

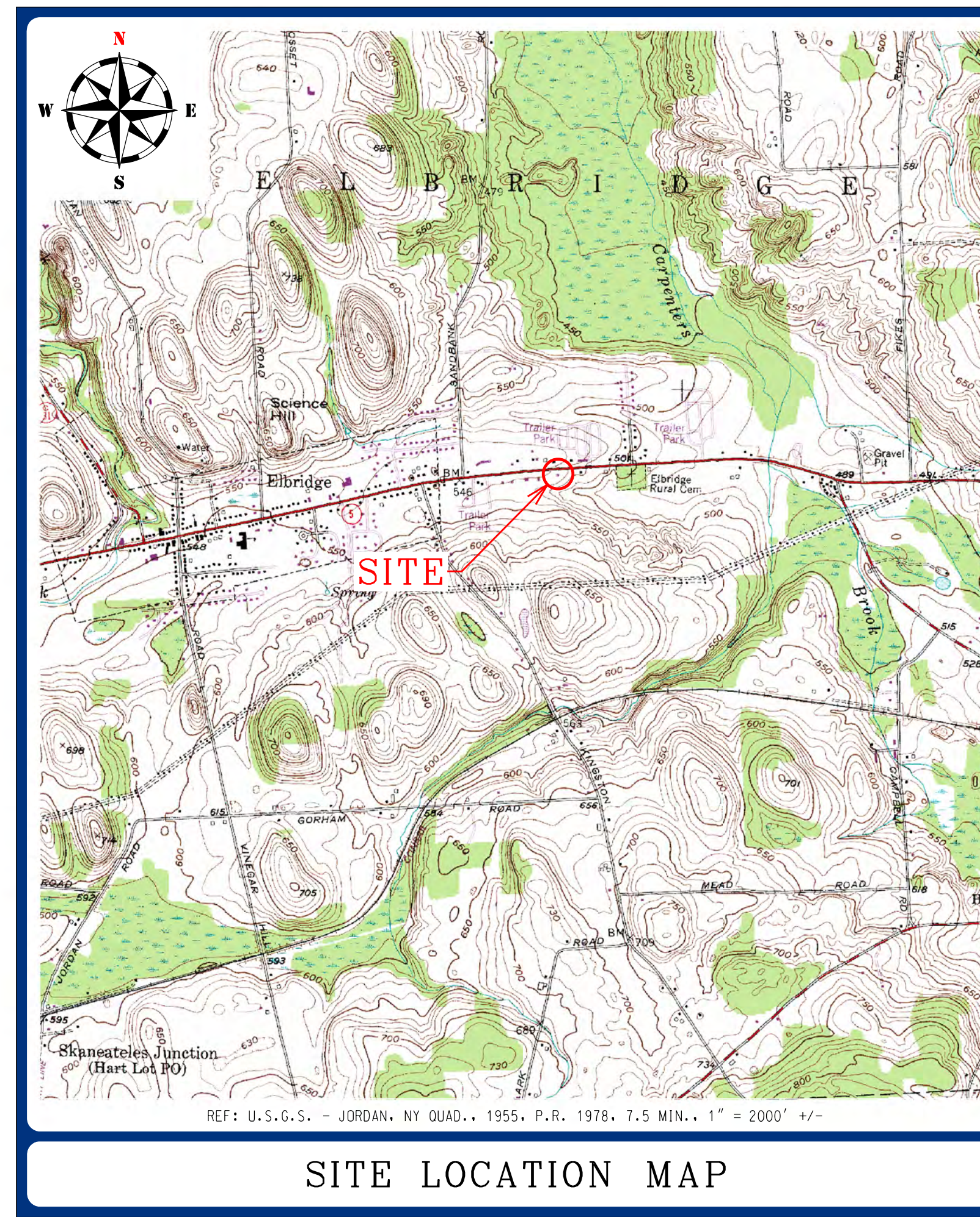
STATE ROUTE 5 PROPERTY

1134 STATE ROUTE 5
 TAX MAP NO. 041.-03-39.0
 TOWN OF ELBRIDGE, ONONDAGA COUNTY, NEW YORK

PROJECT: STATE ROUTE 5 PROPERTY
 CLIENT: BELDEN PROPERTIES, LLC
 LOCATION: 1134 STATE ROUTE 5, TOWN OF ELBRIDGE, ONONDAGA COUNTY, NEW YORK

GENERAL NOTES

- THE PROJECT IS LOCATED AT 1134 STATE ROUTE 5 IN THE TOWN OF ELBRIDGE, ONONDAGA COUNTY, NEW YORK.
- THE TERM "PLANS" REFERS TO THE SET OF SHEETS INDICATED ON THE "INDEX TO SHEETS" CONTAINING PLANS, DRAWINGS, NOTES, DETAILS, SPECIFICATIONS, SECTIONS, ETC. IN ADDITION, "PLANS" SHALL ALSO REFER TO DOCUMENTS, DRAWINGS, PERMITS, ETC. INCORPORATED BY REFERENCE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND IN CONFORMANCE WITH THE REGULATIONS, CODES, STANDARDS, REQUIREMENTS AND RECOMMENDED PRACTICES OF THE FOLLOWING GOVERNMENTAL AGENCIES:
 - TOWN OF ELBRIDGE
 - ONONDAGA COUNTY HIGHWAY DEPARTMENT
 - ONONDAGA COUNTY DEPARTMENT OF HEALTH
 - ONONDAGA COUNTY WATER AUTHORITY (OCWA)
 - NEW YORK STATE DEPARTMENT OF STATE (BUILDING CODE)
 - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 - NEW YORK STATE DEPARTMENT OF TRANSPORTATION
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT THE PLANS ARE CURRENT, ISSUED FOR CONSTRUCTION AND THAT ALL SUBCONTRACTORS ARE REFERENCING THE SAME DOCUMENTS. THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL PLANS, PERMITS AND DOCUMENTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCY BETWEEN THE PLANS AND APPLICABLE REGULATIONS, CODES, STANDARDS, REQUIREMENTS AND RECOMMENDED PRACTICES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL INSPECTIONS AND OBTAINING ALL CERTIFICATIONS, AS REQUIRED.
- THE CLIENT WILL POST THE CONSTRUCTION BOND FOR WORK WITHIN SITE SPECIFIC RIGHT-OF-WAY OR COORDINATE WITH GENERAL CONTRACTOR, AS NEEDED.
- THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING SITE CONDITIONS AND NOTIFY THE PROJECT ENGINEER IF THE CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THE PLANS OR IF ANY EXISTING SITE FEATURES WILL ALTER THE PLANS.
- PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED WITH ALL INVOLVED PARTIES.
- PRIOR TO INITIATING CONSTRUCTION, THE CONTRACTOR SHALL GIVE TIMELY NOTIFICATION TO ALL UTILITY COMPANIES WITH FACILITIES IN THE AREA AND CONTACT THE LOCAL UNDERGROUND FACILITY PROTECTIVE ORGANIZATION (COMMON GROUND ALLIANCE) AT 811.
- EACH CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHILE WORKING TO SAFEGUARD EXISTING STRUCTURES, UTILITIES AND SURVEY MARKERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING STRUCTURES, PAVEMENT, ETC. CAUSED BY THEIR WORK BEING PERFORMED. REPAIRS SHALL BE OF EQUAL OR BETTER QUALITY THAN EXISTING CONDITIONS. NOTIFICATION OF SUCH DAMAGE SHALL BE REPORTED TO THE CLIENT AND THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL PROVIDE HAZARD BARRIERS PLACED CONSPICUOUSLY AROUND ALL PHASES OF CONSTRUCTION TO SAFEGUARD PUBLIC AND TRAFFIC AGAINST DANGEROUS CONDITIONS. ALL TRAFFIC CONTROLS SHALL BE PROVIDED AND MAINTAINED IN CONFORMANCE WITH THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT, AS APPLICABLE.
- ALL DIMENSIONS AND ELEVATIONS SHOWN ON THESE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO INITIATING CONSTRUCTION. ELEVATION DATA REFER TO THE BENCHMARK OF THE SURVEY INCORPORATED BY REFERENCE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER IN WRITING OF ANY DISCREPANCIES.
- THE CONTRACTOR MUST LOCATE ALL PROPERTY, EASEMENT AND RIGHT-OF-WAY BOUNDARIES PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL NOT TRESPASS OR INITIATE WORK WITHIN EASEMENTS AND RIGHT-OF-WAYS OR ON OTHER PROPERTIES WITHOUT OBTAINING PERMISSION FROM AND MEETING THE REQUIREMENTS OF THE PROPERTY OWNER OR CONTROLLING AGENCY.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL/BUILDING PLANS (BY OTHERS) FOR BUILDING DIMENSIONS ENTRY/EXIT LOCATIONS AND UTILITY CONNECTION LOCATIONS. BUILDING DIMENSIONS PROVIDED HEREIN ARE NOT INTENDED FOR BUILDING LAYOUT. SPECIFIC LAYOUT DIMENSIONS MUST BE OBTAINED FROM THE ARCHITECTURAL PLANS FOR THE BUILDING. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL PLANS AND THOSE INDICATED ON THESE PLANS SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND PROJECT ENGINEER PRIOR TO INITIATING THE WORK. THE CONTRACTOR SHOULD STAKE OUT AND VERIFY EACH BUILDING DIMENSION PRIOR TO THE COMMENCEMENT OF WORK.
- ALL DIMENSIONS SHOWN ARE TO THE FACE OF SIDEWALK / CURB OR BUILDING EDGE UNLESS OTHERWISE NOTED.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL PREPARE A HEALTH AND SAFETY PLAN AND BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY.
- IN NO WAY SHALL THE ACTIVITIES OR THE PRESENCE OF THE PROJECT ENGINEER OR ITS EMPLOYEES AND SUBCONSULTANTS AT THE PROJECT SITE RELIEVE THE CONTRACTOR OF THE OBLIGATION, DUTY OR RESPONSIBILITY INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THESE PLANS, RELATED CONTRACT DOCUMENTS, PERMITS OR ANY REGULATORY REQUIREMENTS. THE PROJECT ENGINEER AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES.
- CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE CLIENT'S STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN SUCH SPECIFICATIONS DIRECTLY FROM THE CLIENT.
- IF THE CONTRACTOR DEVIATES FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN AUTHORIZATION FROM THE CLIENT AND PROJECT ENGINEER FOR SUCH DEVIATIONS, THEN THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE INCLUDING ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM.
- ALL CONTRACTORS MUST CARRY STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGLI). ALL CONTRACTORS MUST FURNISH THE OWNER WITH CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO INITIATING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE THE CLIENT WITH AN ACCURATE RECORD DRAWING OF ALL EQUIPMENT, STRUCTURES AND UTILITIES INSTALLED OR ENCOUNTERED DURING THE PROJECT.



INDEX TO SHEETS	
DRAWING TITLE	SHEET NUMBER
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EROSION & SEDIMENT CONTROL	
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GRADING & DRAINAGE	
- PLAN	GD-1
- DETAILS & SPECIFICATIONS	GD-2
- DETAILS & SPECIFICATIONS	GD-3

CLIENT:

BELDEN PROPERTIES, LLC
 725 ERIE BOULEVARD WEST
 SYRACUSE, NEW YORK 13204

CONTACT: BARRY KENNEDY
 TELEPHONE: (315) 727-3522

PROJECT ENGINEER:

TDK ENGINEERING ASSOCIATES, P.C.
 19 GENESEE STREET
 CAMILLUS, NY 13031

CONTACT: JOSEPH DURAND, P.E.
 TELEPHONE: (315) 672-8726

PROPOSED STORAGE WAREHOUSE

(PROJECT No. 2013060)
 OCTOBER 2025

REVISIONS:

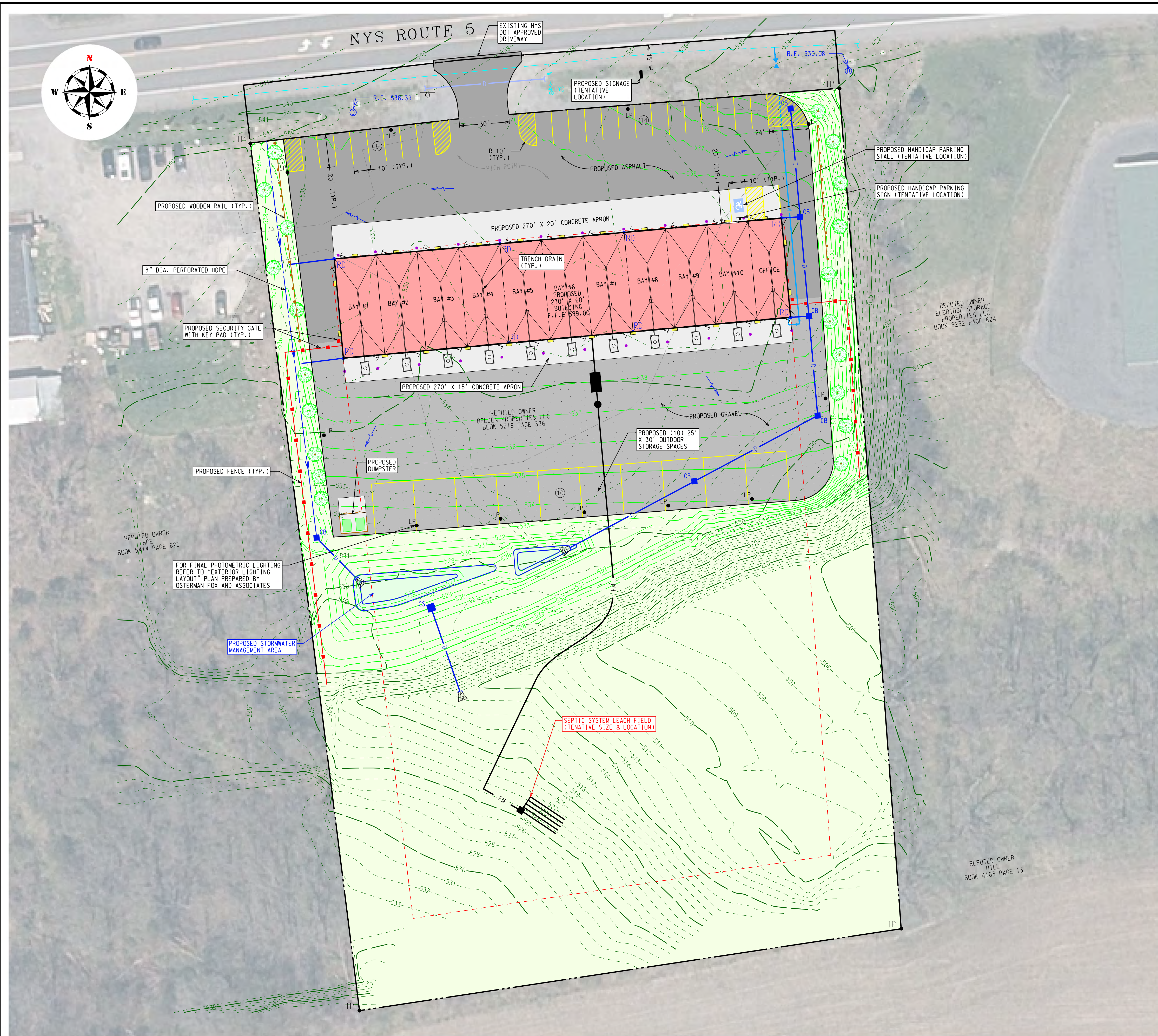
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PRELIMINARY
 10-03-25
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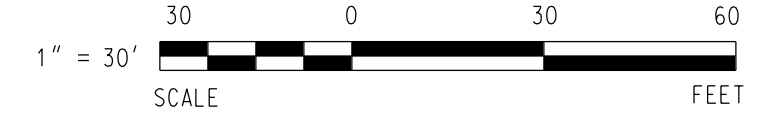
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- BASE MAP REFERENCES:**
1. NYS DIGITAL ORTHOMAGERY PROGRAM (NYSDDP); DATED 2022.
 2. "PARCEL OF LAND" SURVEY AS PREPARED BY PAUL JAMES OLSZEWSKI, P.L.S., PLLC; DATED: JULY 27, 2022; PROJECT NO. EL41-03-39; RECEIVED ON: JULY 8, 2025.
 3. "PARCEL OF LAND" SURVEY AS PREPARED BY PAUL JAMES OLSZEWSKI, P.L.S., PLLC; DATED: AUGUST 7, 2025; PROJECT NO. EL41-03-38; RECEIVED ON: AUGUST 7, 2025.

PRELIMINARY SITE PLAN



* NOTE:
PB (PLANNING BOARD)



LOCATION MAP

REF: U.S.G.S. JORDAN, NY QUAD., 1955, P.R. 1978, 7.5 MIN., 1" = 2000' +/-

TOWN OF ELBRIDGE ZONING ORDINANCE REVIEW	
REQUIRED	PROPOSED
1. LOT REQUIREMENTS:	1. LOT REQUIREMENTS:
A. MINIMUM LOT SIZE: NO MINIMUM	A. LOT SIZE: 191,664 (4.4 ACRE)
B. EXISTING LOT SIZE: 191,664 (4.4 ACRE)	B. LOT COVERAGE: 74,304 (1.7 ACRE)
C. MAXIMUM LOT COVERAGE: 75%	C. LOT PERCENTAGE: 39%
2. STRUCTURE REQUIREMENTS:	2. STRUCTURE REQUIREMENTS:
A. FRONT YARD SETBACK: 75 FT.	A. FRONT YARD SETBACK: 75 FT.
* B. MIN. SIDE YARD SETBACK: PB APPROVAL	B. SIDE YARD SETBACK: 39 FT.
C. MIN. REAR YARD SETBACK: 50 FT.	C. REAR YARD SETBACK: 374 FT.
D. MAXIMUM HEIGHT: NO MAX. HEIGHT	D. HEIGHT: TBD

ZONING: BUSINESS DISTRICT 1

KEY

- EXISTING**
- PROPERTY LINE
 - - - - - SETBACK LINE
 - TOPOGRAPHIC CONTOUR
 - IP. IRON PIN
 - JOHN SMITH R/O REPUTED OWNER
 - ⊕ DRAINAGE MANHOLE
 - DRAINAGE LINE
 - WATER LINE
 - R.E. RIM ELEVATION
 - ⊕ HYD. HYDRANT
 - ⊕ WATER VALVE
 - ⊕ SIGN
- PROPOSED**
- TOPOGRAPHIC CONTOUR
 - FENCE LINE
 - DRAINAGE PIPE
 - DRAINAGE SWALE
 - DRAINAGE DITCH
 - WATER LINE
 - WATER VALVE
 - CB CATCH BASIN
 - CS CONTROL STRUCTURE
 - OUTLET FALL PROTECTION
 - FLOW DIRECTION ARROW
 - RD ROOF DRAIN
 - FM FORCE MAIN PIPE
 - PUMP STATION
 - LP LIGHT POLE
 - BUILDING LIGHT
 - BOLLARD
 - TREE

REVISIONS:

NO.	DATE	DESCRIPTION

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PROJECT: **STATE ROUTE 5 PROPERTY**
CLIENT: BELDEN PROPERTIES, LLC
LOCATION: 1134 STATE ROUTE 5, TOWN OF ELBRIDGE, ONONDAGA COUNTY, NEW YORK, 13060

DRAWING TITLE:
PRELIMINARY SITE PLAN

PROJECT No.: 2013060
SCALE: AS NOTED
DATE: 10-03-25
ENG'D BY: JED
DRAWN BY: ALP
CHECKED BY: JED

PRELIMINARY
10-03-25
NOT FOR CONSTRUCTION

SHEET NO:
SP-1



KEY

EXISTING	
---	PROPERTY LINE
- - - -	SETBACK LINE
---	TOPOGRAPHIC CONTOUR
IP	IRON PIN
JOHN SMITH R/O	REPUTED OWNER
⊕	DRAINAGE MANHOLE
—○—	DRAINAGE LINE
---	WATER LINE
R.E.	RIM ELEVATION
⊕	HYDRANT
⊕	WATER VALVE
⊕	SIGN
PROPOSED	
---	TOPOGRAPHIC CONTOUR
---	FENCE LINE
---	DRAINAGE PIPE
---	DRAINAGE SWALE
---	DRAINAGE DITCH
---	WATER LINE
---	WATER VALVE
CB	CATCH BASIN
CS	CONTROL STRUCTURE
---	OUTLET FALL PROTECTION
---	FLOW DIRECTION ARROW
RD	ROOF DRAIN
FM	FORCE MAIN PIPE
●	PUMP STATION
LP	LIGHT POLE
---	BUILDING LIGHT
●	BOLLARD
⊕	TREE
---	CHECK DAM
---	INLET PROTECTION
---	SILT FENCE
---	CONSTRUCTION ENTRANCE

EROSION & SEDIMENT CONTROL PLAN

1" = 30'
SCALE

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EROSION & SEDIMENT CONTROL PLAN

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SHEET NO.
ES-1

CONSTRUCTION SEQUENCE AND EARTHWORK SPECIFICATIONS

CONSTRUCTION OF THE PROJECT IS EXPECTED TO BEGIN IN THE FALL OF 2025. THE GENERAL SITE NOTES AND ANTICIPATED CONSTRUCTION SEQUENCE FOR THE SITE IMPROVEMENTS CONSIST OF THE FOLLOWING:

GENERAL NOTES

- ONE (1) WEEK PRIOR TO BEGINNING EARTHWORK OPERATIONS, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DISCUSS THE EROSION AND SEDIMENT CONTROL PLAN AND TO FINALIZE THE PAPERWORK FOR THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AS SPECIFIED IN THE DEC STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT GP-0-15-002.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE DEVICES PROVIDING PROTECTION TO A GIVEN AREA SHALL NOT BE REMOVED UNTIL THE DISTURBED LANDS IN THAT AREA ARE STABILIZED.
- EACH CONTRACTOR AND SUBCONTRACTOR WHO WILL BE INVOLVED IN SOIL DISTURBANCE AND/OR STORMWATER MANAGEMENT PRACTICE INSTALLATION SHALL SIGN AND DATE A COPY OF THE CONTRACTOR CERTIFICATION STATEMENT INCLUDED IN THE SWPPP BEFORE UNDERTAKING ANY LAND DEVELOPMENT ACTIVITY.
- NO DISTURBED AREA SHALL REMAIN EXPOSED FOR MORE THAN 7 CALENDAR DAYS, EXCEPT FOR PORTIONS OF THE SITE IN WHICH WORK WILL BE CONTINUOUS BEYOND 7 DAYS (E.G., THE BUILDING FOOTPRINT). TEMPORARY VEGETATION, IN ACCORDANCE WITH DEC GUIDELINES, SHALL BE PROVIDED IN ALL AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR GREATER THAN 7 CALENDAR DAYS.
- THE FOLLOWING CONSTRUCTION SEQUENCE AND SPECIFICATIONS PERTAIN TO GENERAL SITE PREPARATION OF THE BUILDING PAD AND PARKING LOT AREAS. ADDITIONAL DESIGN INFORMATION, SPECIFICATIONS AND TESTING REQUIREMENTS FOR THE BUILDING'S FOUNDATION SYSTEM IS NOT INCLUDED (TO BE PROVIDED BY OTHERS).

SITE PREPARATION

- ESTABLISH STABILIZED CONSTRUCTION ENTRANCE. ALL CONSTRUCTION VEHICLES SHALL BE REQUIRED TO USE THE STABILIZED CONSTRUCTION ENTRANCE AND BE RESTRICTED FROM THE USE OF ALTERNATIVE ACCESS POINTS LOCATED WITHIN THE SITE LIMITS.
- INSTALL ORANGE CONSTRUCTION AND SILT FENCING AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE ESC PLAN.
- ESTABLISH EQUIPMENT STAGING AREA AND STOCKPILE LOCATIONS AS INDICATED ON THE EROSION AND SEDIMENT CONTROL (ESC) PLAN.
- PROVIDE ALTERNATE EQUIPMENT AND MATERIAL STAGING AND SOIL STOCKPILE AREAS IN ACCORDANCE WITH PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND DEC GENERAL PERMIT GP-0-15-002.

CLEARING AND GRUBBING

GENERAL:

- CLEAR AND GRUB SITE TO LIMITS SHOWN.
- STAGE REMOVED TREES, STUMPS AND ORGANIC DEBRIS WITHIN DESIGNATED AREA(S), PENDING OFF-SITE DISPOSAL OR ON-SITE RECYCLING (E.G., "CHIPPING" FOR RE-USE AS MULCH).
- NO ON-SITE BURYING OF ORGANIC MATERIAL SHALL BE ALLOWED.

BUILDING AND PARKING LOT AREAS:

- ROOT STRUCTURES LOCATED DIRECTLY BELOW STRUCTURAL FILL ZONES SHALL BE REMOVED.

SITE GRADING AND BUILDING CONSTRUCTION

- STRIP AND STOCKPILE TOPSOIL FROM PROPOSED BUILDING AND PARKING LOT FOOTPRINTS.
- STOCKPILE THE REMOVED TOPSOIL AT THE DESIGNATED STOCKPILE AND SPOILS AREA IDENTIFIED ON THE ESC PLAN.
 - COVER STOCKPILE AND PROVIDE SILT FENCING AROUND THE PERIMETER OF STAGED TOPSOIL AND/OR TEMPORARILY STAGED PILES OF FILL.
- EXCAVATE AND GRADE THE PROPOSED SWALES TO THEIR APPROXIMATE FINISHED GRADE LIMITS. UTILIZE THESE SWALES AS TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES. FINAL CONSTRUCTION OF THE DRY SWALES (METHOD 0-1) AND BIORETENTION FILTERS (METHOD F-5) SHALL NOT BE COMPLETED UNTIL ALL UPSTREAM AREAS ARE STABILIZED.
- INSTALL CHECK DAMS AS INDICATED ON THE ESC PLAN.
- CONSTRUCT TEMPORARY SEDIMENTATION BASINS WITHIN THE LIMITS OF THE PROPOSED DETENTION POND. NOTE THAT ACCUMULATED SEDIMENT SHALL BE REMOVED PRIOR TO THE COMMENCEMENT OF FINISH GRADING.
- INSTALL ADDITIONAL SILT FENCE, AS NEEDED, DOWN-GRADIENT FROM LOCALIZED AREAS OF CONSTRUCTION ACTIVITIES.
- UTILITY INSTALLATION
 - INSTALL UTILITIES AND DRAINAGE SYSTEM PIPING AND STRUCTURES TO THE LIMITS SHOWN AND IN ACCORDANCE WITH THE DETAILS PROVIDED WITHIN THE DESIGN PLANS.
 - DISCHARGED GROUNDWATER FROM DEWATERING OPERATIONS SHALL BE DIRECTED TO THE TEMPORARY SEDIMENTATION BASIN, AS/IF NEEDED.
 - TRENCHING MATERIAL SHALL BE PLACED ON THE UPSTREAM SIDE OF THE TRENCH AND IMMEDIATELY BACKFILLED AND STABILIZED UPON UTILITY INSTALLATION COMPLETION.
 - ALL UNDERGROUND UTILITIES INCLUDING ELECTRICAL CONDUIT SHALL BE INSTALLED PRIOR TO PLACING SUBBASE.
- CONSTRUCT THE PROPOSED BUILDING(S) AS SPECIFIED IN CONTRACT DOCUMENTS PREPARED BY THE PROJECT ARCHITECT.
- EARTHWORK AND SITE GRADING:

GENERAL:

- COMPLETE EARTHWORK AND GRADING OPERATIONS, INCLUDING PLACEMENT OF FILL TO LIMITS INDICATED.

10. PLACEMENT OF STRUCTURAL FILL (IMPORTED GRANULAR FILL AND CRUSHED STONE)

- FOLLOWING CLEARING/GRUBBING AND REMOVAL OF TOPSOIL, THE AREA SHOULD BE PROOF-ROLLED USING A 10-WHEEL DUMP TRUCK FULLY LOADED WITH SOIL OR CRUSHED STONE. AREAS THAT RUT, WEAVE OR DEFLECT SHOULD BE OVER-EXCAVATED AND REPLACED WITH COMPACTED STRUCTURAL FILL.
- FIELD MOISTURE CONTENTS FOR STRUCTURAL FILL SHOULD BE MAINTAINED WITHIN 2 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT ESTABLISHED BY LABORATORY TESTING TO PROVIDE ADEQUATE COMPACTION.
- THE SOURCE QUARRY SHOULD PROVIDE SIEVE ANALYSIS, LABORATORY COMPACTION AND MOISTURE TESTING DATA FOR REVIEW PRIOR TO IMPORTATION OF MATERIAL. ALTERNATIVELY, A MINIMUM OF THREE BULK SAMPLES OF PROPOSED FILL MATERIALS SHOULD BE DELIVERED TO A TESTING LABORATORY AT LEAST TWO WEEKS PRIOR TO INITIATION OF EARTHWORK.
- ALL FILL SHOULD BE PLACED IN LEVEL LIFTS HAVING A LOOSE THICKNESS NO GREATER THAN 12 INCHES AND SHOULD BE COMPACTED WITH VIBRATORY ROLLERS TO AT LEAST THE FOLLOWING MINIMUM PERCENTAGES OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY:

BENEATH PAVEMENTS:	95%
BENEATH LANDSCAPE AREAS:	90%

10. PLACEMENT OF FILL (ON-SITE SOILS)

- EXISTING ON-SITE SOIL CAN POTENTIALLY BE RE-UTILIZED AS STRUCTURAL FILL (BELOW PARKING LOT AND LAWNS ONLY) PROVIDED THAT PROPER MOISTURE CONTROL IS PERFORMED DURING EARTHWORK.
- USE OF ON-SITE SOIL AS FILL IS NOT RECOMMENDED DURING WET WEATHER CONSTRUCTION. IF FILL PLACEMENT WILL OCCUR OTHER THAN DURING THE SUMMER MONTHS, THE USE OF IMPORTED GRANULAR FILL OR CRUSHED STONE IS RECOMMENDED.
- FOLLOWING CLEARING/GRUBBING AND REMOVAL OF TOPSOIL, THE AREA SHOULD BE PROOF-ROLLED USING A 10-WHEEL DUMP TRUCK FULLY LOADED WITH SOIL OR CRUSHED STONE. AREAS THAT RUT, WEAVE OR DEFLECT SHOULD BE OVER-EXCAVATED AND REPLACED WITH COMPACTED STRUCTURAL FILL.
- FIELD MOISTURE CONTENTS FOR STRUCTURAL FILL SHOULD BE MAINTAINED WITHIN 2 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT ESTABLISHED BY LABORATORY TESTING TO PROVIDE ADEQUATE COMPACTION.

- ALL FILL SHOULD BE PLACED IN LEVEL LIFTS HAVING A LOOSE THICKNESS NO GREATER THAN 12 INCHES AND SHOULD BE COMPACTED WITH VIBRATORY ROLLERS TO AT LEAST THE FOLLOWING MINIMUM PERCENTAGES OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY:
- BENEATH PAVEMENTS: 95%
- BENEATH LANDSCAPE AREAS: 90%
- A MINIMUM OF THREE BULK SAMPLES OF PROPOSED FILL MATERIALS SHOULD BE DELIVERED TO A TESTING LABORATORY AT LEAST TWO WEEKS PRIOR TO INITIATION OF EARTHWORK.
- IN-PLACE DENSITY TESTING (ASTM D6938) SHOULD BE PERFORMED AT A FREQUENCY TO BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER.
- THE USE OF SEPARATION AND/OR STABILIZATION GEOTEXTILES MAY BE RECOMMENDED, DEPENDING ON FIELD CONDITIONS AND DENSITY TESTING RESULTS.

11. PAVED AREAS:

- COMPLETE PROOF-ROLLING, PLACEMENT OF SEPARATION GEOTEXTILE AND PAVING OPERATIONS. REFER TO PAVING SPECIFICATIONS FOR ADDITIONAL INFORMATION

12. CONTINUALLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES DURING GRADING OPERATIONS.

RESTORATION

- PERFORM SOIL RESTORATION PRACTICES, IN CONFORMANCE WITH THE NYSDEC'S "DEEP RIPPING AND DE-COMPACTION" (2008), IN AREAS WHERE EXISTING IMPERVIOUS SURFACES WILL BE CONVERTED TO PERVIOUS AREAS AND AREAS THAT EXPERIENCE REPEATED HEAVY EQUIPMENT TRAFFIC.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM DRAINAGE STRUCTURES, SWALES AND STORMWATER MANAGEMENT AREAS.
- RE-GRADE THE TEMPORARY SEDIMENTATION BASINS AND ESTABLISH THE FINISHED GRADE ELEVATIONS INDICATED ON THE GRADING PLAN.
- SEED, MULCH AND STABILIZE ALL DISTURBED GROUND COVER (I.E., LAWN AND DETENTION BASIN AREAS).
- CONSTRUCT THE DRY SWALES (METHOD 0-1) AND BIORETENTION FILTERS (METHOD F-5).
- INSTALL LANDSCAPING FEATURES (I.E., PLANTS, MULCH, ETC).
- REMOVE TEMPORARY EROSION CONTROL DEVICES ONCE VEGETATION HAS BEEN ESTABLISHED.

EROSION & SEDIMENT CONTROL INSPECTION PROCEDURES AND MAINTENANCE

- A TRAINED CONTRACTOR, (AS DEFINED IN SPDES GENERAL PERMIT GP-0-15-002) WITH A VALID "CERTIFICATE OF EROSION AND SEDIMENT CONTROL TRAINING" ISSUED BY THE NYSDEC SHALL BE ON-SITE DURING ALL LAND DISTURBANCE CONSTRUCTION ACTIVITIES IN ORDER TO INSPECT THE EROSION AND SEDIMENT CONTROL MEASURES SPECIFIED IN THESE CONSTRUCTION DRAWINGS. ACTIVE CONSTRUCTION ZONES SHALL BE INSPECTED DAILY TO ENSURE THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES. CORRECTIVE MEASURES TO ADDRESS ANY DEFICIENCIES IDENTIFIED BY THE TRAINED CONTRACTOR SHALL BE IMPLEMENTED WITHIN 24 HOURS.
- DURING CONSTRUCTION, THE SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED ONCE PER WEEK BY A QUALIFIED INSPECTOR, (AS DEFINED IN SPDES GENERAL PERMIT GP-0-15-002)
 - INSPECTION FREQUENCY TO BE INCREASED TO TWICE EVERY 7 CALENDAR DAYS IF DISTURBANCE AREA EXCEEDS 5 ACRES.
 - WEEKLY INSPECTIONS TO BE SEPARATED BY MINIMUM TWO (2) CALENDAR DAYS
 - INSPECTION REPORTS SHALL BE EMAILED TO THE TOWN CODE ENFORCEMENT OFFICER AND TOWN ENGINEER WITHIN 24 HOURS OF THE INSPECTION.
 - THE OWNER (DEVELOPER) WILL BE RESPONSIBLE TO ENSURE THAT THESE REQUIRED INSPECTIONS ARE ADEQUATELY PERFORMED.
- STABILIZATION MEASURES: DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION WILL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. AFTER THE SITE IS STABILIZED, INSPECTIONS WILL BE CONDUCTED AT LEAST ONCE EVERY MONTH THROUGHOUT THE LIFE OF THE PROJECT.
- STRUCTURAL CONTROLS: SILT FENCES, STRAW BALE BARRIERS, AND ALL OTHER EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN WILL BE INSPECTED REGULARLY FOR PROPER POSITIONING, ANCHORING, AND EFFECTIVENESS IN TRAPPING SEDIMENTS. SEDIMENT WILL BE REMOVED AS NEEDED FROM THE UPSTREAM OR UP-SLOPE SIDE OF THE SILT FENCES AND CHECK DAMS, AS NEEDED TO MAINTAIN THE FENCE.
- DISCHARGE POINTS: DISCHARGE POINTS OR LOCATIONS WILL BE INSPECTED TO DETERMINE WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT AMOUNTS OF POLLUTANTS FROM ENTERING RECEIVING WATERS.
- CONSTRUCTION ENTRANCES: LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE WILL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.
- ALL SEEDED AREAS SHALL BE MAINTAINED AS FOLLOWS:
 - IDENTIFY SEEDED AREAS WITH STAKES, STRING AND BRIGHTLY COLORED FLAGGING. PROTECT SEEDED AREAS UNTIL VEGETATION HAS BEEN ESTABLISHED.

LANDSCAPE SPECIFICATIONS

TOPSOIL

TOPSOIL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NYSOT SPECIFICATION SECTION 713-01, OR SHALL BE SUITABLE MATERIAL FREE OF STONES OVER 1-INCH DIAMETER AND OTHER DELETERIOUS MATERIAL APPROVED BY THE PROJECT ENGINEER.

MINIMUM THICKNESS OF 4-INCHES.

AREAS RECEIVING TOPSOIL SHALL BE LEFT NEATLY GRADED AND READY TO RECEIVE SEEDING.

SEEDING

WORK FOR SEEDING SHALL CONSIST OF PREPARING GROUND SURFACES, FURNISHING AND APPLYING FERTILIZER, SEED, AND MULCH TO THE AREAS INDICATED BY THE PLANS, STANDARD DETAILS AND OTHER AREAS AS DIRECTED BY THE PROJECT ENGINEER.

MATERIALS FOR SEED, FERTILIZER AND MULCH SHALL CONFORM TO THE REQUIREMENTS OF NYSOT SPECIFICATION SECTION 713, OR SHALL BE APPROVED BY THE PROJECT ENGINEER.

THE AREAS TO BE SEEDED SHALL BE THOROUGHLY PREPARED PRIOR TO SEEDING. SEED, FERTILIZER AND MULCH SHALL BE EVENLY DISTRIBUTED. MULCH SHALL BE APPLIED IN THE AMOUNTS SPECIFIED BELOW.

SUGGESTED SEED MIX (OR EQUAL):

NAME	PLS lbs/ACRE	PLS lbs/1,000 SQ. FT.
65% KENTUCKY BLUEGRASS	85-114	2.0-2.6
20% PERENNIAL RYEGRASS	26-35	0.6-0.8
15% FINE FESCUE	19-26	0.4-0.6
TOTAL	130-175	3.0-4.0

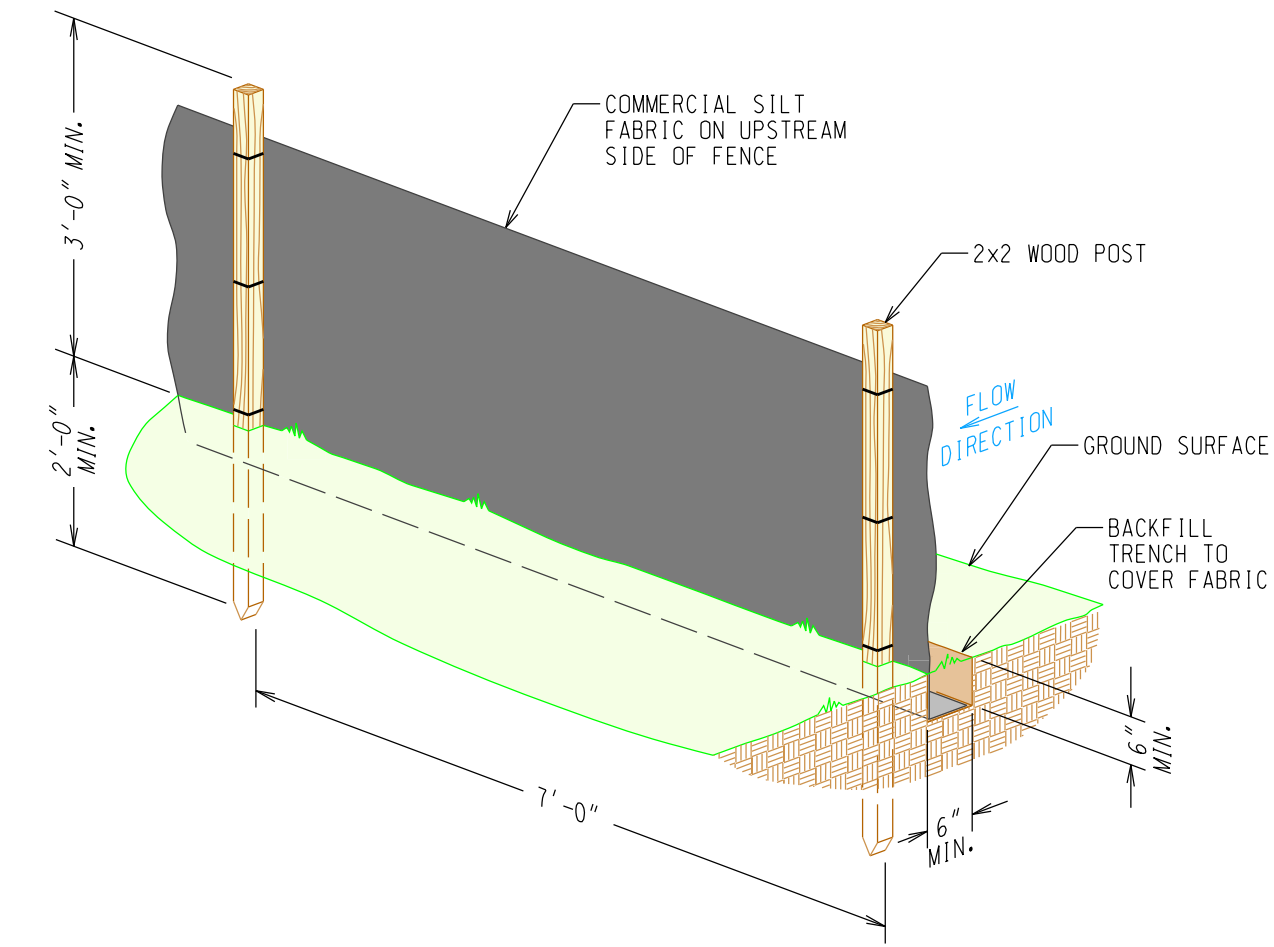
PLS-PURE LIVE SEED

MULCH (HAY OR STRAW) SHALL CONSIST OF BALED WHEAT, OAT, RYE OR OTHER GRASSES AND BE APPLIED AT THE RATE OF 2 TONS PER ACRE. THE MULCH SHALL BE ANCHORED WITH A COMMERCIALY AVAILABLE MULCH ANCHORAGE PRODUCT.

ANCHORING: BIODEGRADABLE EROSION CONTROL BLANKET

HYDROMULCH SHALL BE COMPOSED OF WOOD CELLULOSE FIBER HAVING THE FOLLOWING CHARACTERISTICS:

- HYDROMULCH SHALL BE COLORED GREEN. HYDROSEED / HYDROMULCH SHALL BE APPLIED AT THE RATE OF 2,500 POUNDS PER ACRE.
- PERCENT MOISTURE CONTENT: 9.0% (+3.0%)
- PERCENT ORGANIC MATTER: 99.2% (+0.08%)
- PERCENT ASH CONTENT: 0.8% (+0.2%)
- PH: 4.8 (+0.5)
- WATER HOLDING CAPACITY: MIN. 1,150 GRAMS WATER / 100 GRAMS FIBER

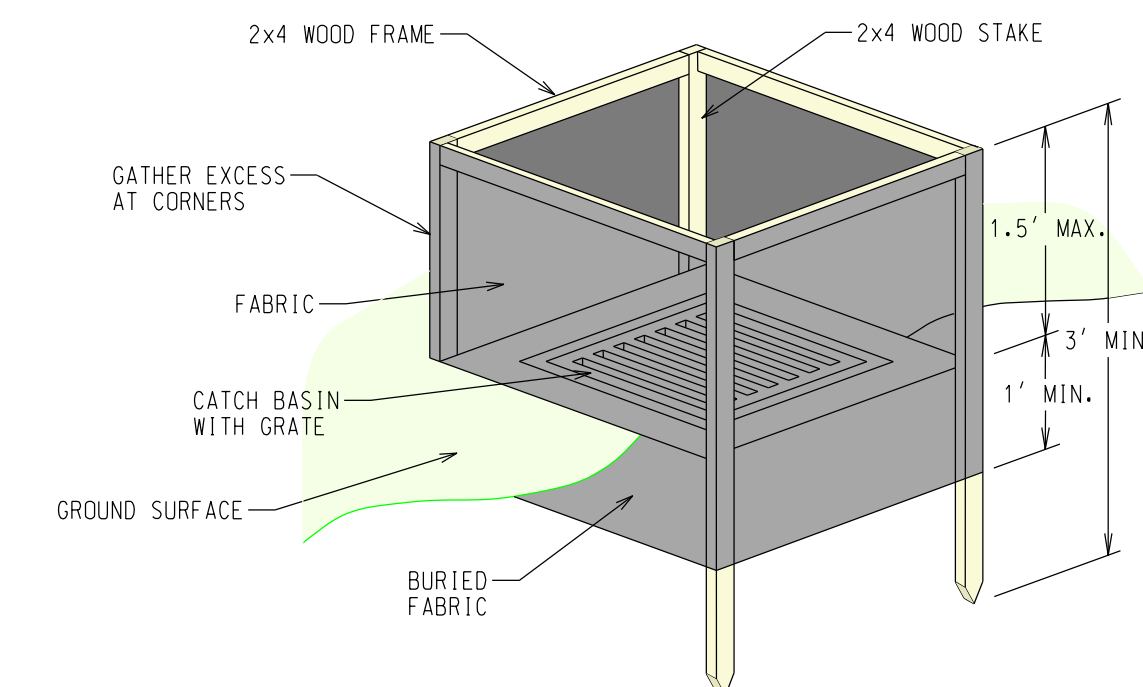


NOTES:

- FILTER CLOTH SHALL BE MIRAFI 100X, "STABLELINK T140N". IF A PREFABRICATED UNIT IS UTILIZED USE ENVIRFENCE.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL

NOT TO SCALE

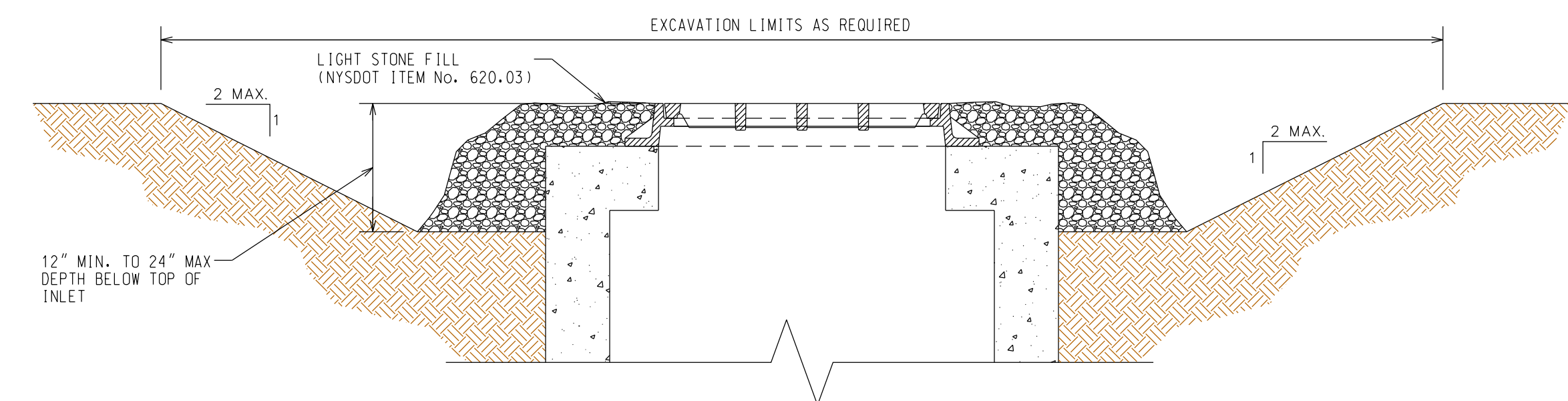


NOTES:

- FILTER FABRIC SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 40 TO 85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKES WILL BE STANDARD 2"x4" WOOD OR METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
- ALTERNATE FORM OF INLET PROTECTION MAY BE PERFORMED UPON REVIEW AND APPROVAL FROM PROJECT ENGINEER.

FILTER FABRIC INLET PROTECTION

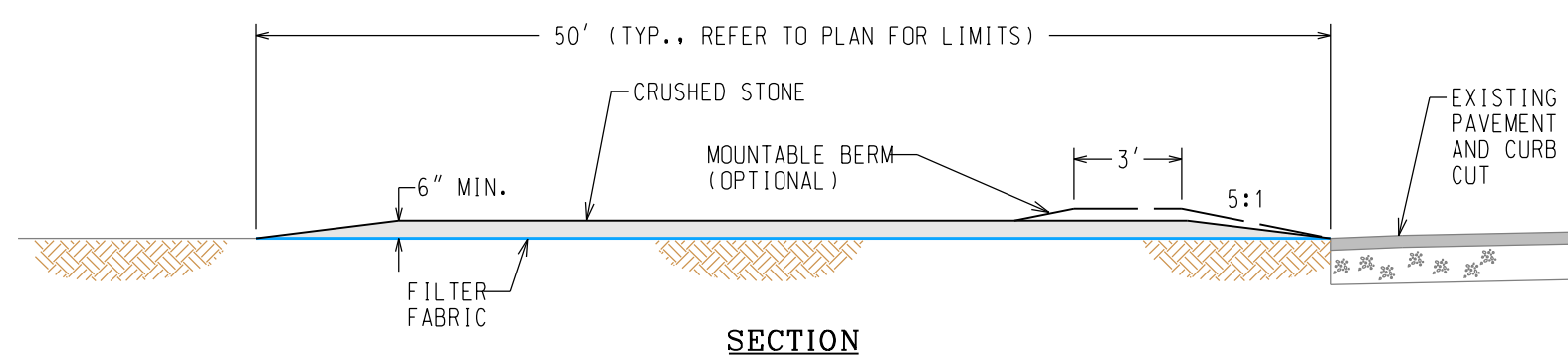
NOT TO SCALE



TYPICAL CATCH BASIN INLET PROTECTION DETAIL

NOT TO SCALE

PRELIMINARY
10-03-25
NOT FOR CONSTRUCTION

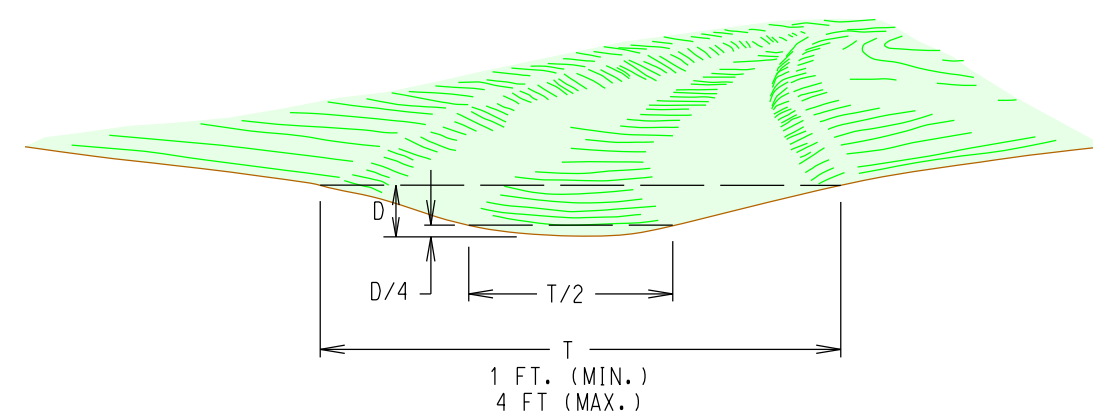


NOTES:

1. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
2. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
4. INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NECESSARY AFTER EACH RAIN.
5. CRUSHED STONE SIZE: 1-4 INCH STONE.
6. WIDTH: 24' (TYP., REFER TO PLAN FOR LIMITS)

CONSTRUCTION ENTRANCE

NOT TO SCALE

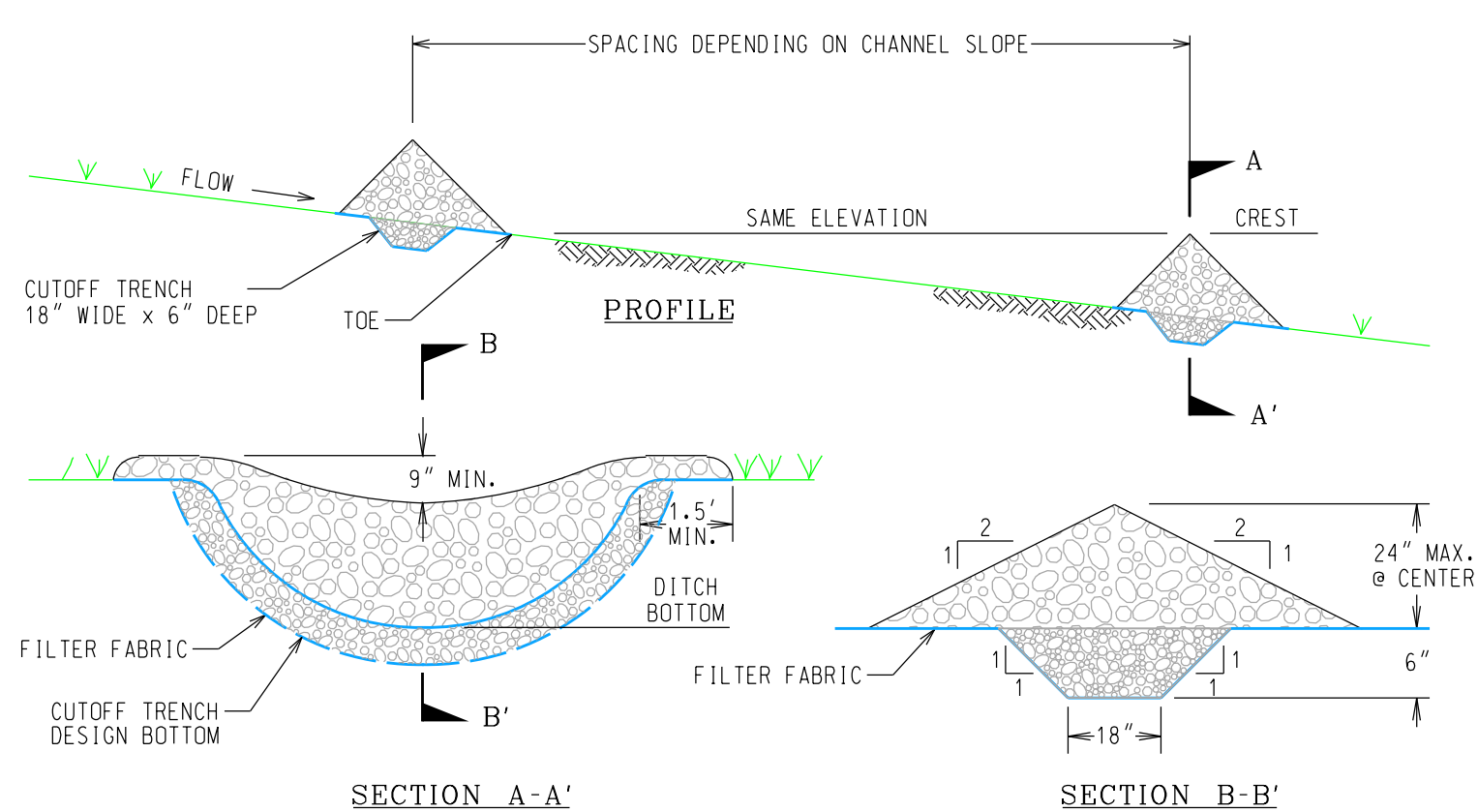


CONSTRUCTION SPECIFICATIONS

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE WATERWAY.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
5. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE LANDSCAPE SPECIFICATIONS.

GRASSED SWALE DETAIL

NOT TO SCALE

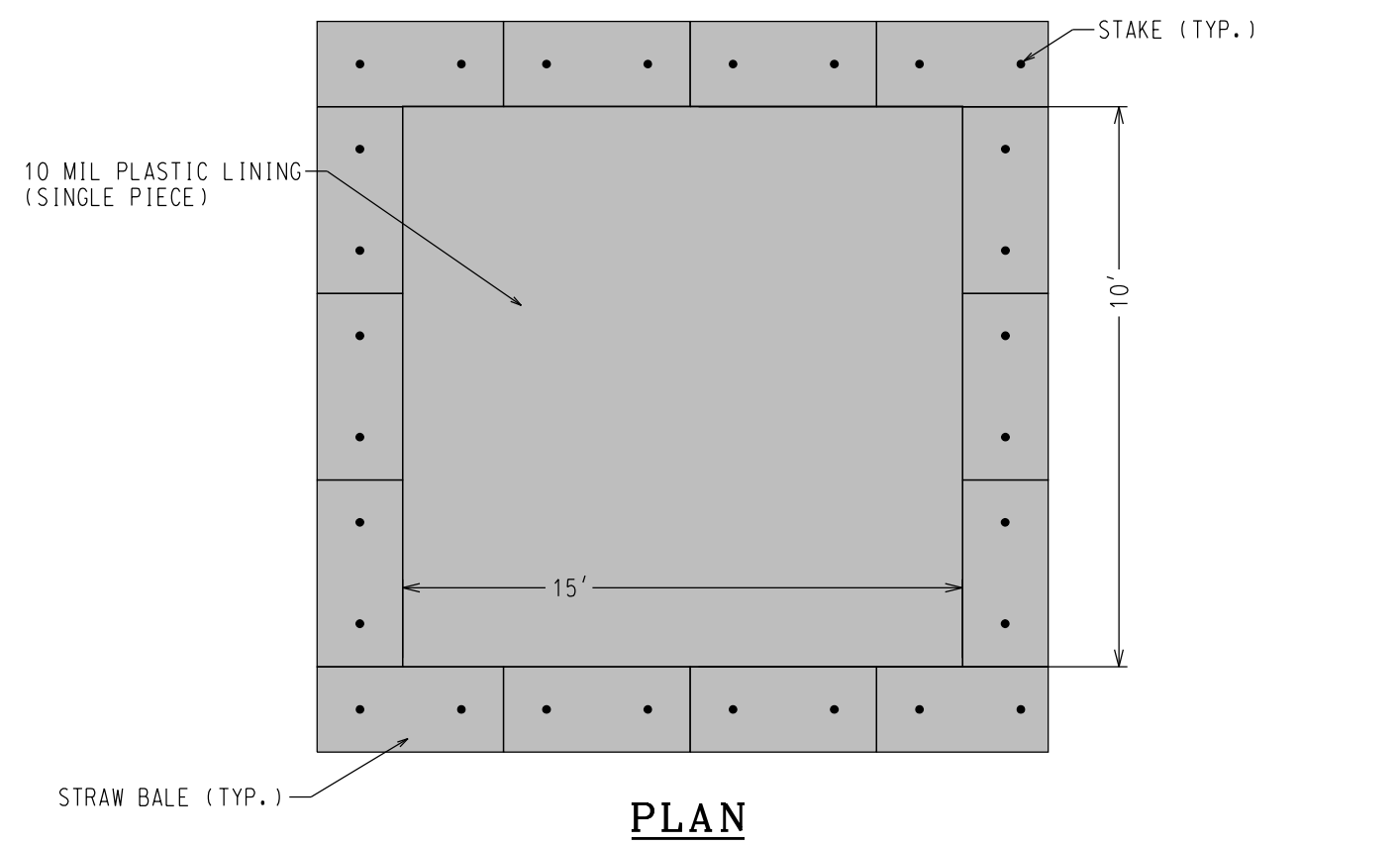


CONSTRUCTION SPECIFICATIONS:

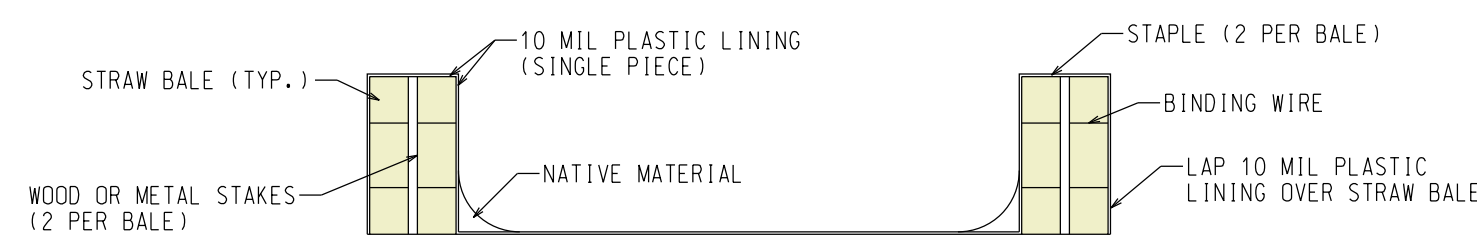
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE EROSION & SEDIMENT CONTROL PLAN.
2. SET SPACING OF CHECK DAMS SUCH THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
6. STONE SIZE: USE GRADED STONE 2 TO 15 INCHES IN SIZE (NYS DOT LIGHT STONE FILL MEETS THESE REQUIREMENTS).
7. FILTER FABRIC: MIRAFI 500X OR ADS 200W WOVEN GEOTEXTILE.

CHECK DAM DETAIL

NOT TO SCALE



PLAN



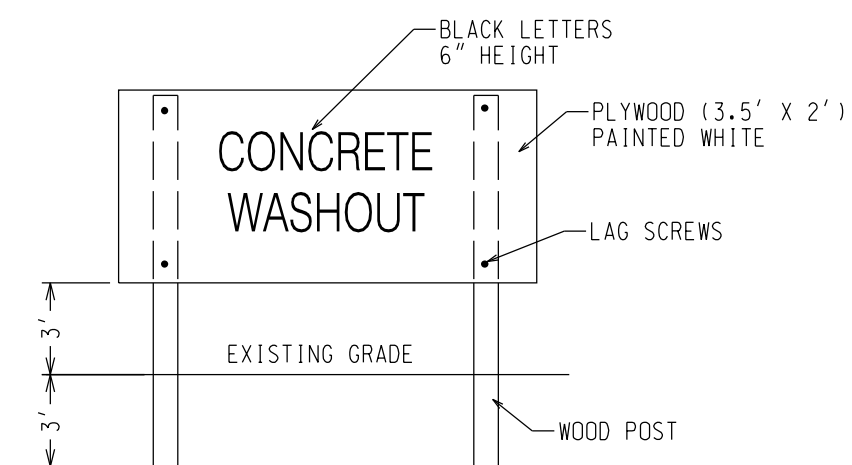
CROSS SECTION

CONCRETE WASHOUT DETAIL

NOT TO SCALE

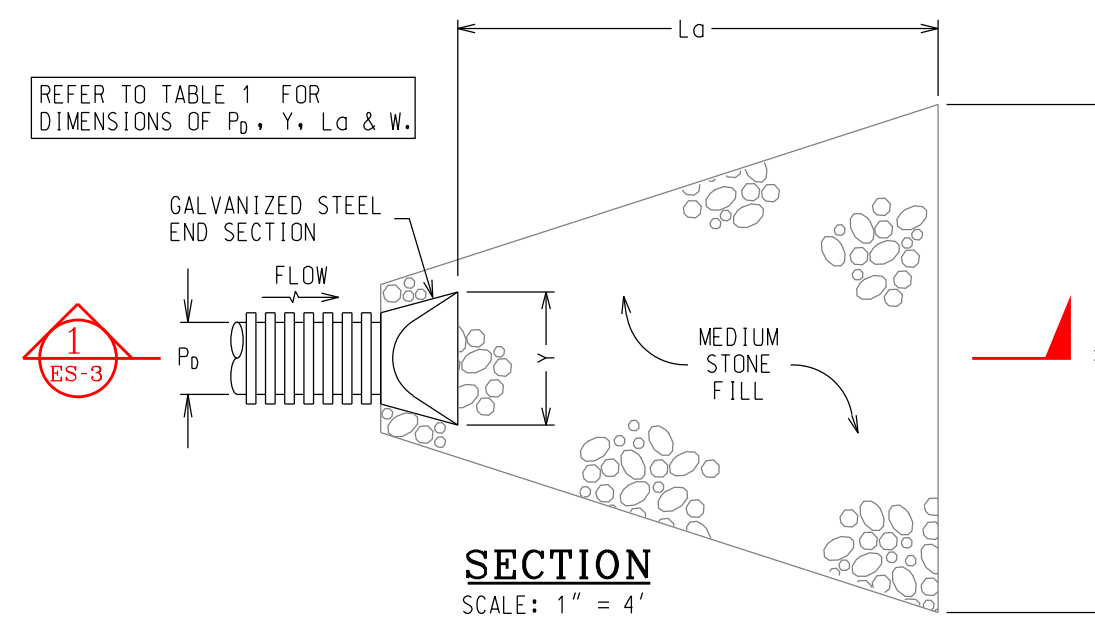
NOTES:

1. ALL MATERIALS MUST BE REMOVED WHEN THE WASHOUT BECOMES NO MORE THAN 75% FILLED.
2. ALL HARDENED MATERIALS SHALL BE CLEANED OUT AND DISPOSED OF PROPERLY.
3. ALL WASHOUTS SHALL BE INSPECTED A MINIMUM OF ONCE A WEEK AND AFTER EACH RAIN EVENT AND ANY REPAIRS MADE AS NEEDED WITHIN 48 HOURS.
4. INSTALL A STABILIZED ACCESS TO THE WASHOUT AREA.
5. INSTALL THE CONCRETE WASHOUT SIGN WITHIN 10' OF THE FACILITY.



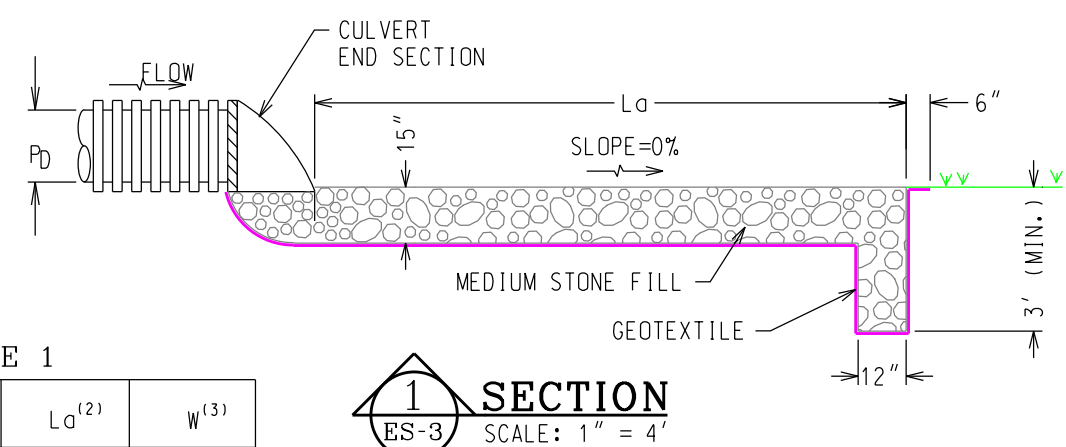
CONCRETE WASHOUT SIGN DETAIL

NOT TO SCALE



SECTION

SCALE: 1" = 4'



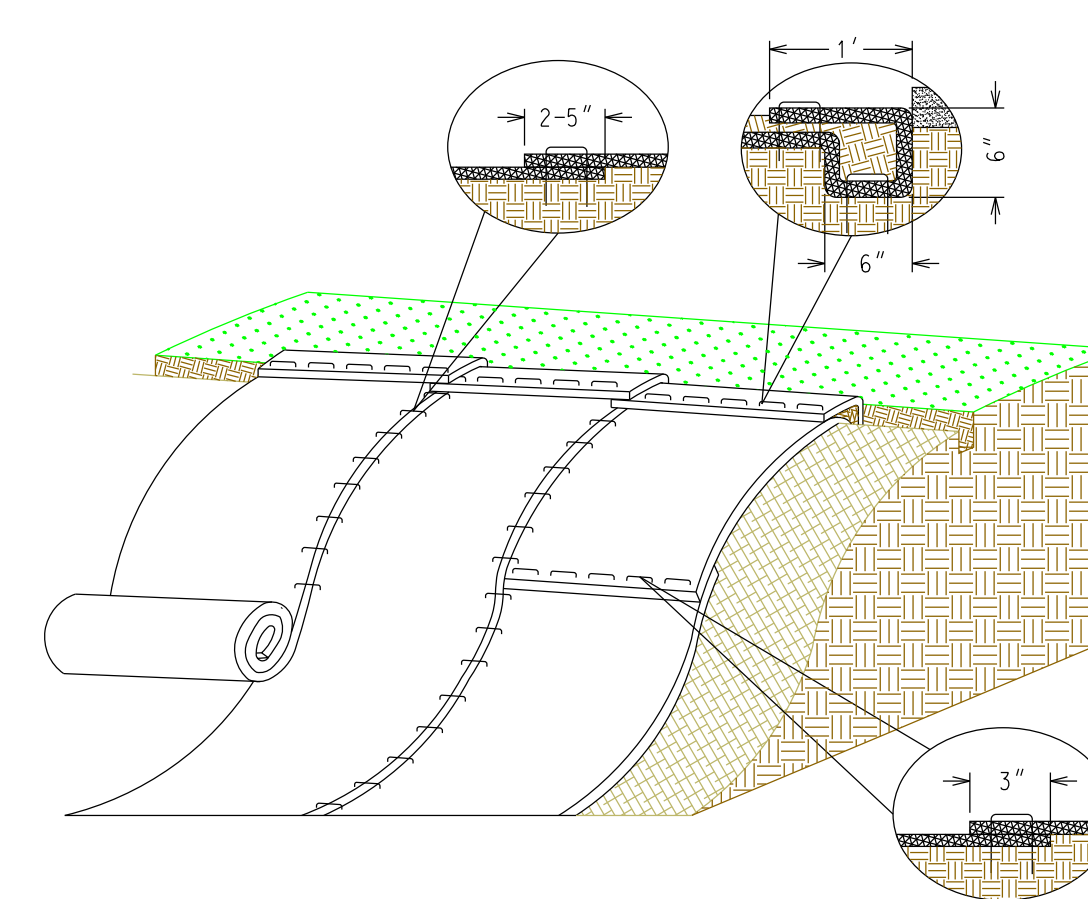
SECTION

SCALE: 1" = 4'

P ₀ - PIPE DIA. (IN.)	Y ⁽¹⁾	L _a ⁽²⁾	W ⁽³⁾
8"	1'-8"	2'-8"	3'-4"
10"	2'-1"	3'-4"	4'-2"
12"	2'-6"	4'-0"	5'-0"
15"	3'-2"	5'-0"	6'-3"
18"	3'-6"	6'-0"	7'-6"
24"	5'-0"	8'-0"	10'-0"
36"	7'-6"	12'-0"	15'-0"

(1) Y=(2.5)(P₀)
 (2) L_a=(4)(P₀)
 (3) W=L_a+P₀

OUTLET PROTECTION DETAILS



CONSTRUCTION SPECIFICATIONS

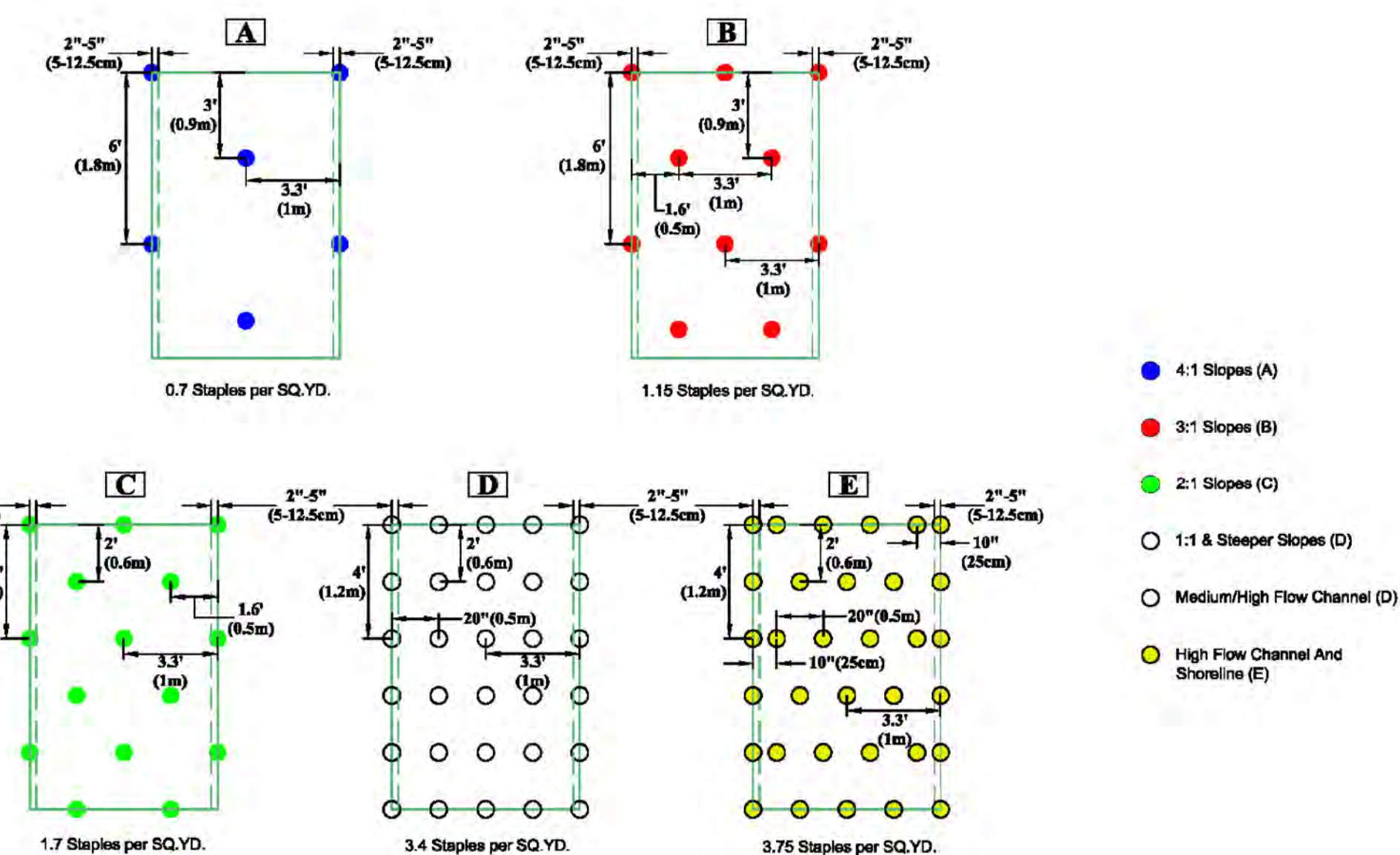
1. A MINIMUM OF 4 INCHES OF TOPSOIL AND SPECIFIED SEED TO BE PLACED PRIOR TO INSTALLATION OF ROLLED EROSION CONTROL PRODUCTS.
2. TURF REINFORCEMENT MAT SHALL BE "V-MAX C350" MANUFACTURED BY TENSAR, OR APPROVED EQUAL.
3. TURF REINFORCEMENT MATS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND GUIDELINES.
4. TURF REINFORCEMENT MATS SHALL BE FASTENED ACCORDING TO STAPLE PATTERN GUIDE.
5. GEOTECHNICAL ENGINEER TO CONFIRM THAT WIRE STAPLES ARE ADEQUATE FOR SOIL CONDITIONS. ALTERNATE ANCHORING DEVICE MAY BE REQUIRED.

ROLLED EROSION CONTROL SLOPE INSTALLATION (TURF REINFORCEMENT MAT)

NOT TO SCALE

REFERENCE:

"TENSAR NORTH AMERICAN GREEN, SLOPE INSTALLATION DETAIL", DRAWN ON 03-16-11.

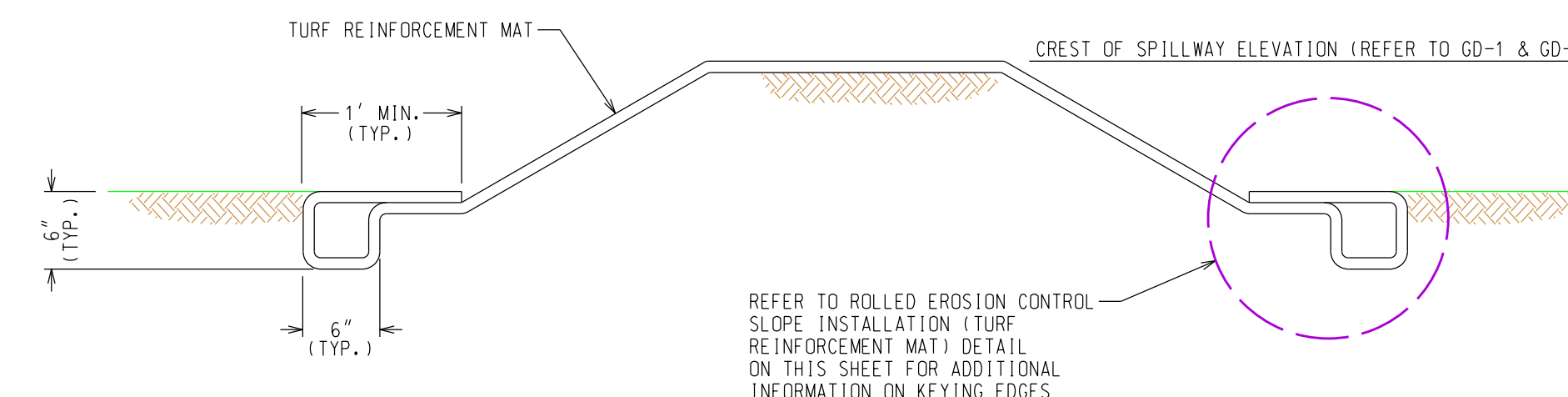


ROLLED EROSION CONTROL STAPLE PATTERN GUIDE

NOT TO SCALE

REFERENCE:

"TENSAR NORTH AMERICAN GREEN, STAPLE PATTERN GUIDE", DRAWN ON 03-16-11.



TYPICAL TURF REINFORCEMENT MAT SPILLWAY SECTION

NOT TO SCALE

PRELIMINARY
 10-03-25
NOT FOR CONSTRUCTION

DATE: _____

REVISIONS:

NOTE: NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT: **STATE ROUTE 5 PROPERTY**
 CLIENT: **BELDEN PROPERTIES, LLC**
 LOCATION: **1134 STATE ROUTE 5, TOWN OF ELBRIDGE, ONONDAGA COUNTY, NEW YORK**

DRAWING TITLE:
EROSION & SEDIMENT CONTROL DETAILS & SPECIFICATIONS

PROJECT No.: **2013060**
 SCALE: **AS NOTED**
 DATE: **10-03-25**
 ENG'D BY: **SKO**
 DRAWN BY: **ALP**
 CHECKED BY: **JED**

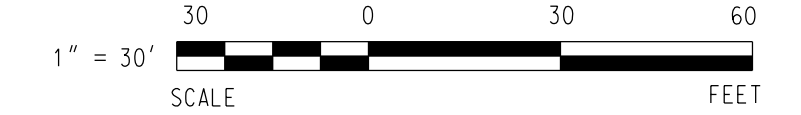
SHEET NO.
ES-3



KEY

- EXISTING**
- PROPERTY LINE
 - - - SETBACK LINE
 - - - TOPOGRAPHIC CONTOUR
 - IP. IRON PIN
 - JOHN SMITH R/O REPUTED OWNER
 - ⊕ DRAINAGE MANHOLE
 - DRAINAGE LINE
 - WATER LINE
 - R.E. RIM ELEVATION
 - HYD HYDRANT
 - WATER VALVE
 - SIGN
- PROPOSED**
- - - TOPOGRAPHIC CONTOUR
 - FENCE LINE
 - DRAINAGE PIPE
 - DRAINAGE SWALE
 - DRAINAGE DITCH
 - WATER LINE
 - WATER VALVE
 - CB CATCH BASIN
 - CS CONTROL STRUCTURE
 - OUTLET FALL PROTECTION
 - FLOW DIRECTION ARROW
 - RD ROOF DRAIN
 - FM FORCE MAIN PIPE
 - PUMP STATION
 - LP LIGHT POLE
 - BUILDING LIGHT
 - BOLLARD
 - TREE
 - F.F.E FINISHED FLOOR ELEVATION
 - I.E. INVERT ELEVATION
 - 75 LF - 15" DIA. HOPE @ 0.67% LENGTH, DIAMETER, MATERIAL AND SLOPE OF ROOF DRAIN PIPE
 - 75 LF - 8" DIA. HOPE @ 0.67% LENGTH, DIAMETER, MATERIAL AND SLOPE OF DRAINAGE PIPE

GRADING & DRAINAGE PLAN



- BASE MAP REFERENCES:**
1. NYS DIGITAL ORTHOIMAGERY PROGRAM (NYSODP); DATED 2022.
 2. "PARCEL OF LAND" SURVEY AS PREPARED BY PAUL JAMES OLSZEWSKI, P.L.S., PLLC; DATED: JULY 27, 2022; PROJECT NO. EL41-03-39; RECEIVED ON: JULY 8, 2025.
 3. "PARCEL OF LAND" SURVEY AS PREPARED BY PAUL JAMES OLSZEWSKI, P.L.S., PLLC; DATED: AUGUST 7, 2025; PROJECT NO. EL41-03-38; RECEIVED ON: AUGUST 7, 2025.

REVISIONS:

NO.	DATE	DESCRIPTION

NOTE: NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

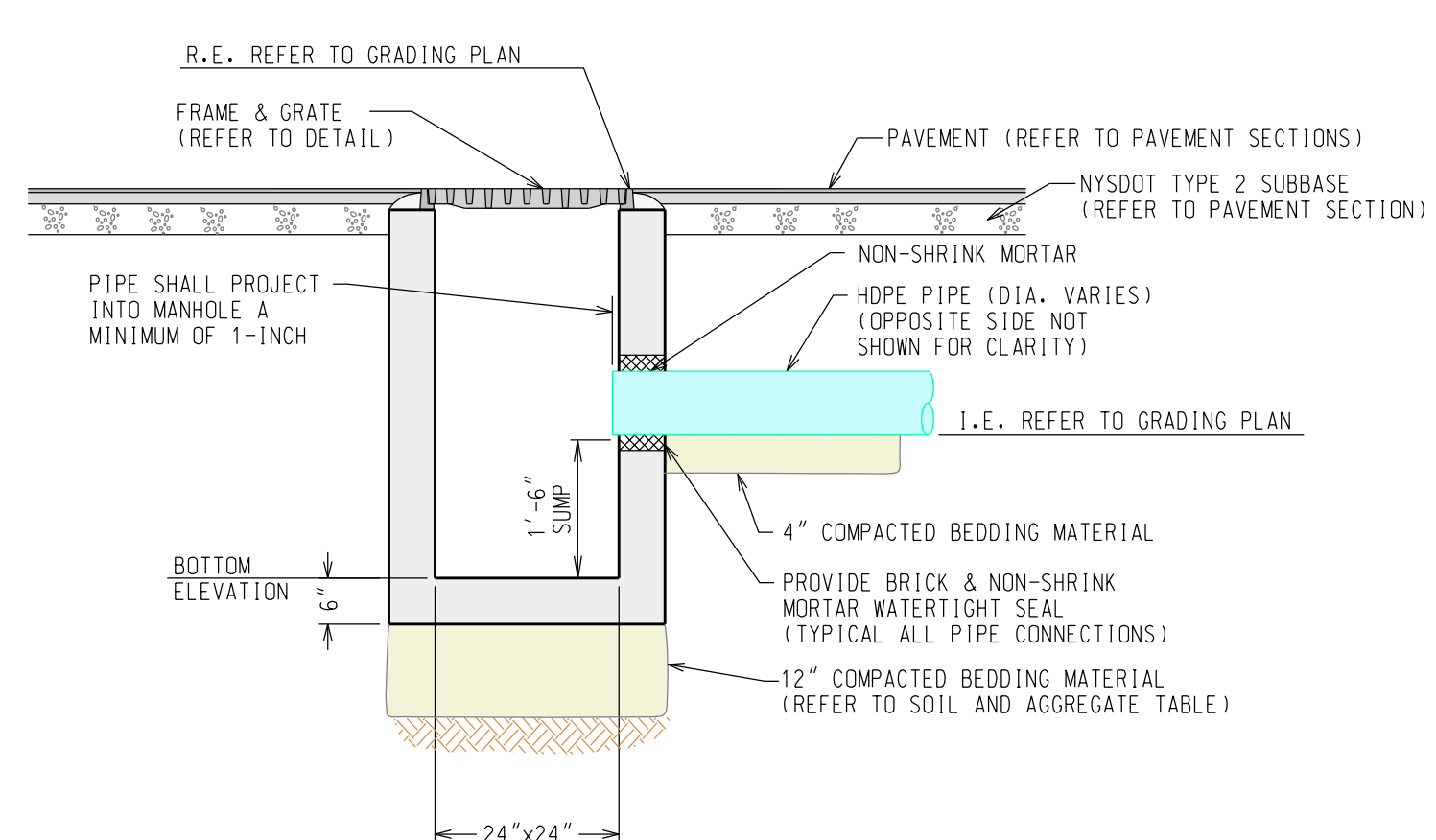
STATE ROUTE 5 PROPERTY
 CLIENT: BELDEN PROPERTIES, LLC
 LOCATION: 1134 STATE ROUTE 5, TOWN OF ELBRIDGE, ONONDAGA COUNTY, NEW YORK, 13060

DRAWING TITLE:
GRADING & DRAINAGE PLAN

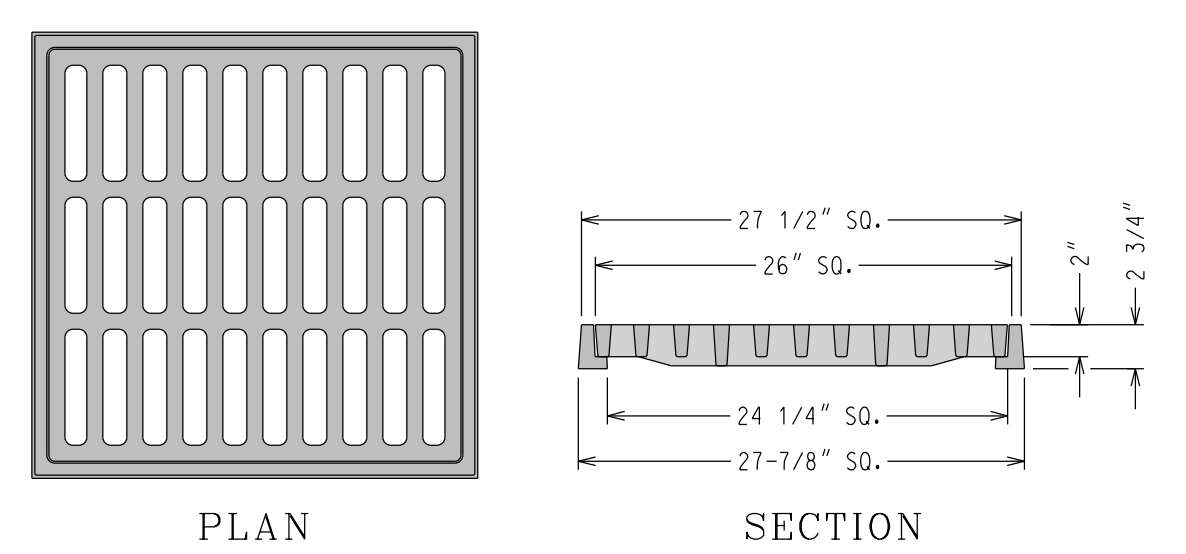
PROJECT No.: 2013060
 SCALE: AS NOTED
 DATE: 10-03-25
 ENG'D BY: JED
 DRAWN BY: ALP
 CHECKED BY: JED

SHEET NO.
GD-1

PRELIMINARY
 10-03-25
 NOT FOR CONSTRUCTION

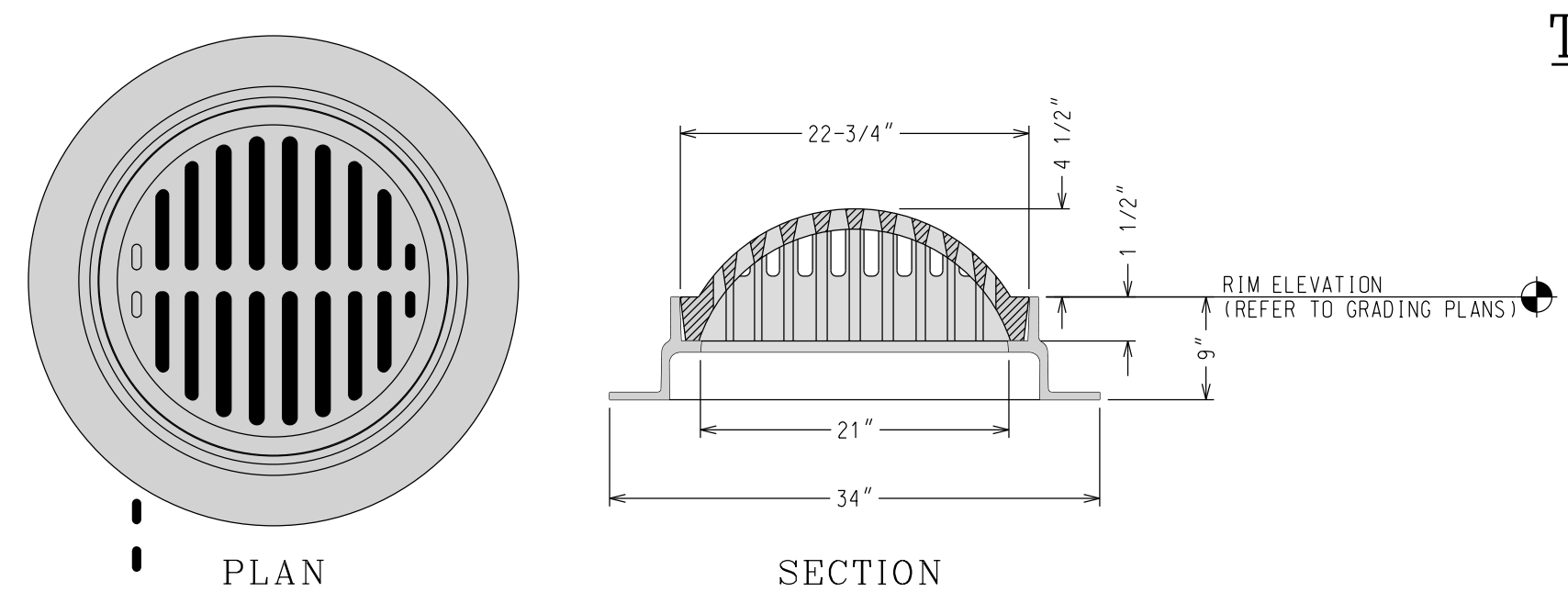


TYPICAL PRECAST SQUARE CONCRETE CATCH BASIN DETAIL
NOT TO SCALE



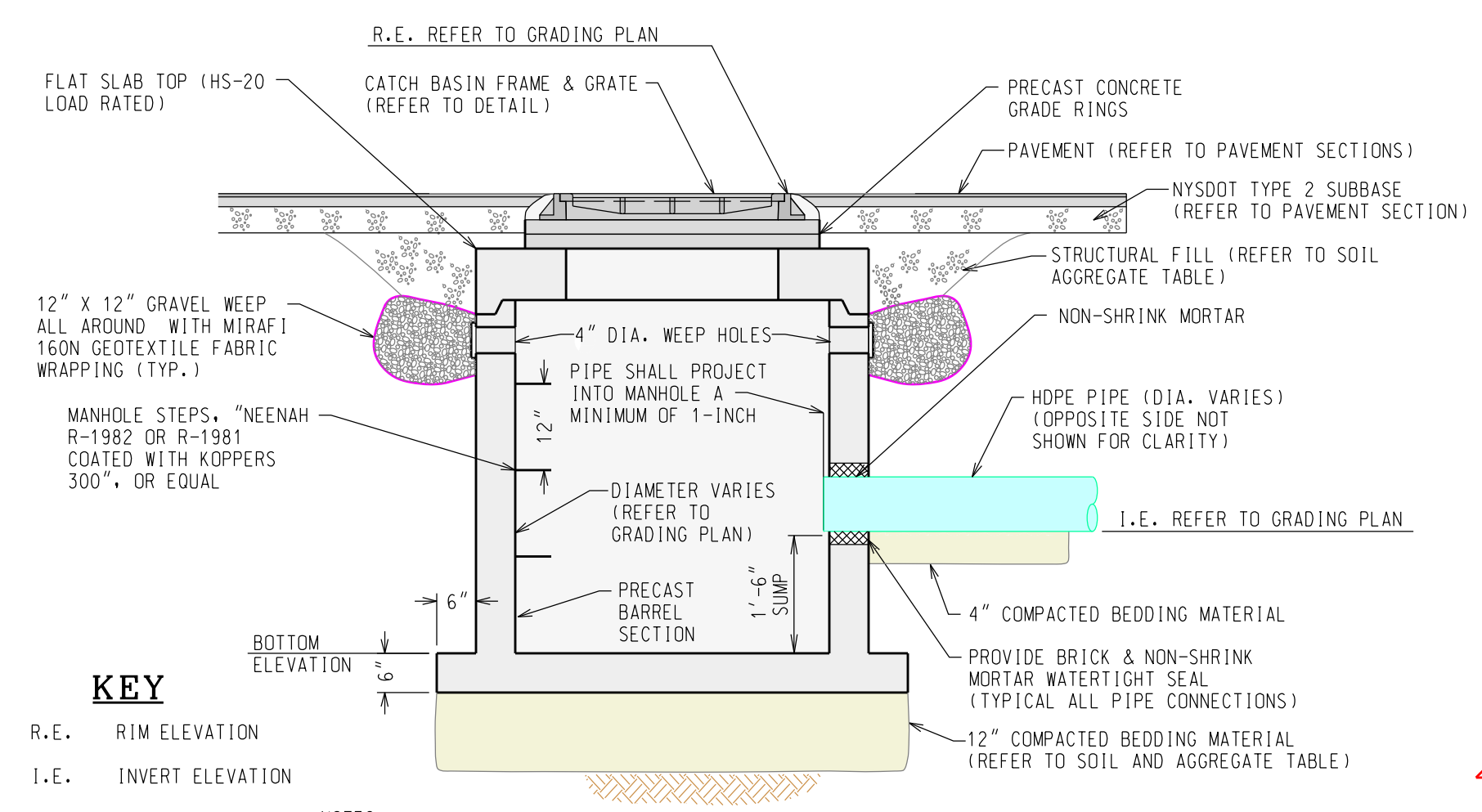
TYPICAL CATCH BASIN FRAME & GRATE
SCALE: 1" = 1'-0"

NOTE:
1. THE FRAME & GRATE SHALL BE EAST JORDAN IRON WORKS PART NUMBER V5126, INLET FRAME AND GRATE SET RATED FOR HEAVY DUTY PERFORMANCE (HS-20), OR APPROVED EQUAL.



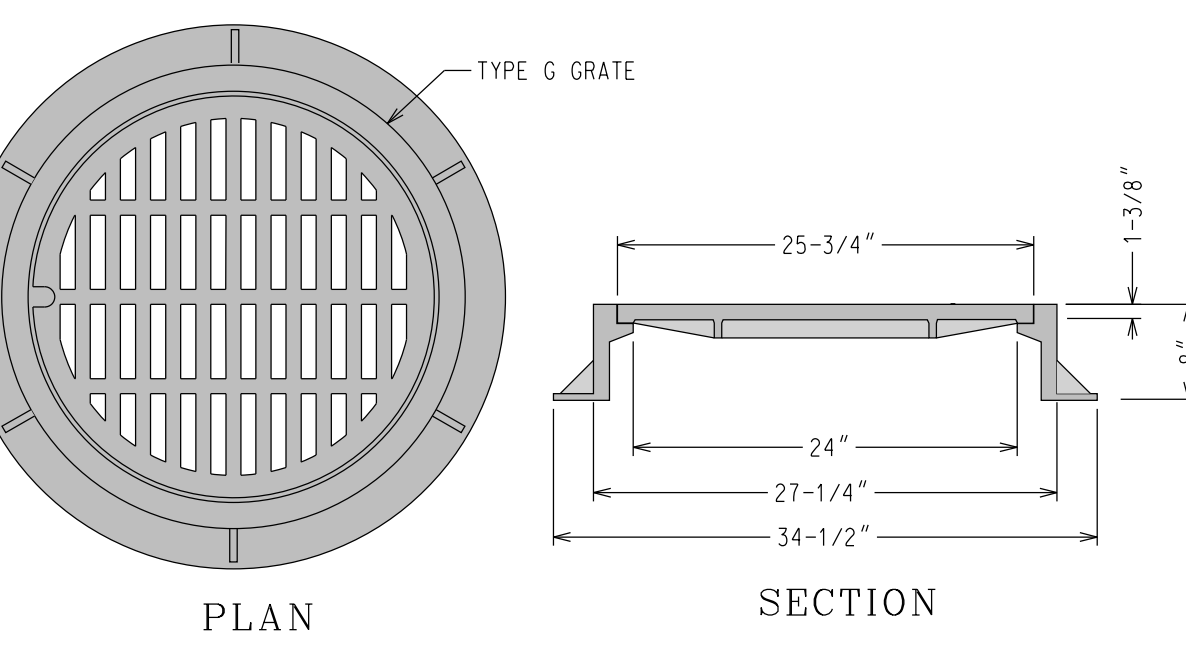
BEE HIVE FRAME & GRATE
SCALE: 1" = 1'

NOTE:
1. THE FRAME & GRATE SHALL BE NEENAH FOUNDRY R-2560-06 BEE HIVE FRAME AND GRATE, OR APPROVED EQUAL.



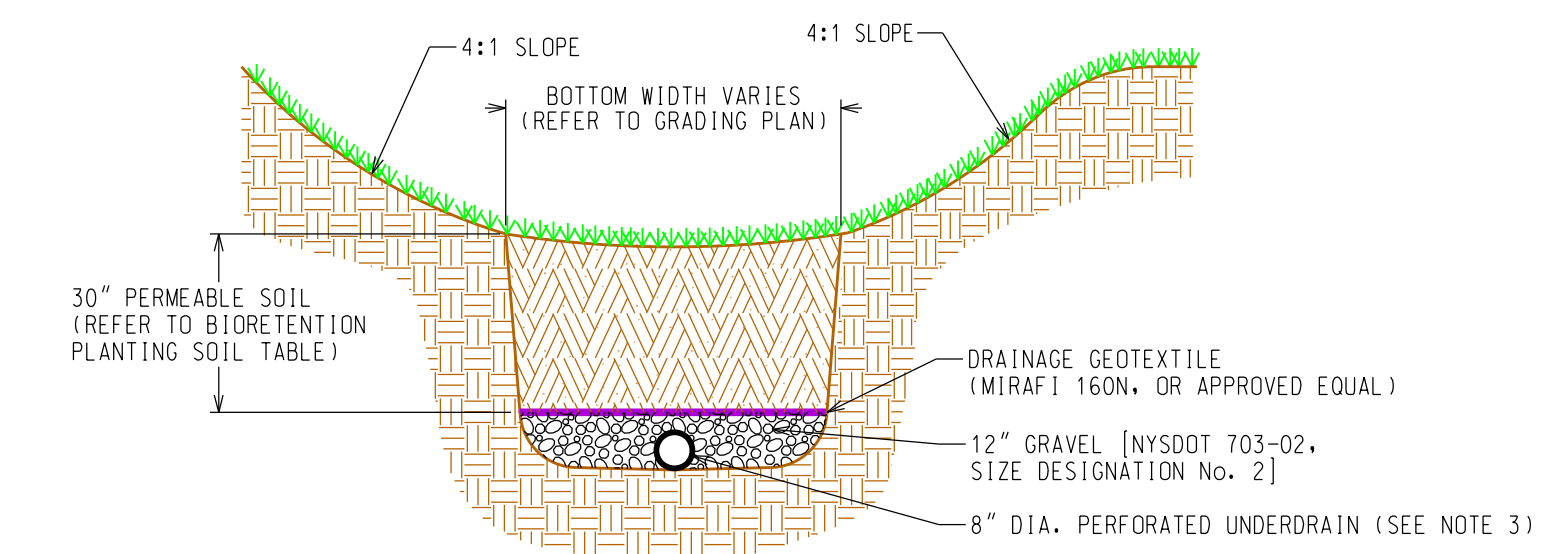
KEY
R.E. RIM ELEVATION
I.E. INVERT ELEVATION

TYPICAL PRECAST CONCRETE CATCH BASIN DETAIL
SCALE: 1/2" = 1'-0"



TYPICAL CATCH BASIN FRAME & GRATE
SCALE: 1" = 1'-0"

NOTE:
1. THE FRAME & GRATE SHALL BE EAST JORDAN IRON WORKS PART NUMBERS 1207 AND 1203M1, RESPECTIVELY, INLET FRAME AND GRATE RATED FOR HEAVY DUTY PERFORMANCE (HS-20), OR APPROVED EQUAL.

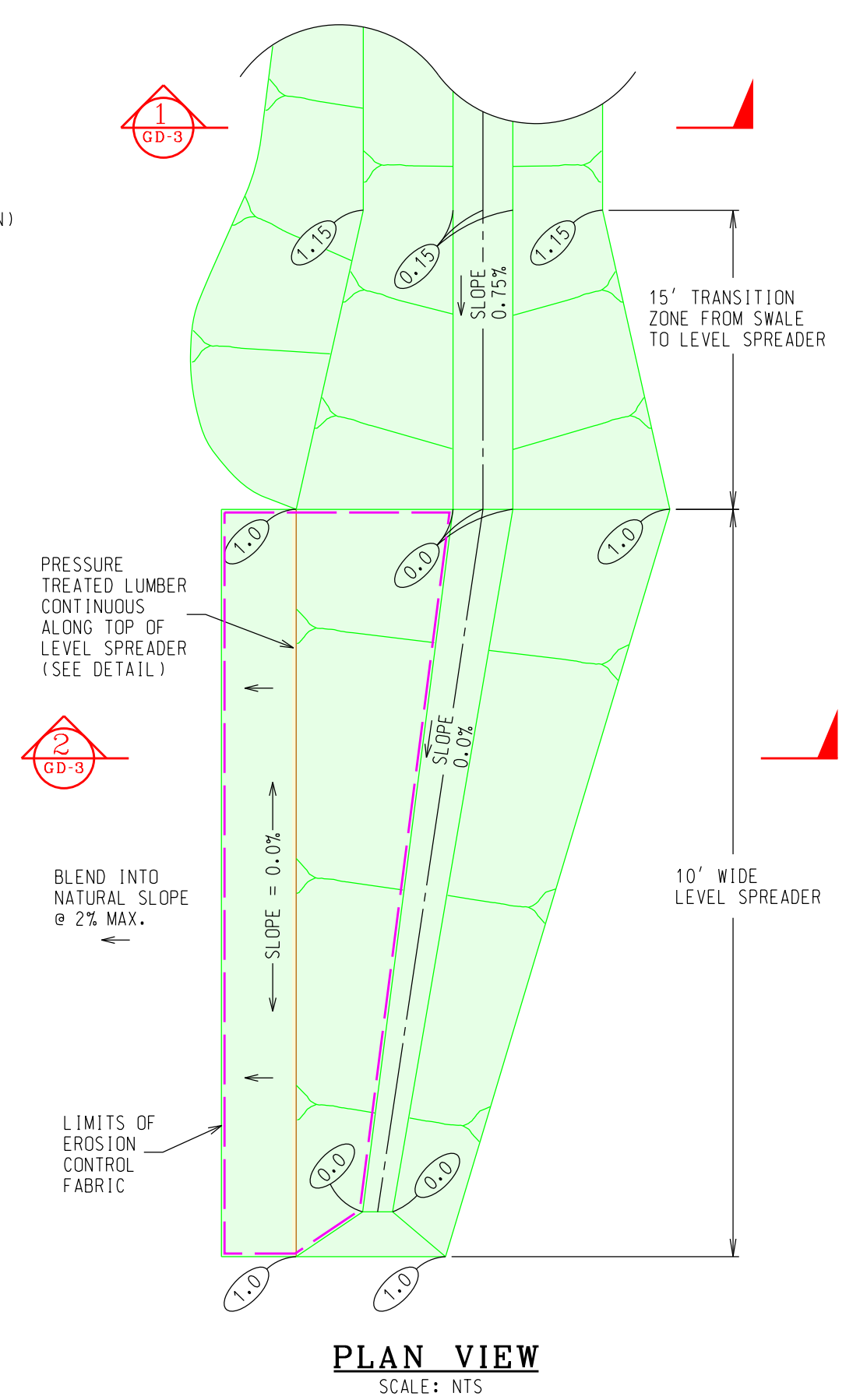


NOTES:
1. UNDERDRAIN: 3/8" PERFORATIONS AT 6" CENTERS, 4 HOLES PER ROW.
2. REFER TO PROJECT SWPPP FOR INSPECTION AND MAINTENANCE REQUIREMENTS.
3. 8" DIA. UNDERDRAIN SHALL BE PERFORATED ADS N-12, OR APPROVED EQUAL. HOPE PIPE SHALL BE RIGID "STICK" LENGTHS. COIL PIPE IS NOT ACCEPTABLE.

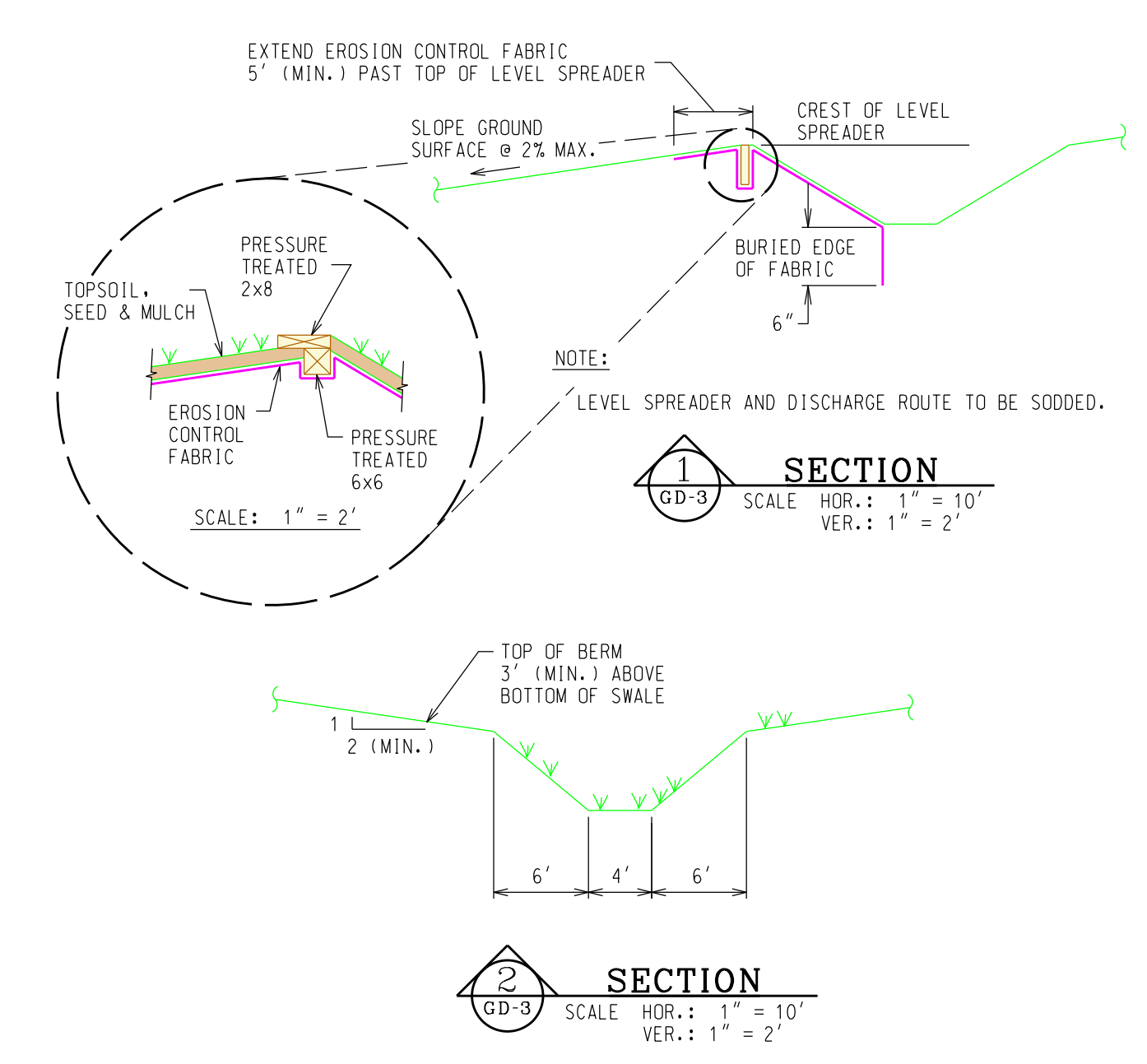
CONSTRUCTION SPECIFICATIONS
1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILL SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE WATERWAY.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
5. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
6. FOR DESIGN VELOCITIES OF LESS THAN 3.5 FEET PER SECOND, SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF THE VEGETATION. IT IS RECOMMENDED THAT, WHEN CONDITIONS PERMIT, TEMPORARY DIVERSIONS OR OTHER MEANS SHOULD BE USED TO PREVENT WATER FROM ENTERING THE WATERWAY DURING THE ESTABLISHMENT OF THE VEGETATION.

REFERENCES:
1. NYS STORMWATER MANAGEMENT DESIGN MANUAL, ORIGINALLY PREPARED BY CENTER FOR WATERSHED PROTECTION FOR NYSDC, UPDATED BY NYSDC JANUARY 2015.
2. DESIGN OF STORMWATER FILTERING SYSTEMS, PREPARED BY CENTER FOR WATERSHED PROTECTION FOR THE CHESAPEAKE RESEARCH CONSORTIUM, DECEMBER 1996.

DRY SWALE DETAIL
NOT TO SCALE



LEVEL SPREADER DETAILS
SCALE: NTS



NOTES:
1. THE FILTER FABRIC SHALL EXTEND FROM THE BOTTOM OF THE LEVEL SPREADER OVER THE CREST AND TO A DISTANCE OF 5 FEET (MINIMUM) PAST THE CREST. THE FABRIC SHALL BE SECURELY HELD IN PLACE WITH A 6 INCH DEEP VERTICAL TRENCH AT THE BOTTOM OF THE LEVEL SPREADER AND WITH CLOSELY SPACED HEAVY DUTY WIRE STAPLES AT LEAST 12 INCHES IN LENGTH.
2. ENSURE THAT THE CREST OF THE LEVEL SPREADER AND THE 6-INCH BY 6-INCH PRESSURE TREATED LUMBER ARE LEVEL TO PROVIDE UNIFORM SHEET FLOW.
3. THE LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL, NOT FILL.
4. A 15-FOOT TRANSITION SECTION WILL BE CONSTRUCTED FROM THE DRAINAGE SWALE TO THE LEVEL SPREADER TO SMOOTHLY BLEND THE DIFFERENT DIMENSION AND GRADES.
5. THE RUNOFF WILL DISCHARGE ONTO A STABILIZED VEGETATED SLOPE AT 2% MAX.
6. SEED AND MULCH ALL DISTURBED AREAS NOT DESIGNATED FOR SODDING IMMEDIATELY AFTER CONSTRUCTION.
7. REFERENCE: NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, PAGE 3.19, NOVEMBER 2016.

DRY SWALE PERMEABLE SOIL CHARACTERISTICS	
PARAMETER	VALUE
PH RANGE	5.2 TO 7.0
ORGANIC MATTER	1.5 TO 4%
MAGNESIUM	35 LBS. PER ACRE, MIN.
PHOSPHORUS (P O)	75 LBS. PER ACRE, MIN.
POTASSIUM (K O)	85 LBS. PER ACRE, MIN.
SOLUBLE SALTS	500 PPM
CLAY	10 TO 25%
SILT	30 TO 55%
SAND	35 TO 60%

DATE: _____

REVISIONS:

NOTE: NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT: **STATE ROUTE 5 PROPERTY**
CLIENT: **BELDEN PROPERTIES, LLC**
LOCATION: **1134 STATE ROUTE 5, TOWN OF ELBRIDGE, ONONDAGA COUNTY, NEW YORK, 13060**

DRAWING TITLE:
PAVING, GRADING & DRAINAGE DETAILS & SPECIFICATIONS

PROJECT No.: 2013060
SCALE: AS NOTED
DATE: 10-03-25
ENG'D BY: SKO
DRAWN BY: ALP
CHECKED BY: JED

SHEET NO.
GD-2

PRELIMINARY
10-03-25
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PAVING SPECIFICATIONS

GENERAL

1. SUBSTITUTIONS AND/OR MATERIALS BY A DIFFERENT MANUFACTURER MAY BE USED, PROVIDED THEY MEET THE PERFORMANCE REQUIREMENTS AND ARE PRE-APPROVED BY THE TOWN, OWNER AND PROJECT ENGINEER.

PROOF-ROLLING

1. AREAS TO BE PAVED SHALL BE PROOF-ROLLED PRIOR TO PLACEMENT OF SUBBASE.
2. THE PROJECT ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE AND OBSERVE THE PROOF-ROLLING PROGRAM.
3. TWO COMPLETE PASSES SHALL BE APPLIED OVER ALL ELEMENTS OF THE AREA TO BE PROOF-ROLLED WITH A FULLY LOADED TEN-WHEEL DUMP TRUCK.
4. ANY SOFT, EXCESSIVELY DISTURBED/UNSTABLE OR OTHERWISE UNSUITABLE MATERIAL IDENTIFIED SHALL BE REMOVED AND REPLACED WITH SELECT STRUCTURAL FILL.
5. PLACE SELECT STRUCTURAL FILL MATERIAL (SEE SOIL AND AGGREGATE TABLE) IN MAXIMUM 8-INCH COMPACTED LIFTS. COMPACT TO 95% MAXIMUM DRY DENSITY PER MODIFIED PROCTOR (ASTM D1557).
6. REFER TO THE SOIL AND AGGREGATE TABLE FOR STRUCTURAL FILL SPECIFICATIONS.

SUBBASE PLACEMENT

1. PLACE AGGREGATE OVER PREPARED SUBGRADE IN MAX. 8-INCH LIFTS AS REQUIRED TO ACHIEVE PROPOSED GRADES WITH A MINIMUM COMPACTED THICKNESS OF 8 INCHES. REFER TO PAVING MATERIAL TABLES AND PAVEMENT SECTIONS FOR ADDITIONAL INFORMATION.
2. COMPACT SUBBASE TO 95% MAXIMUM DRY DENSITY PER MODIFIED PROCTOR. COMPLETE TESTS IN ACCORDANCE WITH ASTM D1557 AND D6938.
3. IF TESTS INDICATE THAT WORK DOES NOT MEET SPECIFIED REQUIREMENTS, REMOVE WORK, REPLACE AND RE-TEST.
4. FREQUENCY OF TESTS:
 - A. FOR PAVED AREAS, AT LEAST ONE FIELD DENSITY TEST OF SUBBASE IN EACH COMPACTED FILL LAYER FOR EVERY 10,000 SQUARE FEET OF PAVED AREA, BUT NO LESS THAN THREE (3) TESTS.
 - B. MOISTURE-DENSITY RELATIONSHIP TESTING SHOULD BE COMPLETED ONCE PER 250 CUBIC YARDS OF MATERIAL PLACED OR WHEN A CHANGE IN MATERIAL GRADATION IS NOTED.

HMA PAVEMENT PLACEMENT

1. HMA PAVEMENT MUST BE PLACED ON SURFACES WITH A MINIMUM TEMPERATURE OF 45° FARENHEIT.
2. HMA MIXTURE TEMPERATURE MUST BE BETWEEN 250° AND 325° FARENHEIT.

HMA PAVEMENT COMPACTION

1. FOLLOW THE GUIDELINES PROVIDED IN THE FOLLOWING TABLE:

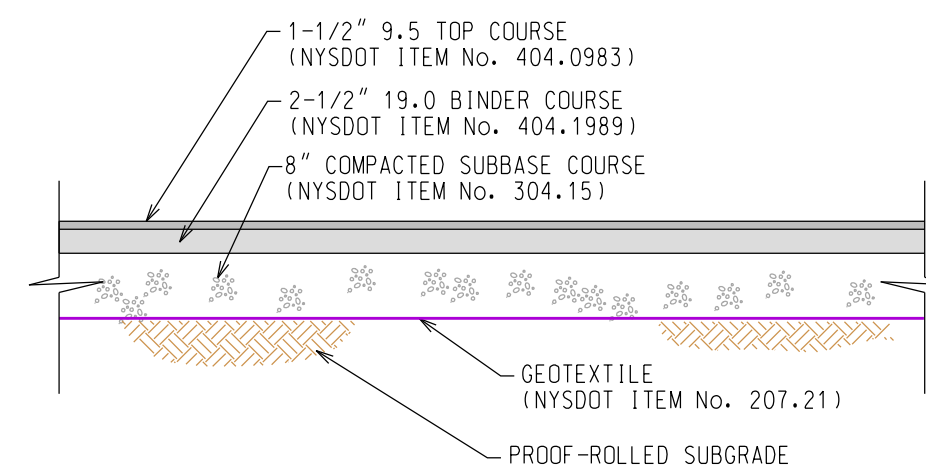
PAVEMENT COURSE	OPTION 1		OPTION 2	
	THREE ROLLER TRAIN (STATIC)	VIBRATORY ROLLERS	STEEL WHEEL ROLLERS	PNEUMATIC ROLLERS
BINDER	8	3	6	4
TOP	6	3	4	2

2. THE RECOMMENDED NUMBER OF PASSES IS SUBJECT TO FIELD ADJUSTMENTS BY ENGINEER IN ORDER TO OBTAIN ADEQUATE DENSITIES.
3. ENGINEER RESERVES THE RIGHT TO REQUIRE CORE SAMPLES AND NUCLEAR DENSITY GAUGE TESTING TO CONFIRM PAVEMENT DENSITIES WITHIN A RANGE OF 92% TO 97% OF THE MIXTURE MAXIMUM THEORETICAL DENSITY (MMTD).
4. ONE VIBRATORY PASS IS DEFINED AS ONE MOVEMENT OF A SINGLE DRUM OF THE ROLLER OVER THE PAVEMENT SECTION IN EACH DIRECTION.
5. ONE STATIC PASS IS DEFINED AS ONE MOVEMENT OF THE ROLLER OVER THE PAVEMENT IN EACH DIRECTION.
6. COMPLETE ALL ROLLER PASSES BEFORE THE MAT TEMPERATURE FALLS BELOW 250° FARENHEIT.

TACK COAT

1. TACK COAT STORED IN THE DISTRIBUTION TANK SHALL BE HEATED AND MAINTAINED AT A TEMPERATURE BETWEEN 85° FARENHEIT AND 160° FARENHEIT.
2. THE TACK COAT SHALL BE APPLIED TO A PREPARED CLEAN PAVEMENT.
3. THE TACK COAT SHALL NOT BE APPLIED ON WET PAVEMENT SURFACES OR WHEN THE SURFACE TEMPERATURE IS BELOW 40° FARENHEIT.
4. APPLICATION RATES ARE PROVIDED ON THE FOLLOWING TABLE:

SURFACE TYPE	APPLICATION RATE (GAL/YD ²)	
	DILUTED TACK COAT	STRAIGHT TACK COAT
NEW HOT MIX ASPHALT	0.05-0.06	0.03-0.04
MILLED SURFACES AND EXISTING HOT MIX ASPHALT	0.08-0.10	0.05-0.06
PORTLAND CEMENT CONCRETE	0.08-0.10	0.05-0.06
VERTICAL SERVICES	0.09-0.11	0.06-0.07



TYPICAL PAVEMENT SECTION
SCALE: 1/2" = 1'-0"

NOTES:

1. REFERENCE: NYSDOT STANDARD SPECIFICATIONS, MAY 1, 2015.
2. PROJECT ENGINEER RESERVES THE RIGHT TO SPECIFY SELECT STRUCTURAL BACKFILL MATERIAL.

PAVING MATERIAL TABLE (PRIVATE)

ITEM	NYSDOT MATERIAL & SPECIFICATIONS ITEM No.		THICKNESS	PLACEMENT
TOP	402.128303	DOT 12.5 F3 HMA	1-1/2"	1 LIFT, MECHANICALLY COMPACTED
BINDER	402.258903	DOT 25 F9 HMA	2-1/2"	1 LIFT, MECHANICALLY COMPACTED
SUBBASE	304.12	TYPE 2 SUBBASE	12"	2 LIFTS (MAX. 8-INCH LIFTS), 95% COMPACTION* PROOF ROLLED & EXHIBITING A FIRM STABLE SURFACE
SUBGRADE	N/A	N/A	NA	

NA NOT APPLICABLE

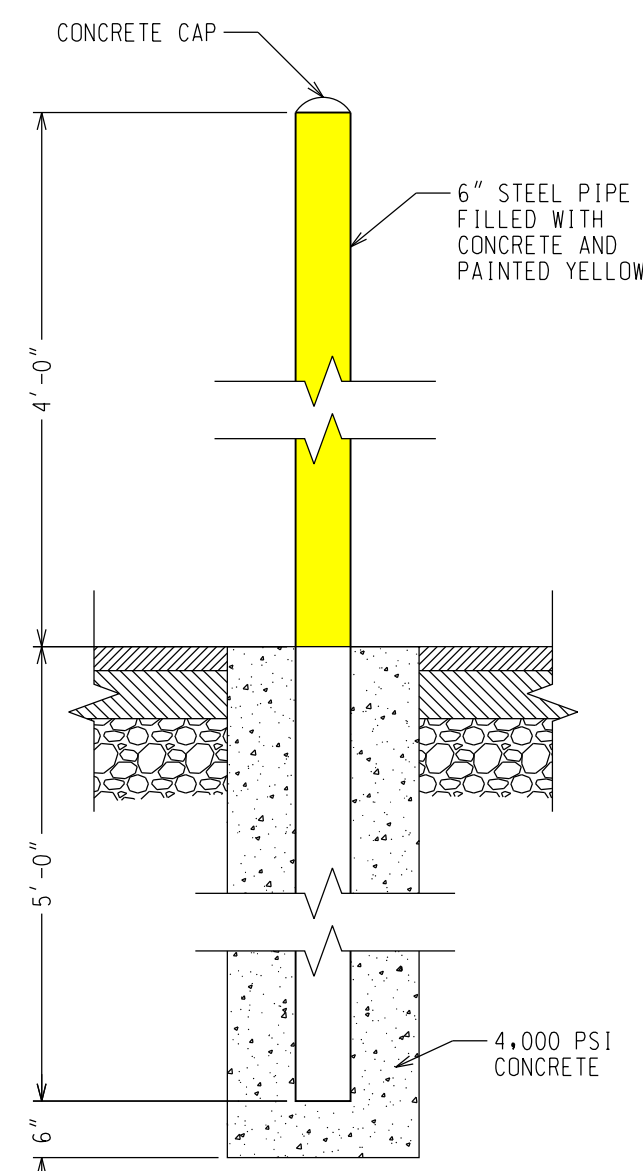
* PER MODIFIED PROCTOR (ASTM D1557 AND D6938)

SOIL & AGGREGATE TABLE

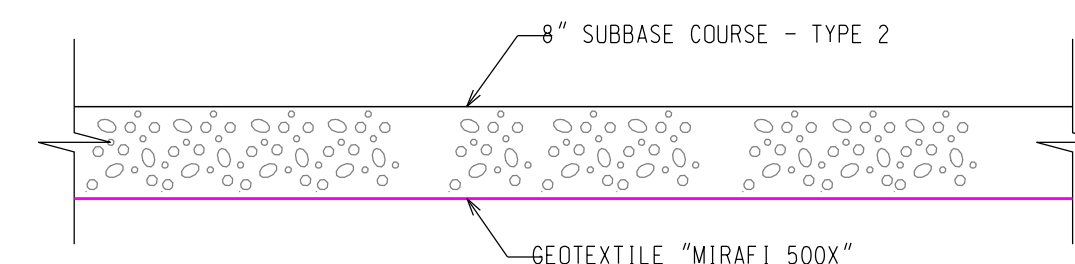
GENERAL DESCRIPTION	MATERIAL CLASSIFICATION	USE
ON-SITE SUBSOIL - UNSUITABLE FOR STRUCTURAL FILL	FIELD/LABORATORY DETERMINATION REQUIRED	UNCLASSIFIED FILL MATERIAL (GRASS AREAS)
ON-SITE SUBSOIL - SUITABLE FOR SELECT STRUCTURAL FILL	FIELD/LABORATORY DETERMINATION REQUIRED	UTILITY TRENCH BACKFILL (TRAFFIC AREAS), STRUCTURAL FILL
IMPORTED TOPSOIL	MEETING NYSDOT SPECIFICATION SEC. 610.1403	TOPSOIL
BEDDING MATERIAL	MEETING NYSDOT ITEM NO. 304.12 OR SPECIFICATION SECTION 703-02, SIZE DESIGNATIONS 1.1A OR 2	BEDDING MATERIAL
SELECT STRUCTURAL FILL	MEETING NYSDOT ITEM NO. 304.12 OR 304.14 OR NYSDOT SPECIFICATION SECTIONS 203-2.06 AND 733-11 (SEE NOTES)	UTILITY TRENCH BACKFILL (TRAFFIC AREAS), SUBGRADE STABILIZATION (SEE NOTE 3)
LIGHT STONE FILL	NYSDOT ITEM NO. 620.03	SPILLWAYS
MEDIUM STONE FILL	NYSDOT ITEM NO. 620.04	DRAINAGE PIPE OUTLET PROTECTION

NOTES:

1. REF: NYSDOT STANDARD SPECIFICATIONS, MAY 1, 2017.
2. PROJECT ENGINEER RESERVES THE RIGHT TO SPECIFY SELECT STRUCTURAL BACKFILL MATERIAL.
3. EXISTING ON-SITE SOILS CAN POTENTIALLY BE UTILIZED AS STRUCTURAL FILL (BELOW PARKING LOT AND LAWNS ONLY) PROVIDED THAT PROPER MOISTURE CONTROL IS PERFORMED DURING EARTHWORK.



PIPE BOLLARD DETAIL
NOT TO SCALE



TYPICAL GRAVEL SECTION
NOT TO SCALE

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