Addendum BUUSD Facilities/Transportation Committee Meeting October 2, 2023

State of NEW YORK COMMONWEALTH OF MASSACHUSETTS CANADA ORLEANS ESSEX PROJECT AREA State of NEW HAMPSHIRE

CITY OF BARRE, VERMONT

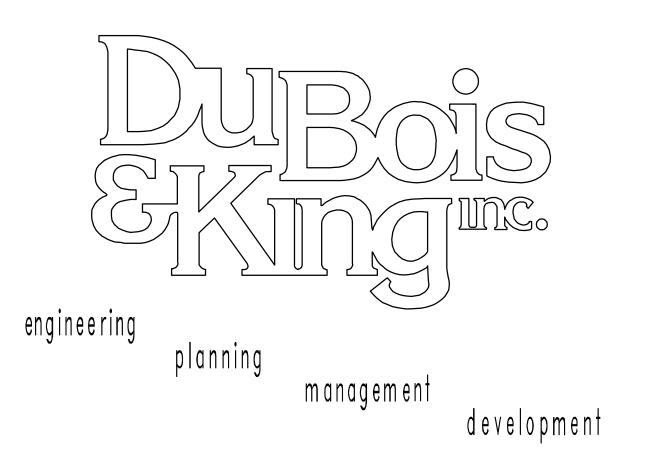
SPAULDING HIGH SCHOOL STORMWATER TREATMENT DESIGN FOR 3-ACRE PERMIT PERMIT PLANS

SEPTEMBER 2023

BARRE SPAULDING UNION HICH SCHOOL SOuth Barre South Ba

PROJECT LOCATION PLAN

SCALE: 1" = 2000 FEET ±



LIST OF DRAWINGS

<u>TITLE</u>	SHEET NO.
TITLE SHEET GENERAL CONSTRUCTION NOTES EXISTING CONDITIONS STORMWATER TREATMENT PLAN PROPOSED CONDITIONS 1 PROPOSED CONDITIONS 2 PROFILES DETAILS	1 2 3 4 5 6 7 8

<u>VTRANS</u>	<u>STANDARDS</u>	<u>DATE</u>
E-12 E-13	STABILIZED CONSTRUCTION ENTRANCE INLET PROTECTION DEVICE, TYPE I	04-07-2020 04-07-2020
E-15	SILT FENCE	04-07-2020
G-1	STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATOR, TYPICAL)	01-03-2000
G-1D	STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIA	AN) 01-03-2000
J-1	PROJECT AND BOUNDARY MARKERS	06-01-1994

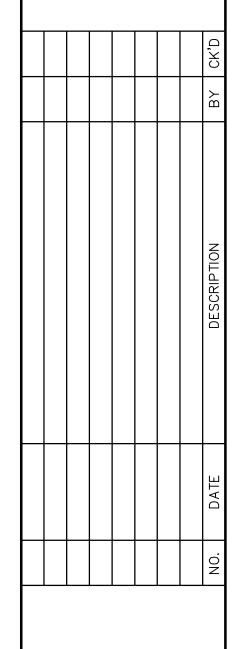
DUBOIS ENGINEERING PLANNING

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PROFESSIONAL SEAL

PERMIT PLANS



GREEN SCHOOLS INITIATIVE

SPAULDING HIGH SCHOOL

155 AYERS ST. BARRE, VT 05641

SHEET TITLE

TITLE SHEET

DRAWN BY	DATE
SLR	SEPT 2023
CHECKED BY	D&K PROJECT#
CJR	127689
PROJ. ENG.	D&K ARCHIVE #
CJR	
SHEET NUMBER	

1

SHEET 1 OF 8

GENERAL NOTES

GENERAL CONDITIONS

- . THE PROJECT AND PROPERTY OWNER IS SPAULDING UNION HIGH SCHOOL.
- SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET. A SET OF CONSTRUCTION PLANS AND TECHNICAL SPECIFICATIONS SHALL BE ON SITE AND IN GOOD CONDITION AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON OCTOBER 22, 2018, FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS ARE INCORPORATED IN THESE PLANS.
- ALL PRIVATE PROPERTY OWNER COMMUNICATION SHALL BE CONDUCTED THROUGH THE OWNER'S REPRESENTATIVE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REVIEW CONDITIONS OF ENTRY AND ABIDE BY THEM.
- CONTRACTOR SHALL INSTALL LIMIT OF DISTURBANCE FENCE PRIOR TO START OF CONSTRUCTION, AND THERE SHALL BE NO DISTURBANCE BEYOND THE LIMITS OF FENCE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY DUBOIS & KING INC. 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 OTHER AGENCIES WITH AUTHORITY OVER THE PROJECT.
- CONTRACTOR SHALL LAY OUT THE CONSTRUCTION BASELINES, STAKE OUT LIMITS OF PROPOSED WORK AND REVIEW WITH THE ENGINEER PRIOR TO CONSTRUCTION. ALL APPLICABLE EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN A MANNER CONSISTENT WITH THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING, WATER DIVERSION AND DEWATERING REQUIREMENTS NEEDED FOR THE PROJECT IN ACCORDANCE WITH REGULATIONS AND PERMIT REQUIREMENTS.
- 10. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR TECHNICAL SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
- LOCATE STAGING AREAS AWAY FROM SENSITIVE AREAS INCLUDING WETLANDS AND STREAM BUFFERS IN COMPLIANCE WITH REGULATIONS AND PERMIT REQUIREMENTS
- 12. TO LIMIT INADVERTENT DAMAGE TO AND UNAUTHORIZED REMOVAL OF TREES ADJACENT TO THE WORK AREA, CONTRACTOR SHALL COORDINATE WITH OWNER AND OBTAIN APPROVAL PRIOR TO CUTTING OR TRIMMING TREES WITHIN AND ADJACENT TO THE WORK
- ALL MATERIALS USED ON THIS PROJECT SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS. FOR ANY DISCREPANCY BETWEEN THE PLANS AND MATERIAL SPECIFICATIONS, THE TECHNICAL SPECIFICATIONS SHALL TAKE PRECEDENCE OVER NOTES CONTAINED WITHIN THESE PLANS.
- 14. VERIFY ALL INDICATED CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE COMMENCING ANY FABRICATION, ORDERING OF MATERIAL, OR PERFORMING ANY WORK. NOTIFY THE ENGINEER OF ANY CONDITIONS OR DIMENSIONS THAT WOULD PREVENT OR HAMPER THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- 15. THE PHRASES "REMOVE AND REPLACE" OR "REMOVE AND INSTALL" SHALL MEAN REMOVE EXISTING CONSTRUCTION AND REPLACE WITH NEW CONSTRUCTION MATERIALS AS NOTED ON THE DRAWINGS AND/OR SPECIFIED.
- 16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER HANDLING OF ALL WASTE MATERIAL. SEE VERMONT STATUE 10 V.S.A § 6605M.
- 17. THE GENERAL CONTRACTOR WILL REVIEW ALL REQUIREMENTS WITH EACH SUBCONTRACTOR AND BE RESPONSIBLE FOR THEIR FOLLOWING PROPER PRACTICES AS OUTLINED AND REQUIRED
- THE GENERAL CONTRACTOR IS TO VERIFY THAT ALL MATERIALS ARE HANDLED PROPERLY BOTH ON AND OFF-SITE.

EXISTING INFORMATION

- TOPOGRAPHY AND SITE FEATURES WITHIN SURVEY BOUNDARY BASED ON GROUND SURVEY PERFORMED BY DUBOIS & KING, INC. ON APRIL 5, 2023.
- TOPOGRAPHY OUTSIDE SURVEY BOUNDARY BASED ON LIDAR INFORMATION DOWNLOADED FROM VERMONT CENTER FOR GEOGRAPHIC INFORMATION (VCGI) ON APRIL 13, 2022. SOURCE DATE OCTOBER 31, 2017. ELEVATION DATUM IS NAVD88.
- THE LOCATION AND EXTENT OF UTILITIES SHOWN ON THE SITE DRAWINGS ARE BASED ON AVAILABLE INFORMATION. DUBOIS & KING, INC INCLUDES INFORMATION WITHOUT WARRANTING ITS ACCURACY IN ANY WAY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE, AND ELEVATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE OWNER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION SHALL BE DETERMINED AND AGREED UPON BY OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH WORK.
- WETLAND BOUNDARY AND 50-FOOT WETLAND BUFFER BOUNDARY WERE DELINEATED ON JUNE 10, 2022 BY A WETLAND SCIENTIST CERTIFIED IN THE STATE OF VERMONT.
- PARCEL BOUNDARY INFORMATION DOWNLOADED FROM VCGI ON APRIL 13, 2022. SOURCE DATE JANUARY 24, 2018.
- THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH THE EXISTING CONDITIONS OF THE SITE AND SURROUNDINGS PRIOR TO THE START OF ANY CONSTRUCTION.

CODES & PERMITS

b. CONSTRUCTION PERMIT

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION.
- THE FOLLOWING PERMITS ARE BEING SECURED FOR THIS PROJECT a. STORMWATER PERMIT
- 7. THE CONTRACTOR IS RESPONSIBLE FOR BEING FAMILIAR WITH THE REQUIREMENTS OF THE PERMITS FOR COMPLIANCE DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE PERMITS ON SITE DURING ALL CONSTRUCTION ACTIVITIES.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK IN STRICT ACCORDANCE WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH MAY NOT COMPLY COMPLETELY WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THESE MAY INCLUDE, BUT ARE NOT LIMITED TO:
 - a. STATE OF VT ENVIRONMENTAL PROTECTION RULES, CHAPTER 22
 - b. STATE OF VT ENVIRONMENTAL PROTECTION RULES, CHAPTER 30
 - c. THE AMERICAN DISABILITY ACT WITH REGARDS TO DIMENSIONS AND GRADES d. VERMONT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 - e. TOWN CODES AND PERMITS AS REQUIRED.

MEETINGS, SUBMITTALS AND REQUIRED INSPECTIONS

- 1. THE CONTRACTOR SHALL PARTICIPATE IN AN ON-SITE PRE-CONSTRUCTION CONFERENCE PRIOR TO CONSTRUCTION ACTIVITY INCLUSIVE OF MOBILIZATION.
- 2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER MATERIAL SLIPS FOR ALL MATERIALS AND ITEMS USED ON THE PROJECT PURSUANT TO THE TECHNICAL SPECIFICATIONS.
- THE OWNER'S REPRESENTATVE WILL BE REQUIRED TO OBSERVE AND APPROVE CRITICAL ASPECTS OF THE CONSTRUCTION PRIOR TO EXECUTION. THE CRITICAL ITEMS LIST WILL BE DISCUSSED AT THE PRE-CONSTRUCTION CONFERENCE. FAILURE OF THE CONTRACTOR TO PROVIDE THE OWNER'S REPRESENTATIVE WITH A MINIMUM OF 48-HOUR NOTICE MAY RESULT IN DELAYS TO THE PROJECT AT NO ADDITIONAL COST TO THE OWNER. SHOULD CRITICAL ITEMS BE CONSTRUCTED PRIOR TO APPROVAL, THE OWNER'S REPRESENTATIVE MAY DIRECT FOR REMOVAL AND RECONSTRUCTION.

SITE MAINTENANCE

- 1. CONTRACTOR SHALL SUBMIT A DUST CONTROL PLAN TO BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- PREVENT WATER PONDING RESULTING FROM CONSTRUCTION OPERATIONS. PROMPTLY REMOVE ANY PONDED WATER TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 3. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE
- UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS, EQUIPMENT AND UNUSED MATERIALS FROM THE PROPERTY AND RESTORE THE "CONTRACTORS MATERIAL AND EQUIPMENT STAGING AREA" TO ITS ORIGINAL CONDITION, AS APPROVED BY THE OWNER'S REPRESENTATIVE.

UTILITY & EXCAVATION

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND DETERMINING ALL UTILITIES (ABOVE AND BELOW GROUND) WITHIN THE PROJECT LIMITS, AND TO TAKE THE NECESSARY PRECAUTIONS TO PROTECT UTILITIES DURING CONSTRUCTION. CONTACT DIG-SAFE AT 1-800-DIG-SAFE (WWW.DIGSAFE.COM) A MINIMUM OF 72 HOURS BEFORE GROUND DISTURBANCE. ALL DISTURBANCE OR DAMAGE TO UTILITIES BY CONTRACTOR ACTIVITIES WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL REPAIRS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OR MUNICIPALITY (APEX STORAGE PHONE NUMBER: 603-729-6116).
- CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL UTILITY RELOCATION AND INSTALLATION WITH THE APPROPRIATE UTILITY. THE APPROPRIATE UTILITY OR ITS AUTHORIZED REPRESENTATIVE WILL PERFORM ADJUSTMENTS OF ALL UTILITY STRUCTURES.
- 3. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED ON THE PLANS. UTILITIES SHALL BE MAINTAINED IN ACTIVE OPERATION AT ALL TIMES. PROVIDE BYPASS PIPING AND PUMPING WHERE REQUIRED. ALL NEW UTILITY SYSTEMS SHALL BE OPERATIONAL BEFORE ANY EXISTING SYSTEMS ARE ABANDONED OR REMOVED. IF EXISTING UTILITIES ARE TAKEN OUT OF SERVICE FOR CONNECTIONS, THE TIMING SHALL BE APPROVED BY THE ENGINEER.
- 4. THE LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES SHOWN ON THE CONTRACT DRAWINGS ARE APPROXIMATE.
- 5. VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES WITHIN THE WORK PRIOR TO CONSTRUCTION.
 - a. EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO EXISTING POWER, COMMUNICATIONS, WATER OR GAS LINES TO PREVENT DAMAGE TO THESE LINES.
 - b. IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING UTILITIES IN A MANNER APPROVED BY THE ENGINEER, AT NO COST TO THE
 - c. ENSURE THAT ALL PIPES, CATCH BASINS, MANHOLES, SWALES, ETC. WITHIN AND NEAR THE AREA OF WORK ARE KEPT FREE FROM MATERIAL THAT WOULD HAMPER THE PERFORMANCE OF THE DRAINAGE SYSTEMS. FURNISH AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES AS SHOWN ON THE CONTRACT DRAWINGS. UPON COMPLETION OF CONSTRUCTION, REMOVE ACCUMULATED SEDIMENT AND REMOVE CONTROL DEVICES.

RESTORATION OF SURFACES

1. AT THE COMPLETION OF WORK, THE CONTRACTOR MUST RESTORE ACCESS ROADS, TOWN HIGHWAYS AND STAGING AREAS TO PRE-CONSTRUCTION CONDITION. RESTORATION MAY INCLUDE BUT NOT LIMITED TO PLACEMENT OF PAVEMENT OR GRAVEL ON EXISTING DRIVES AND / OR APPLICATION OF TOPSOIL, GRASS SEED, FERTILIZER, AND MULCH TO AFFECTED GRASSED AREAS.

CIVIL NOTES

GRADING

- 1. ANY EXCESS MATERIAL TO BE DISPOSED OF OFF SITE SHALL BE REMOVED AT NO ADDITIONAL COST UNLESS OTHERWISE APPROVED IN ADVANCE BY THE ENGINEER MATERIAL SHALL BE DISPOSED OF IN AN APPROVED LOCATION AWAY FROM WETLANDS, FLOODPLAIN, OR OTHER SENSITIVE AREAS.
- ALL EXISTING TREE STUMPS LOCATED WITHIN 10 FEET OF THE NEW TOE OF SLOPE SHALL BE CUT FLUSH WITH THE GROUND. IF STUMPS ARE TO BE REMOVED, THE RESULTING HOLE SHALL BE BACKFILLED AND COMPACTED WITH EMBANKMENT MATERIAL, AS DIRECTED BY THE ENGINEER.
- 3. ALL REMOVED TOPSOIL SHALL BE SCREENED AND STOCK PILED FOR FUTURE REUSE CONTRACTOR SHALL NOT MIX ANY WOODY VEGETATION, TREE STUMPS, ROOTS OR OTHER NON-SUITABLE MATERIAL WITH THE STOCK PILED TOPSOIL.
- 4. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL STRIPPED WOODY VEGETATION, TREE STUMPS AND ROOTS REMOVED FROM THE PROJECT AREA AT A PERMITTED DUMP SITE PER TOWN OF HARTFORD LAND DEVELOPMENT CODE. ONSITE BURNING IS NOT ALLOWED.
- 5. COMPACTION TESTING IS REQUIRED ON BACKFILL AREAS. REFER TO APPLICABLE DETAILS.
- PLACE 4 INCHES MINIMUM OF LOAM, TOPSOIL AND SEED ON DISTURBED AREAS. LOAM SHALL BE STRIPPED FROM THE EMBANKMENT IN AREAS TO BE DISTURBED, SCREENED AND RE-USED.

DRAINAGE

- 1. WHERE A DRAINAGE STRUCTURE IS TO BE CONSTRUCTED, VERIFY THE LOCATIONS AND INVERTS PRIOR TO CONSTRUCTION.
- WHERE CONNECTIONS TO EXISTING DRAINAGE OR SANITARY STRUCTURES ARE REQUIRED, CUT NEATLY WITHOUT PERCUSSION INTO THE EXISTING STRUCTURE. THE MAXIMUM SIZE OF THE OPENING SHALL NOT EXCEED THE PIPE'S OUTER DIAMETER PLUS 3 INCHES. CONNECT THE NEW PIPE AND SEAL AROUND IT WITH CEMENT MORTAR.

SOIL EROSION & SEDIMENTATION CONTROL

- 1. THIS PROJECT MAY QUALIFY AS A LOW RISK CONSTRUCTION PROJECT AND SHALL FOLLOW THE LOW RISK SITE HANDBOOK (2019) AT A MINIMUM.
- 2. CONTRACTOR SHALL CONSTRUCT TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL FACILITIES PRIOR TO THE COMMENCEMENT OF EARTHWORK OPERATIONS. EROSION CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, ITEMS IDENTIFIED WITHIN THIS PLAN SET OR WITHIN THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION (VTDEC) BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION CONTROL. SEE EROSION AND SEDIMENTATION CONTROL PLAN AND EROSION SEDIMENTATION CONTROL NOTES & DETAIL SHEET.
- 3. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL DEVICES THROUGHOUT THE PROJECT SITE FOR THE DURATION OF ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL (DAILY OR AS REQUIRED BASIS) INSPECT AND RECORD FINDINGS OF ALL EROSION AND SEDIMENTATION CONTROL DEVICES TO ENSURE THAT ALL ITEMS ARE IN STABLE CONDITION. IN THE EVENT THAT SAID ITEMS ARE DETERMINED TO BE IN UNSATISFACTORY CONDITION, THE CONTRACTOR SHALL RECORD THE UNSATISFACTORY ISSUE, THE DATE OF THE UNSATISFACTORY FINDING, THE APPROPRIATE CORRECTIVE MEASURE AND THE DATE THE CORRECTIVE MEASURE WAS COMPLETED.
- 4. ALL DISTURBED AREAS SHALL NOT BE LEFT BARE FOR MORE THAN 7 DAYS. SHALL BE STABILIZED IN A MANNER TO MITIGATE EROSION OR SEDIMENTATION FROM EXITING THE LIMIT OF WORK AND SHALL BE RESTORED IN-KIND UPON COMPLETION OF THE PROJECT. THE MAXIMUM AREA ALLOWED TO BE DISTURBED AND LEFT UNSTABILIZED IS ONE ACRE PER DRAINAGE AREA.
- 5. ALL SLOPES GREATER THAN 1V:3H SHALL BE PROTECTED FROM EROSION WITH EROSION CONTROL BLANKETS OR OTHER APPROPRIATE SLOPE STABILIZATION CONTROL MEASURES PRIOR TO LOAMING, SEEDING AND MULCHING WITHIN 72 HOURS OF COMPLETION. CONTRACTOR SHALL MAINTAIN EROSION CONTROL PROTECTION UNTIL VEGETATION GROWTH HAS BEEN ESTABLISHED. ALL SLOPE STABILIZATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND VERMONT BEST MANAGEMENT PRACTICES.
- 6. ALL SWALES AND DITCHES WITH SLOPES EXCEEDING 5% SLOPE SHALL BE PROTECTED FROM EROSION WITH MATTING. ALL MATTING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. ALL SWALES AND DITCHES SHALL BE PROPERLY STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
- 7. THE CONTRACTOR SHALL NOT PLACE PERMANENT PLANTING AND SEEDING PRIOR TO MAY 1st AND AFTER SEPTEMBER 1st. TEMPORARY SEEDING SUCH AS WINTER RYE MAY BE USED OUTSIDE OF THIS PERIOD.
- 8. ALL WORK MUST BE DONE IN A MANNER WHICH MINIMIZES THE POTENTIAL FOR THE DISCHARGE OF SEDIMENT-LADEN WATER. CONTRACTOR IS RESPONSIBLE FOR DIVERTING. PUMPING, OR OTHERWISE CONTROLLING WATER AS NECESSARY.
- 9. ANY EPSC MEASURES NOT SHOWN IN THIS PLAN SET SHALL BE PERFORMED IN ACCORDANCE WITH THE VERMONT DEC LOW RISK SITE HANDBOOK FOR EROSION PREVENTION & SEDIMENT CONTROL

POST CONSTRUCTION SOIL DEPTH AND QUALITY TREATMENT STANDARD

- 1. THE POST-CONSTRUCTION SOIL DEPTH AND QUALITY STANDARD (SDQ) SHALL APPLY TO AREAS ADJACENT TO THE PROPOSED STORAGE SHED AREA WHERE SITE GRADING OF THE SWALE AND INFILTRATION BASIN WILL RESULT IN DISTURBANCE TO THE TOPOSOIL.
- 2. UNDISTURBED AREAS WHERE THE TOPOSOIL ARE RETAINED MEET THE INTENT OF THE SDQ STANDARD AND SHALL NOT BE SUBJECT TO DISTURBANCE SOLELY FOR THE PURPOSE OF SOIL
- 3. INSTALLATION OF TOPSOIL TO MEET THE SDQ SHALL BE PERFORMED IN DESIGNATED AREAS TOWARDS THE END OF THE PROJECT. ONCE THE SDQ HAS BEEN ESTABLISHED, AREAS SHOULD BE PROTECTED FROM COMPACTION.
- 4. FILL SLOPES WILL NOT BE SUBJECT TO THE SDQ.
- 5. THE FOLLOWING METHODS SHOULD BE IMPLEMENTED DURING THE REPLACEMENT OF TOPSOIL
 - STOCKPILE TOPSOIL ON SITE IN A DESIGNATED CONTROLLED AREA, AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOOD PLAINS, OR OTHER CRITICAL RESOURCE AREAS;
 - SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES, EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES;

• STOCKPILED TOPOSOIL SHALL BE AMDENDED, IF NEEDED, TO MEET THE ORGANIC CONTENT **REQUIREMENTS:**

CALCULATED RATE: INCORPORATED COMPOST MATERIAL OR APPROVED ORGANIC MATERIAL AT A CALCULATED RATE TO ACHIEVE 4 INCHES OF SETTLED SOIL AT THE 4% ORGANIC CONTENT.

• REPLACE STOCKPILED TOPOSOIL PRIOR TO PLANTING: AND

BETWEEN 40 AND 65% INTO THE TOPSOIL AT A RATIO OF 1:3; OR

- RAKE TO LEVEL, REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER
- 6. THE FOLLOWING METHODS MAY BE UTILIZED TO MEET THE SOIL QUALITY REQUIREMENTS FOR THE SITE:
- OPTION 1: LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
- OPTION 2: REMOVE AND STOCKPILE EXISTING TOPSOIL DURING GRADING.
- OPTION 3: IMPORT TOPOSOIL MIX, OR OTHER MATERIALS FOR MIXING, INCLUDING COMPOST, OF SUFFICIENT ORGANIC CONTENT AND DEPTH.
- 7. COMPOST USED TO AMEND STOCKPILED TOPSOIL SHALL MEET THE DEFINITION OF "COMPOST" AS DEFINED IN THE VERMONT AGENCY OF NATURAL RESOURCES SOLID WASTE MANAGEMENT RULES. COMPOST SHALL HAVE A CARBON TO NITROGEN RATIO OF 25:1.
- 8. SAMPLING SHALL BE PERFORMED IN AREAS SUBJECT TO THE SDQ STANDARD TO VERIFY THAT THE STANDARD HAS BEEN MET. SAMPLING SHALL BE PERFORMED AT A FREQUENCY OF NINE (9) TEST HOLE PER ACRE TO A DEPTH OF 8 INCHES. TEST HOLES ARE TO BE EXCAVATED BY THE INSPECTOR USING ONLY A SHOVEL. NO MECHANICAL EQUIPMENT SHOULD BE USED.
- 9. A DENSE VEGETATED COVER SHOULD BE ESTABLISHED OVER THE SIMPLE DISCONNECTION RECEIVING AREA. THE USE OF SEED BLEND APPLICATION IS RECOMMENDED.

SEED AND SEEDING RATES MAY BE SELECTED FROM THE TABLE BELOW. THE SELECTION WILL BE BASED ON THE TIME OF YEAR THE SEEDING IS TO BE MADE AND THE LENGTH OF TIME THE VEGETATION IS TO AFFORD THE PROTECTION. THE SEED SHOULD BE SPREAD UNIFORMLY OVER THE AREA. THE SEED SHOULD BE COVERED LIGHTLY BY RAKING. DISKING. OR DRAGGING

PER 1000 SF REMARKS

PLANT SELECTION AND SEEDING RATES:

PER ACRE

SPECIES

WINTER RYE	2 BU. OR 120 LBS	2.5 LBS	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	2.5 BU. OR 80 LBS	2 LBS	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15 FOR SUMMER PROTECTION. SEED TO DEPTH OF 1 INCH.
ANNUAL SOIL	40 LBS	1 LB	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE RYGRASS WHERE APPEARANCES ARE IMPORTANT. SEED EARLY FALL BETWEEN AUGUST 15 AND SEPTEMBER 15, COVER SEED WIT NO MORE THAN 0.25 INCHES OF
PERENNIAL	30 LBS	0.7 LBS	GOOD COVER WHICH IS LONGER LASTING THAN RYGRASS ANNUAL RYGRASS. SEED BETWEEN APRIL AND JUNE 1 AND/OR BETWEEN AUGUST 15 AND SEPTEMBER 15. MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON. SEED TO A DEPTH OF APPROXIMATELY 0.5 INCHES.

10. SEE SUBCHAPTER 3.2 OF THE 2017 VERMONT STORMWATER MANAGEMENT MANUAL (2017 VSMM) FOR OTHER APPROVED METHODS TO MEET THE POST-CONSTRUCTION SOIL DEPTH AND QUALITY TREATMENT STANDARD.

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PROFESSIONAL SEAL

PERMIT PLANS

PRE-APPROVED RATE: COMPOST SHALL BE INCORPORATED WITH AN ORGANIC MATTER CONTENT

GREEN SCHOOLS INITIATIVE

SPAULDING HIGH SCHOOL

SHEET TITLE

155 AYERS ST.

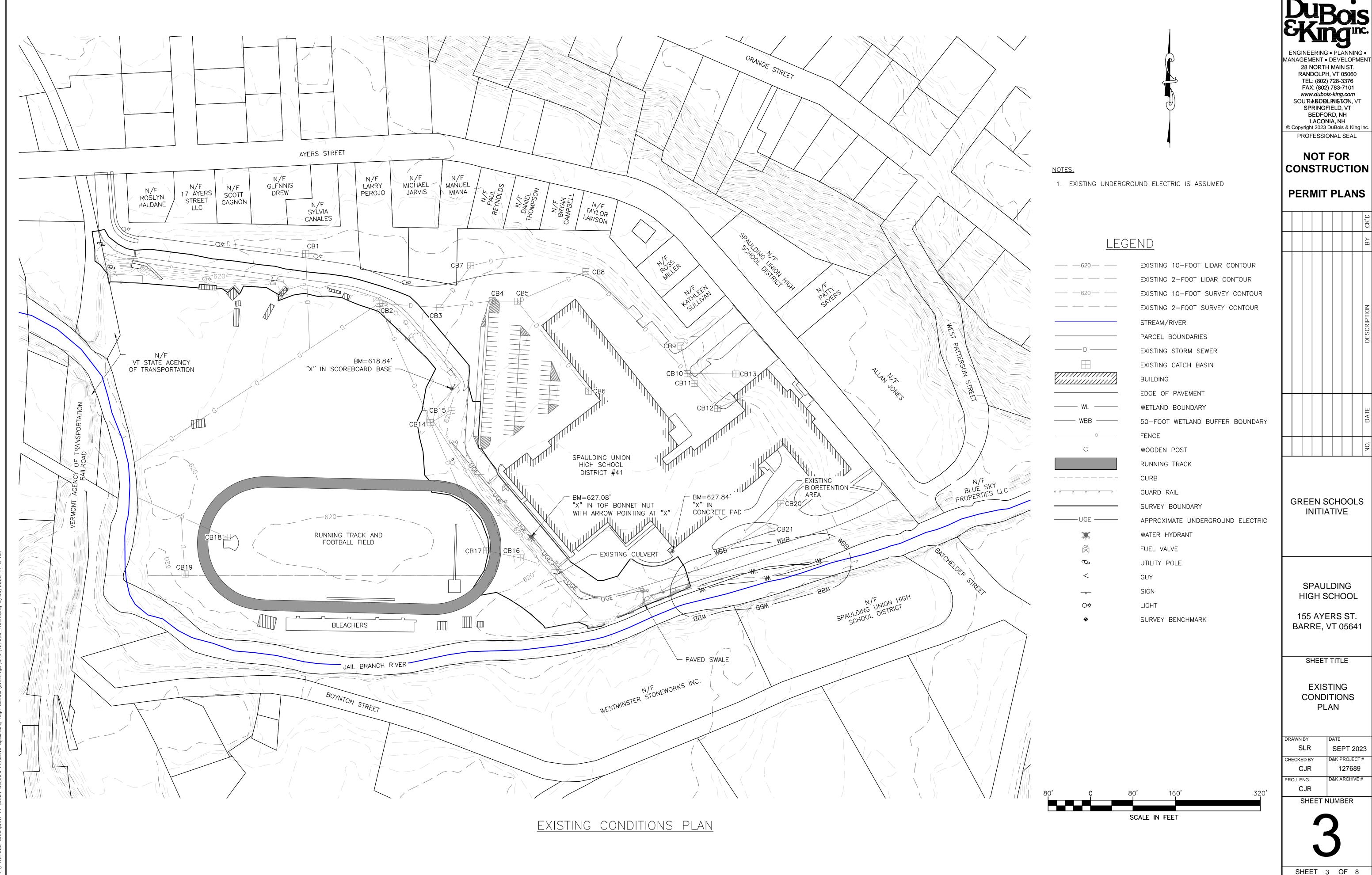
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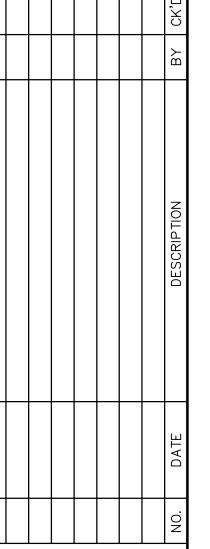
GENERAL CONSTRUCTION NOTES

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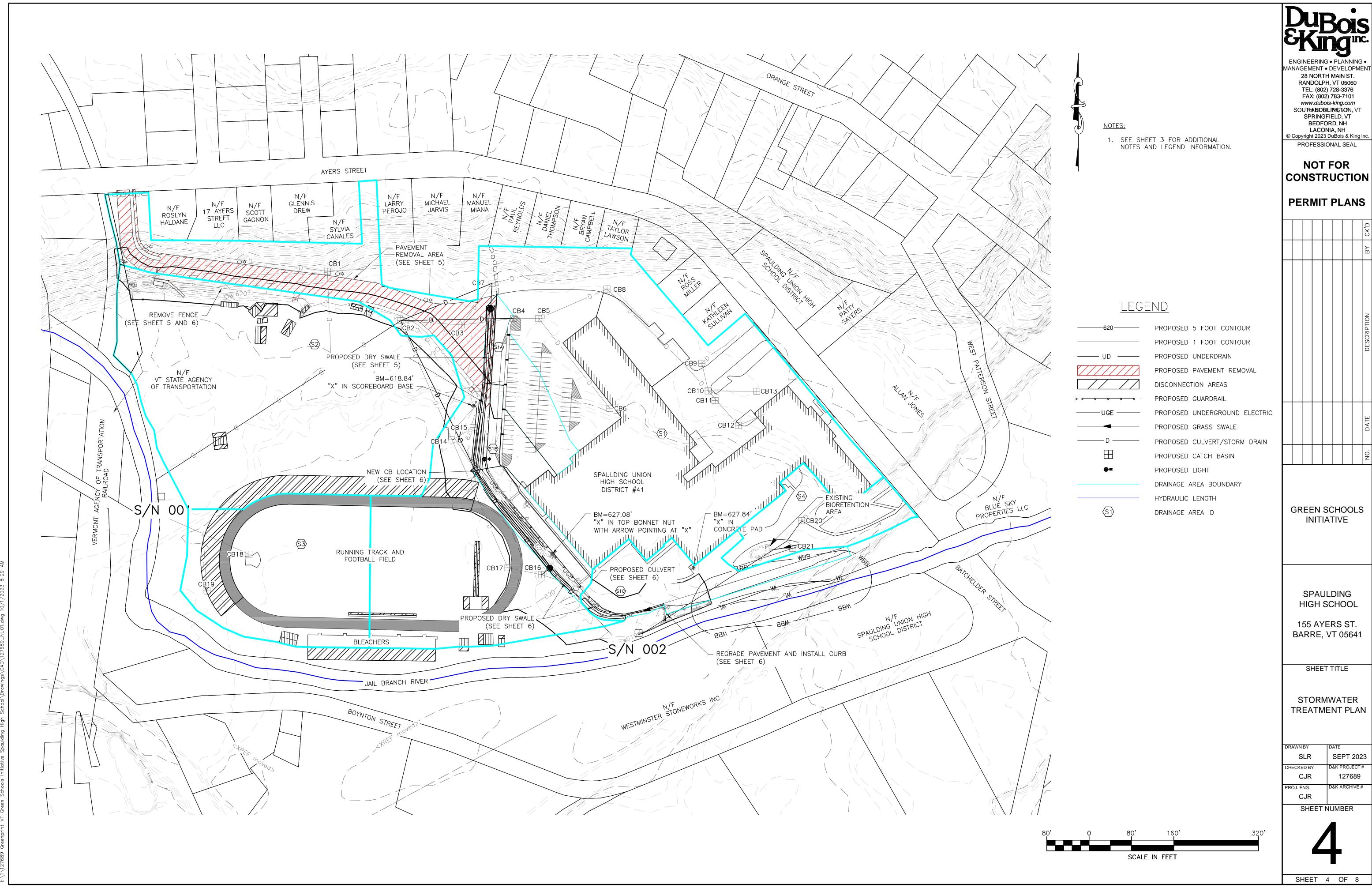
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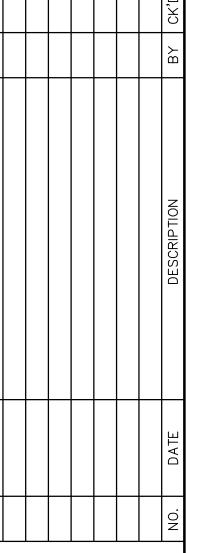
SHEET 2 OF 8



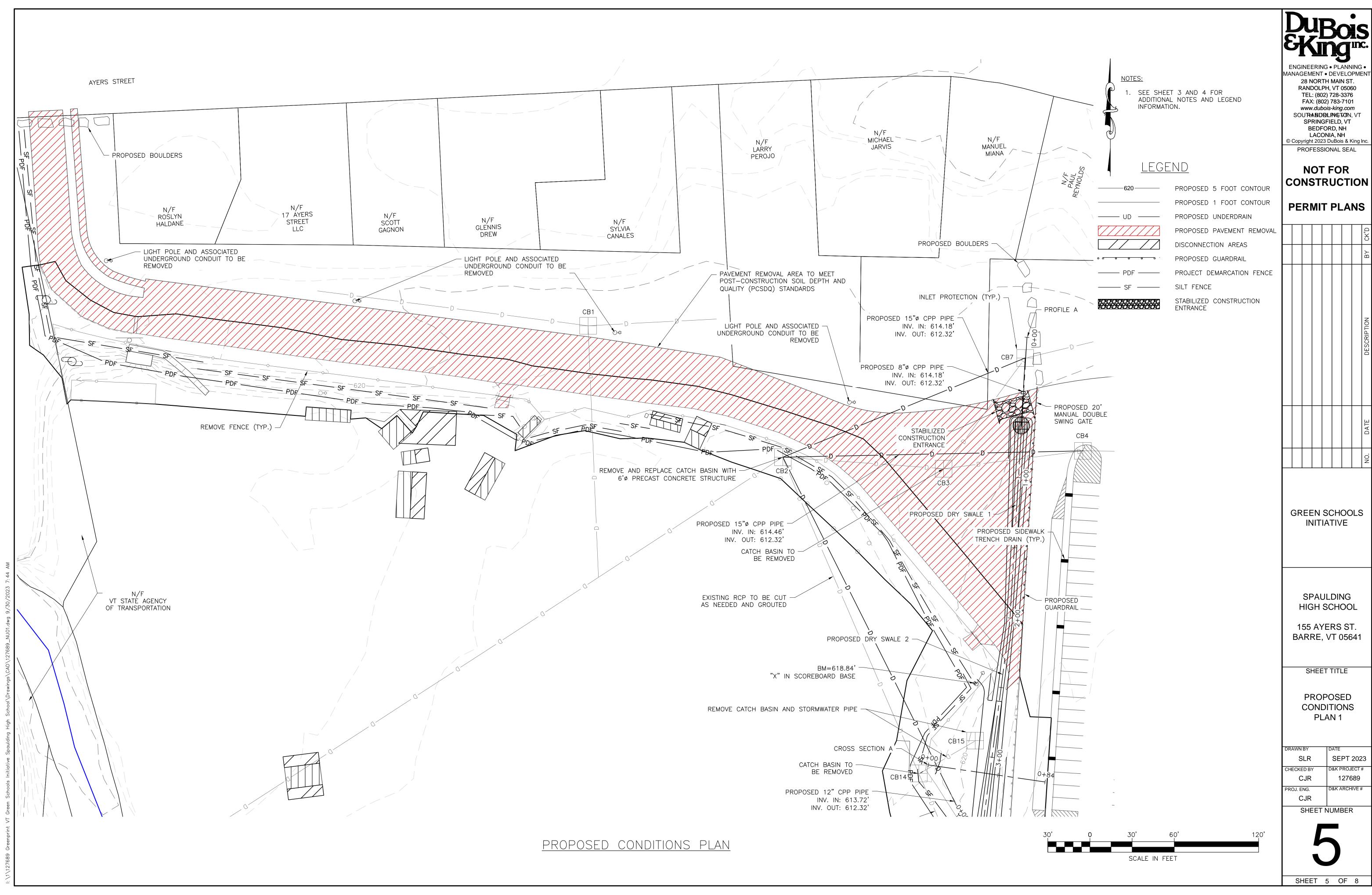


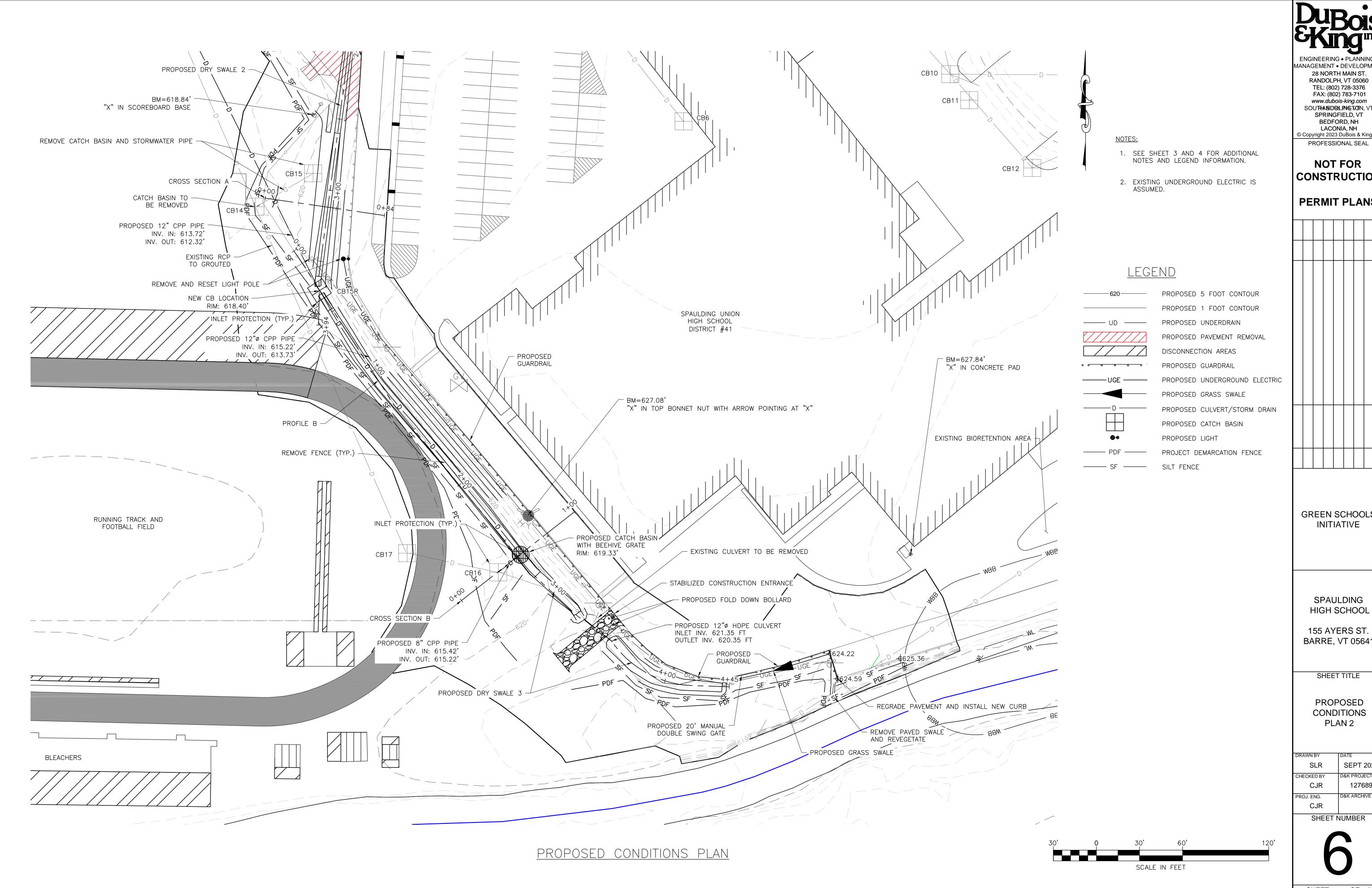
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CJR	

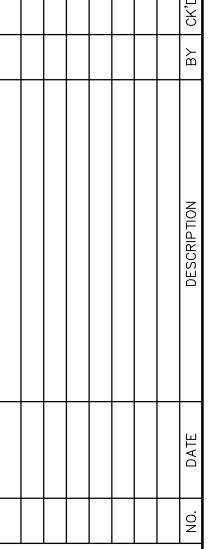




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SPAULDING HIGH SCHOOL

155 AYERS ST. BARRE, VT 05641

SHEET TITLE

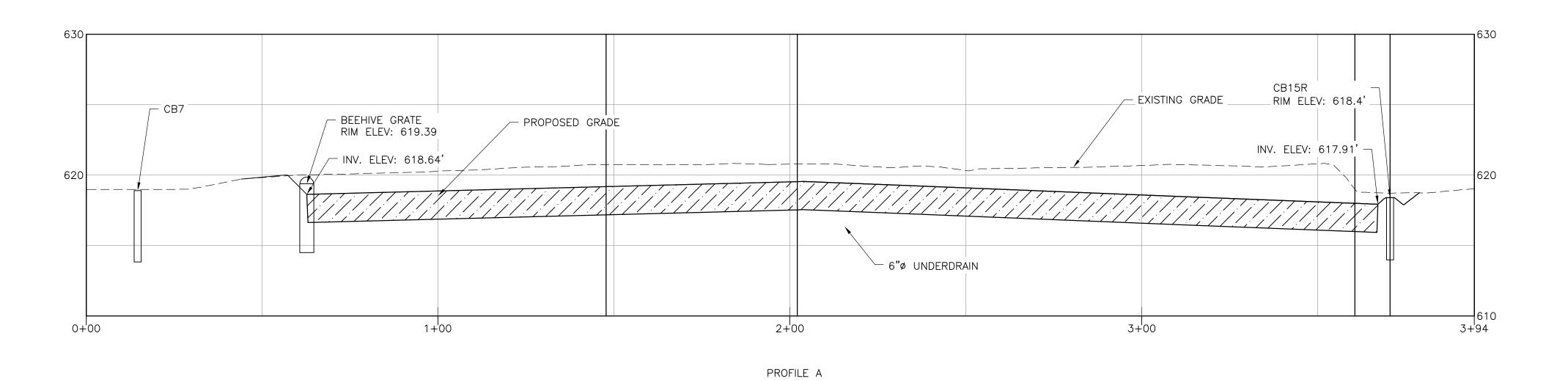
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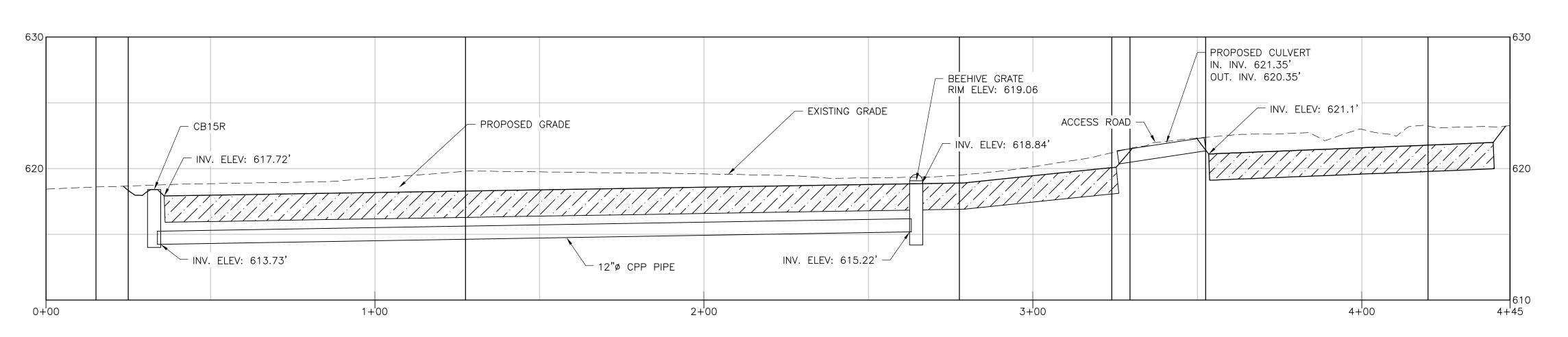
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SLR	SEPT 2023
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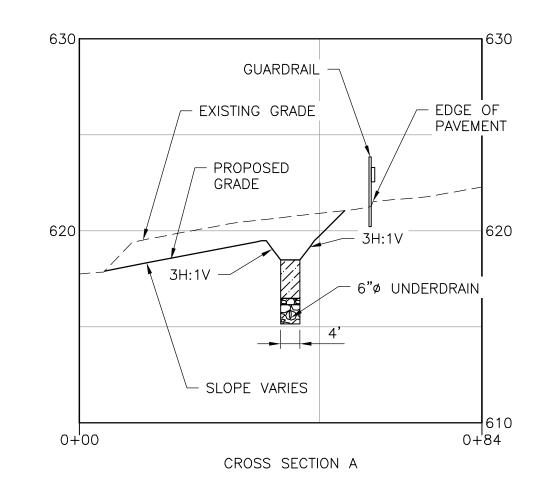


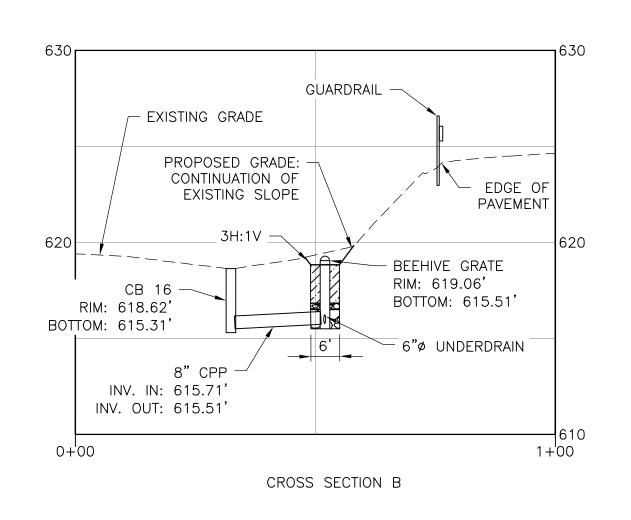
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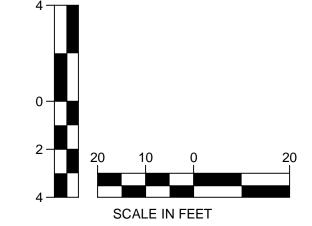




PROFILE B





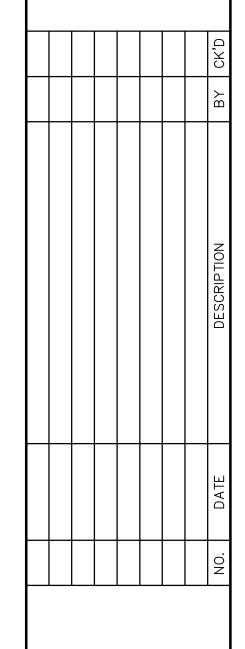




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PROFILES

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 DATE

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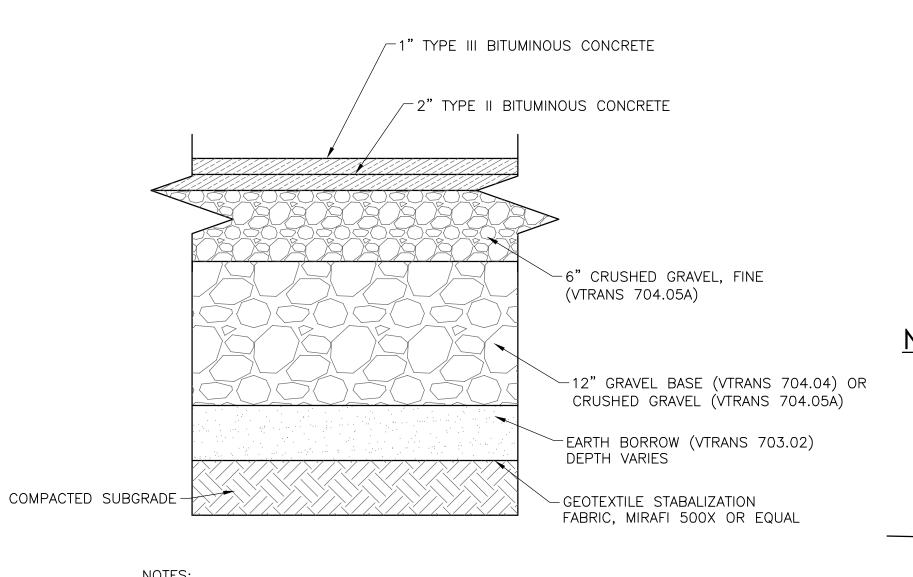
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 CJR

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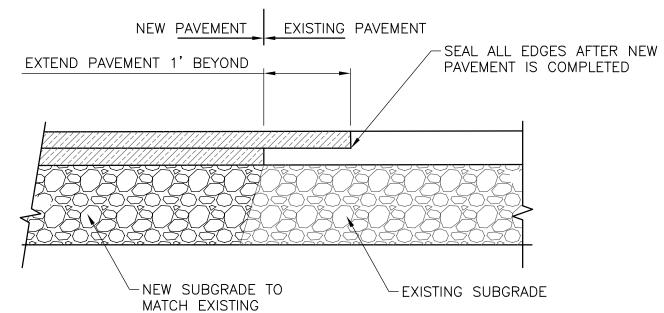
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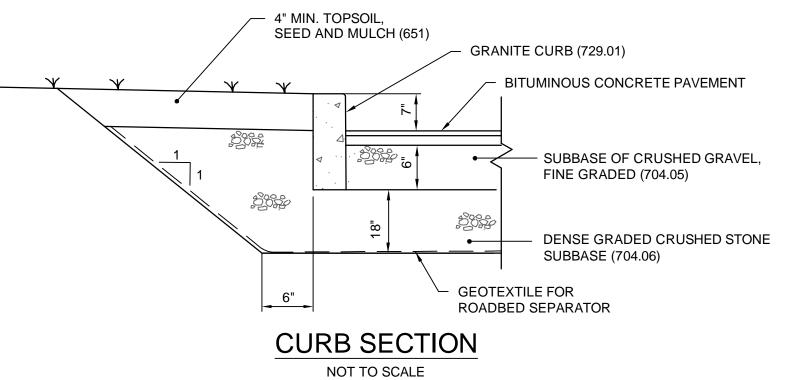
NOT TO SCALE

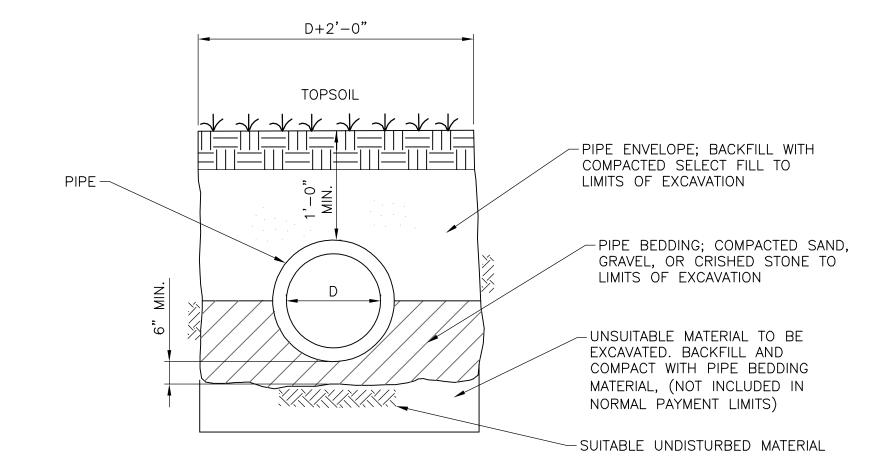
1. TYPE II AND TYPE III BITUMINOUS CONCRETE MIXTURES SHALL COMPLY WITH VAOT STANDARD STANDARD SPECIFICATIONS FOR CONSTRUCTION (404.06).

TYPICAL PAVEMENT DETAIL NOT TO SCALE

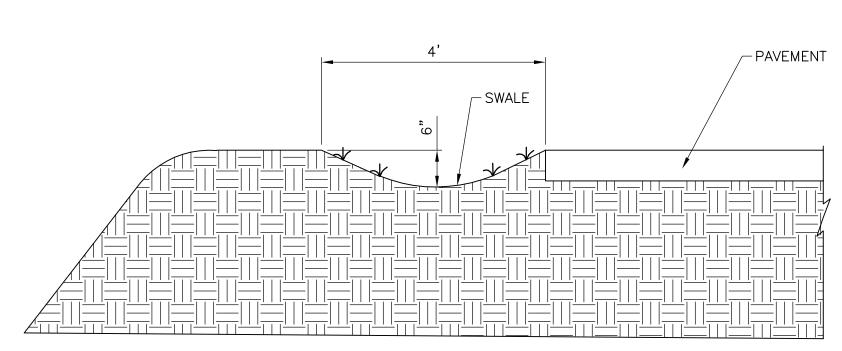


NEW PAVEMENT TO EXISTING PAVEMENT NOT TO SCALE

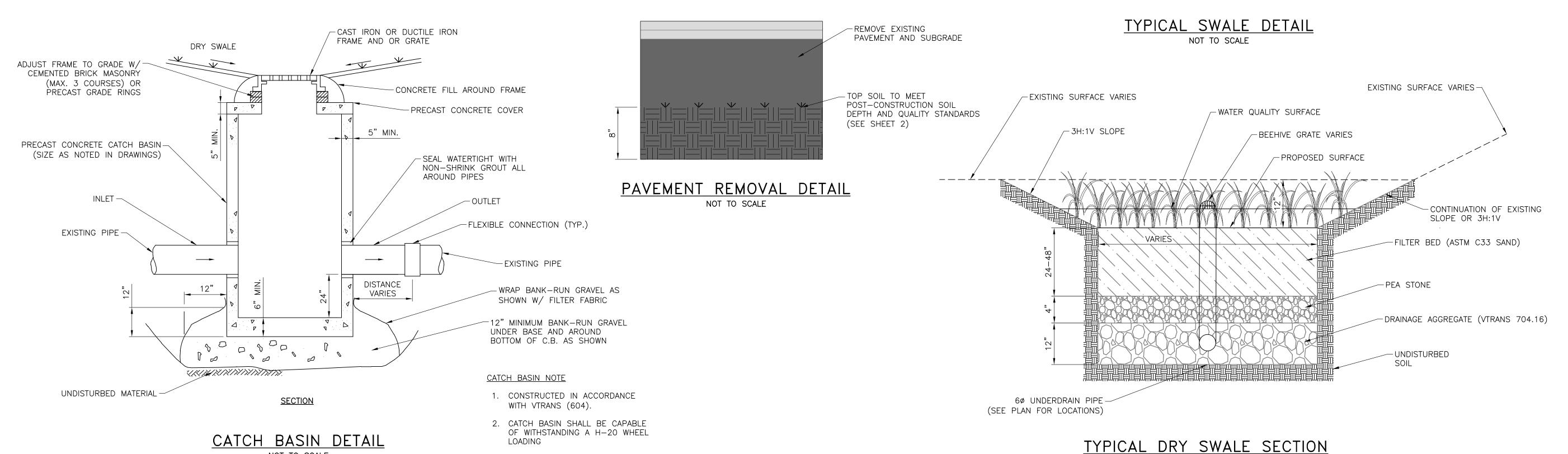




TYPICAL TRENCH SECTION NOT TO SCALE



NOT TO SCALE

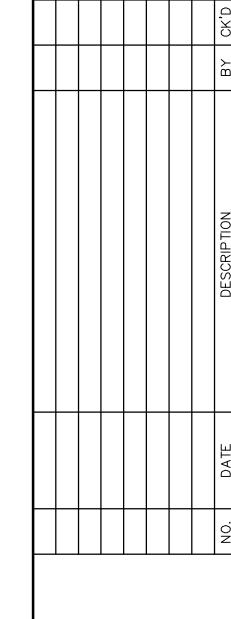


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STORMWATER **DETAILS**

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