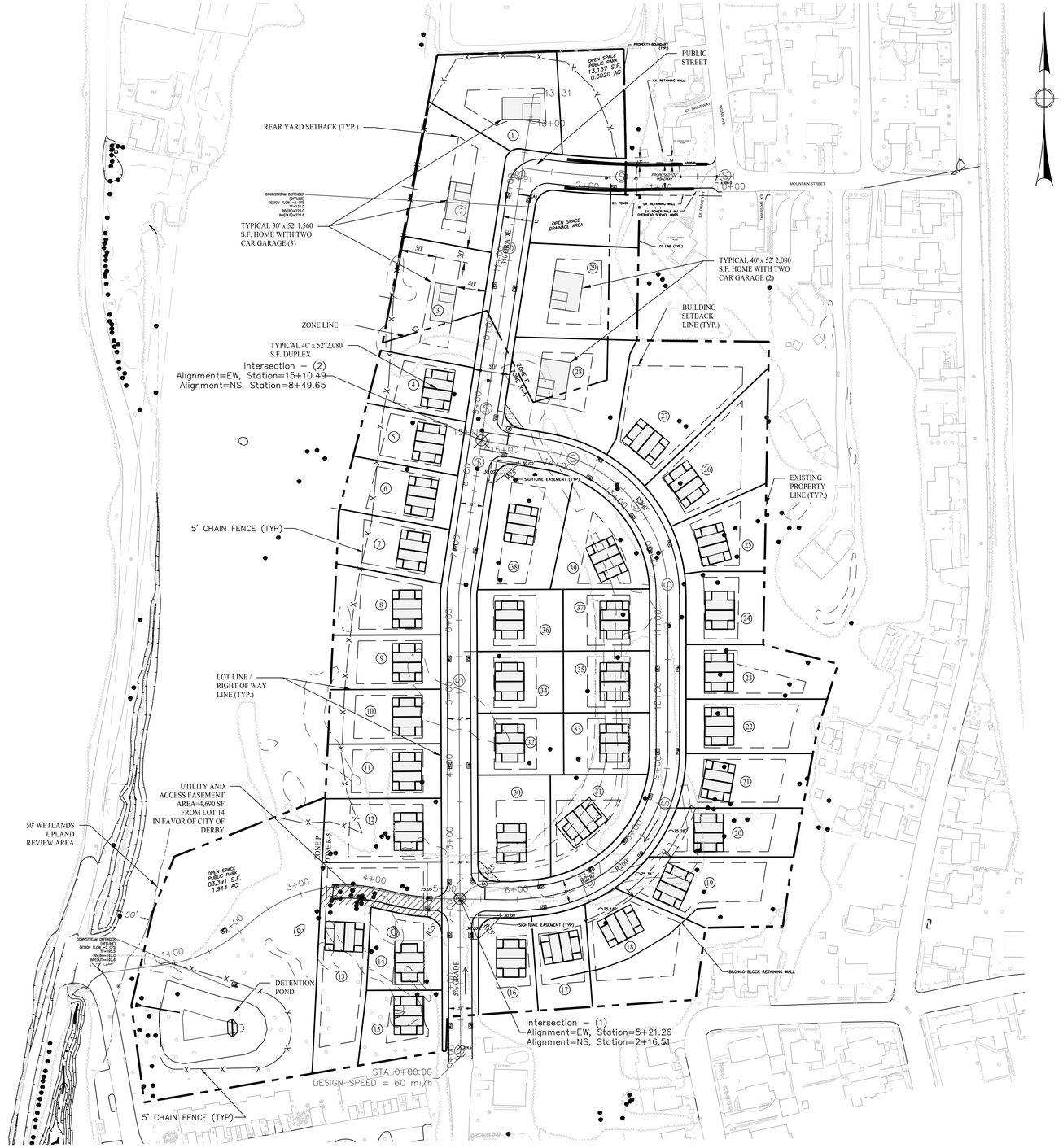
SITE PLAN NOTES

1. PROPERTY IS PRIMARILY LOCATED IN CITY OF DERBY ZONE "R-5" RESIDENTIAL ZONE.
2. ALL SITE CONSTRUCTION SHALL CONFORM WITH CITY OF DERBY SUBDIVISION REGULATIONS SECTION 3 DESIGN AND CONSTRUCTION STANDARDS. OR IN THE ABSENCE THEREOF TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816, 2004.
3. MAX. LOT COVERAGE SHALL BE EQUAL TO OR LESS THAN 30%, IN CONFORMANCE WITH DERBY ZONE R-5 STANDARDS.
4. TOTAL PROPERY AREA IS EQUAL TO 17.74 ACRES.

P ZONE TABLE R-2 REQUIREMENTS (LOTS 1-3 AND 28-29)		
STANDARDS	REQUIRED	PROVIDED
MIN. LOT AREA	20,000 SF	>20,000 SF
MAX. LOT COVERAGE	25%	<25%
MAX. HEIGHT	30'	<30'
MIN. LOT FRONTAGE	75'	82'
MIN. REQUIRED FRONT YARD	40'	40'
MIN. REQUIRED REAR YARD	50'	50'
MIN. REQUIRED SIDE YARD	20'	20'

ZONE TABLE R-5 DISTRICT SPECIAL EXCEPTION (MULTI-FAMILY)		
STANDARDS	REQUIRED	PROVIDED
MIN. LOT AREA	7,500 SF	10,072.27
MIN. LOT AREA PER D.U.	5,000 SF	7,500 SF
MAX. LOT COVERAGE	30%.	21%
MAX. HEIGHT	40'	<40'
MIN. LOT FRONTAGE	25'	25'
MIN. REQUIRED FRONT YARD	25'	2
MIN. REQUIRED REAR YARD	35	35'<
MIN. REQUIRED SIDE YARD	8'	8'



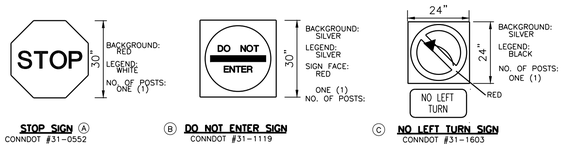
LEGEND

- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- PROPERTY LINE
- STREAM
- WETLANDS
- PROPOSED BUILDING
- PROPOSED SPOT ELEVATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- PROPOSED 2' CONTOUR
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING STORM PIPES
- PROPOSED STORM PIPES
- EXISTING SANITARY PIPES
- PROPOSED SANITARY PIPES
- GRADE TO DRAIN
- SITE LIGHTING
- B UNITS WITH BASEMENT

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.



(A) STOP SIGN CONNDOT #31-0552
(B) DO NOT ENTER SIGN CONNDOT #31-1119
(C) NO LEFT TURN SIGN CONNDOT #31-1603

TRAFFIC CONTROL SIGNS
N.T.S.

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REVISIONS			
NO.	BY	DATE	DESCRIPTION
1.	MJS	03-05-26	ALTERNATIVE ACCESS
2.	MJS	06-24-26	ENGINEERING COMMENTS

PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

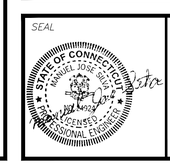
SUMMIT HILL, LLC

SHEET TITLE

OVERALL SITE PLAN

DESIGNED BY: SFS	SCALE: 1"=80'
DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
CAD FILE: R:\2508\dwg\2508	

SEAL



SHEET NUMBER

SP-1



LEGEND

- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- PROPERTY LINE
- STREAM
- WETLANDS
- PROPOSED BUILDING
- ±215.0 PROPOSED SPOT ELEVATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- PROPOSED 2' CONTOUR
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING STORM PIPES
- PROPOSED STORM PIPES
- EXISTING SANITARY PIPES
- PROPOSED SANITARY PIPES
- GRADE TO DRAIN
- SITE LIGHTING
- B UNITS WITH BASEMENT

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE PLAN NOTES

1. PROPERTY IS PRIMARILY LOCATED IN CITY OF DERBY ZONE "R-5" RESIDENTIAL ZONE.
2. ALL SITE CONSTRUCTION SHALL CONFORM WITH CITY OF DERBY SUBDIVISION REGULATIONS SECTION 3 DESIGN AND CONSTRUCTION STANDARDS. OR IN THE ABSENCE THEREOF TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816, 2004.
3. MAX. LOT COVERAGE SHALL BE EQUAL TO OR LESS THAN 30%, IN CONFORMANCE WITH DERBY ZONE R-5 STANDARDS.
4. TOTAL PROPERY AREA IS EQUAL TO 17.74 ACRES.

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REVISIONS

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2.	MJS	06-24-26	ENGINEERING COMMENTS

PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

SITE PLAN SOUTH

DESIGNED BY: SFS	SCALE: 1"=50'
DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
CAD FILE: R:\2508\dwg\2508	

SEAL

STATE OF CONNECTICUT · MANUEL JOSE SILVA · 25021 · LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER

SP-1A



LEGEND

- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- PROPERTY LINE
- STREAM
- WETLANDS
- PROPOSED BUILDING
- ±215.0 PROPOSED SPOT ELEVATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- PROPOSED 2' CONTOUR
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING STORM PIPES
- PROPOSED STORM PIPES
- EXISTING SANITARY PIPES
- PROPOSED SANITARY PIPES
- GRADE TO DRAIN
- SITE LIGHTING
- B UNITS WITH BASEMENT

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

SITE PLAN NOTES

1. PROPERTY IS PRIMARILY LOCATED IN CITY OF DERBY ZONE "R-5" RESIDENTIAL ZONE.
2. ALL SITE CONSTRUCTION SHALL CONFORM WITH CITY OF DERBY SUBDIVISION REGULATIONS SECTION 3 DESIGN AND CONSTRUCTION STANDARDS. OR IN THE ABSENCE THEREOF TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816, 2004.
3. MAX. LOT COVERAGE SHALL BE EQUAL TO OR LESS THAN 30%, IN CONFORMANCE WITH DERBY ZONE R-5 STANDARDS.
4. TOTAL PROPERY AREA IS EQUAL TO 17.74 ACRES.

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PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

ACCESS ROAD ALTERNATE

DESIGNED BY: SFS	SCALE: 1"=50'
DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
CAD FILE: R:\2508\dwg\2508	

SEAL

STATE OF CONNECTICUT · MANUEL J. SILVA · 25706 · REGISTERED PROFESSIONAL ENGINEER

SHEET NUMBER

SP-1B

NOTES

1. ALL ROOF DRAINS AND YARD DRAIN DISCHARGE PIPING SHALL BE MIN 4" PVC PLASTIC PIPE (ASTM D 3034) SDR-35 WITH RUBBER GASKETS, BELL AND SPIGOT TYPE JOINTS.
2. ALL PERFORATED DISTRIBUTION PIPES WITHIN GALLERIES SHALL BE 4" PERFORATED PVC PLASTIC PIPE (ASTM D 2729) WITH BELL AND SPIGOT, NO GASKET.
3. ALL SITE CONSTRUCTION SHALL CONFORM TO THE CITY OF DERBY STANDARD SPECIFICATIONS OR IN THE ABSENCE THEREOF TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816, 2004.
4. MAINTAIN 36" MINIMUM VERTICAL CLEARANCE BETWEEN ALL PROPOSED UTILITIES

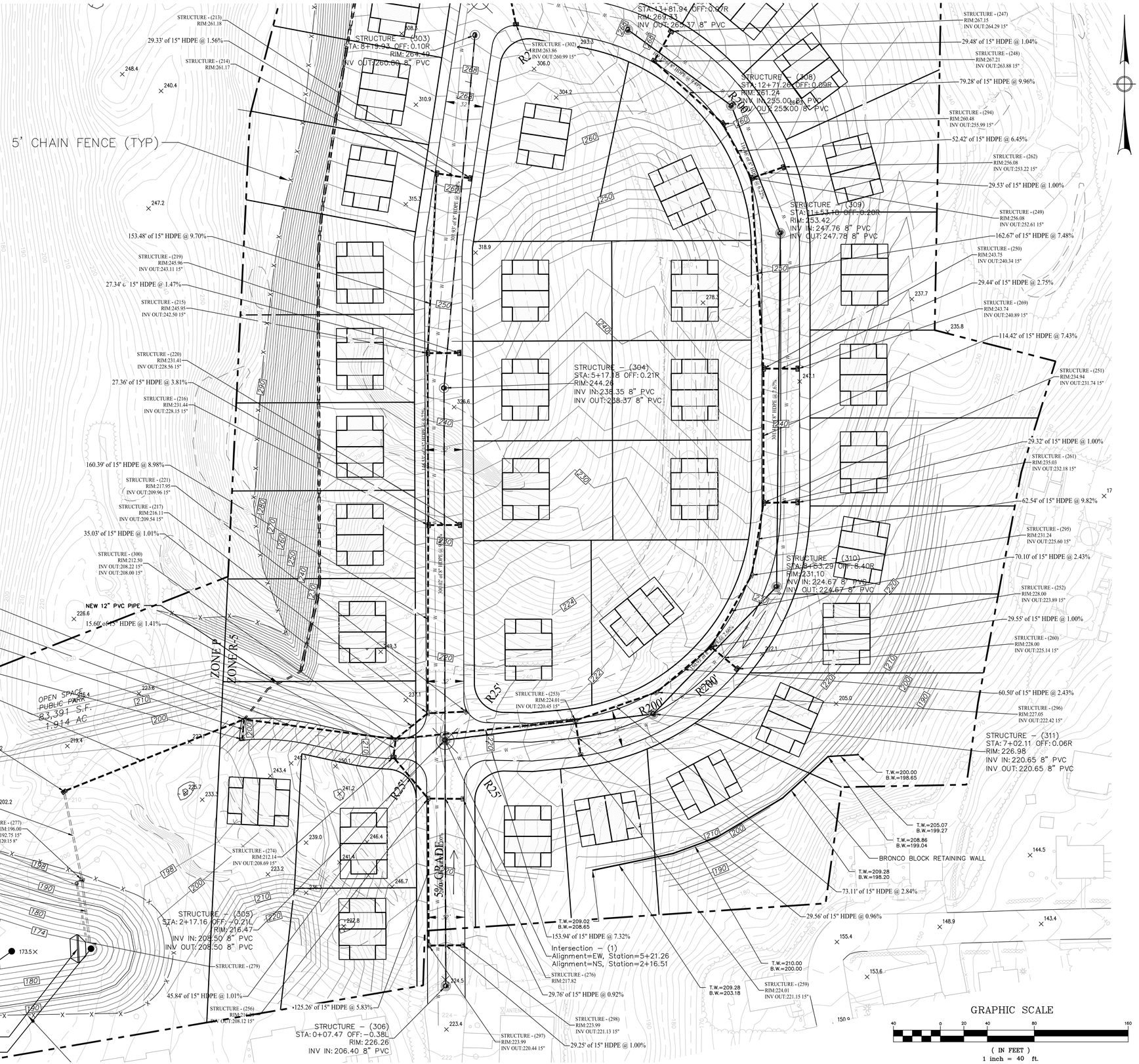
LEGEND

- EXISTING EDGE OF PAVEMENT
- PROPERTY LINE
- PROPOSED BUILDING
- 123.4 PROPOSED SPOT ELEVATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- 123.4 PROPOSED 2' CONTOUR
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING STORM PIPES
- PROPOSED STORM PIPES
- EXISTING SANITARY PIPES
- PROPOSED SANITARY PIPES
- HAYBALE CHECKDAMN
- SILTSACK @ MANHOLES
- SILTSACK @ CATCH BASINS
- ANTI-TRACKING APRON
- SILT FENCE
- REINFORCED SILT FENCE

WATER QUALITY VOLUME COMPUTATION SOUTH POND:
RESIDENTAL DEVELOPMENT (SOUTH) = 9.83 AC SF
IMPERV=1.19 AC OR 12.1%
WQV= (P*RV*A); RV=0.05+0.009*I
RV= 0.05+0.009*I= 0.1589 WATERSHED INCHES
WQV= (1.3*0.1589"*428,194)/12=5,670 CF REQUIRED
PROVIDED = 7,371 CF @ ELEVATION 176.5'

LEVEL SPREADER CALCULATION SOUTH POND
PER DEEP CHAPER 13 PAGE 476
FLOW AT 100 YR STORM =15.55 CFS

REQUIRED 4 FEET OF SPREADER PER 1 CFS OR
4*15.55=62 PROVIDED 4 FEET



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REVISIONS

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1.	MJS	03-05-26	ALTERNATIVE ACCESS
2.	MJS	06-24-26	ENGINEERING COMMENTS

PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

UTILITY & GRADING PLAN

DESIGNED BY: SFS	SCALE:
DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
CAD FILE: R:\2508\dwg\2508	

SEAL

STATE OF CONNECTICUT MANUEL JOSE SILVA 27870 REGISTERED PROFESSIONAL ENGINEER

SHEET NUMBER

SP-2A

GRADING & DRAINAGE NOTES

1. ALL ROOF DRAINS AND YARD DRAIN DISCHARGE PIPING SHALL BE MIN 4" PVC PLASTIC PIPE (ASTM D 3034) SDR-35 WITH RUBBER GASKETS, BELL AND SPIGOT TYPE JOINTS.
2. ALL PERFORATED DISTRIBUTION PIPES WITHIN GALLERIES SHALL BE 4" PERFORATED PVC PLASTIC PIPE (ASTM D 2729) WITH BELL AND SPIGOT, NO GASKET.
3. ALL SITE CONSTRUCTION SHALL CONFORM TO THE TOWN OF BRIDGEPORT STANDARD SPECIFICATIONS OR IN THE ABSENCE THEREOF TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816, 2004.
4. ALL PROPOSED CATCH BASISN TO HAVE 2' SUMPS AND HOODED OUTLETS UNLESS NOTED OTHERWISE.
5. MAXIMUM 2% SLOPE THROUGHOUT ALL ACCESSIBLE PARKING AND ACCESSIBLE STRIPED AREAS

HYDRODYNAMIC SEPARATOR AND CATCH BASIN INSPECTION & MAINTENANCE PLAN

1. UNITS ARE TO BE INSPECTED EVERY 6-MONTHS AND SUMP VACUUMED IF SEDIMENT DEPTH IS GREATER THAN 18 INCHES
2. OIL ACCUMULATION IS TYPICALLY MUCH LESS THAN SEDIMENT, HOWEVER, REMOVAL OF OIL AND SEDIMENT DURING THE SAME SERVICE IS RECOMMENDED.
3. REMOVE FLOATABLES FIRST, AND THEN REMOVE REMAINING VOLUME.

GALLERY INSPECTION & MAINTENANCE PLAN

1. GALLERIES ARE TO BE INSPECTED EVERY 12-MONTHS AND VACUUMED IF SEDIMENT DEPTH IS GREATER THAN 12 INCHES.
2. SITE CATCH BASINS ARE TO BE INSPECTED EVERY 6- MONTHS AND SUMP VACUUMED IF SEDIMENT DEPTH IS GREATER THAN 12 INCHES.

WATER QUALITY VOLUME COMPUTATION

RESIDENTIAL DEVELOPMENT NORTH = 5.097 AC
IMPERVIOUS = 0.517 AC OR 10.1%
WQV= (P*RV*A); RV=0.05+0.009*I
RV= 0.05+0.009*I= 0.141 WATERSHED INCHES
WQV= (0.141"*222,025)/12=2,608 CF REQUIRED
PROVIDED = 2,608 CF @ ELEVATION 224.78'

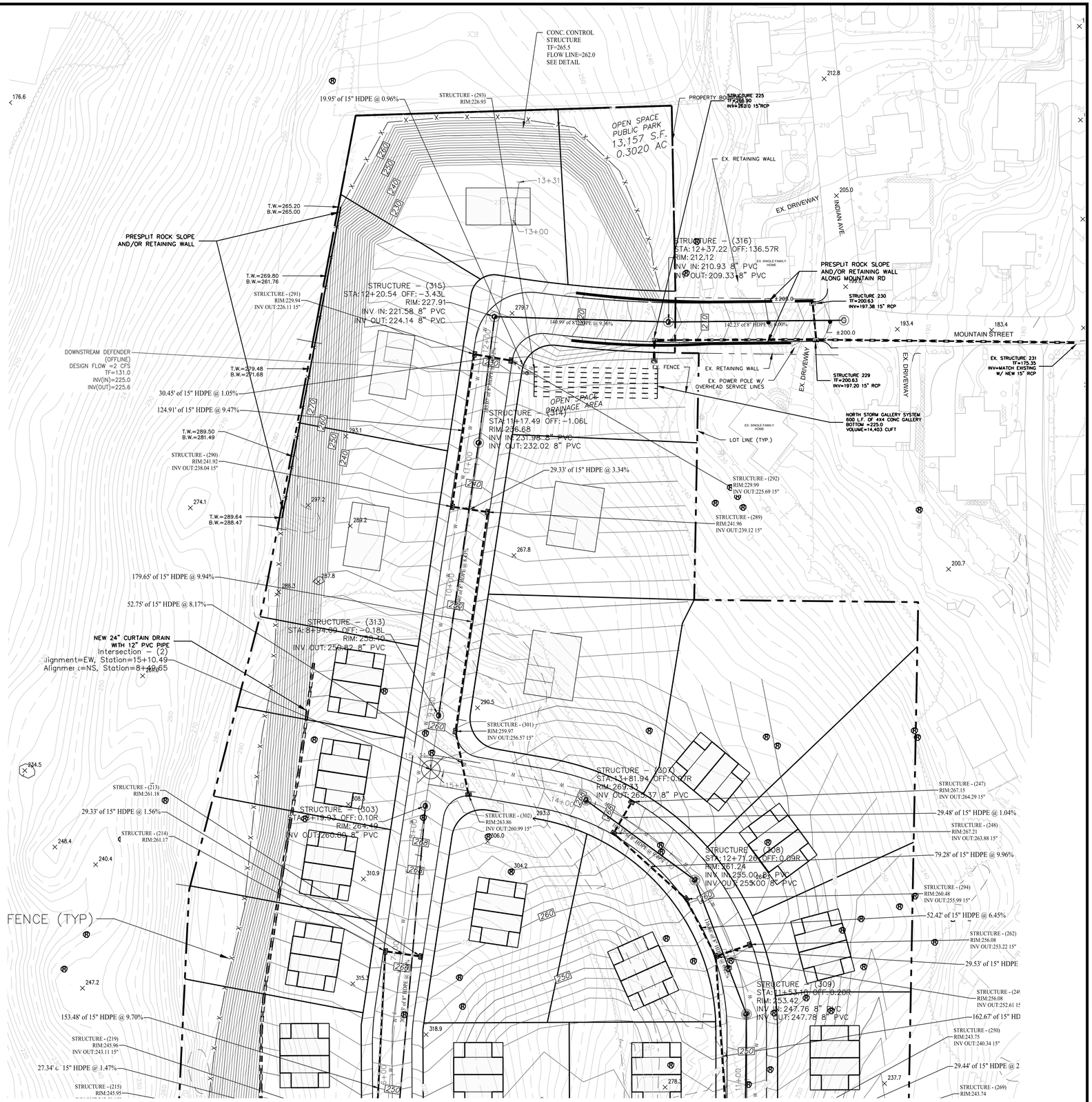
LEGEND

- EXISTING EDGE OF PAVEMENT
- PROPERTY LINE
- PROPOSED BUILDING
- PROPOSED SPOT ELEVATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- PROPOSED 2' CONTOUR
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING STORM PIPES
- PROPOSED STORM PIPES
- EXISTING SANITARY PIPES
- PROPOSED SANITARY PIPES
- HAYBALE CHECKDAMN
- SILTSACK @ MANHOLES
- SILTSACK @ CATCH BASINS
- ANTI-TRACKING APRON
- SILT FENCE
- REINFORCED SILT FENCE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.



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REVISIONS

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PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

UTILITY & GRADING PLAN

DESIGNED BY: SFS	SCALE:
DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
CAD FILE: R:\2508\dwg\2508	

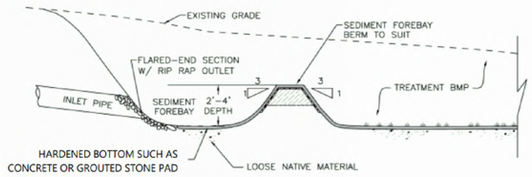
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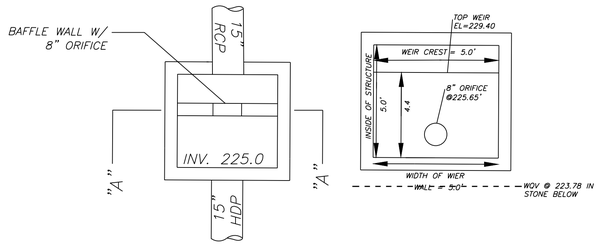
STATE OF CONNECTICUT · RAMZEL JOSEPH SUSI · 24929 · REGISTERED PROFESSIONAL ENGINEER

SHEET NUMBER

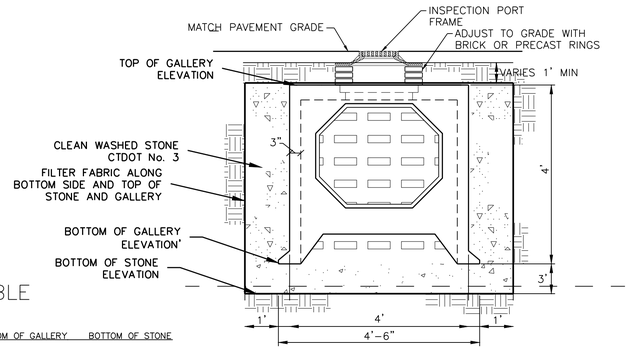
SP-2B

Figure 13-1. Sediment Forebay Schematic





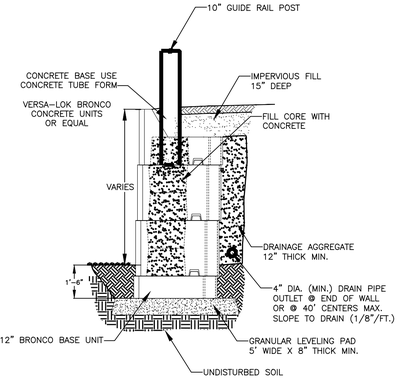
CONTROL STRUCTURE NORTH GALLERY SECTION "A"-"A'"



GALLERY TABLE

NUMBER	BOTTOM OF GALLERY	BOTTOM OF STONE
GALLERY-1	225.0	222.0

TYPICAL GALLERY W/ INSPECTION PORT
N.T.S.



TYPICAL SECTION 5'-0"TO 10'-0" REINFORCED RETAINING WALL
MODULAR CONCRETE UNIT
SCALE: NONE

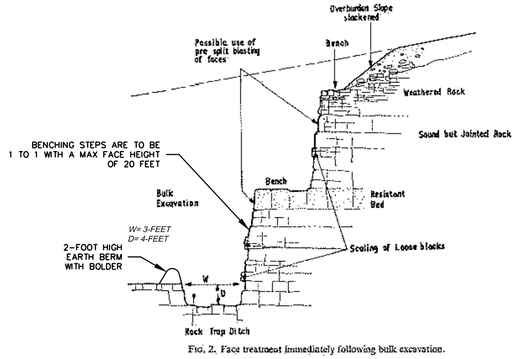
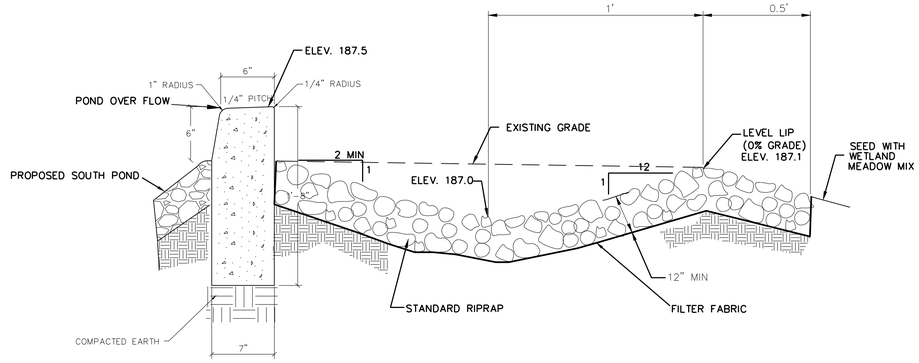
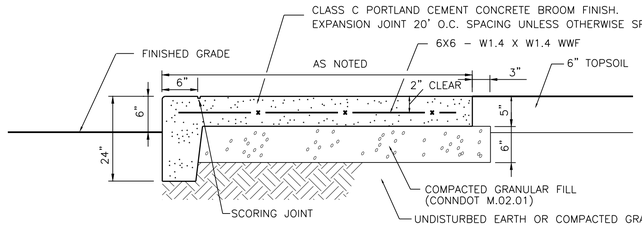


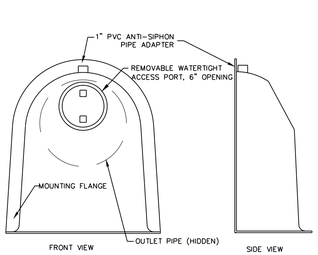
Fig. 2. Face treatment immediately following bulk excavation.

ROCK FACE STABILIZATION



CONCRETE LEVEL SPREADER
NO SCALE





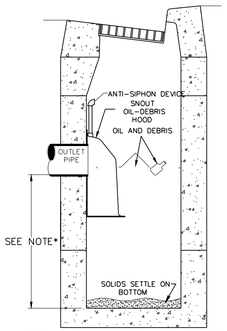
SNOUT OIL-WATER-DEBRIS SEPARATOR
CONFIGURATION DETAIL

NOTES:

1. THE FOLLOWING SHALL BE PROVIDED WITH HOODS AND TRAPS AS MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC. (PHONE: (860) 434-0277) OR APPROVED EQUAL. IN ADDITION, STRUCTURES EQUIPPED WITH HOODED OUTLETS SHALL BE PROVIDED WITH 48" DEEP SUMPS, MINIMUM.

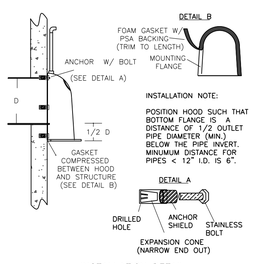
CATCH BASIN No:	HOODED OUTLET MODEL No:
STORM CB-1	18F SNOUT OIL & DEBRIS STOP
STORM MH-1	24F SNOUT OIL & DEBRIS STOP

2. ALL HOODS SHALL BE CONSTRUCTED OF A CLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT AS DRAWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION.
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 24" ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL.
8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE:
   A. INSTALLATION INSTRUCTIONS
   B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
   C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
   D. 3/8" STAINLESS STEEL BOLTS
   E. ANCHOR SHIELDS



*NOTE- SUMP DEPTH OF 36" MIN. FOR < OR= 12" DIAM. OUTLET. FOR OUTLETS >OR= 15", DEPTH = 2.5-3X DIAM.

TYPICAL INSTALLATION



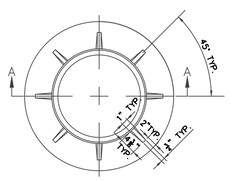
INSTALLATION NOTE:

POSITION HOOD SUCH THAT BOTTOM FLANGE IS A DISTANCE OF 1/2 OUTLET PIPE DIAMETER (MIN.) BELOW THE PIPE INVERT. MINUMUM DISTANCE FOR PIPES < 12" I.D. IS 6".

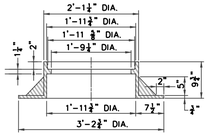
INSTALLATION DETAIL

HOODED OUTLET COVER DETAIL
N.T.S.

INTEGRAL CONCRETE WALK AND CURB
N.T.S.

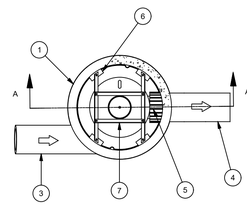


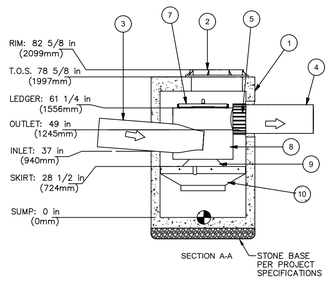
PLAN



SECTION A-A

STANDARD INSPECTION PORT FRAME
SCALE: ½"=1'-0"





SECTION A-A
STONE BASE PER PROJECT SPECIFICATIONS

4 FT DOWNSTREAM DEFENDER

Parts List		
ITEM	DESCRIPTION	SIZE
1	PRECAST MANHOLE (BY HYDRO VIA PRECASTER)	48 in
2	FRAME AND COVER	30 in
3	INLET PIPE (BY OTHERS) *	12 in
4	OUTLET PIPE (BY OTHERS) *	12 in
5	PIPE COUPLING (BY OTHERS)	
6	LEDGER ANGLE	
7	SUPPORT FRAME	
8	DIP PLATE	
9	CENTER SHAFT AND CONE	
10	BENCHING SKIRT	

CAPACITIES:

1. Peak treatment flow: 3.0 cfs (85 l/s)
2. Sediment storage capacity: 0.70 Cu. yd. (0.54 cu. m.)
3. Oil storage capacity: 70 Gal. (265 liters)

ADDITIONAL DESIGN INFORMATION:

1. The outlet pipe stub (not shown) is a roto-molded product with an I.D. of 12 in. that cannot be modified. To avoid the use of a reducer or expander on the outlet a 12 in. outlet pipe should be used if possible. The orientation of the outlet pipe can be adjusted to suit site conditions.
2. Maximum pipe size is 12 in. The inlet pipe invert should be placed one inlet pipe diameter below the outlet pipe invert. The I.D. of the inlet pipe should be placed tangent to the I.D. of the manhole. The orientation of the inlet pipe can be adjusted to suit site conditions. Headloss at 3.0 cfs with a 12 in. inlet: 8 in. (203 mm). Headloss will increase with smaller inlet pipes.
3. Sediment shall be stored in a zone that is isolated form the main flow path and protected from re-entrainment by the benching skirt.
4. Dimensions are general and intended for guidance only.

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TEL: (203)610-6262 ● FAX: (203)610-6404

REVISIONS

NO.	BY	DATE	DESCRIPTION
1.	MJS	03-05-26	ALTERNATIVE ACCESS
2.	MJS	06-24-26	ENGINEERING COMMENTS

PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

UTILITY & GRADING DETAILS

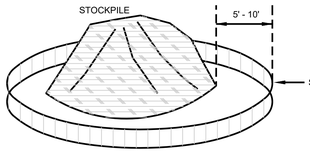
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DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
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SEAL

STATE OF CONNECTICUT · MANUEL JOSE SUAREZ · 29025 · REGISTERED PROFESSIONAL ENGINEER

SHEET NUMBER

SP-2C



INSTALL SILT FENCE AT BASE
APPLY MIXTURE OF PERRENIAL RYEGRASS,
ANNUAL RYEGRASS AND WINTER RYE AT A
RATE OF 10# PER 1000 SQ. FT.

STOCKPILE STABILIZATION

NTS

EROSION CONTROL NOTES

LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED HAY BALE AND/OR FABRIC FILTERS WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.

CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION.

ALL EROSION CONTROL MEASURES WILL BE MAINTAINED DURING THE CONSTRUCTION PERIOD.

THE CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE MAINTAINENCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED. NOTIFY AUTHORIZED CITY AGENT 48 HOURS IN ADVANCE PRIOR TO START OF ANY PHASE OF SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE

CONSTRUCTION SEQUENCE

INSTALL ALL EROSION CONTROL MEASURES TO THE EXTENT POSSIBLE IN THE FOLLOWING ORDER.

1. INSTALL SILT FENCE BEFORE ANY CONSTRUCTION.
2. INSTALL ANTI-TRAKING PAD, SEDIMENTATION BASIN AND DIVERSION BERMS.
3 ROUGH GRADE AS REQUIRED FOR CONSTRUCTION OF BUILDING AND RAMP. EXCESS FILL TO BE REMOVED FROM SITE.
4. DOWNSTREAM DEFENDERS, DRAINAGE STRUCTURES/SYSTEM AND THERE ASSOCIATED PROTECTION.
5. INSTALL CURBING, SIDEWALKS, AND BITUMINOUS PAVEMENT AS SHOWN ON THE PLAN.
6. SPREAD TOPSOIL AND STABILIZE WITH SEED AS SOON AS POSSIBLE.
7. INSTALL LANDSCAPING AS SHOWN ON THE PLAN.
8. REMOVE ALL EROSION AND SEDIMENTATION CONTROL MEASURES ONCE BUILDING HAS BEEN COMPLETED AND SITE IS STABILIZED WITH VEGETATED COVER.
9. CLEAN-UP.

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PROJECT TITLE

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SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

SOIL EROSION CONTROL

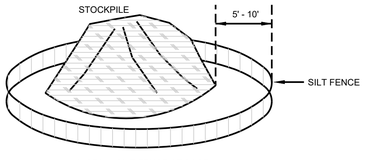
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SEAL

STATE OF CONNECTICUT
MANUEL JOSE SILVA
No. 24925
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER

SP-3A



INSTALL SILT FENCE AT BASE
APPLY MIXTURE OF PERRENIAL RYEGRASS,
ANNUAL RYEGRASS AND WINTER RYE AT A
RATE OF 10# PER 1000 SQ. FT.

STOCKPILE STABILIZATION
NTS

EROSION CONTROL NOTES

LAND DISTURBANCE WILL BE KEPT TO A MINIMUM;
RESTABILIZATION WILL BE SCHEDULED HAY BALE AND/OR FABRIC FILTERS WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.

CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION.

ALL EROSION CONTROL MEASURES WILL BE MAINTAINED DURING THE CONSTRUCTION PERIOD.

THE CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE MAINTAINENCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED. NOTIFY AUTHORIZED CITY AGENT 48 HOURS IN ADVANCE PRIOR TO START OF ANY PHASE OF SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE

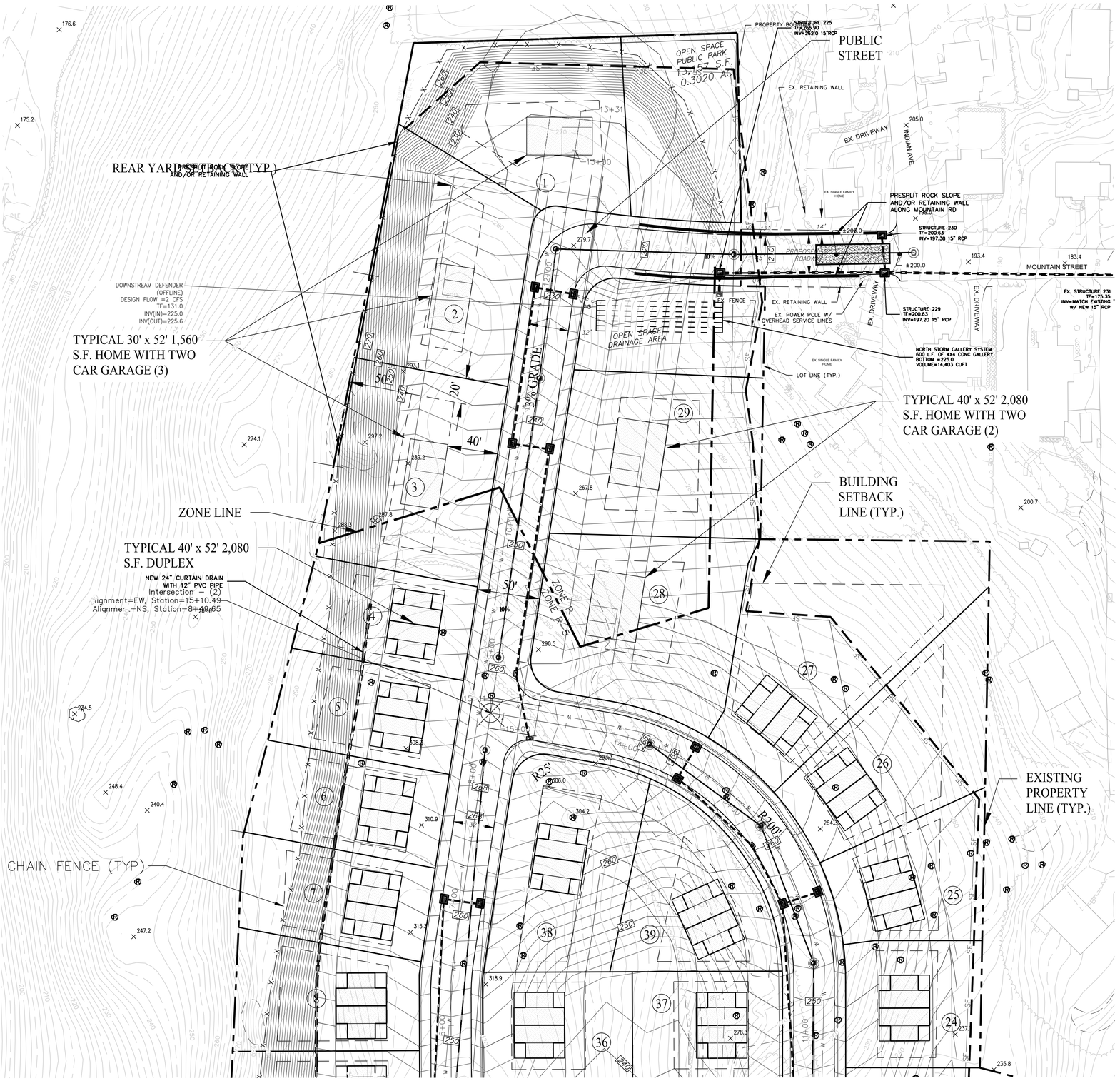
CONSTRUCTION SEQUENCE

INSTALL ALL EROSION CONTROL MEASURES TO THE EXTENT POSSIBLE IN THE FOLLOWING ORDER.

1. INSTALL SILT FENCE BEFORE ANY CONSTRUCTION.
2. INSTALL ANTI-TRAKING PAD, SEDIMENTATION BASIN AND DIVERSION BERMS.
3 ROUGH GRADE AS REQUIRED FOR CONSTRUCTION OF BUILDING AND RAMP. EXCESS FILL TO BE REMOVED FROM SITE.
4. DOWNSTREAM DEFENDERS, DRAINAGE STRUCTURES/SYSTEM AND THERE ASSOCIATED PROTECTION.
5. INSTALL CURBING, SIDEWALKS, AND BITUMINOUS PAVEMENT AS SHOWN ON THE PLAN.
6. SPREAD TOPSOIL AND STABILIZE WITH SEED AS SOON AS POSSIBLE.
7. INSTALL LANDSCAPING AS SHOWN ON THE PLAN.
8. REMOVE ALL EROSION AND SEDIMENTATION CONTROL MEASURES ONCE BUILDING HAS BEEN COMPLETED AND SITE IS STABILIZED WITH VEGETATED COVER.
9. CLEAN-UP.

EROSION CONTROL NARRATIVE

THE PROPOSED DEVELOPMENT WILL CONSIST OF 90 TWO BEDROOM UNITS AND THE CREATION OF A NEW ACCESS ROADS. IT WILL INCLUDE THE INSTALLATION OF ALL DRAINAGE STRUCTURES. THE SITE IS LOCATED AT SUMMIT STREET IN DERBY , CONNECTICUT.



LEGEND

- EXISTING EDGE OF PAVEMENT
- PROPERTY LINE
- PROPOSED BUILDING
- 123.4 PROPOSED SPOT ELEVATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- 123.4 PROPOSED 2' CONTOUR
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING STORM PIPES
- PROPOSED STORM PIPES
- EXISTING SANITARY PIPES
- PROPOSED SANITARY PIPES
- HAYBALE CHECKDAMN
- SILTSACK @ MANHOLES
- SILTSACK @ CATCH BASINS
- ANTI-TRACKING APRON
- SILT FENCE
- REINFORCED SILT FENCE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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PROJECT TITLE

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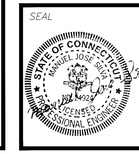
SUMMIT HILL, LLC

SHEET TITLE

SOIL EROSION CONTROL

DESIGNED BY: SFS	SCALE:
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CHECKED BY: MJS	PROJECT NUMBER: 2508
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SEAL



SHEET NUMBER

SP-3B

SOIL EROSION AND SEDMIMENT CONTROL GENERAL NOTES

SEDIMENT & EROSION CONTROL NARRATIVE
THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND WATERCOURSE FROM SEDIMENT LADEN SURFACE RUNOFF AND EROSION.

CONSTRUCTION SCHEDULE
THE ANTICIPATED STARTING DATE FOR CONSTRUCTION IS SPRING 2027 WITH COMPLETION ANTICIPATED BY SPRING 2030. APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED HEREIN, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL SITE CLEARING OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN
THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE LAND USE AGENTS OF THE TOWN OF DERBY AND PROJECT ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

OPERATION REQUIREMENTS
CLEARING AND GRUBBING OPERATIONS:
1. ALL SEDIMENTATION AND EROSION CONTROL MEASURES, INCLUDING THE CONSTRUCTION OF TEMPORARY SEDIMENTATION TRAPS AND STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS, WILL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING OPERATIONS.
2. FOLLOWING INSTALLATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH GRADING, FILLING OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER HAS INSPECTED AND APPROVED ALL INSTALLATIONS.
3. THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING AND GRUBBING OPERATIONS SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENTATION AND EROSION CONTROL DEVICES.
4. FOLLOWING THE COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING OR PROCESSED AGGREGATE STONE AS SOON AS PRACTICAL.
5. ALL REMOVED INVASIVE PLANT SPECIES MATERIAL SHALL BE FULLY REMOVED FROM THE SITE AND TAKEN TO AN APPROVED AND OR ACCEPTABLE DISPOSAL LOCATION.

ROUGH GRADING OPERATIONS:
1. DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE.
2. ALL STOCKPILED TOPSOIL SHALL BE SEEDED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION FENCE.

FILLING OPERATIONS:
1. PRIOR TO FILLING, ALL SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE PROPERLY IMPLEMENTED, MAINTAINED AND FULLY INSTALLED, AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THIS PLAN.
2. ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS, IF APPLICABLE TO THIS PROJECT, SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN LIFT THICKNESS NOT GREATER THAN THAT SPECIFIED IN PROJECT SPECIFICATIONS. LIFTS SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR.
3. AS GENERAL GRADING OPERATIONS PROGRESS, ANY TEMPORARY DIVERSION DITCHES SHALL BE RAISED OR LOWERED, AS NECESSARY, TO DIVERT SURFACE RUNOFF TO THE SEDIMENT TRAPS.

PLACEMENT OF DRAINAGE STRUCTURES, UTILITIES, AND ROADWAY CONSTRUCTION OPERATIONS:
1. SILT FENCES SHALL BE INSTALLED AT THE DOWNHILL SIDES OF TEMPORARY SEDIMENT TRAP SLOPES, MUD PUMP DISCHARGES, AND UTILITY TRENCH MATERIAL STOCKPILES. HAY BALES MAY BE USED IF SHOWN ON THE EROSION CONTROL PLANS OR IF DIRECTED BY THE PROJECT ENGINEER.

FINAL GRADING AND PAVING OPERATIONS:
1. ALL INLET AND OUTLET PROTECTION SHALL BE PLACED AND MAINTAINED AS SHOWN ON EROSION CONTROL PLANS AND DETAILS, AND AS DESCRIBED IN SPECIFICATIONS AND AS DESCRIBED HEREIN.
2. NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, JUTE MESH AND VEGETATION. ALL SLOPES SHALL BE SEEDED, AND ANY ROAD OR DRIVEWAY SHOULDER AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
3. PAVEMENT SUB-BASE AND BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL SUB-GRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEMS HAVE BEEN INSTALLED.
4. AFTER CONSTRUCTION OF PAVEMENT, TOPSOIL, FINAL SEED, MULCH AND LANDSCAPING, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR GRASS HAS BEEN WELL ESTABLISHED AND THE SITE HAS BEEN INSPECTED AND APPROVED BY THE TOWN OF DERBY. EASTERN CONNECTICUT SOILS CONSERVATION DISTRICT, TOWN OF DERBY INLAND WETLANDS COMMISSION.

INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES
I. SILTATION FENCE:
   A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
   B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
   C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
   D. BACKFILL THE TRENCH AND COMPACT.

II. HAY BALES:
   A. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
   B. BALES SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF FOUR INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER.
   C. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO (2) STAKES.
   D. THE GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER LEAKAGE.
   E. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE, TO ENSURE THAT RUN-OFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER, BUT NOT AROUND IT.

OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES
I. SILTATION FENCE:
   A. ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
   B. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.

II. HAY BALES:
   A. ALL HAY BALE RINGS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY MADE AS NEEDED.
   B. DEPOSITS SHALL BE REMOVED AND CLEANED-OUT IF ONE HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENT.

III. SEDIMENT TRAPS:
   A. CONTRACTOR TO KEEP WEEKLY CHECKLIST LOGS FOR INSPECTIONS OF ALL SEDIMENT AND EROSION CONTROL DEVICES AND HAVE THEM READILY AVAILABLE ON-SITE AT ALL TIMES FOR INSPECTION BY CT DEEP, LOCAL AUTHORITIES OR ENGINEER.
   B. ALL SEDIMENT TRAPS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF SLOPES SHALL BE PROMPTLY MADE AS NEEDED. EROSION CONTROL BLANKETS MAY BE USED FOLLOWING REPAIR OF SLOPE AS DIRECTED BY THE ENGINEER.
   C. SEDIMENT DEPOSITS SHALL BE REMOVED FROM SEDIMENT TRAPS AND/OR SEDIMENT TRAPS WHEN THEY EXCEED A HEIGHT OF ONE FOOT UNLESS OTHERWISE INDICATED ON THE EROSION CONTROL PLANS AND DETAILS TO BE AT A SPECIFIC ELEVATION PER CLEAN OUT MARKERS.
   D. SEDIMENT SHALL BE DISPOSED OF ON-SITE OR AS DIRECTED BY THE ENGINEER AND LOCAL GOVERNING OFFICIALS. SEE SEDIMENT AND EROSION CONTROL NOTES HEREIN REGARDING DISPOSAL REQUIREMENTS FOR OFF SITE SPOIL DISPOSAL.

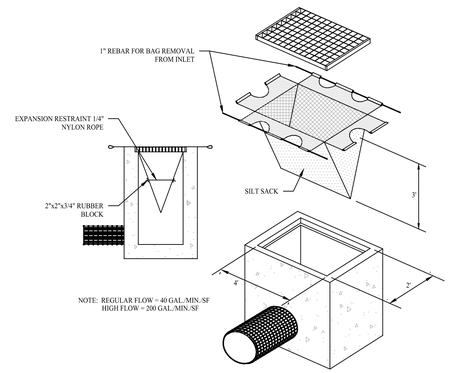
IV. CHECK DAMS:
   A. ALL STONE CHECK DAMS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF STONE CHECK DAMS SHALL BE PROMPTLY MADE AND ACCUMULATED SEDIMENT REMOVED WHEN IT REACHES ONE HALF OF THE HEIGHT OF THE CHECK DAM.

V. TEMPORARY/PERMANENT DRAINAGE SWALES:
   A. SWALES SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF ANY WASHED OUT OR ERODED SLOPES SHALL BE MADE PROMPTLY AND THE AREA SHALL BE RESEEDED AS NECESSARY.
   B. EROSION CONTROL BLANKETS MAY BE USED TO REPAIR ERODED SWALES AS DIRECTED BY THE ENGINEER OR TOWN OF DERBY AGENT.

EROSION AND SEDIMENT CONTROL PLAN
1. HAY BALE FILTERS OR SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS IF CULVERT OUTLETS ARE APPLICABLE TO THIS PROJECT AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
2. CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP RAP CHANNELS; ENERGY DISSIPATERS WILL BE INSTALLED AS SHOWN ON THESE PLANS AND AS NECESSARY.
3. CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS, SILT SACKS, SILTATION FENCE, OR OTHER INLET PROTECTION DEVICES PER DETAILS, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION.
5. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE
6. ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
7. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED OR AS DIRECTED BY THE CIVIL ENGINEER OR BY LOCAL GOVERNING OFFICIALS.
8. SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE EROSION CONTROL PLANS, NOTES, AND DETAILS.
9. THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.

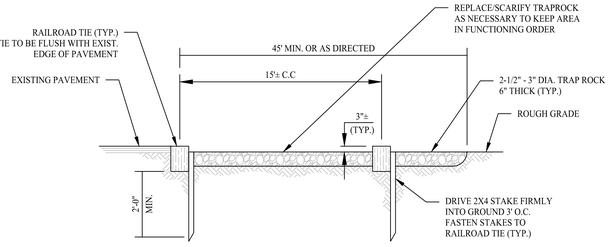
SEDIMENT AND EROSION CONTROL NOTES
1. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, INFORMING THE GOVERNING AUTHORITY OR INLAND WETLANDS AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE SEDIMENT & EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
2. AN EROSION CONTROL BOND MAY BE REQUIRED TO BE POSTED WITH THE TOWN OF DERBY TO ENSURE IMPLEMENTATION OF THE EROSION CONTROL MEASURES. THE OWNER SHALL BE RESPONSIBLE FOR THE POSTING OF THIS BOND AND FOR INQUIRIES TO THE TOWN OF DERBY FOR INFORMATION ON THE METHOD, TYPE AND AMOUNT OF THE BOND POSTING UNLESS OTHERWISE DIRECTED.
3. VISUAL SITE INSPECTIONS SHALL BE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT OF 0.01 INCHES OR GREATER BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION AND SEDIMENT CONTROL (E&S) BMPS ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
   A) A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND
   B) THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION
4. THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, PREPARED BY CTDEEP, LATEST EDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE TOWN OF DERBY. THE CONTRACTOR SHALL KEEP A COPY OF THE GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION.
5. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, CIVIL ENGINEER, TOWN OF DERBY, EASTERN CONNECTICUT SOILS CONSERVATION DISTRICT, TOWN OF DERBY INLAND WETLANDS COMMISSION, OR GOVERNING AGENCIES. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.
6. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS BEFORE AND AFTER EACH STORM (0.10 INCHES OR GREATER RAINFALL), OR AT LEAST WEEKLY, TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHERE NECESSARY.
7. THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (HAY BALES, SILT FENCE, JUTE MESH,RIP RAP ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.
8. INSTALL PERIMETER SEDIMENT CONTROLS PRIOR TO CLEARING OR CONSTRUCTION. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SILT FENCE UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE FENCE.
9. STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED AT START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
10. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE HAY BALES OR SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEEDED IF PILE IS TO REMAIN IN PLACE FOR MORE THAN 7 DAYS.
11. SEDIMENTATION TRAPS SHALL PROVIDE 134 CUBIC YARDS OF SEDIMENT STORAGE PER DISTURBED ACRE CONTRIBUTING TO THE BASIN. PROVIDE BASIN VOLUMES FOR ALL DISTURBANCE ON SITE.
12. STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY ON SITE EXCAVATION AND SHALL BE MAINTAINED DURING ALL EXCAVATION AND CONSTRUCTION ACTIVITIES.
13. MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDED WITH TACKIFIER.
14. SILT FENCE AND OTHER SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CONTRACT DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO WORK IN ANY UPLAND AREAS.
15. EXCAVATED MATERIAL FROM TEMPORARY SILT TRAPS MUST BE STOCKPILED ON UPHILL SIDE OF SILT FENCE.
16. INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTION, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE MIRAFI ENVIROFENCE, AMOCO SILT STOP OR EQUIVALENT APPROVED BY THE CIVIL ENGINEER. FILTER FABRIC USED SHALL BE MIRAFI 100X OR EQUIVALENT. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
17. WHERE INDICATED ON EROSION CONTROL PLANS USE NEW HAY BALES AND REPLACE THEM WHENEVER THEIR CONDITION DETERIORATES BEYOND REASONABLE USABILITY. STAKE HAY BALES SECURELY INTO GROUND AND BUTT TIGHTLY TOGETHER TO PREVENT UNDERCUTTING AND BYPASSING.
18. INSTALL TEMPORARY DIVERSION DITCHES, PLUNGE POOLS, SEDIMENT TRAPS, AND DEWATERING PITS AS SHOWN AND AS NECESSARY DURING VARIOUS PHASES OF CONSTRUCTION TO CONTROL RUNOFF UNTIL UPHILL AREAS ARE STABILIZED. LOCATION OF TEMPORARY SEDIMENT TRAPS WILL REQUIRE REVIEW AND APPROVAL BY THE CIVIL ENGINEER AND GOVERNING OFFICIAL.
19. DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE SUCH AS TEMPORARY PITS, SEDIMENT TRAPS OR GRASS FILTERS WITHIN THE APPROVED LIMIT OF DISTURBANCE. DISCHARGE TO STORM DRAINAGE SYSTEM OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR.
20. BLOCK THE OPEN UPSTREAM ENDS OF DETENTION BASIN/SEDIMENTATION BASIN OUTLET CONTROL ORIFICE UNTIL SITE IS STABILIZED. CONVERT TEMPORARY SEDIMENT TRAPS TO PERMANENT DETENTION BASINS ONCE SITE HAS BEEN STABILIZED. CLEAN OUTLET CONTROL STRUCTURES AS NECESSARY AND REMOVE ACCUMULATED SEDIMENT FROM BOTTOM OF BASIN. BLOCK END OF STORM SEWERS IN EXPOSED TRENCHES WITH BOARDS AND SANDBAGS AT THE END OF EACH WORKING DAY WHEN RAIN IS EXPECTED.
21. SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. OTHER DUST CONTROL MEASURES TO BE USED AS NECESSARY INCLUDE WATERING DOWN DISTURBED AREAS, USING CALCIUM CHLORIDE, AND COVERING LOADS ON DUMP TRUCKS.
22. PERIODICALLY CHECK ACCUMULATED SEDIMENT LEVELS IN THE SEDIMENT TRAPS DURING CONSTRUCTION AND CLEAN ACCUMULATED SILT WHEN NECESSARY OR WHEN ONE FOOT OF SEDIMENT HAS ACCUMULATED OR PER SPECIFIC CLEANOUT MARKER ELEVATION. CLEAN ACCUMULATED SEDIMENT FROM CATCH BASIN SUMPS AS NECESSARY AND AS DIRECTED BY THE CIVIL ENGINEER OR OWNER'S CONSTRUCTION REPRESENTATIVE. REMOVE ACCUMULATED SEDIMENT FROM BEHIND HAY BALES AND SILT FENCE WHEN LEVEL REACHES HALF THE HEIGHT OF THE HAY BALE OR ONE FOOT AT SILT FENCE. DISPOSE OF SEDIMENT LEGALLY EITHER ON OR OFF SITE.
23. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
24. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
25. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF UTILITY AND STORM PIPE TRENCHES SO AS TO ALLOW THE TRENCH TO INTERCEPT ALL SILT LADEN RUNOFF.
26. CONTRACTOR SHALL ONLY EXCAVATE AS MUCH UTILITY AND STORM PIPE TRENCH WORK AS CAN BE COMPLETED, BACKFILLED AND STABILIZED IN ONE DAY SO AS TO LIMIT THE AMOUNT OF OPEN, DISTURBED TRENCHING.
27. ANY STOCKPILES OF STRIPPED MATERIALS ARE TO BE PERIODICALLY SPRAYED WITH WATER OR A CRUSTING AGENT TO STABILIZE POTENTIALLY WIND-BLOWN MATERIAL. HAUL ROADS BOTH INTO AND AROUND THE SITE ARE TO BE SPRAYED AS NEEDED TO SUPPRESS DUST. TRUCKS HAULING IMPORT FILL MATERIAL ARE TO BE TARPED TO AID IN THE CONTROL OF AIRBORNE DUST. DURING HIGH WIND EVENTS (20 TO 30 MPH SUSTAINED) CONSTRUCTION ACTIVITY SHALL BE LIMITED OR CEASED IF DUST CANNOT BE CONTROLLED BY WETTING.
28. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM OF 70% UNIFORM PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER MOVEMENTS.
29. MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP PARKING LOT AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS WHEN AUTHORIZED BY LOCAL GOVERNING AUTHORITY. FILE NOT (NOTICE OF TERMINATION) WITH GOVERNING AUTHORITY RESPONSIBLE FOR REGULATING STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER NPDES.

30. A MANDATORY SUBMISSION OF MONTHLY MONITORING REPORTS TO THE TOWN OF DERBY INLAND WETLANDS AND PLANNING AND ZONING DEPARTMENTS OF ONGOING CONSTRUCTION AND E&S MAINTENANCE, INCLUDING IDENTIFICATION OF SITE CONDITIONS, CONTROL MAINTENANCE AND ANY ACTIONS TAKEN TO ADDRESS PERIODIC SITE STABILITY AND EROSION CONDITIONS.



SILT SACK DETAIL

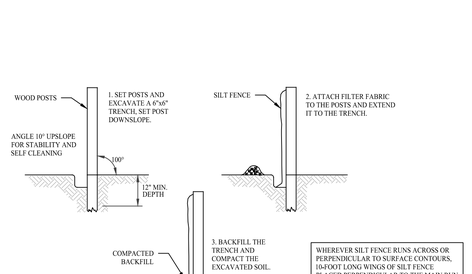
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ANTI-TRACKING APRON DETAIL

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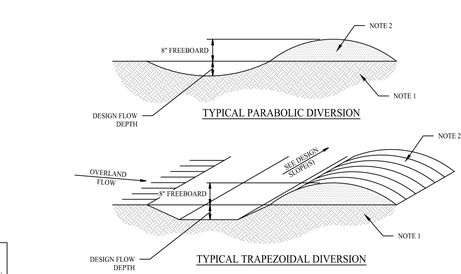
DETAIL PER TOWN OF MONROE DPW STANDARD DRAWINGS



WHEREVER SILT FENCE RUNS ACROSS OR PERPENDICULAR TO SURFACE CONTOURS, 10A FOOT LONG WINGS OF SILT FENCE PLACED PERPENDICULAR TO THE MAIN RUN OF SILT FENCE SHOULD BE PROVIDED AT APPROXIMATE INTERVALS OF 50-FEET.

SILT FENCE BARRIER DETAIL

SCALE: NTS



TYPICAL PARABOLIC DIVERSION

TYPICAL TRAPEZOIDAL DIVERSION

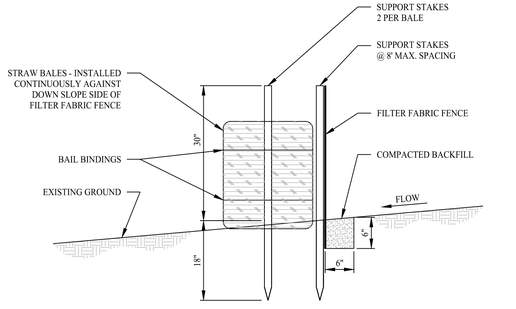


TYPICAL VEE-SHAPED DIVERSION

NOTES:
1. REMOVE ANY EXISTING VEGETATION AND SCARIFY OR BENCH ADJACENT SOILS PRIOR TO PLACING BERM.
2. BERM MATERIALS MUST BE ADEQUATELY COMPACTED AND STABILIZED.
3. REFER TO E&S PHASE I & II FOR TEMPORARY AND/OR FINAL STABILIZATION MEASURES.
4. BERM SHALL NOT BE CONSTRUCTED OF TOPSOIL.

DIVERSION BERM DETAIL

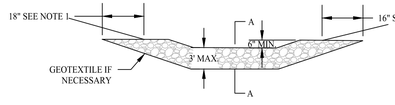
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NOTE:
1. USE 2" x 2" x 48" WOODEN STAKES OR EQUIVALENT STEEL (U OR T) STAKES.

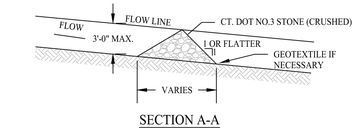
SILT FENCE WITH HAYBALE BACKING

SCALE: NTS

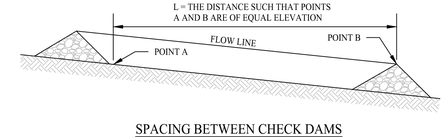


VIEW LOOKING UPSTREAM

NOTES
1. KEY STONE INTO THE DITCH BANKS AND EXTEND INTO THE ABUTMENTS A MINIMUM OF 18" TO PREVENT FLOW FROM FLANKING THE DAM.
2. THE MINIMUM DESIGN CAPACITY SHALL CONVEY A 2 YEAR-24 HOUR PEAK FLOW.



SECTION A-A



SPACING BETWEEN CHECK DAMS

STONE CHECK DAM DETAIL

SCALE: NTS

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REVISIONS

NO.	BY	DATE	DESCRIPTION
1.	MJS	03-05-26	ALTERNATIVE ACCESS
2.	MJS	06-24-26	ENGINEERING COMMENTS

PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

E&S DETAILS

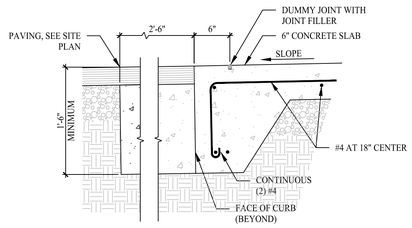
DESIGNED BY: SFS	SCALE:
DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
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SEAL

STATE OF CONNECTICUT — MANUEL JOSE SILVA — 24928 — LICENSED PROFESSIONAL ENGINEER

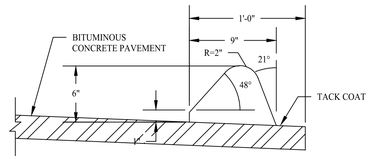
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SP-4



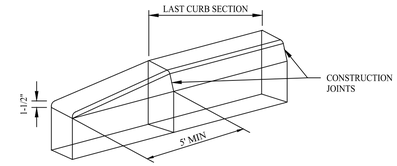
FLUSH CURB AT PAVEMENT

SCALE: NTS



EXTRUDED BITUMINOUS CONCRETE LIP CURBING DETAIL

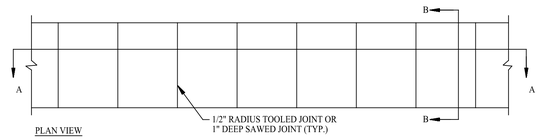
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NOTES
1. CONCRETE SHALL BE 3500 PSI AIR ENTRAINED AT A 4" SLUMP.
2. TRANSVERSE CONTROL JOINTS 1/4" WIDE BY 3/4" DEEP, TO BE FORMED EVERY 4'.
3. EXPANSION JOINTS WITH 1/2" PREMOLDED MATERIALS SHALL BE PLACED EVERY 28' TO FULL DEPTH.
4. WEATHER PROTECTION AND CURING COMPOUNDS SHALL BE USED IN ACCORDANCE WITH CTDOT SPECIFICATIONS.
5. ALL EDGES SHALL BE ROUNDED WITH A 1/4" EDGE TOOL

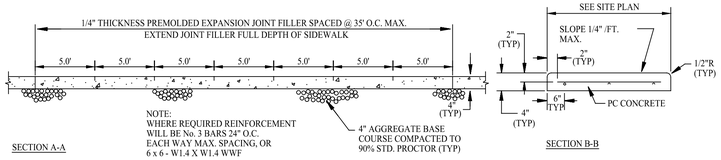
CURB TRANSITION DETAIL

SCALE: NTS



NOTE: PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS

PLAN VIEW

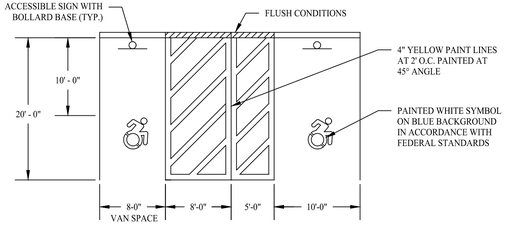


SECTION A-A

SECTION B-B

CONCRETE SIDEWALK

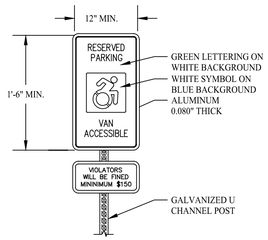
SCALE: NTS



NOTES
1. SEE SITE PLAN FOR ACCESSIBLE SPACE LOCATIONS
2. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.

ACCESSIBLE PARKING SPACE DETAIL

SCALE: NTS

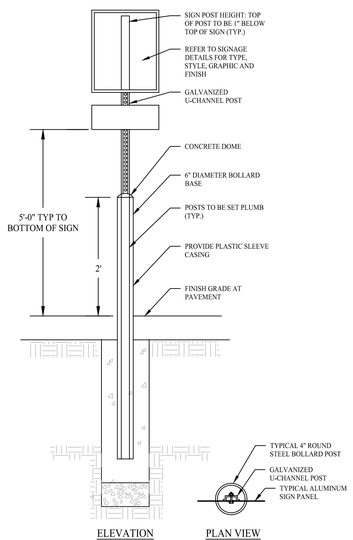


ACCESSIBLE PARKING SIGN

NOTE
SUPPORTS-SEE STD. SHEET-"TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS" PREPARED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION; BUREAU OF HIGHWAYS; DIVISION OF TRAFFIC SUPPORTS-WT/FT 3 LB (UNLESS OTHERWISE NOTED)

ACCESSIBLE SIGN DETAILS

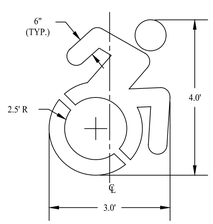
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ELEVATION PLAN VIEW

SIGN MOUNTING FOR ACCESSIBLE SIGN

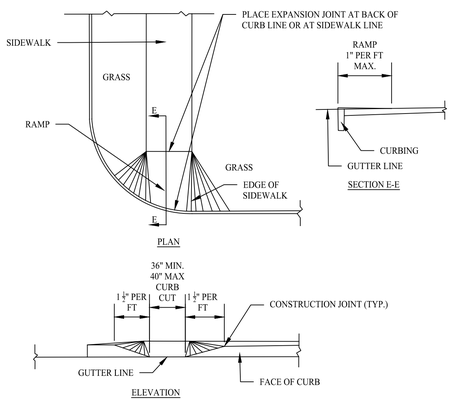
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NOTES:
LOCATE AT EDGE OF PARKING SPACE UNLESS ACCOMPANIED BY "VAN" LETTERING

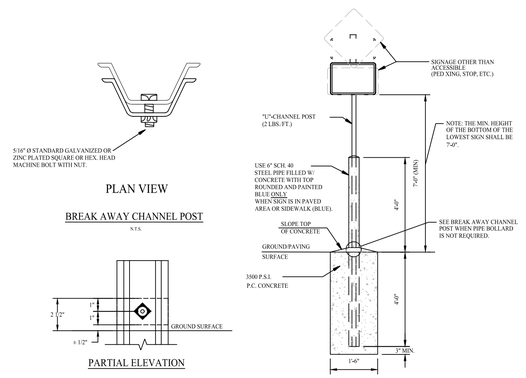
ACCESSIBLE PARKING SYMBOL

SCALE: NTS



SIDEWALK RAMP

SCALE: NTS



ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES"LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

SITE SIGN BASE DETAILS

SCALE: NTS

ROSE •TISO & CO. LLC.
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REVISIONS

NO.	BY	DATE	DESCRIPTION
1.	MJS	03-05-26	ALTERNATIVE ACCESS
2.	MJS	06-24-26	ENGINEERING COMMENTS

PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

DETAILS

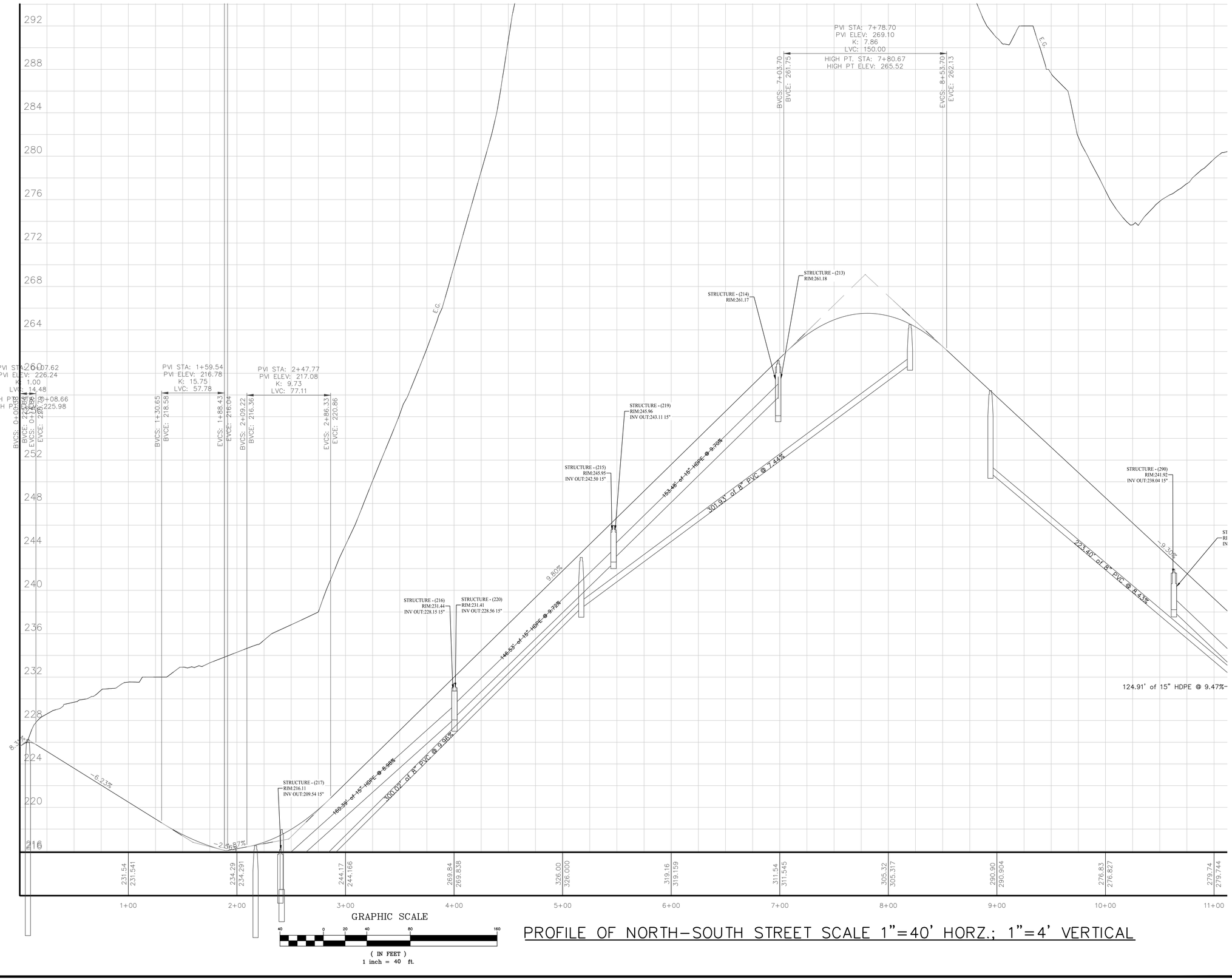
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DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
CAD FILE: R:\2508\dwg\2508	

SEAL

STATE OF CONNECTICUT · SAMUEL JOSEPH SFERRA · 30925 · REGISTERED PROFESSIONAL ENGINEER

SHEET NUMBER

SP-5



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

PROFILE OF NORTH-SOUTH STREET SCALE 1"=40' HORZ.; 1"=4' VERTICAL

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SUMMIT STREET EXTENSION
DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

PROFILE PLAN NORTH SOUTH PART 1

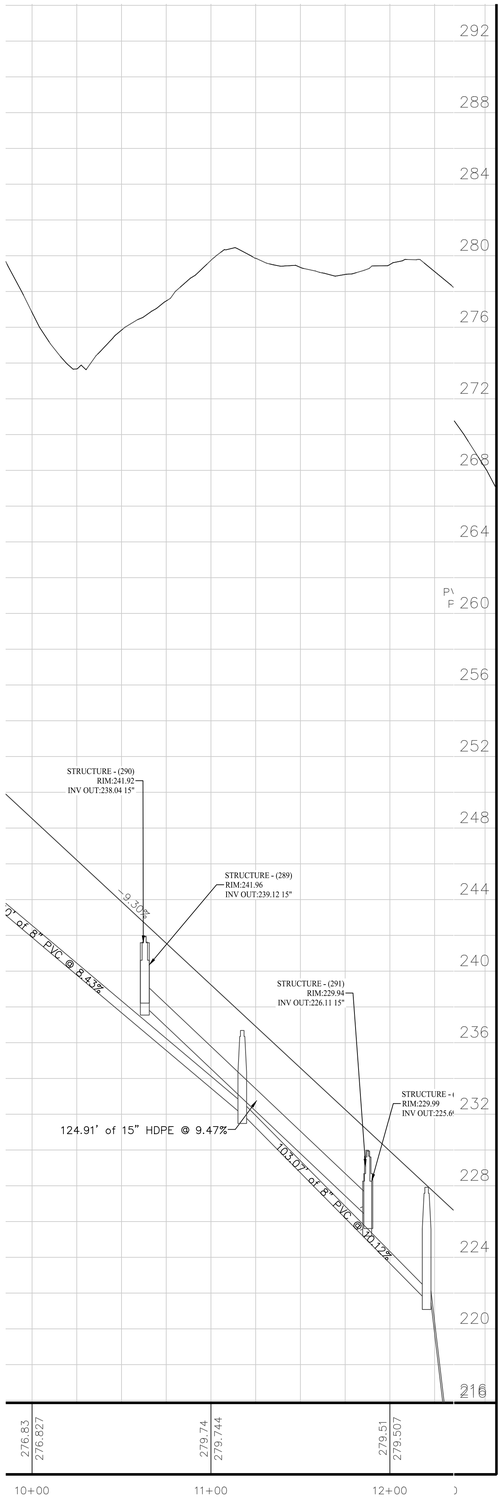
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SEAL

STATE OF CONNECTICUT
MANUEL JOSE SILVA
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER

P-1.1

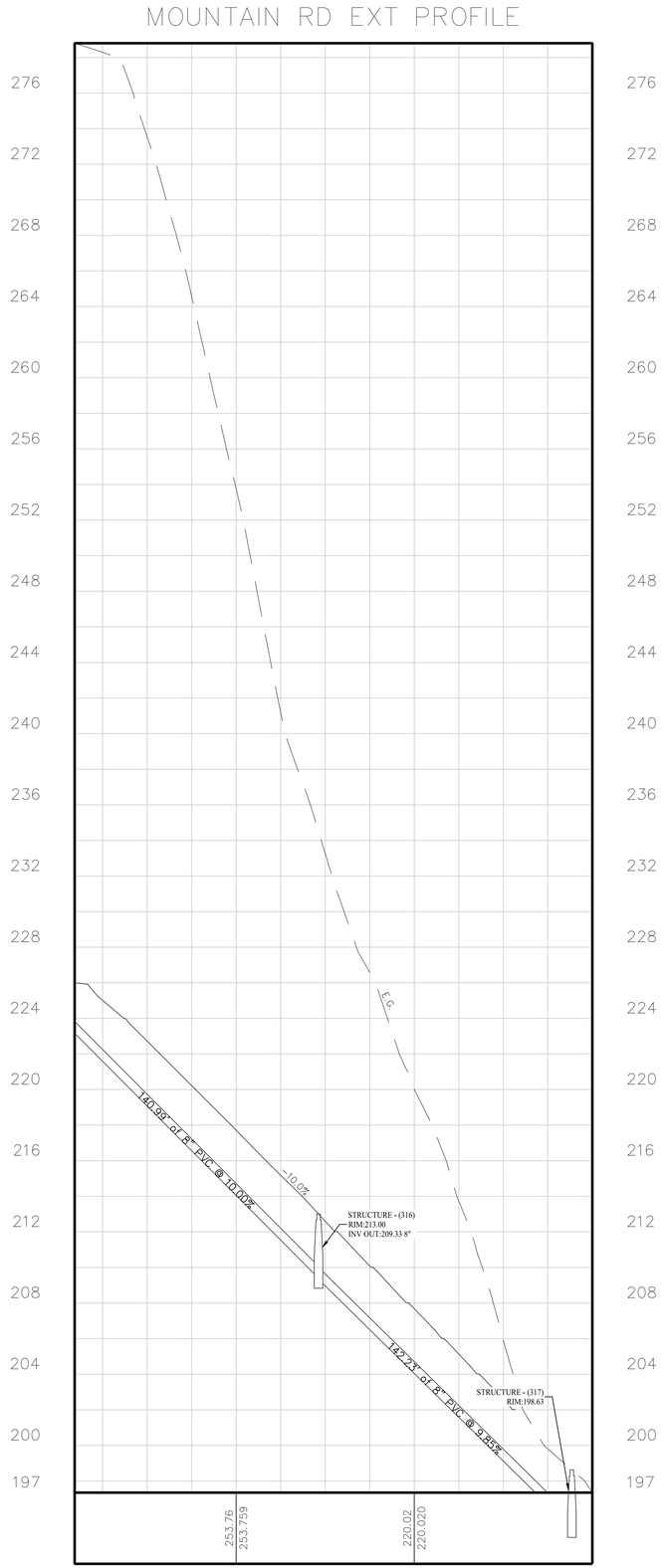


PROFILE OF NORTH-SOUTH STREET SCALE 1"=40' HORZ.; 1"=4' VERTICAL

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.



PROFILE OF MOUNTAIN RD EXT. SCALE 1"=40' HORZ.; 1"=4' VERTICAL

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PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

PROFILE PLAN NORTH SOUTH PART 2

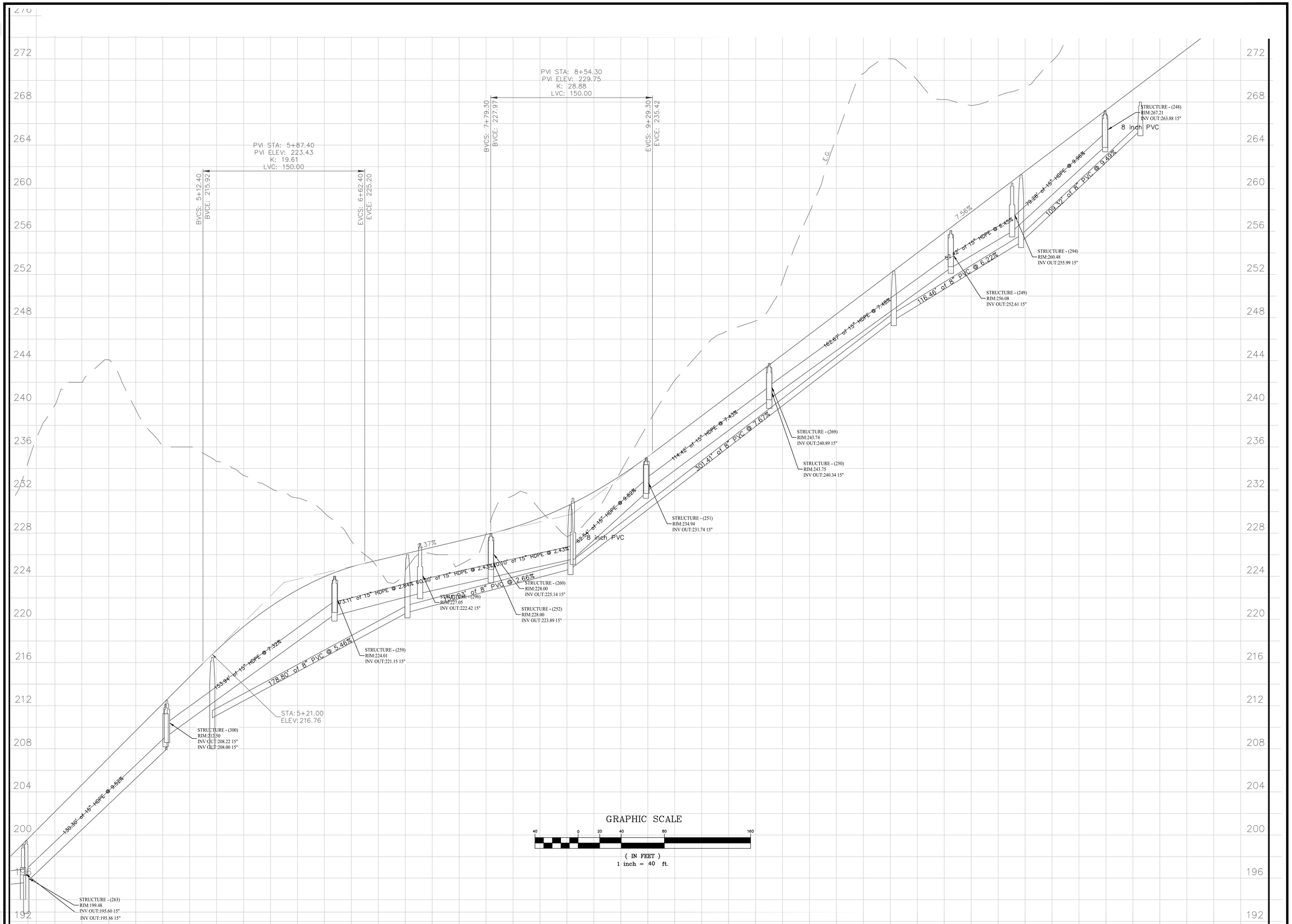
DESIGNED BY: SFS	SCALE:
DRAWN BY: SFS	DATE: 01-05-23
CHECKED BY: MJS	PROJECT NUMBER: 2508
CAD FILE: R:\2508\dwg\2508	

SEAL

STATE OF CONNECTICUT
MANUEL JOSE SILVA
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER

P-1.2



ROSE •TISO & CO. LLC.
ARCHITECTS ● SURVEYORS ● ENGINEERS
WWW.ROSETISO.COM
35 BRENTWOOD AVENUE, FAIRFIELD, CT 06825
TEL: (203)610-6262 ● FAX: (203)610-6404

REVISIONS

NO.	BY	DATE	DESCRIPTION
1.	MJS	03-05-26	ALTERNATIVE ACCESS
2.	MJS	06-24-26	ENGINEERING COMMENTS

PROJECT TITLE

PROPOSED SUBDIVISION

SUMMIT STREET EXTENSION DERBY, CONNECTICUT

Prepared For:

SUMMIT HILL, LLC

SHEET TITLE

PROFILE PLAN EAST WEST LOOP ROAD PART 1

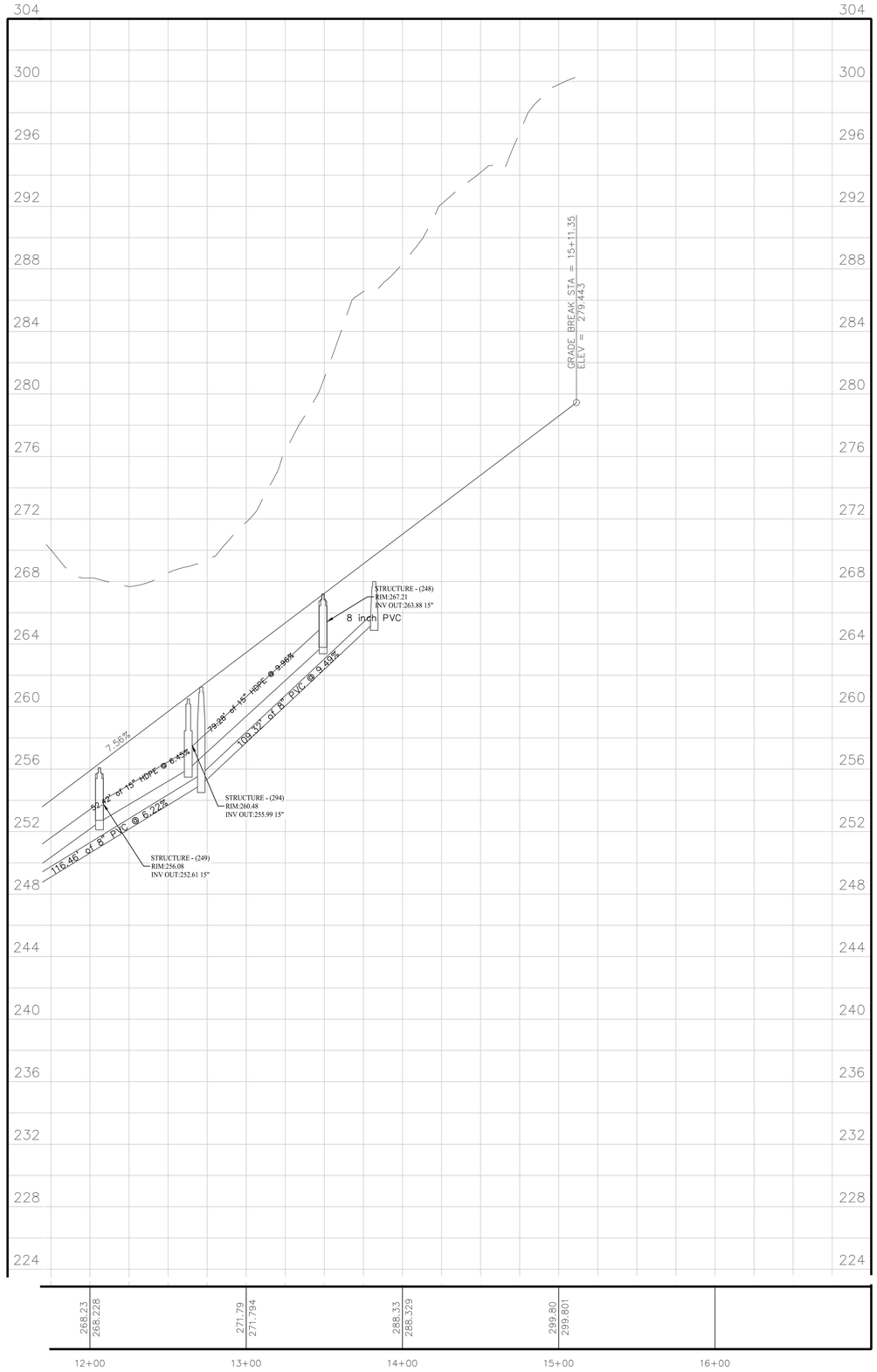
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DRAWN BY: SFS	DATE: 01-05-23
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SEAL

STATE OF CONNECTICUT SAMUEL JOSEPH SFORZA 31702 LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER

P-2.1



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

ROSE •TISO & CO. LLC.
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SUMMIT STREET EXTENSION DERBY, CONNECTICUT

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SEAL

STATE OF CONNECTION
SAMUEL JOSEPH SFORZA
LICENSED PROFESSIONAL ENGINEER

SHEET NUMBER

P-2.2