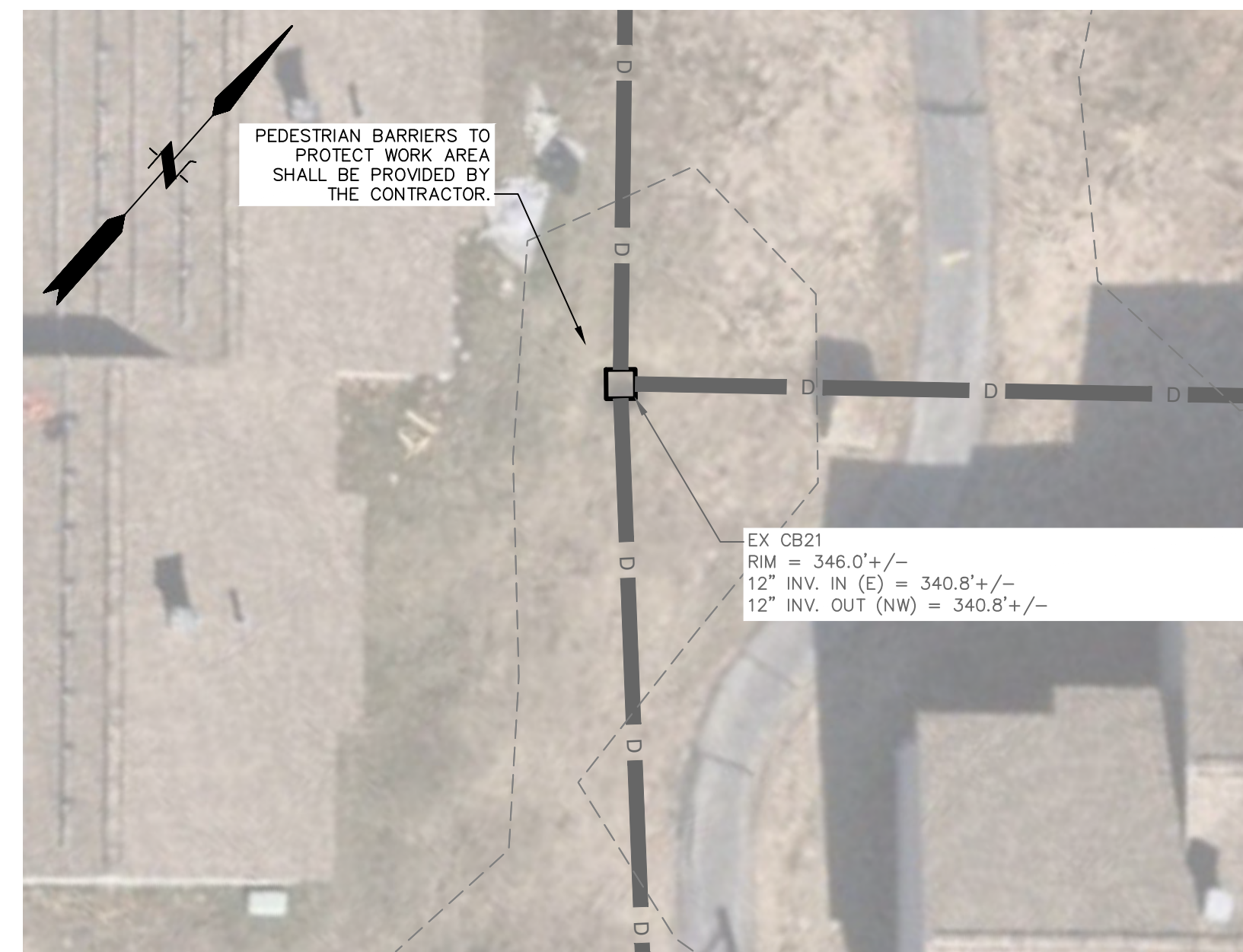
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INSET 2
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INSET 3
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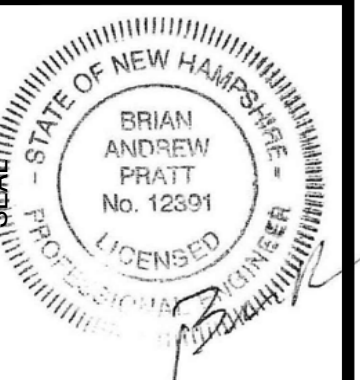


INSET 4
 SCALE 1" = 10'

NOTES:

1. THE INTENT OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS OF THE SUBJECT PARCEL AND THE PROPOSED DEMOLITION WORK AND EROSION CONTROL MEASURES ASSOCIATED WITH THE SITE AND DRAINAGE IMPROVEMENTS. PLEASE SEE THE OVERALL SITE PREPARATION PLAN FOR DETAILS BOUNDARY AND SITE FEATURE INFORMATION.
2. APPROXIMATE IMPACTS TO THE SITE IS 671 SF.
3. CONTRACTOR SHALL VERIFY EXISTING INVERTS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO STARTING WORK.
4. REFER TO SHEET GN-001 FOR SITE PREPARATION, EROSION CONTROL, AND GENERAL CONSTRUCTION NOTES.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	10/22/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JGA/J	BP
2	11/12/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JGA/J	BP



SCALE:	HORIZ.: 1" = 10'
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CP-101

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No.	DATE	DESCRIPTION	JG/AJ	BP
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2	11/12/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ	BP



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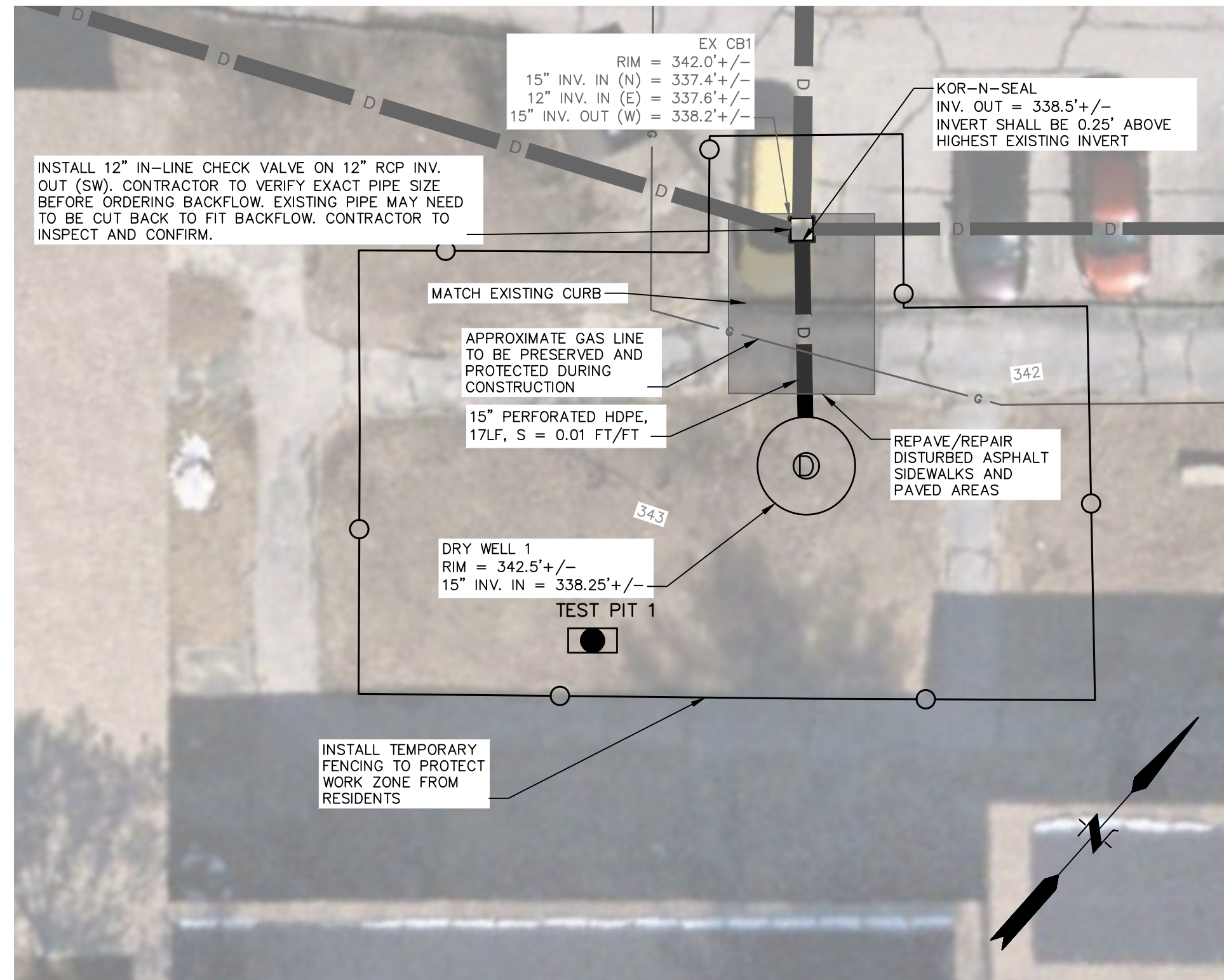
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THE BLVD GROUP
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 PLAN
 CONCORD ROYAL GARDENS
 CONCORD NEW HAMPSHIRE

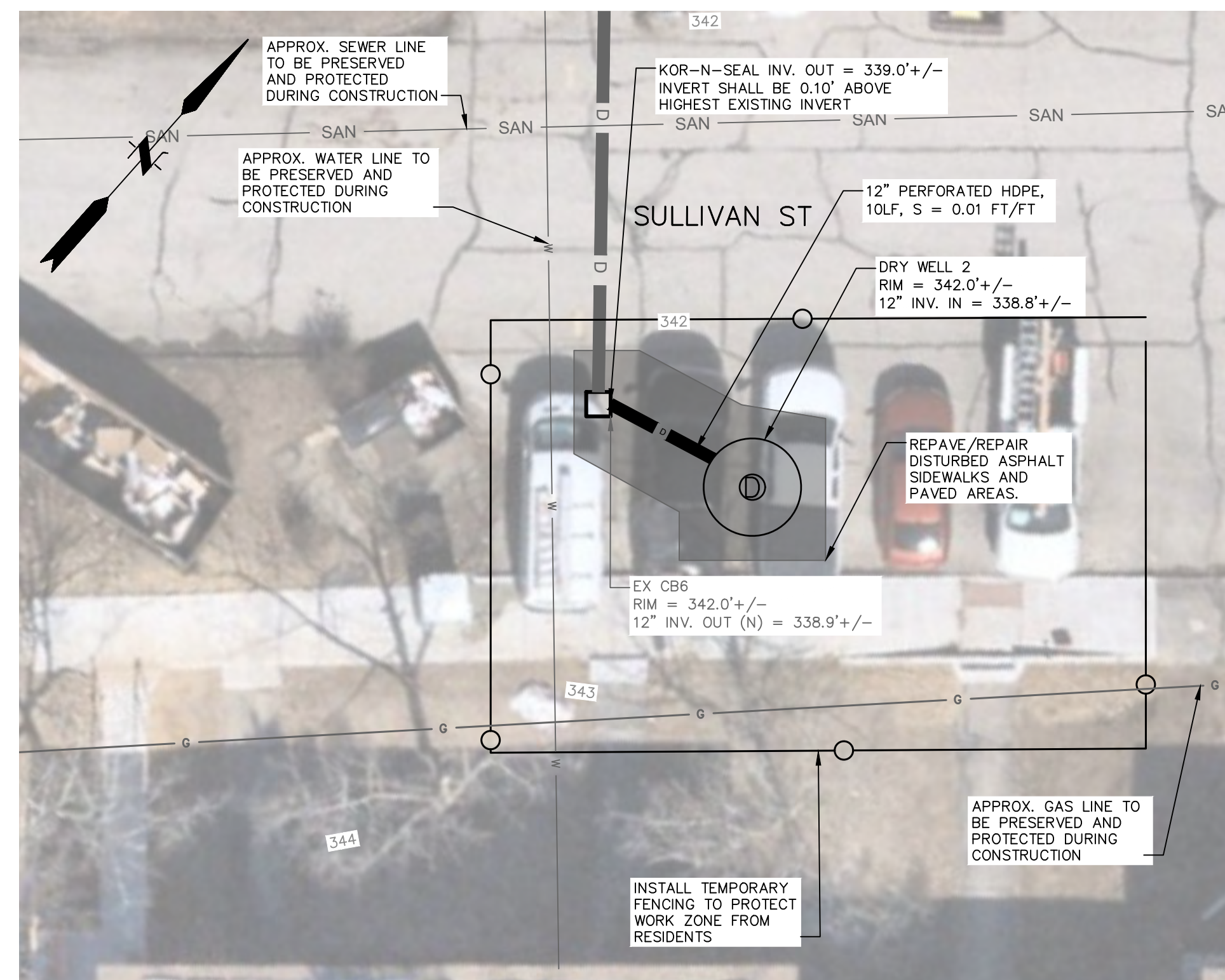
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CG-100

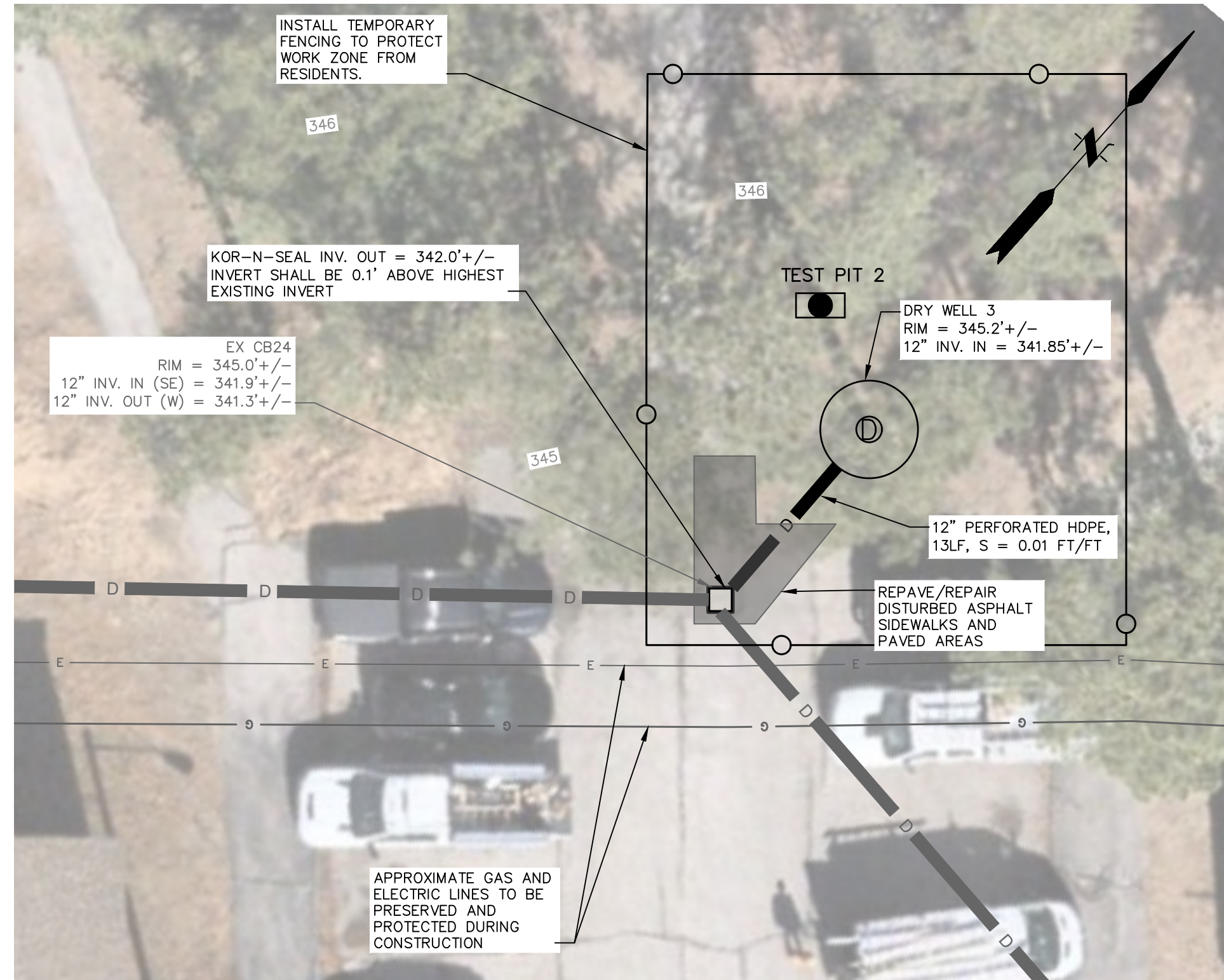
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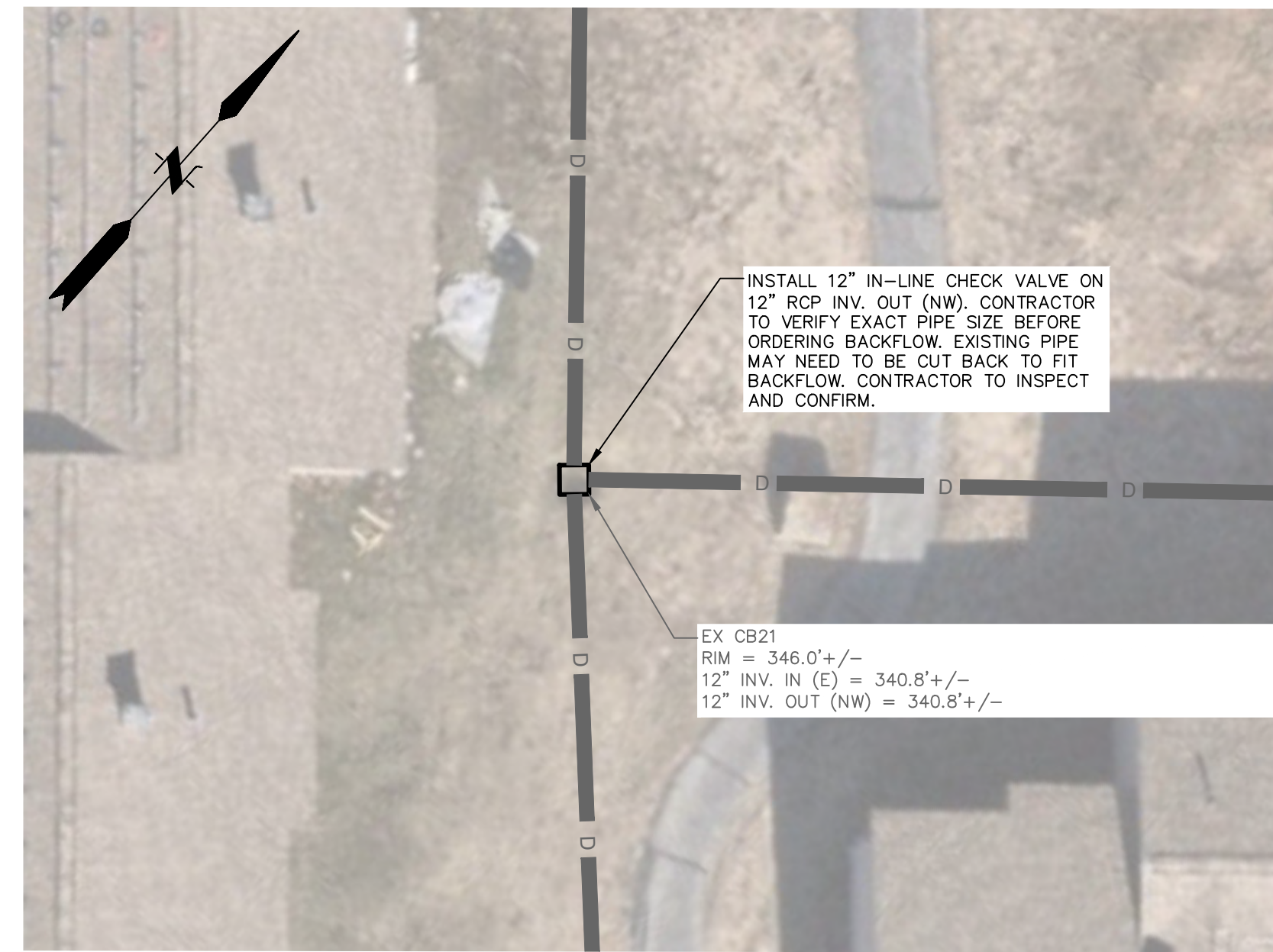
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 SCALE 1" = 10'



INSET 2
 SCALE 1" = 10'



INSET 3
 SCALE 1" = 10'

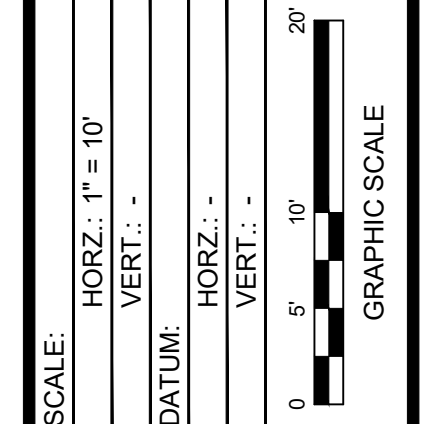
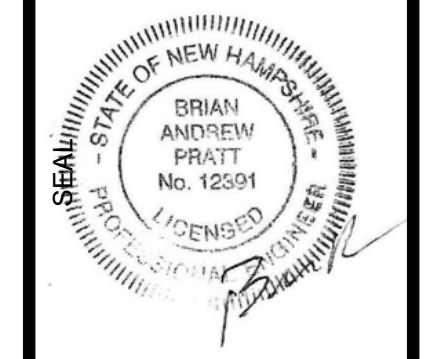


INSET 4
 SCALE 1" = 10'

NOTES:

1. THE INTENT OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS OF THE SUBJECT PARCEL AND THE PROPOSED WORK ASSOCIATED WITH THE SITE AND DRAINAGE IMPROVEMENTS. PLEASE SEE THE OVERALL SITE PREPARATION PLAN FOR DETAILS BOUNDARY AND SITE FEATURE INFORMATION.
2. CONTRACTOR SHALL VERIFY EXISTING INVERTS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO STARTING WORK.
3. APPROXIMATE IMPACTS TO THE SITE IS 671 SF.
4. REFER TO SHEET GN-001 FOR SITE RESTORATION AND GENERAL SITE NOTES.

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1	10/22/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ
2	11/12/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ



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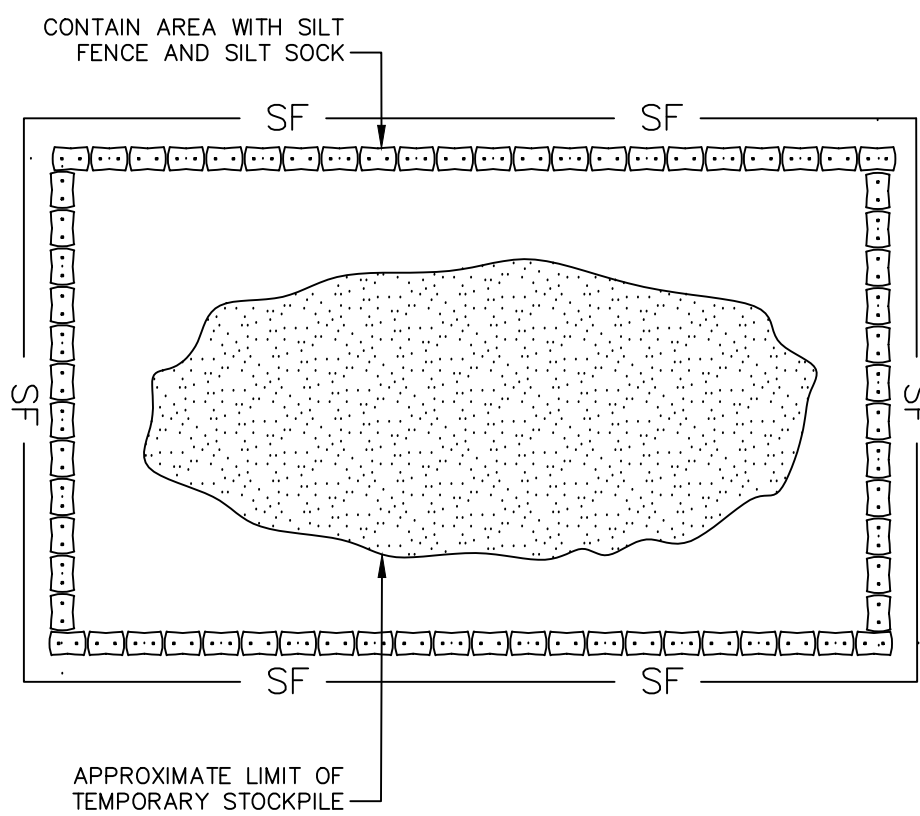
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EROSION AND SEDIMENT CONTROL NOTES

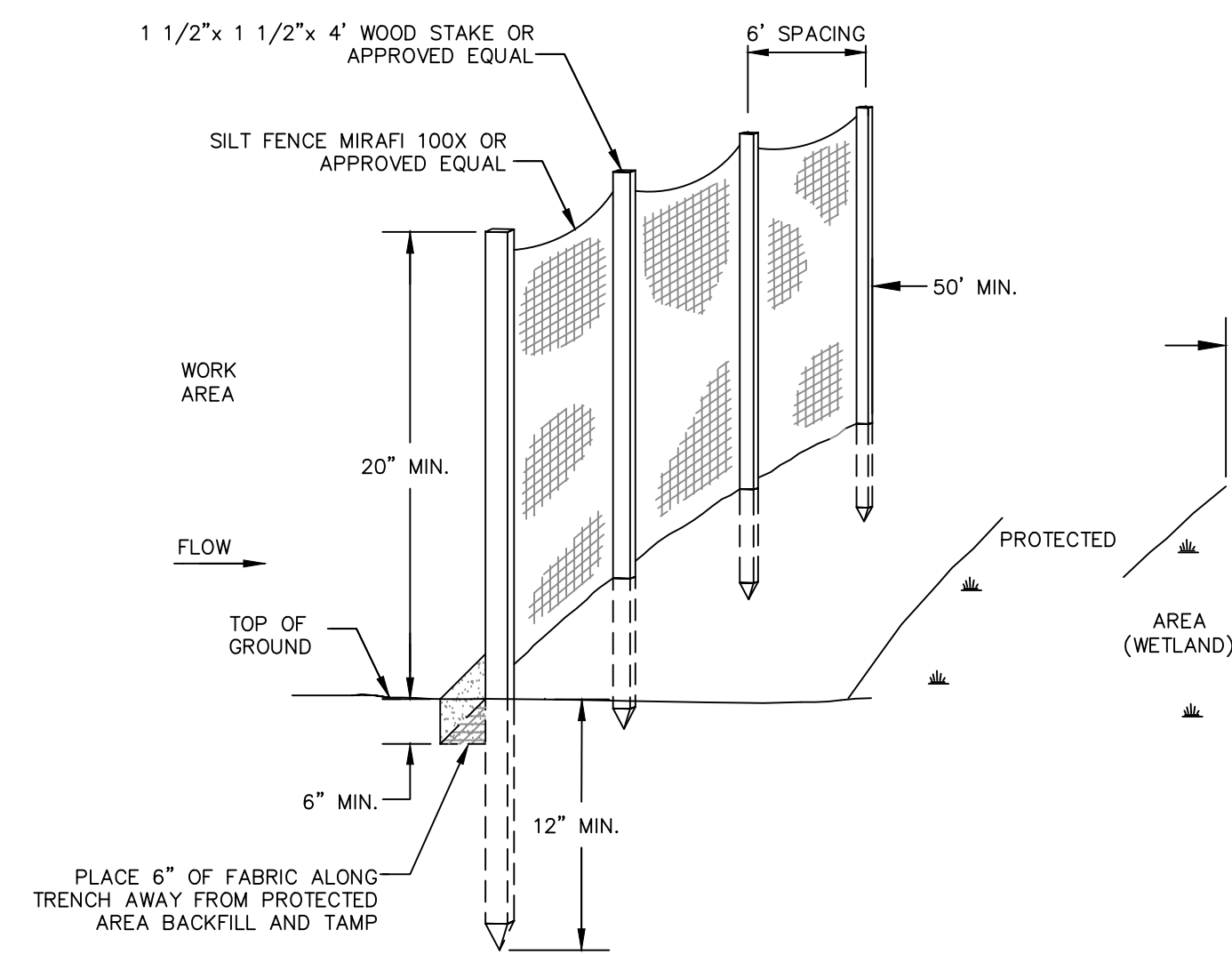
1. PROVIDE EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE.
2. IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN IN THE PLANS THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES STANDARDS. THE DETAILS PROVIDED SERVE AS A GUIDE ONLY.
4. INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER TYPICAL STANDARDS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
5. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE, THE PROPERTY OWNER SHALL BE REQUIRED TO PROVIDE THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE MUNICIPALITY.
6. ALL PROPOSED AND EXISTING CATCH BASINS, THAT MAY RECEIVE STORMWATER RUNOFF FROM THE DEVELOPMENT DURING CONSTRUCTION, SHOULD BE OUTFITTED WITH INLET PROTECTION.
7. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
8. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAINAGE.
9. THE CONTRACTOR SHALL INSPECT ALL TEMPORARY EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A STORM WITH RAINFALL AMOUNT GREATER THAN 0.25 INCHES. THE INSPECTIONS SHALL VERIFY THAT THE STRUCTURAL BMPs SHOWN AND DESCRIBED ON THE PLANS ARE IN GOOD CONDITION AND ARE MINIMIZING EROSION. A MAINTENANCE AND INSPECTION REPORT SHALL BE MADE WITH EACH INSPECTION. COMPLETED INSPECTION FORMS SHALL BE KEPT ON-SITE FOR THE DURATION OF THE PROJECT AND BE MADE AVAILABLE FOR REVIEW BY THE TOWN OF HOOKSETT UPON REQUEST.
10. ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, EXCEPT FOR SILT FENCE INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.04, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN WELDED PLASTIC, PLASTIC, OR MULTI-FILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH.
11. IF COMPLETED THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION CONTROL INSPECTION RECORDS SHALL BE MAINTAINED ON SITE AT ALL TIMES DURING CONSTRUCTION. DPW STAFF SHOULD ALSO BE COPIED ON PERMIT COMPLIANCE INCLUDING SUBMISSION OF THE SWPPP AND HAVE ACCESS TO EROSION CONTROL INSPECTION DOCUMENTS DURING CONSTRUCTION. SEE NPDES NOTES THIS SHEET.
12. CONTRACTOR SHALL ENSURE ALL TEMPORARY CONSTRUCTION INLET PROTECTION (DANDY SACKS) PLACED IN TOWN RIGHT OF WAYS ARE PROPERLY MAINTAINED JUST PRIOR TO AND/OR DURING LARGE STORM EVENTS TO PREVENT POTENTIAL STREET FLOODING. CONTRACTOR SHALL ENSURE THAT PROPOSED PERIMETER CONTROLS MANAGE ALL STORMWATER LEAVING THE SITE DURING CONSTRUCTION, INCLUDING SHEET FLOW ONTO ADJACENT PRIVATE PROPERTIES AND ANY TOWN PROPERTIES.

STORMWATER NOTES:

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN IN THE PLANS THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND MUNICIPALITY STANDARDS.
2. POST CONSTRUCTION, THE PROPERTY OWNER/OPERATOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL DRAINAGE AND STORMWATER PRACTICES. COORDINATE WITH THE TOWN IF INSPECTION AND MAINTENANCE RECORDS ARE REQUIRED TO BE PROVIDED TO THE TOWN, PERIODICALLY. REFER TO THE STORMWATER REPORT FOR THE OPERATION AND MAINTENANCE MANUAL.
3. WINTER DE-ICING PRODUCT SHALL BE APPLIED BY A GREEN SNOW PRO CERTIFIED CONTRACTOR. REFER TO THE INSPECTION AND MAINTENANCE MANUAL FOR THE WINTER MAINTENANCE AND SALT MINIMIZATION PLAN WITH ASSOCIATED INFORMATION. SALT SHALL NOT BE STORED ON SITE.



TEMPORARY SOIL STOCKPILE
NOT TO SCALE



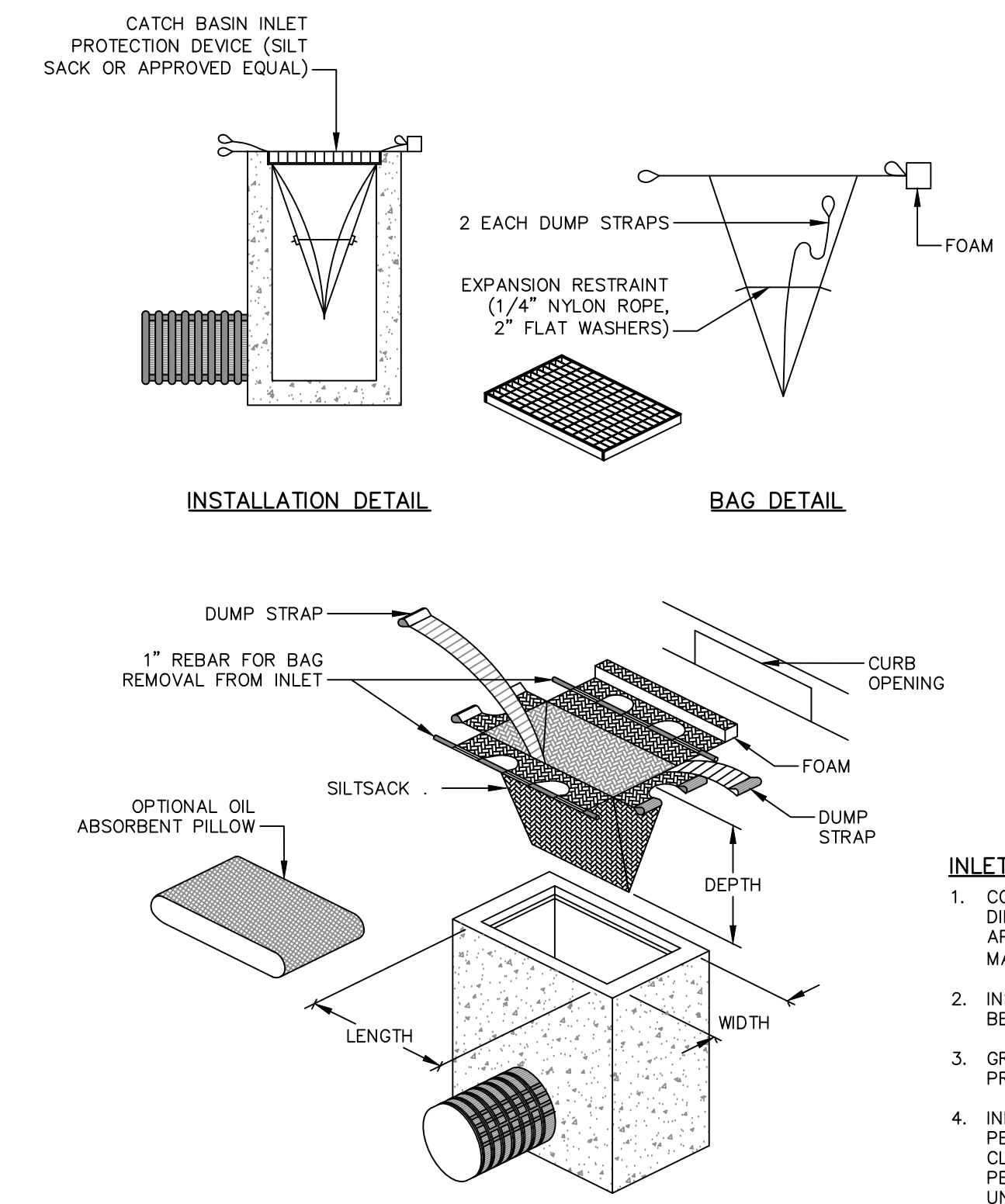
MAINTENANCE REQUIREMENTS:

1. FENCES SHOULD BE INSPECTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALLS.
2. SEDIMENT DEPOSITION SHOULD BE REMOVED, AT A MINIMUM, WHEN DEPOSITION ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FENCE, AND MOVED TO AN APPROPRIATE LOCATION SO THE SEDIMENT IS NOT READILY TRANSPORTED BACK TOWARD THE SILT FENCE.
3. SILT FENCES SHOULD BE REPAIRED IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF THE BARRIER, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHOULD BE REPLACED WITH A TEMPORARY CHECK DAM.
4. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHOULD BE REPLACED PROMPTLY.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHOULD BE DRESSED TO CONFORM TO THE EXISTING GRADE PREPARED AND SEEDED.
6. IF THERE IS EVIDENCE OF END FLOW ON PROPERLY INSTALLED BARRIERS, EXTEND BARRIERS UPHILL OR CONSIDER REPLACING THEM WITH OTHER MEASURES, SUCH AS TEMPORARY DIVERSIONS AND SEDIMENT TRAPS.
7. SILT FENCES HAVE A USEFUL LIFE OF ONE SEASON. ON LONGER CONSTRUCTION PROJECTS, SILT FENCE SHOULD BE REPAIRED PERIODICALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS.

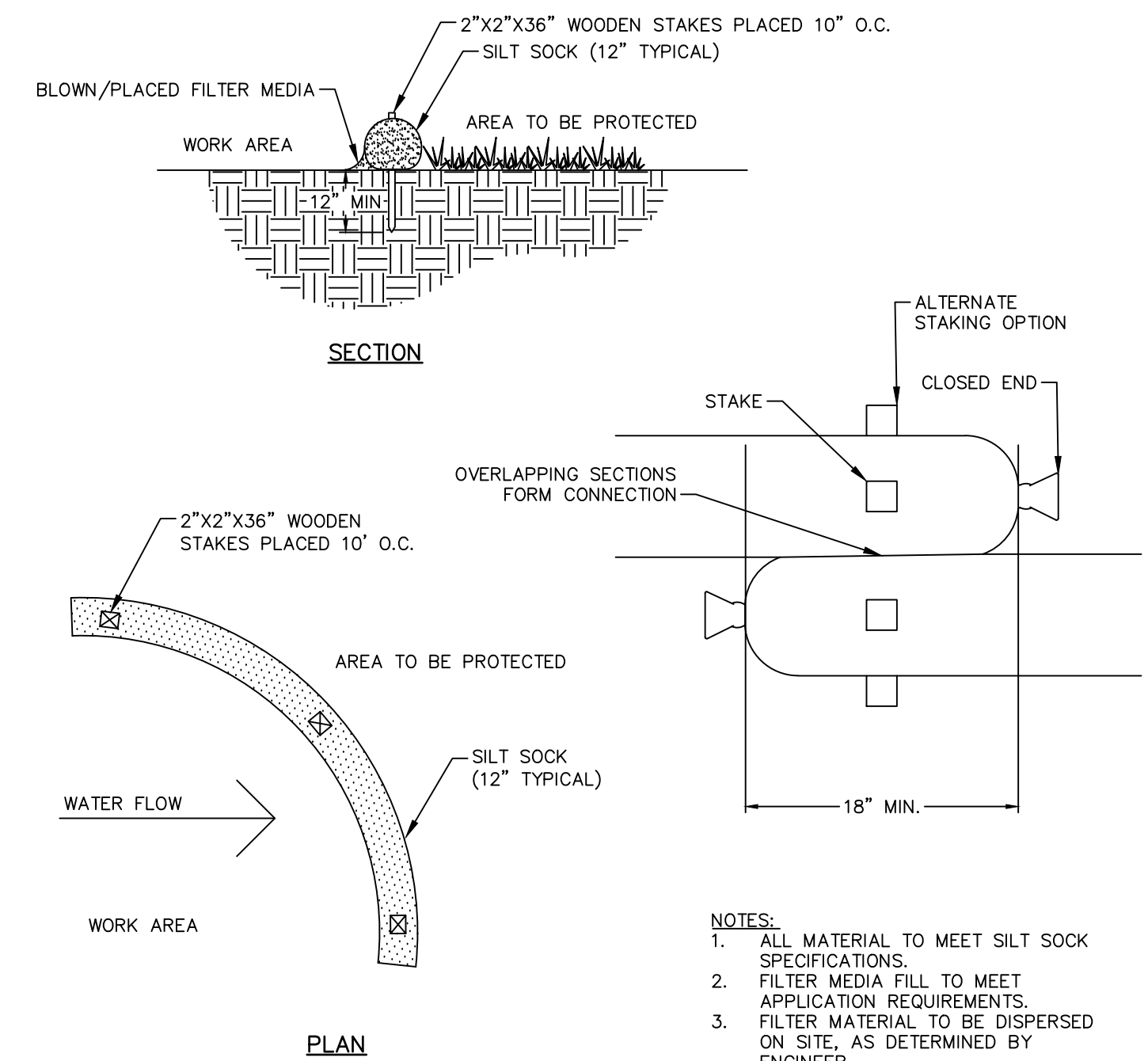
CONSTRUCTION SPECIFICATIONS:

1. FENCES SHOULD BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE FENCE. SEDIMENT BARRIERS SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA ABOVE THE FENCE SHOULD BE LESS THAN 1A ACRE PER 100 LINEAR FEET OF FENCE.
3. THE MAXIMUM LENGTH OF SLOPE ABOVE THE FENCE SHOULD BE 100 FEET.
4. THE MAXIMUM SLOPE ABOVE THE FENCE SHOULD BE 2:1.
5. FENCES SHOULD BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE, AND:
 - A. THE ENDS OF THE FENCE SHOULD BE FLARED UPSLOPE.
 - B. THE FABRIC SHOULD BE EMBEDDED A MINIMUM OF 6 INCHES IN DEPTH AND INCHES IN WIDTH IN A TRENCH EXCAVATED INTO THE GROUND, OR IF SITE CONDITIONS INCLUDE FROZEN GROUND, LEDGE, OR THE PRESENCE OF HEAVY ROOTS, THE BASE OF THE FABRIC SHOULD BE EMBEDDED WITH A MINIMUM THICKNESS OF 8 INCHES OF 3/4-INCH STONE.
 - C. THE SOIL SHOULD BE COMPACTED OVER THE EMBEDDED FABRIC.
 - D. SUPPORT POSTS SHOULD BE SIZED AND ANCHORED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS WITH MAXIMUM POST SPACING OF 6 FEET.
 - E. ADJOINING SECTIONS OF THE FENCE SHOULD BE OVERLAPPED BY A MINIMUM OF 6 INCHES (24 INCHES IS PREFERRED), FOLDED AND STAPLED TO A SUPPORT POST. IF METAL POSTS ARE USED, FABRIC SHOULD BE WIRE-TIED DIRECTLY TO THE POSTS WITH THREE DIAGONAL TIES.
6. SILT FENCING SHOULD NOT BE STAPLED OR NAILED TO TREES.
7. THE FILTER FABRIC SHOULD BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHOULD BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER.
8. THE FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 DEGREES FAHRENHEIT TO 120 DEGREES FAHRENHEIT.
9. THE STANDARD STRENGTH OF FILTER FABRIC SHOULD BE STAPLED OR WIRED TO THE POST, AND 8 INCHES OF THE FABRIC SHOULD BE EXTENDED INTO THE TRENCH. THE FABRIC SHOULD NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
10. THE TRENCH SHOULD BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
11. SILT FENCE MAY BE INSTALLED BY "SLICING" USING MECHANICAL EQUIPMENT SPECIFICALLY DESIGNED FOR THIS PROCEDURE. THE SLICING METHOD USES AN IMPLEMENT TOWED BEHIND A TRACTOR TO "FLOW" OR SLICE THE SILT FENCE MATERIAL INTO THE SOIL. THE SLICING METHOD MINIMALLY DISRUPTS THE SOIL UPWARD AND SLIGHTLY DISPLACES THE SOIL, MAINTAINING THE SOIL'S PROFILE AND CREATING AN OPTIMAL CONDITION FOR SUBSEQUENT MECHANICAL COMPACTION.
12. SILT FENCES SHOULD BE INSTALLED WITH "SMILES" OR "J-HOOKS" TO REDUCE THE DRAINAGE AREA THAT ANY SEGMENT WILL IMPOUND.
13. THE ENDS OF THE FENCE SHOULD BE TURNED UPHILL.
14. SILT FENCES PLACED AT THE TOE OF A SLOPE SHOULD BE SET AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND TO ALLOW FOR MAINTENANCE ACCESS WITHOUT DISTURBING THE SLOPE.
15. SILT FENCES SHOULD BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILT FENCE BARRIER
NOT TO SCALE



CATCH BASIN INLET PROTECTION
NOT TO SCALE



MAINTENANCE REQUIREMENTS:

1. SILT SOCK SHOULD BE INSPECTED AND MAINTAINED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALLS.
2. SEDIMENT DEPOSITION SHOULD BE REMOVED, AT A MINIMUM, WHEN DEPOSITION ACCUMULATES TO ONE-HALF THE HEIGHT OF THE SOCK, AND MOVED TO AN APPROPRIATE LOCATION SO THE SEDIMENT IS NOT READILY TRANSPORTED BACK TOWARD THE SILT SOCK.
3. SILT SOCK SHOULD BE REPAIRED IMMEDIATELY IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF THE BARRIER, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHOULD BE REPLACED WITH A TEMPORARY CHECK DAM.
4. SHOULD THE FABRIC ON A SILT SOCK DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHOULD BE REPLACED PROMPTLY.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT SOCK IS NO LONGER REQUIRED SHOULD BE DRESSED TO CONFORM TO THE EXISTING GRADE PREPARED AND SEEDED.
6. IF THERE IS EVIDENCE OF END FLOW ON PROPERLY INSTALLED BARRIERS, EXTEND BARRIERS UPHILL OR CONSIDER REPLACING THEM WITH OTHER MEASURES, SUCH AS TEMPORARY DIVERSIONS AND SEDIMENT TRAPS.
7. SILT SOCKS HAVE A USEFUL LIFE OF ONE SEASON. ON LONGER CONSTRUCTION PROJECTS, SILT SOCKS SHOULD BE REPAIRED PERIODICALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS.

CONSTRUCTION SPECIFICATIONS:

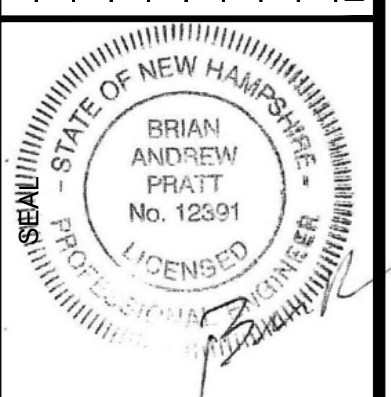
1. SILT SOCKS SHOULD BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE SILT SOCK. SEDIMENT BARRIERS SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA ABOVE THE SILT SOCK SHOULD BE LESS THAN 1 ACRE PER 100 LINEAR FEET OF COMPOST SOCK.
3. THE MAXIMUM LENGTH OF SLOPE ABOVE THE SILT SOCK SHOULD BE 100 FEET.
4. THE MAXIMUM SLOPE ABOVE THE SILT SOCK SHOULD BE 2:1.
5. SILT SOCKS SHOULD BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE, AND THE ENDS OF THE COMPOST SOCK SHOULD BE FLARED UPSLOPE.
6. SILT SOCKS PLACED AT THE TOE OF A SLOPE SHOULD BE SET AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND TO ALLOW FOR MAINTENANCE ACCESS WITHOUT DISTURBING THE SLOPE.

SILT SOCK
NOT TO SCALE

INLET PROTECTION NOTES:

1. CONTRACTOR SHALL MEASURE CATCH BASIN DIMENSIONS AND PROVIDE APPROPRIATELY-SIZED DEVICES PER MANUFACTURER'S REQUIREMENTS.
2. INSTALL INLET PROTECTION IN CATCH BASIN BEFORE COMMENCING ANY ROADWORK.
3. GRATE TO BE PLACED OVER INLET PROTECTION.
4. INLET PROTECTION SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS. CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH TOPSOIL AND GRASS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	10/22/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ	BP
2	11/12/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ	BP



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VERT: -	

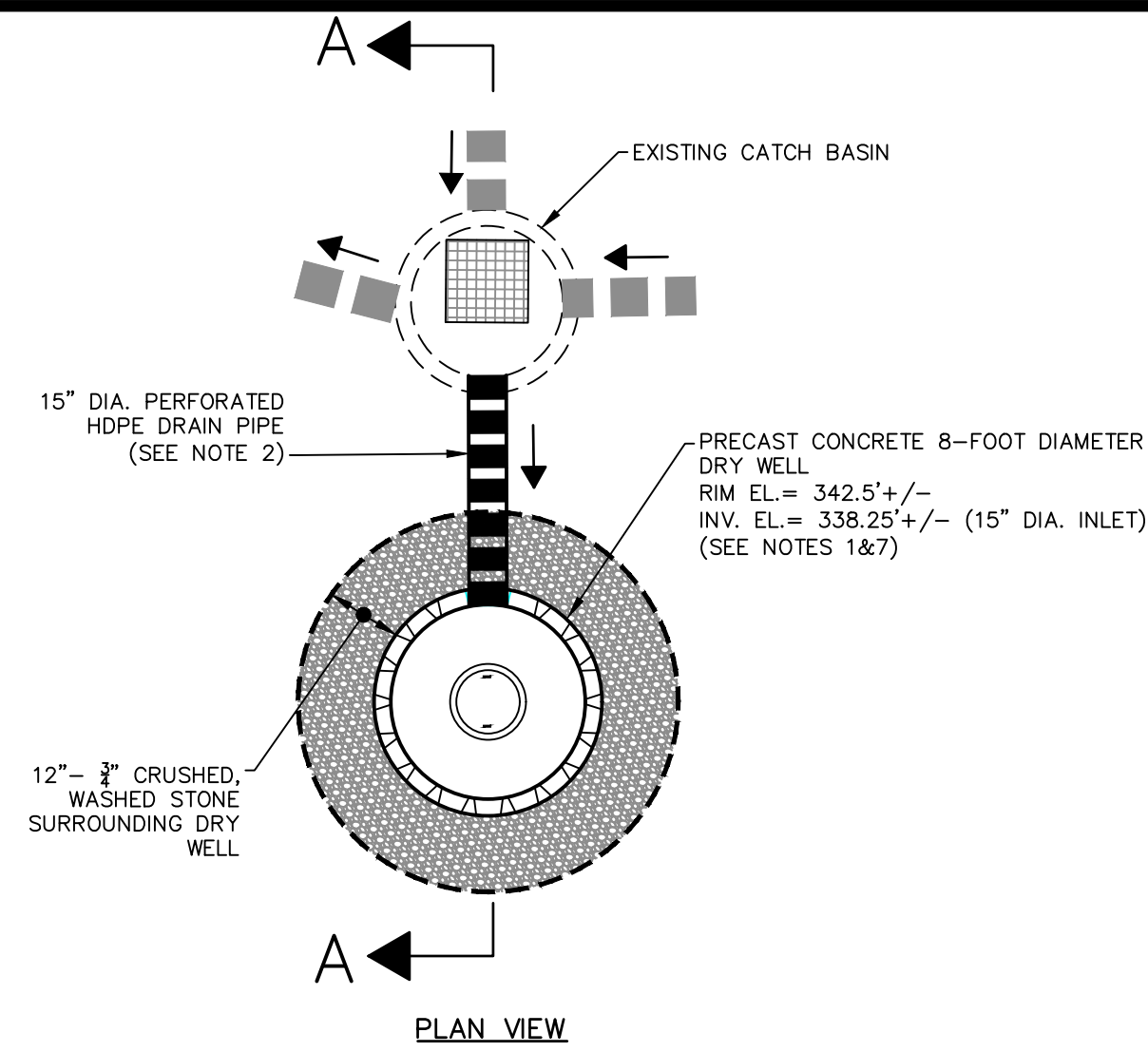
FUSS & O'NEILL
5 FLETCHER STREET, SUITE 1
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www.fandob.com

THE BLVD GROUP
CONSTRUCTION DETAILS
CONCORD ROYAL GARDENS
CONCORD
NEW HAMPSHIRE

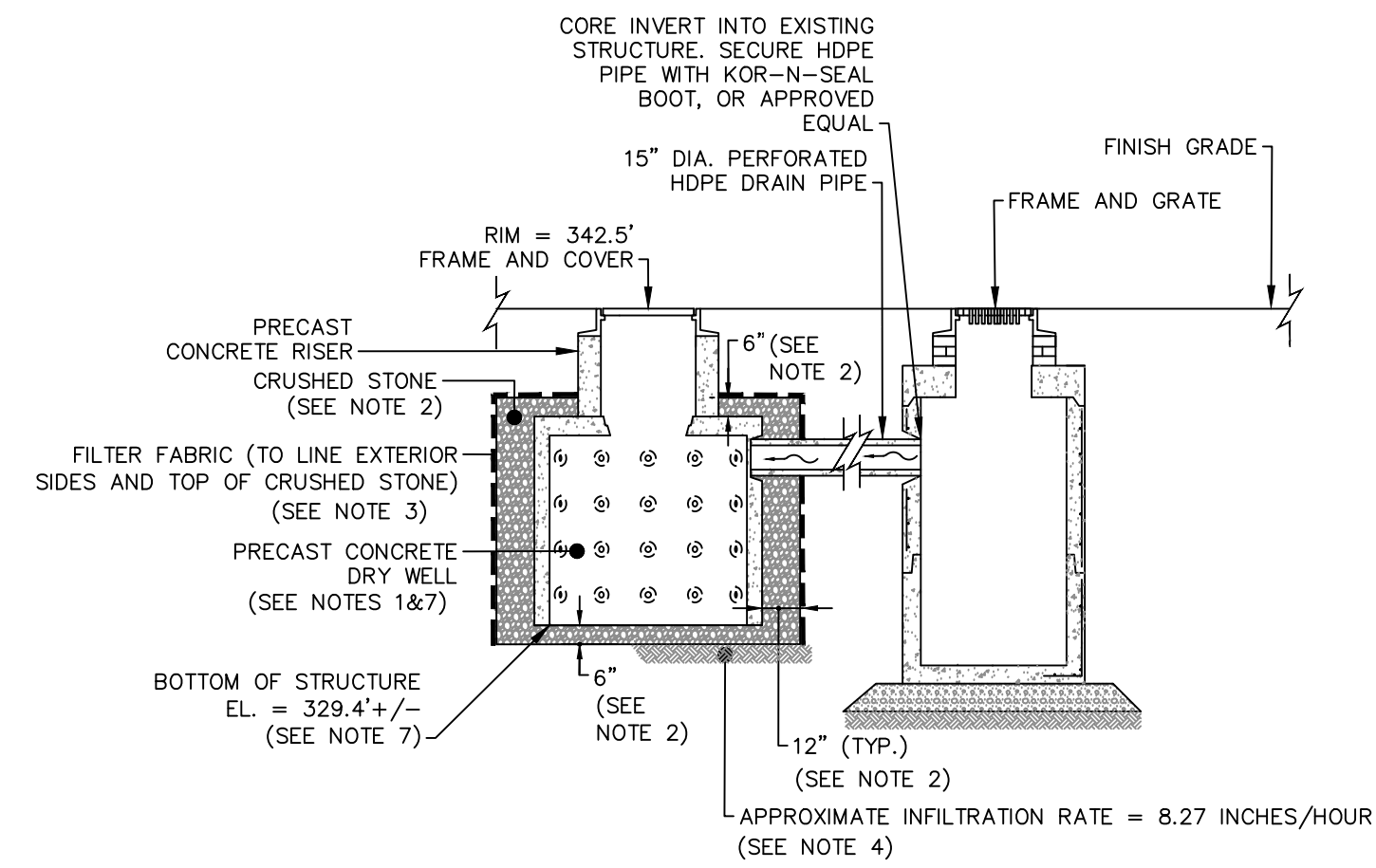
PROJ. No.: 20241373.A10
DATE: 08/11/2025

CD-501

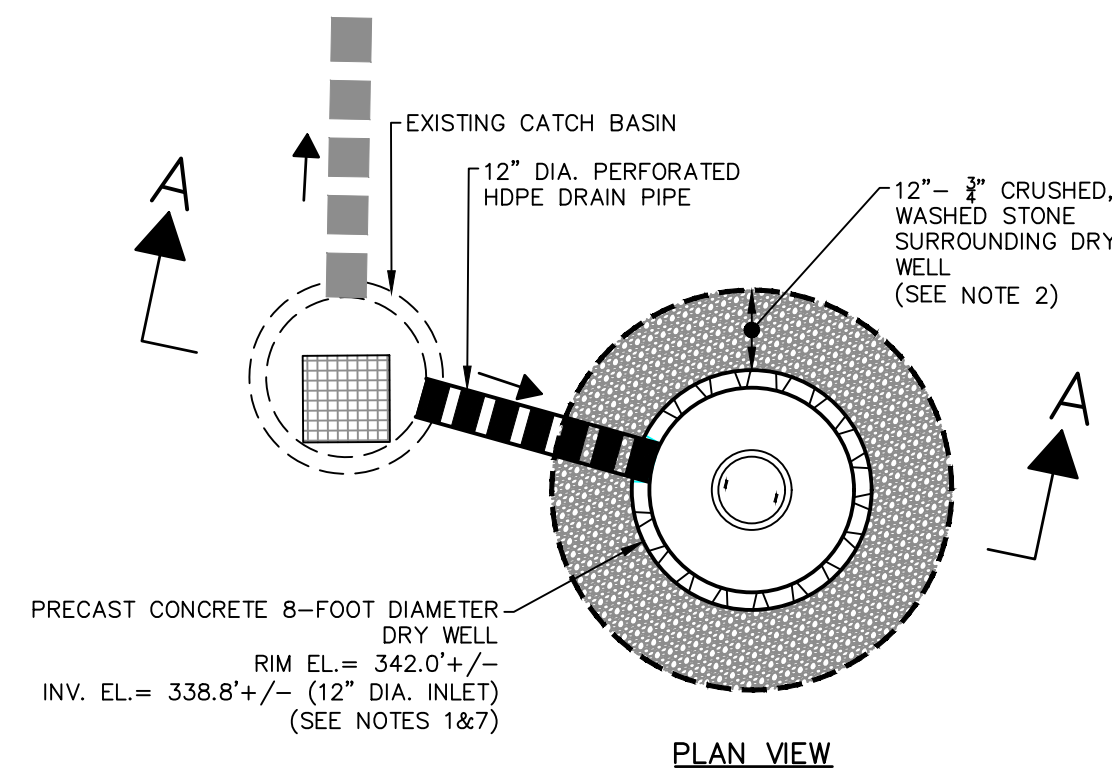
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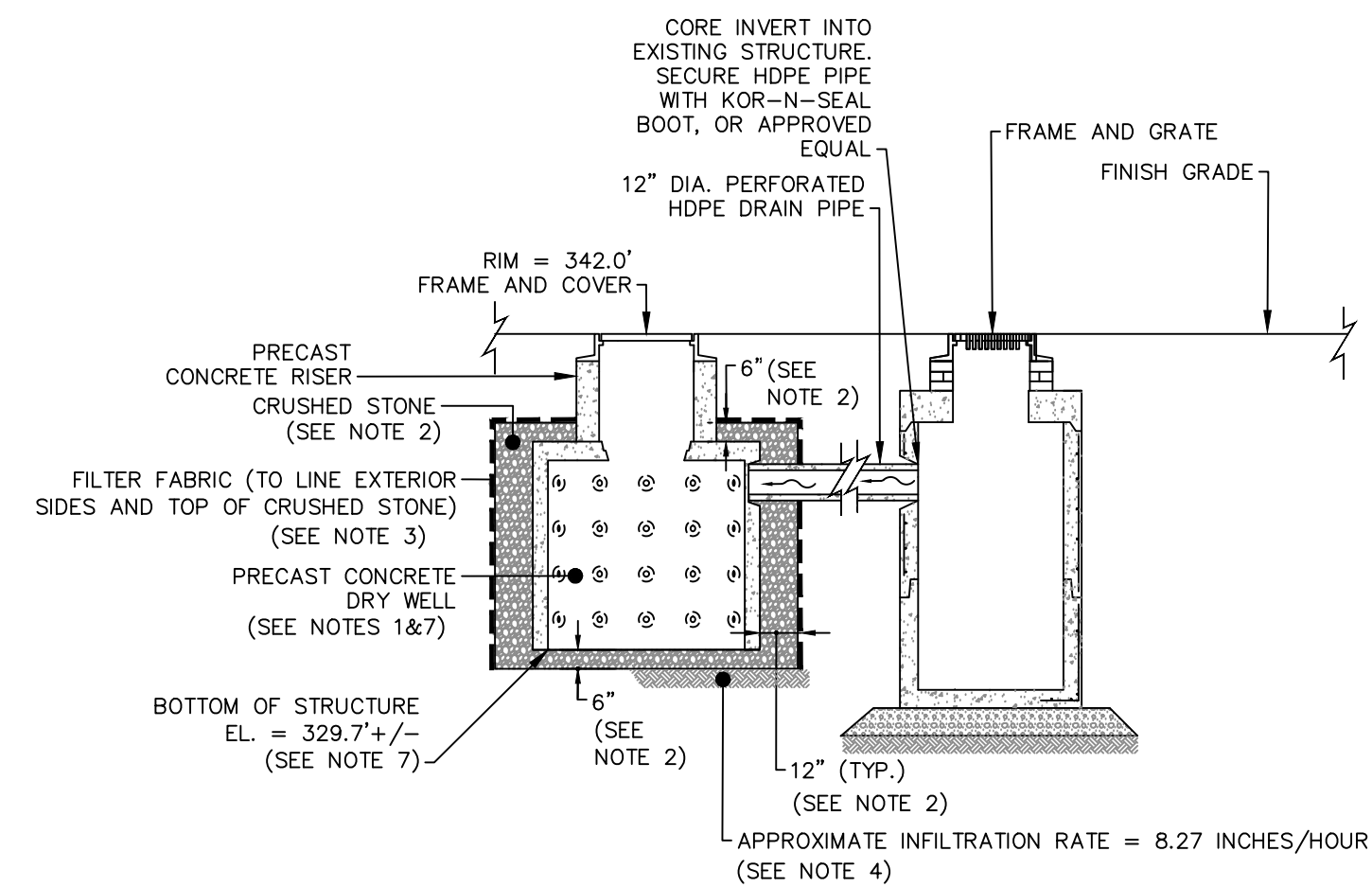
DRY WELL 1



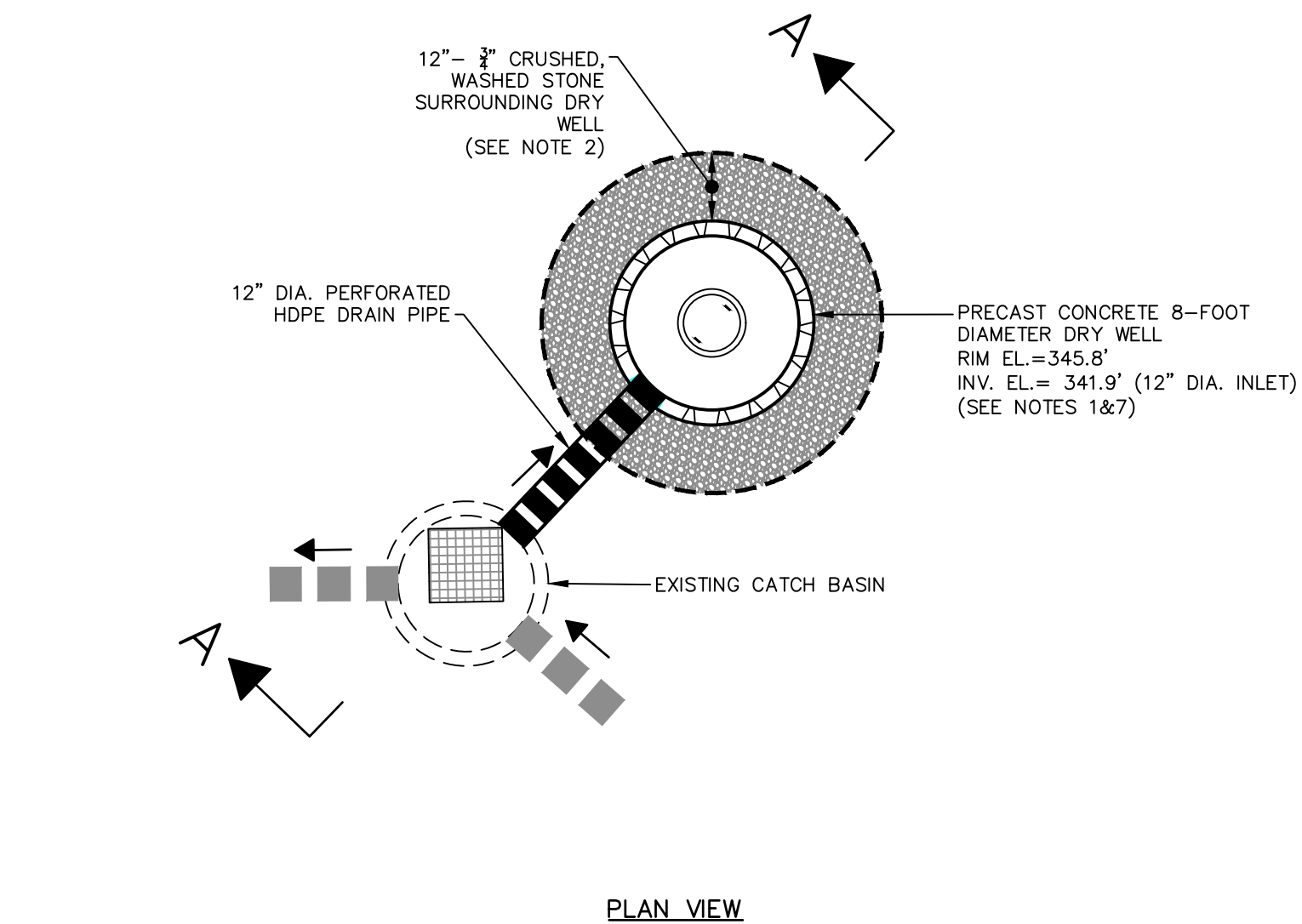
SECTION VIEW



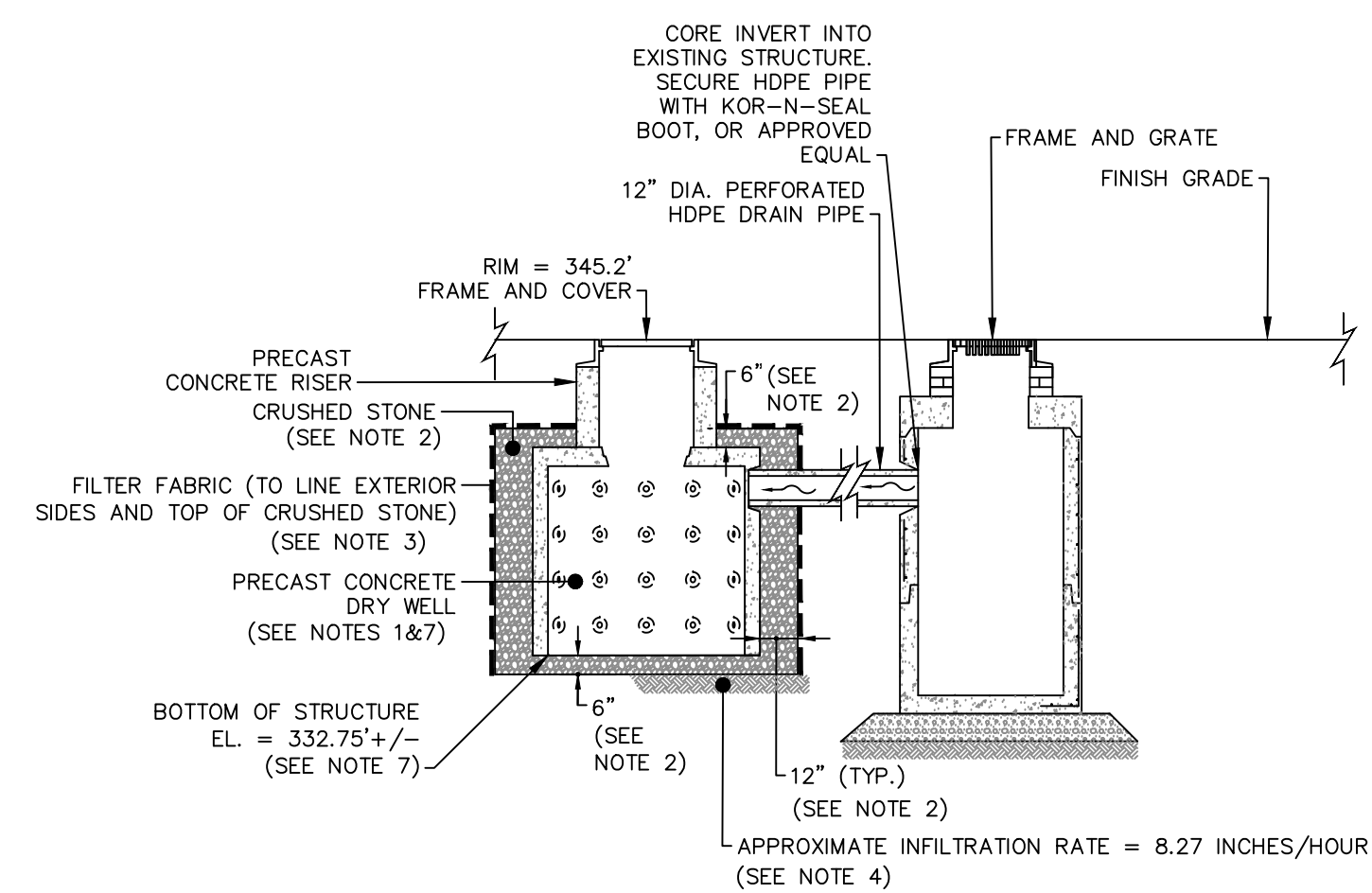
DRY WELL 2



SECTION VIEW



DRY WELL 3



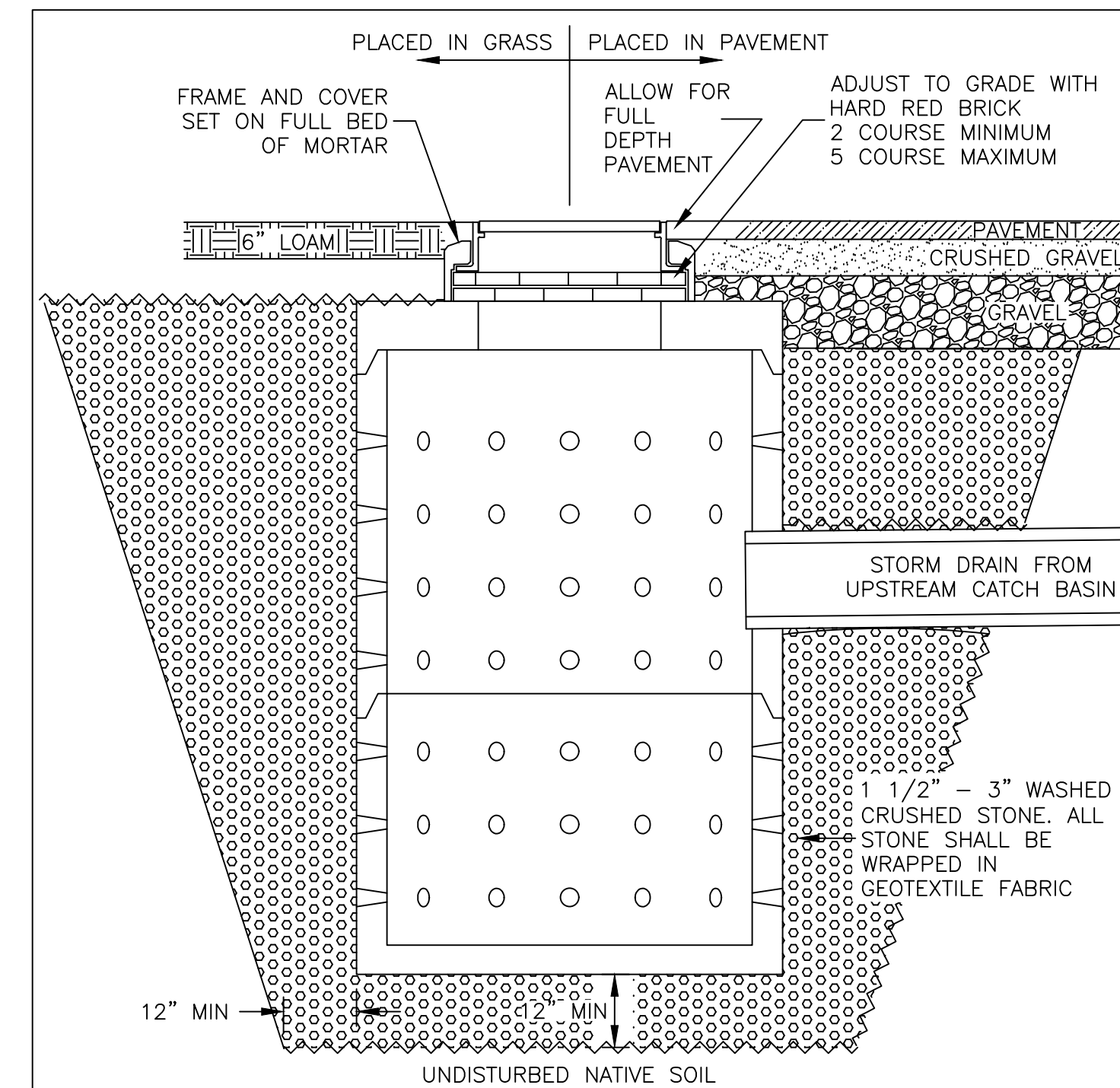
SECTION VIEW

TEST PIT 1 DATA LOG				
DEPTH	COLOR	TEXTURE	STRUCTURE/CONSISTENCY	NOTES
0-4"		ORGANIC/GRASS		
4'-120"	10Y 5	SAND	SINGLE GRAIN/LOOSE	VERY SANDY, WELL DRAINED SOILS. NO WATER TABLE.

ROOTS: N/A
 ESHWT: N/A
 LOGGED BY: BRIAN PRATT (FUSS & O'NEILL) ON JULY 18, 2025

TEST PIT 2 DATA LOG				
DEPTH	COLOR	TEXTURE	STRUCTURE/CONSISTENCY	NOTES
0-4"		ORGANIC/GRASS		
4'-120"	10Y 5	SAND	SINGLE GRAIN/LOOSE	VERY SANDY, WELL DRAINED SOILS. NO WATER TABLE.

ROOTS: 12"
 ESHWT: N/A
 LOGGED BY: BRIAN PRATT (FUSS & O'NEILL) ON JULY 18, 2025



- NOTES:**
1. DRY WELLS SHALL BE PAIRED WITH AN UPSTREAM CATCH BASIN WITH 3' SUMP AND OIL/SEDIMENT CONTROL BARRIER TO ADDRESS THE CITY'S PRETREATMENT REQUIREMENTS
 2. CONCRETE: 4,000 PSI AFTER 28 DAYS
 3. ALL PRECAST COMPONENTS SHALL BE DESIGNED FOR H-20 LOADING
 4. DEPTHS AND WIDTHS OF STRUCTURE AND CRUSHED STONE VARIES PER STORMWATER CALCULATIONS
 5. SHALL BE INSTALLED IN GRANULAR WELL DRAINED SOILS.

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: STORM DRAIN
1	NOTES/SLOPES	3/19		
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DRYWELL

DRAWING NO. SD-11
 DATE: 3/15 PAGE: 1

SD11_STRM-Dry Well_2.dwg

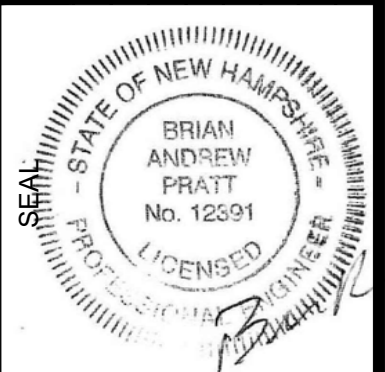
DRY WELL NOTES:

1. THE DRY WELL SHALL BE 2800 GALLON 8-FT DIAMETER DRY WELL CHAMBER MANUFACTURED BY SHEA CONCRETE, OR APPROVED EQUAL.
2. CRUSHED STONE SHALL CONSIST OF CLEAN, WASHED 3" CRUSHED STONE. CRUSHED STONE SHALL ENCOMPASS DRY WELL BY A MINIMUM OF 6 INCHES ON ITS BOTTOM AND TOP AND A MINIMUM OF 12 INCHES ON ITS SIDES.
3. FILTER FABRIC SHALL COMPLY WITH SECTION 593 OF THE NHDOT STANDARD SPECIFICATION AND SHALL BE LISTED ON NHDOT'S QUALIFIED PRODUCTS LIST AS A FABRIC SUITABLE FOR SUBSURFACE DRAINAGE.
4. IN-SITU INFILTRATION RATES MUST EXCEED 0.5 INCHES/HOUR TO BE SUITABLE FOR INFILTRATION.
5. THE BOTTOM OF THE INFILTRATION SYSTEM (I.E. CRUSHED STONE BENEATH THE DRY WELL) MUST BE AT LEAST 36" ABOVE THE SEASONAL HIGH GROUNDWATER TABLE (SHGT)/BEDROCK.
6. THE BOTTOM OF THE LEACHING CATCH BASIN AND SURROUNDING CRUSHED STONE SHALL BE LEVEL TO PROMOTE INFILTRATION AND EVEN FLOW DISTRIBUTION. DRY WELL SYSTEMS (I.E. CONSISTING OF MULTIPLE DRY WELLS) INSTALLED IN SLOPED AREAS MAY BE TERRACED TO ACHIEVE A LEVEL BOTTOM, IF APPLICABLE.
7. INVERTS AND RIM ELEVATIONS ARE APPROXIMATE BASED ON LIDAR NOAA 1-FIT CONTOUR DATA. ALL EXISTING INVERTS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO START OF WORK. IF THERE IS A VARIATION IN THE DESIGN DUE TO FIELD MEASUREMENTS, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO STRUCTURE PROCUREMENT.

PRECAST CONCRETE DRY WELL

NOT TO SCALE

NO.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	10/22/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ	BP
2	11/12/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JG/AJ	BP



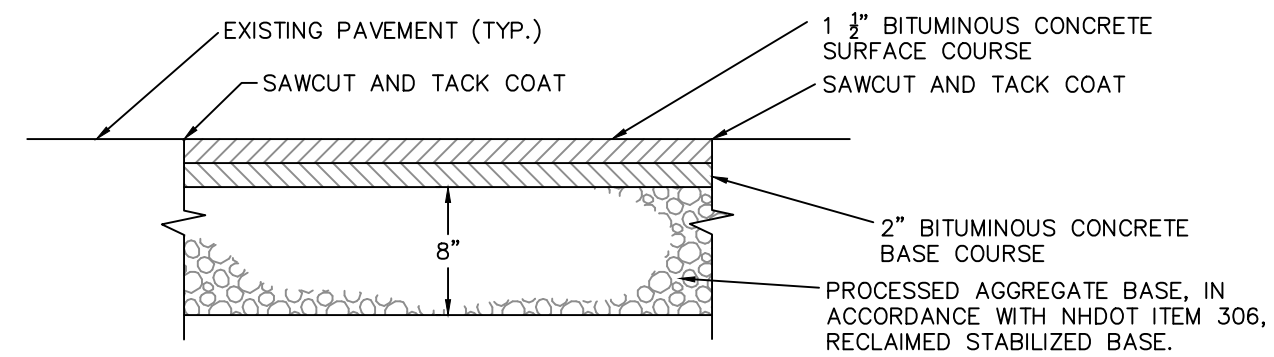
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DATUM:	HORIZ: -
VERT:	-

FUSS & O'NEILL
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THE BLVD GROUP
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 NEW HAMPSHIRE

PROJ. No.: 20241373.A10
 DATE: 08/11/2025

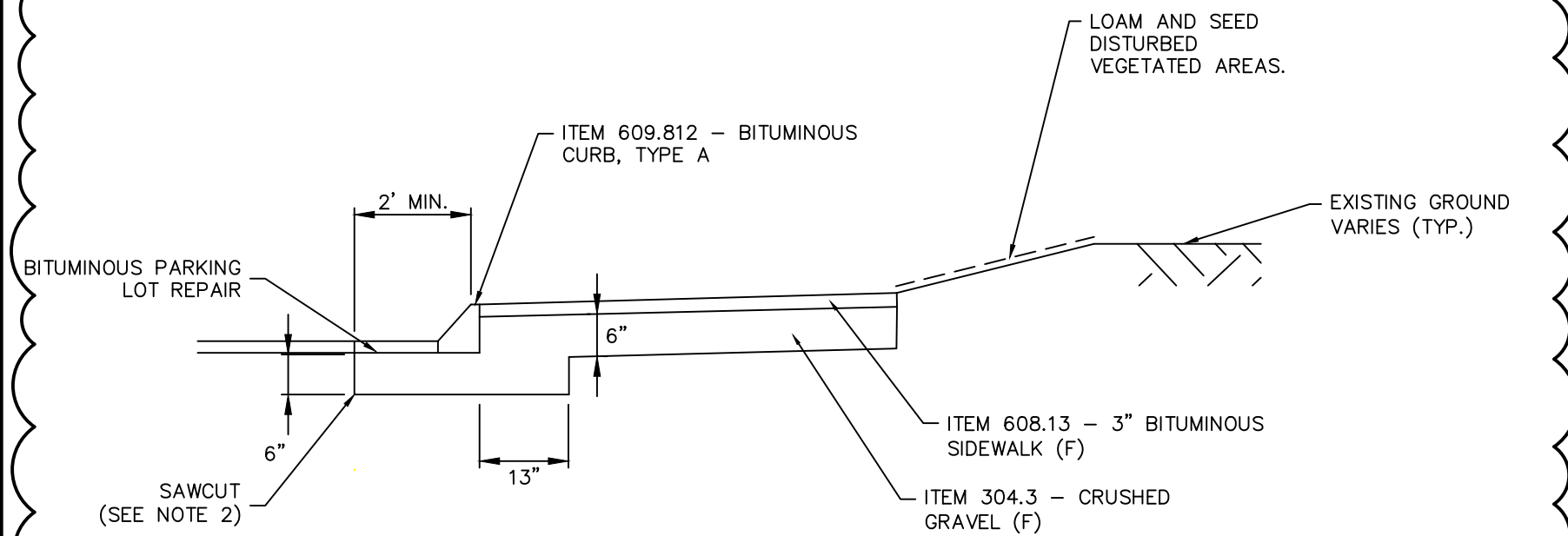
CD-502



NOTE:
USE DEPTH OF PAVEMENT AS DESCRIBED IN DETAIL OR MATCH EXISTING PAVEMENT AS OBSERVED IN FIELD.

BITUMINOUS PARKING LOT REPAIR

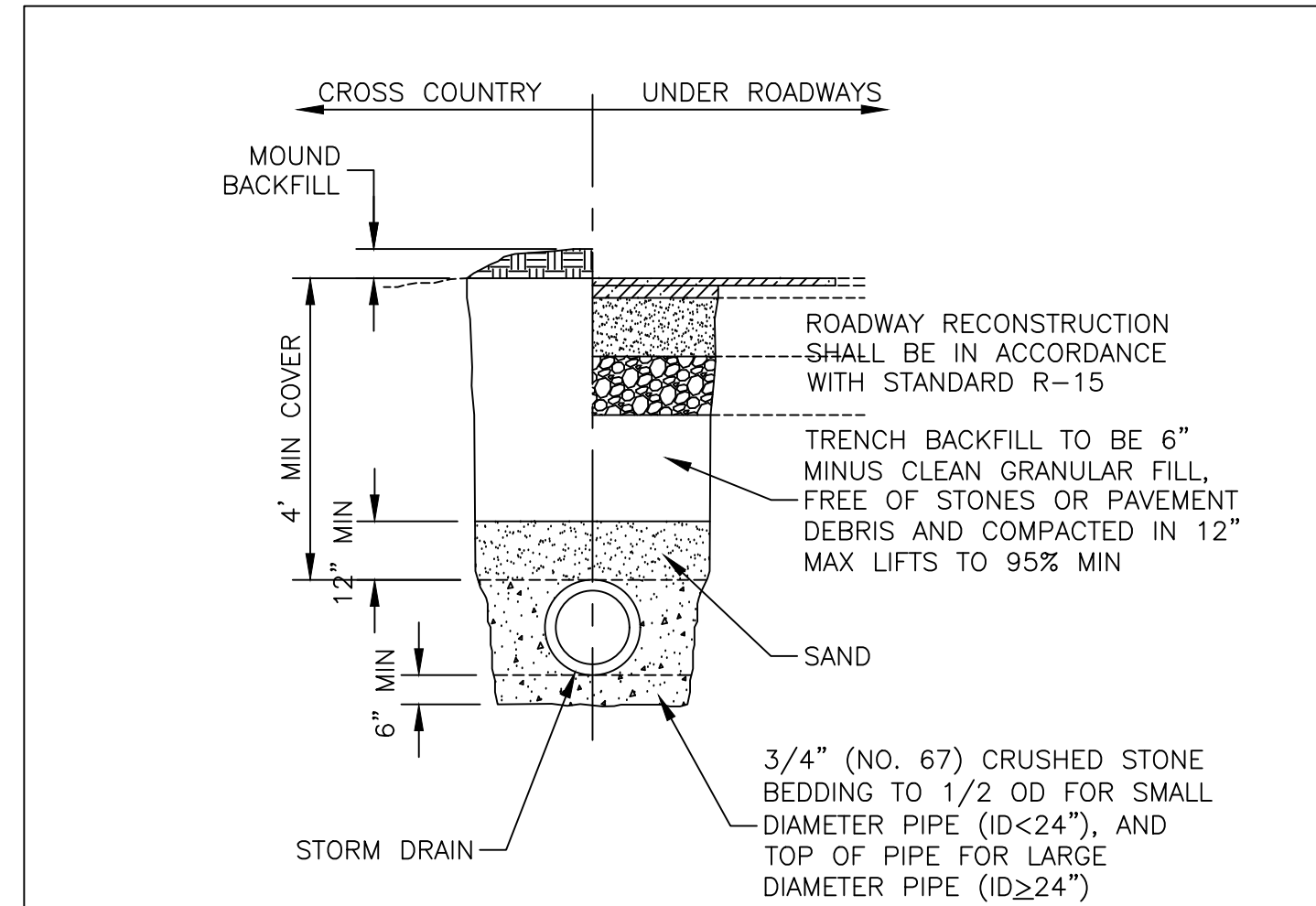
NOT TO SCALE



NOTE:
1. USE DEPTH OF SIDEWALK AS DESCRIBED IN DETAIL OR MATCH EXISTING SIDEWALK AS OBSERVED IN FIELD.
2. REFER TO CITY OF CONCORD ENGINEERING SERVICES DIVISION DETAIL R-12 SAWCUT REQUIREMENTS.

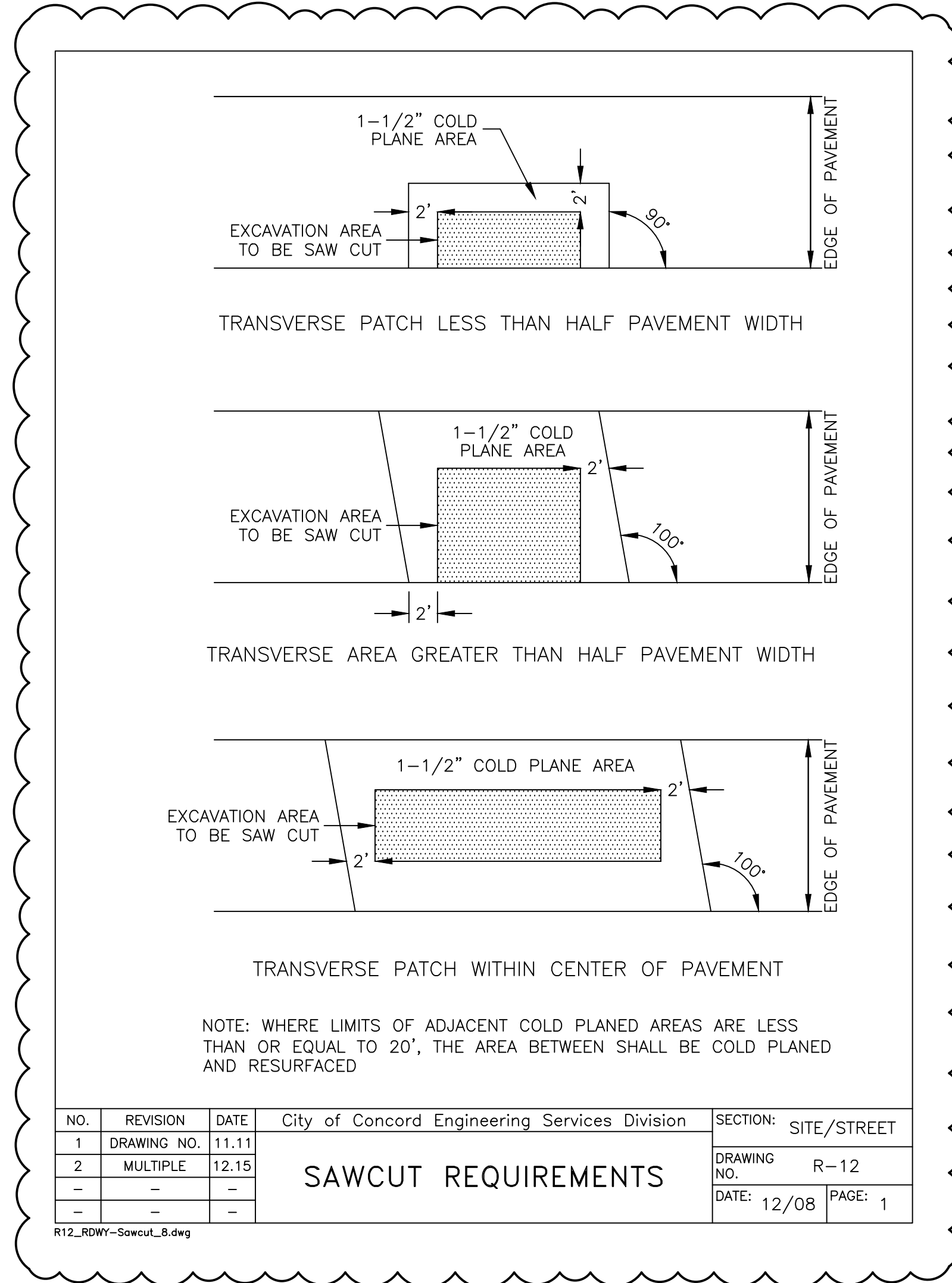
BITUMINOUS SIDEWALK REPAIR

NOT TO SCALE



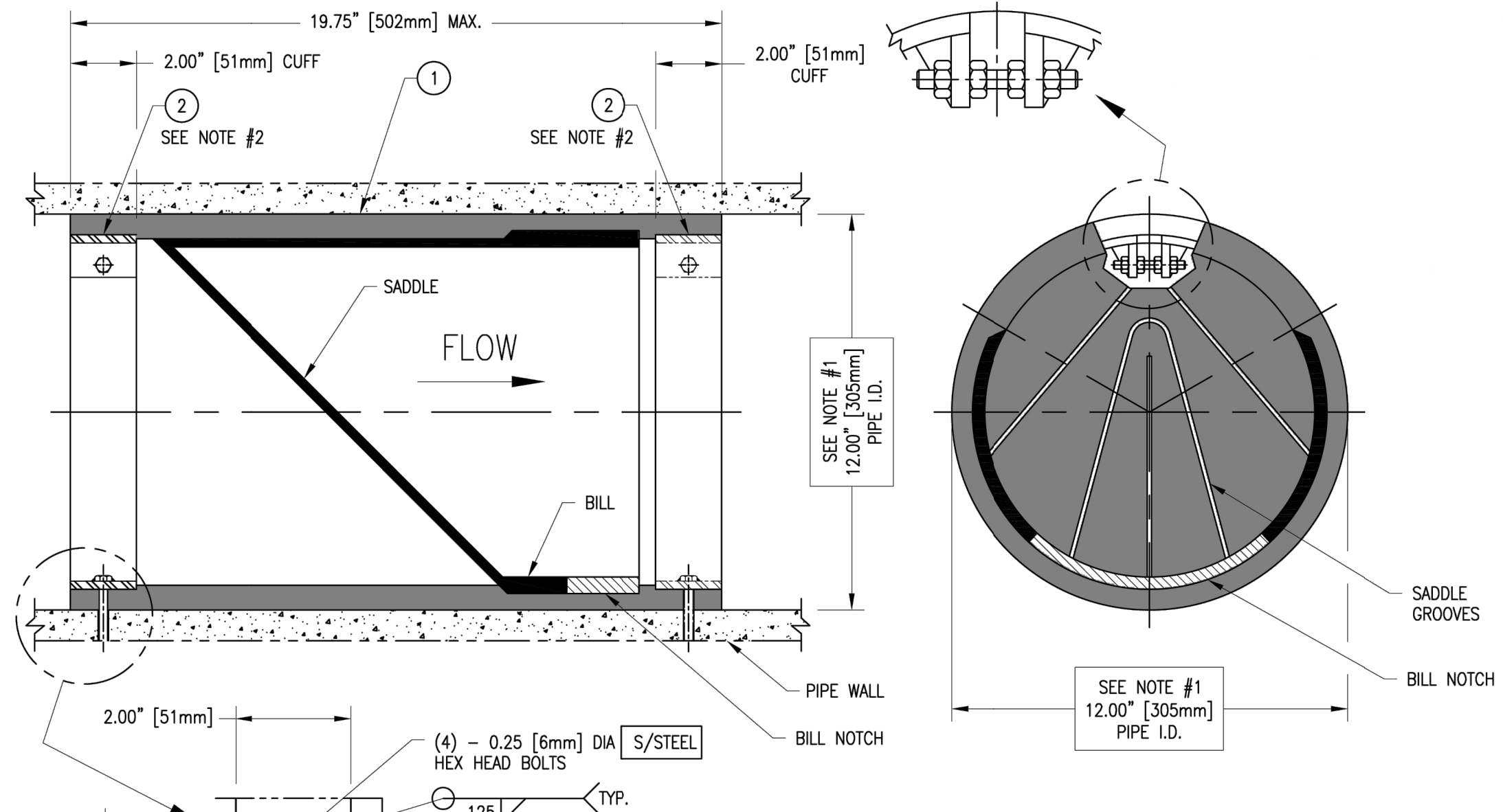
NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION:	STORM
1	Standard Reference	01.19		DRAWING NO.	SD-1
				DATE:	04/15
				PAGE:	1

SD1_Storm Drain Trench.dwg

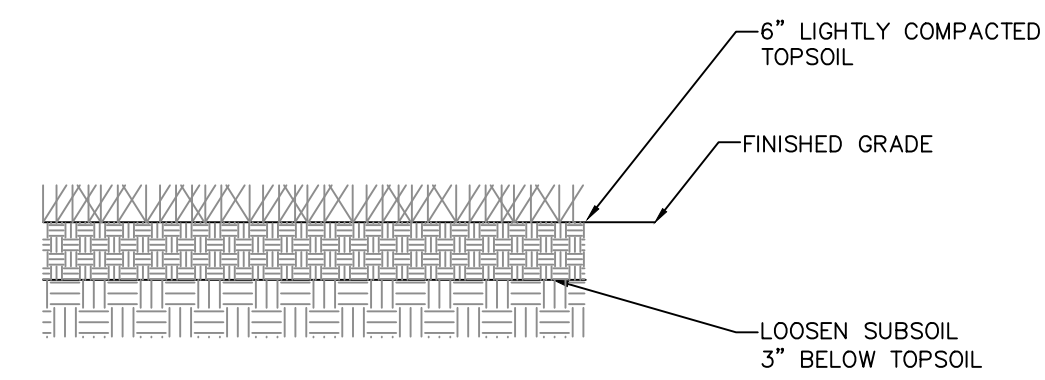


NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION:	SITE/STREET
1	DRAWING NO.	11.11		DRAWING NO.	R-12
2	MULTIPLE	12.15		DATE:	12/08
				PAGE:	1

R12_RDWY-Sawcut_L8.dwg



- NOTES:
- PIPE INSIDE DIAMETER SHALL BE MEASURED IN THE FIELD.
- MINIMUM ALLOWABLE PIPE DIAMETER - 11.50" FOR 12" NOMINAL
 - CLAMP INSTALLED USING "UPSTREAM CLAMP" ON THE OUTLET SIDE OF THE PROPOSED DRAIN MANHOLE.
 - MAXIMUM ALLOWABLE BACK PRESSURE - 68' FOR 12" NOMINAL
 - IT IS RECOMMEND TO BOLT OR PIN CHECKMATE TO PIPE AS SHOWN, 4 PLACES 90° APART.
 - TIDE GATE VALVE SHALL BE CHECKMATE ULTRAFLEX SLIP-IN INLINE CHECK VALVE MANUFACTURED BY TIDEFLEX TECHNOLOGIES OR APPROVED EQUAL.



- NOTES:
- REUSE TOPSOIL ON-SITE. VERIFY SUITABILITY OF STOCKPILED TOPSOIL TO PRODUCE LOAM, CLEAN TOPSOIL OF ROOTS, PLANTS, SOFT, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
1.1. SUPPLEMENT WITH IMPORTED OR MANUFACTURED LOAM FROM OFF-SITE SOURCES WHEN QUANTITIES ARE INSUFFICIENT. OBTAIN TOPSOIL DISPLACED FROM NATURALLY WELL-DRAINED CONSTRUCTION OR MINING SITES WHERE TOPSOIL OCCURS AT LEAST 6 INCHES DEEP.
 - LOAM OR RESPREAD TOPSOIL SHALL CONFORM TO ASTM D5268, WITH PH BETWEEN 5.5 AND 7, A MINIMUM OF 6 PERCENT ORGANIC MATERIAL CONTENT, FREE OF STONES 1/4 INCH OR LARGER AND FREE OF OTHER EXTRANEOUS MATERIALS. SHALL NOT BE OBTAINED FROM AGRICULTURAL LAND, BOGS, OR MARSHES.
 - ALL SURFACED AREAS OR DISTURBED AREAS NOT SPECIFIED ON THE PLANS SHALL RECEIVE 6 INCHES OF LOAM OR RESPREAD TOPSOIL, SEED, MULCH, AND BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
 - SEED MIX SHALL BE "HART'S LOW GROW MIXTURE" OR APPROVED EQUAL BY ENGINEER UNLESS OTHERWISE NOTED ON THE PLANS.

LOAM AND SEED

NOT TO SCALE

IN-LINE CHECK VALVE

NOT TO SCALE

File: J:\DWG\2024\1373A\10\Civil\Details\20241373A10_DET.dwg Layout: CONSTRUCTION DETAILS 3 Plotter: 2025-08-08 3:28 PM User: jdeschjnc@mo
 PC3: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 ST/BCTB: FO.STB
 LAYER STATE:

NO.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	10/22/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JGA/J	BP
2	11/12/2025	RESPONSE TO CITY ENGINEERING REVIEW COMMENTS	JGA/J	BP



SCALE:	HORIZ: NOT TO SCALE
	VERT: -
DATUM:	HORIZ: -
	VERT: -

FUSS & O'NEILL
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THE BLVD GROUP
 CONSTRUCTION DETAILS
 CONCORD ROYAL GARDENS
 CONCORD
 NEW HAMPSHIRE

PROJ. No.: 20241373.A10
 DATE: 08/11/2025

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