

PROJECT SITE AND ABUTTING PROPERTY OWNERS

SCALE: 1" = 500'

GOODWIN COLLEGE
ONE RIVERSIDE DRIVE EAST HARTFORD, CT

SOUTH MEADOWS MULTI-USE RECREATIONAL TRAIL
EAST HARTFORD, CT

PROJECT NUMBER
1570-32

SEPTEMBER 4, 2017

PHASE II

INSPECTION NOTES

1. THE DEVELOPER SHALL NOTIFY THE TOWN OF EAST HARTFORD ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, STREET LINE MONUMENTATION, PROPERTY CORNER PINS, ETC., TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:30 A.M. - 4:30 P.M. AT 291-7380.
2. THE TOWN SHALL BE NOTIFIED IN WRITING AT LEAST 2 DAYS IN ADVANCE OF THE PRE-CONSTRUCTION MEETING BETWEEN THE CONTRACTOR AND THE ENGINEER.

TOWN OF EAST HARTFORD
PLANNING & ZONING COMMISSION
SITE PLAN CERTIFICATE
OF APPROVAL

APPROVAL DATE _____
EXPIRATION DATE _____

CHAIRMAN

LIST OF DRAWINGS

- COVER SHEET
- CE-1 OVERALL PLAN
- CE-2 SITE PLAN
- CE-3 SITE PLAN
- CE-4 SITE DETAILS
- CE-5 SITE DETAILS

APPLICATION FOR:

- | | |
|---|---|
| X | DEVELOPMENT PERMIT IN FLOOD HAZARD ZONE |
| X | SOIL EROSION AND SEDIMENTATION CONTROL |

PROJECT SITE - PROPERTY OWNERS

MAP-LOT	PROPERTY ADDRESS	OWNER NAME	OWNER ADDRESS
7-11	138 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-12	134 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
7-13	130 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-14	126 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
7-20	114 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
7-20A	31 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
7-21	118 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-23	66 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
7-25	70 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-26	58 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-27	54 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
8-1	50 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
8-2	46 SOUTH MEADOW LAND	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118

ABUTTING PROPERTY OWNERS

MAP-LOT	PROPERTY ADDRESS	OWNER NAME	OWNER ADDRESS
300-001	HOCKANUM MEADOW WETHERSFIELD, CT	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-10	142 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-16	51 SOUTH MEADOW LANE	WRIGHTS ISLAND FARMS	2146 MAIN STREET GLASTONBURY, CT 06033
7-18	106 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
7-19	110 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-22	122 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-28	37 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
7-29	78 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
8-3	42 SOUTH MEADOW LANE	SIMON C. WALTER	3320 EAGLE AVENUE KEY WEST, FL 33040
8-4	38 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
8-5	17 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
8-6	30 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
8-7	26 SOUTH MEADOW LAND	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108
8-8	22 SOUTH MEADOW LANE	GOODWIN COLLEGE, INC.	ONE RIVERSIDE DRIVE EAST HARTFORD, CT 06118
8-9	18 SOUTH MEADOW LANE	TOWN OF EAST HARTFORD	740 MAIN STREET EAST HARTFORD, CT 06108

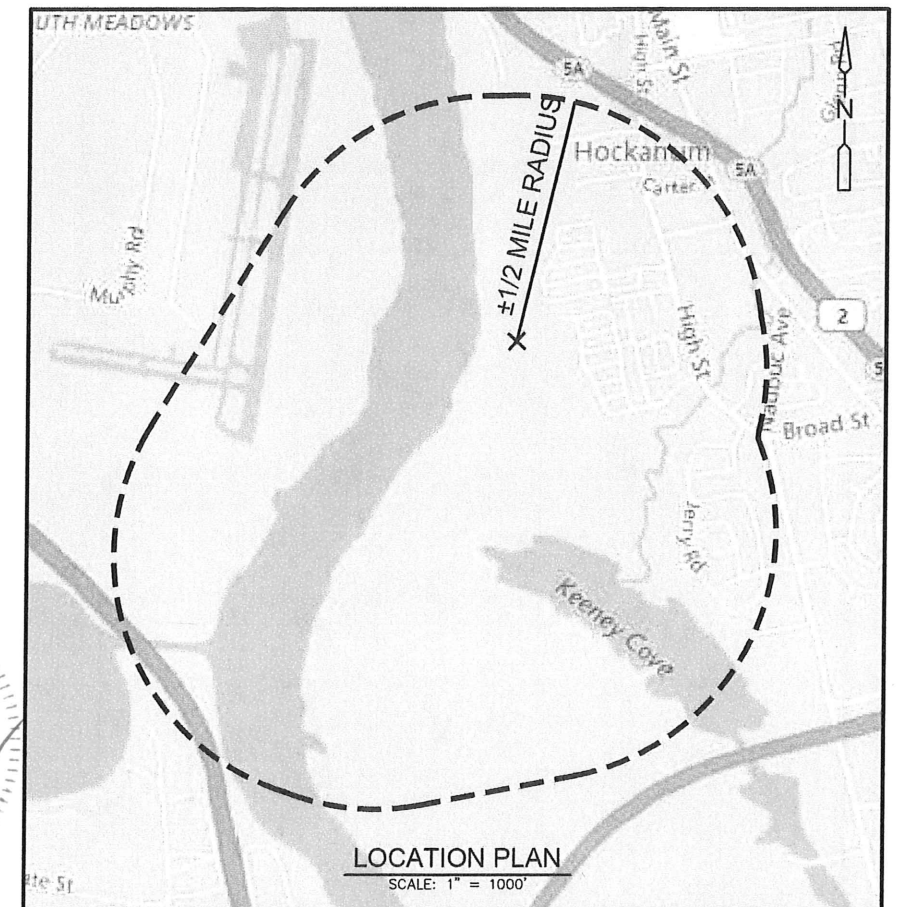
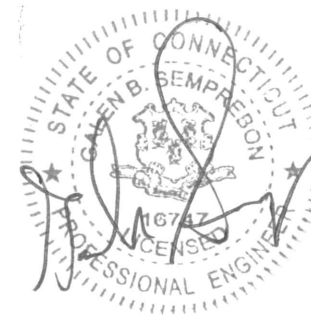
PREPARED FOR

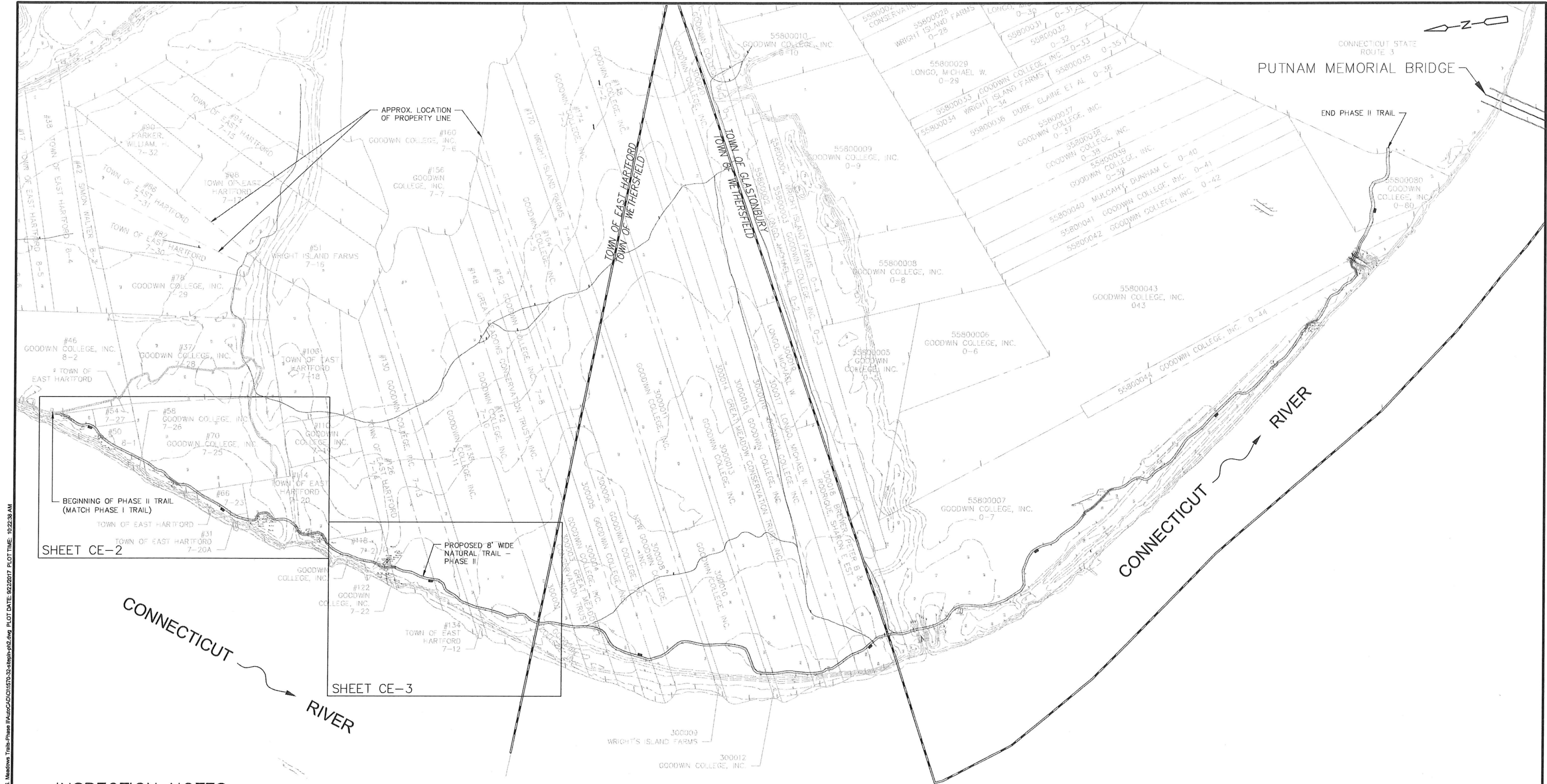


PREPARED BY



40 Cold Spring Road • Rocky Hill, CT 06067
Phone 860.436.4901 • Fax 860.436.4953





INSPECTION NOTES

1. THE DEVELOPER SHALL NOTIFY THE TOWN OF EAST HARTFORD ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, STREET LINE MONUMENTATION, PROPERTY CORNER PINS, ETC., TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:30 A.M. - 4:30 P.M. AT 291-7380.
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TOWN OF EAST HARTFORD
PLANNING & ZONING COMMISSION
SITE PLAN CERTIFICATE
OF APPROVAL

APPROVAL DATE _____
EXPIRATION DATE _____

CHAIRMAN

NOT FOR CONSTRUCTION

0 200' 400'
SCALE: 1"=200'

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.: 1570-32
DESIGNED BY: GBS/JAS
DRAWN BY: JAS
SHEET CHK'D BY: GBS
CROSS CHK'D BY: GBS
APPROVED BY: GBS
DATE: 09-19-17

PREPARED FOR:
GOODWIN COLLEGE
ONE RIVERSIDE DRIVE
EAST HARTFORD, CT

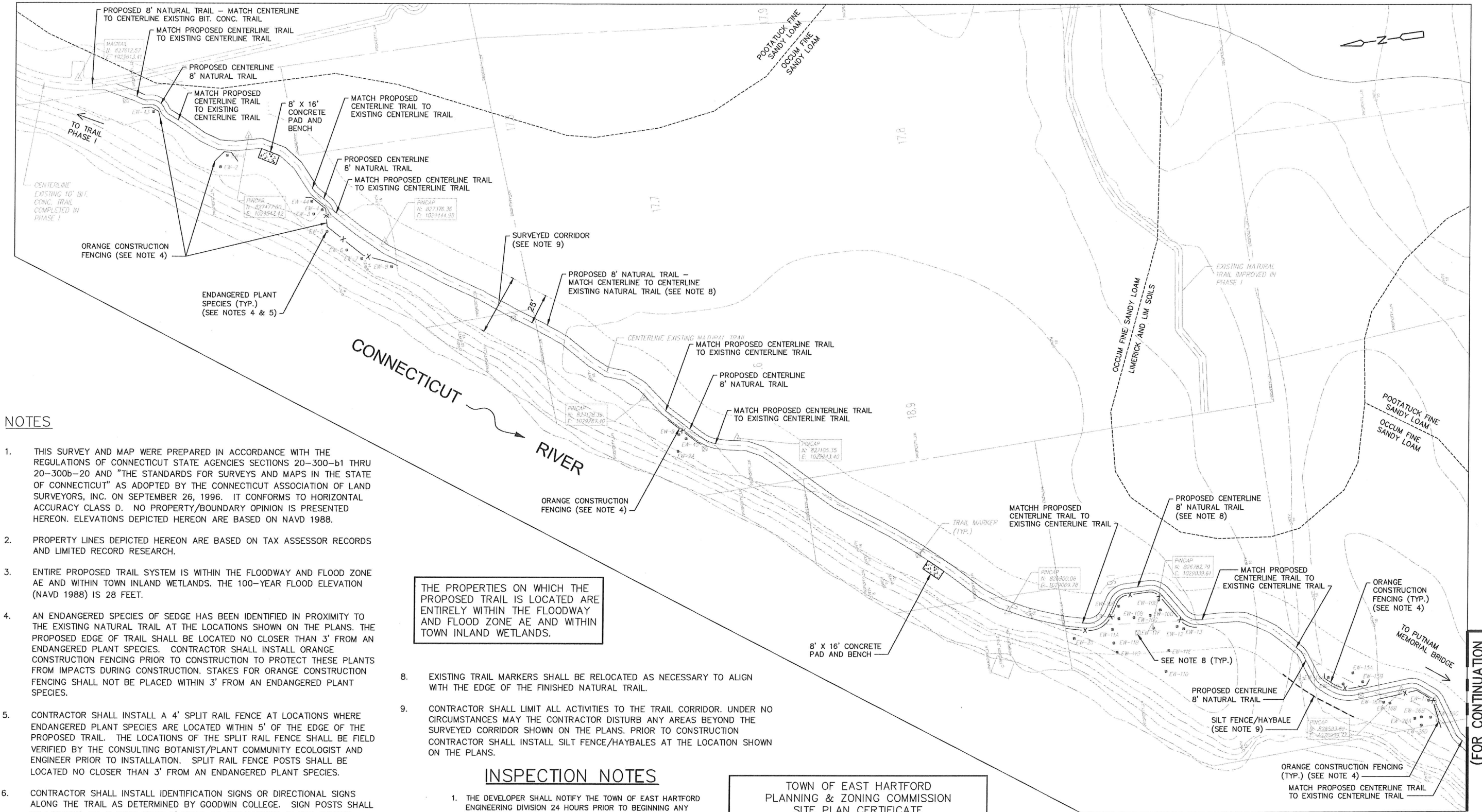
PREPARED BY:
ZUVIC-CARR
AND ASSOCIATES
CONSULTING ENGINEERS
40 Cold Spring Road • Rocky Hill, CT 06067
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**SOUTH MEADOWS MULTI-USE
RECREATIONAL TRAIL**
PHASE II
EAST HARTFORD, CT
WETHERSFIELD, CT
GLASTONBURY, CT

**PHASE II
OVERALL PLAN
KEY MAP**

SHEET NO.

CE-1



NOTES

1. THIS SURVEY AND MAP WERE PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND "THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT CONFORMS TO HORIZONTAL ACCURACY CLASS D. NO PROPERTY/BOUNDARY OPINION IS PRESENTED HEREON. ELEVATIONS DEPICTED HEREON ARE BASED ON NAVD 1988.
2. PROPERTY LINES DEPICTED HEREON ARE BASED ON TAX ASSESSOR RECORDS AND LIMITED RECORD RESEARCH.
3. ENTIRE PROPOSED TRAIL SYSTEM IS WITHIN THE FLOODWAY AND FLOOD ZONE AE AND WITHIN TOWN INLAND WETLANDS. THE 100-YEAR FLOOD ELEVATION (NAVD 1988) IS 28 FEET.
4. AN ENDANGERED SPECIES OF SEDGE HAS BEEN IDENTIFIED IN PROXIMITY TO THE EXISTING NATURAL TRAIL AT THE LOCATIONS SHOWN ON THE PLANS. THE PROPOSED EDGE OF TRAIL SHALL BE LOCATED NO CLOSER THAN 3' FROM AN ENDANGERED PLANT SPECIES. CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING PRIOR TO CONSTRUCTION TO PROTECT THESE PLANTS FROM IMPACTS DURING CONSTRUCTION. STAKES FOR ORANGE CONSTRUCTION FENCING SHALL NOT BE PLACED WITHIN 3' FROM AN ENDANGERED PLANT SPECIES.
5. CONTRACTOR SHALL INSTALL A 4' SPLIT RAIL FENCE AT LOCATIONS WHERE ENDANGERED PLANT SPECIES ARE LOCATED WITHIN 5' OF THE EDGE OF THE PROPOSED TRAIL. THE LOCATIONS OF THE SPLIT RAIL FENCE SHALL BE FIELD VERIFIED BY THE CONSULTING BOTANIST/PLANT COMMUNITY ECOLOGIST AND ENGINEER PRIOR TO INSTALLATION. SPLIT RAIL FENCE POSTS SHALL BE LOCATED NO CLOSER THAN 3' FROM AN ENDANGERED PLANT SPECIES.
6. CONTRACTOR SHALL INSTALL IDENTIFICATION SIGNS OR DIRECTIONAL SIGNS ALONG THE TRAIL AS DETERMINED BY GOODWIN COLLEGE. SIGN POSTS SHALL BE LOCATED NO CLOSER THAN 3' FROM AN ENDANGERED PLANT SPECIES.
7. ALL CONSTRUCTION WORK SHALL BE DONE WITH SMALL EQUIPMENT (BOBCAT SIZE) AND BY HAND. ACCESS TO THE SITE SHALL BE FROM THE GOODWIN COLLEGE PROPERTY, LOCATED AT 10 SOUTH MEADOW LANE IN EAST HARTFORD, OR FROM THE PUTNAM MEMORIAL BRIDGE ENTRANCE IN GLASTONBURY.

THE PROPERTIES ON WHICH THE PROPOSED TRAIL IS LOCATED ARE ENTIRELY WITHIN THE FLOODWAY AND FLOOD ZONE AE AND WITHIN TOWN INLAND WETLANDS.

8. EXISTING TRAIL MARKERS SHALL BE RELOCATED AS NECESSARY TO ALIGN WITH THE EDGE OF THE FINISHED NATURAL TRAIL.
9. CONTRACTOR SHALL LIMIT ALL ACTIVITIES TO THE TRAIL CORRIDOR. UNDER NO CIRCUMSTANCES MAY THE CONTRACTOR DISTURB ANY AREAS BEYOND THE SURVEYED CORRIDOR SHOWN ON THE PLANS. PRIOR TO CONSTRUCTION CONTRACTOR SHALL INSTALL SILT FENCE/HAYBALES AT THE LOCATION SHOWN ON THE PLANS.

INSPECTION NOTES

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TOWN OF EAST HARTFORD
PLANNING & ZONING COMMISSION
SITE PLAN CERTIFICATE
OF APPROVAL

APPROVAL DATE _____
EXPIRATION DATE _____
CHAIRMAN

NOT FOR CONSTRUCTION

0 40' 80'
SCALE: 1"=40'

(FOR CONTINUATION
SEE DWG. No. CE-3)

FILE PATH: H:\Projects\Goodwin College\1570 - 32 - S. Meadows Trails-Phase II\AutoCAD\1570-32-3.spl\p2.dwg PLOT DATE: 9/22/2017 PLOT TIME: 10:22:43 AM

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.: 1570-32
DESIGNED BY: GBS/JAS
DRAWN BY: JAS
SHEET CHK'D BY: GBS
CROSS CHK'D BY: GBS
APPROVED BY: GBS
DATE: 09-19-17

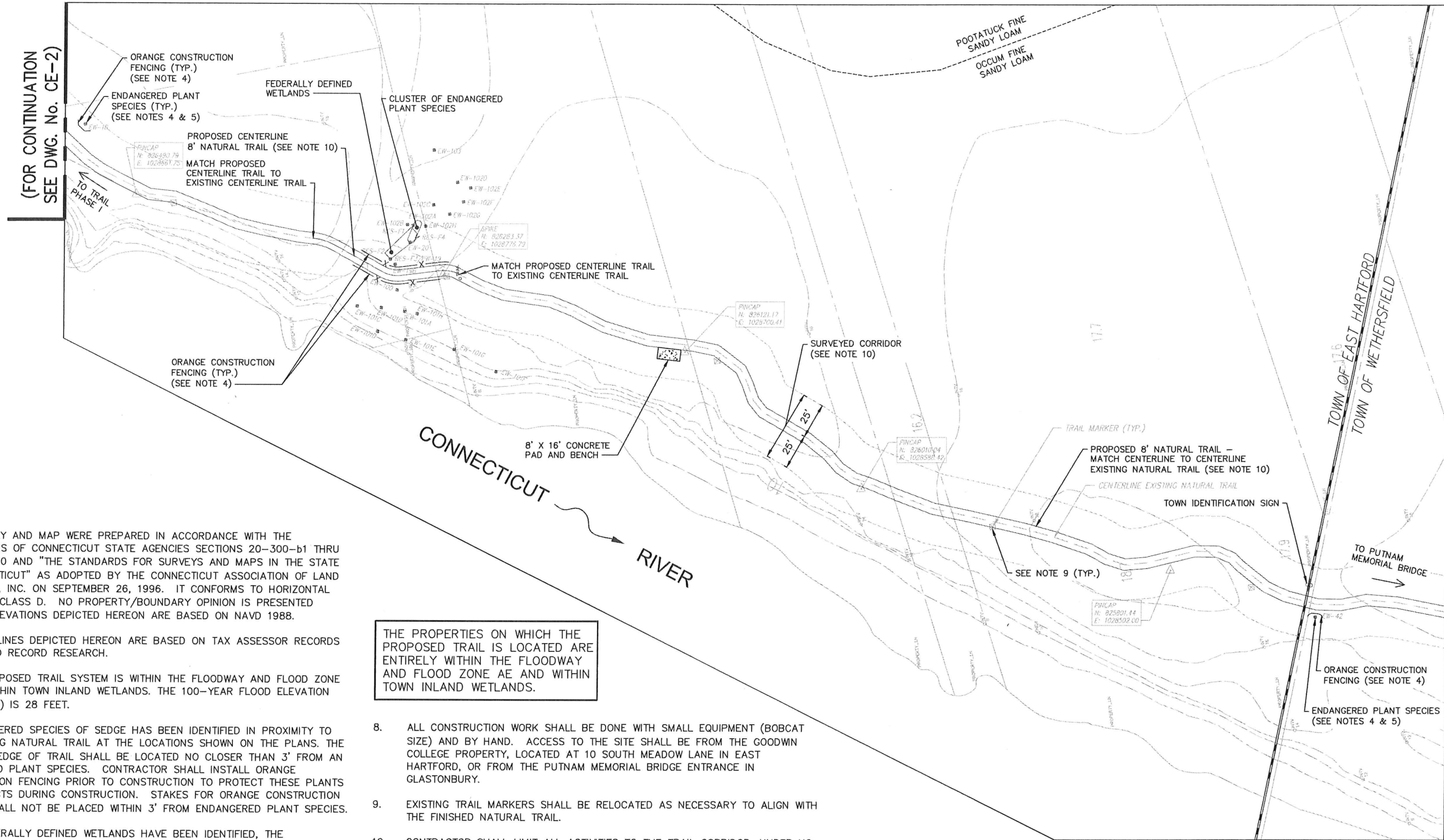
PREPARED FOR:
GOODWIN COLLEGE
ONE RIVERSIDE DRIVE
EAST HARTFORD, CT

PREPARED BY:
ZUVIC-CARR
AND ASSOCIATES
CONSULTING ENGINEERS
40 Cold Spring Road • Rocky Hill, CT 06067
Phone 860.436.4901 • Fax 860.436.4953

SOUTH MEADOWS MULTI-USE RECREATIONAL TRAIL PHASE II EAST HARTFORD, CT
--

PHASE II SITE PLAN

SHEET NO. CE-2



NOTES

1. THIS SURVEY AND MAP WERE PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300-b1 THRU 20-300b-20 AND "THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT CONFORMS TO HORIZONTAL ACCURACY CLASS D. NO PROPERTY/BOUNDARY OPINION IS PRESENTED HEREON. ELEVATIONS DEPICTED HEREON ARE BASED ON NAVD 1988.
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5. WHERE FEDERALLY DEFINED WETLANDS HAVE BEEN IDENTIFIED, THE CONTRACTOR SHALL MARK THE LOCATIONS WITH ORANGE FENCING PRIOR TO CONSTRUCTION.
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INSPECTION NOTES

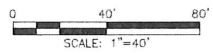
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TOWN OF EAST HARTFORD
PLANNING & ZONING COMMISSION
SITE PLAN CERTIFICATE
OF APPROVAL

APPROVAL DATE _____
EXPIRATION DATE _____

CHAIRMAN

NOT FOR CONSTRUCTION



FILE PATH: H:\Projects\Goodwin College\1570 - Misc Campus Wide Tech Support\Task 32 - S. Meadows Trails-Phase II\AutoCAD\DWG\1570-32-Map-02.dwg PLOT DATE: 9/22/2017 PLOT TIME: 10:22:48 AM

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.: 1570-32
DESIGNED BY: GBS/JAS
DRAWN BY: JAS
SHEET CHK'D BY: GBS
CROSS CHK'D BY: GBS
APPROVED BY: GBS
DATE: 09-19-17

PREPARED FOR:
GOODWIN COLLEGE
ONE RIVERSIDE DRIVE
EAST HARTFORD, CT

PREPARED BY:
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AND ASSOCIATES
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40 Cold Spring Road • Rocky Hill, CT 06067
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SOUTH MEADOWS MULTI-USE RECREATIONAL TRAIL PHASE II EAST HARTFORD, CT
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PHASE II SITE PLAN

SHEET NO. CE-3

FILE PATH: H:\Projects\Goodwin College\1570-32-S. Meadows Trails\Phase II\AutoCAD\1570-32-ph2-details.dwg PLOT DATE: 9/22/2017 PLOT TIME: 10:25:28 AM

NARRATIVE

THE SOUTH MEADOWS RECREATIONAL TRAIL PROJECT CONSISTS OF THE CONSTRUCTION OF A PUBLIC ACCESS TRAIL TO BE CONSTRUCTED AND MAINTAINED BY GOODWIN COLLEGE. THE FIRST PHASE OF THE SOUTH MEADOWS RECREATIONAL TRAIL PROJECT (PHASE I) WAS COMPLETED IN 2016 AND IS LOCATED ENTIRELY WITHIN THE TOWN OF EAST HARTFORD. IN PHASE I APPROXIMATELY 3,200 LF OF WALKING TRAILS WERE CREATED FOR PUBLIC USE. THE TRAIL IN PHASE II BEGINS AT THE SOUTHERN END OF THE PHASE I TRAIL, AND CONTINUES SOUTH ALONG THE CONNECTICUT RIVER THROUGH MULTIPLE PROPERTIES IN EAST HARTFORD, WETHERSFIELD, AND GLASTONBURY. THE PHASE II PROJECT IN EAST HARTFORD ENTAILS THE CONSTRUCTION OF AN 8' WIDE NATURAL TRAIL, APPROXIMATELY 2,300 LF IN LENGTH. THE PHASE II TRAIL IN EAST HARTFORD WILL CROSS 13 PROPERTIES TOTALING APPROXIMATELY 31 ACRES.

ALL CONSTRUCTION IS WITHIN THE FLOOD PLAIN OF THE CONNECTICUT RIVER. AS SUCH, THE TRAILS WILL BE CONSTRUCTED TO MATCH EXISTING GRADE WITH NO ADDITIONAL FILL ADDED. CONSTRUCTION WILL OCCUR OUTSIDE THE NORMAL FLOOD SEASON, AND CAUTION WILL BE TAKEN DURING CONSTRUCTION TO MONITOR FOR POSSIBLE FLOOD CONDITIONS.

DURING CONSTRUCTION, GOODWIN COLLEGE HAS RETAINED A BOTANIST/PLANT COMMUNITY ECOLOGIST TO MONITOR THE CONSTRUCTION PROGRESS TO INSURE THERE ARE NO IMPACTS TO ENDANGERED SEDGE PLANTS WITHIN THE CONSTRUCTION CORRIDOR. THE CONSTRUCTION WILL ALSO BE TIMED TO AVOID WORK DURING THE EAGLE BREADING SEASON.

INFORMATIONAL SIGNAGE WILL BE INSTALLED AS PART OF THE CONSTRUCTION ALONG WITH OTHER AMENITIES (BENCHES, DIRECTIONAL SIGNAGE, ETC.).

CONSTRUCTION SCHEDULE

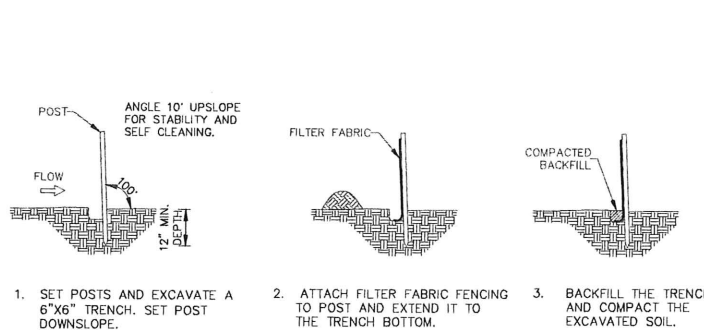
CONSTRUCTION IS SCHEDULED TO START IN SEPTEMBER 2017 AND BE COMPLETED IN NOVEMBER 2017.

RESPONSIBLE CONTACT

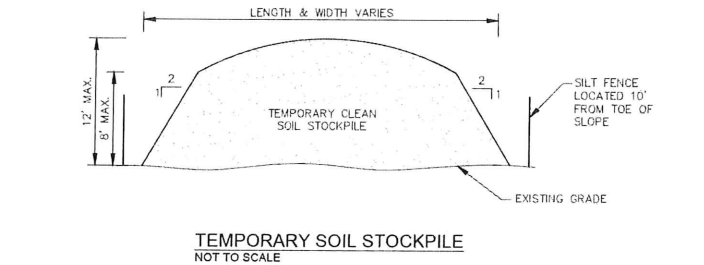
THE RESPONSIBLE CONTACT PERSON FOR ASSURING THAT ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ARE PROPERLY INSTALLED AND MAINTAINED WILL BE MR. DAN LARSON AT GOODWIN COLLEGE (TELEPHONE NO. (860) 528-4111). MR. DAN LARSON WILL ALSO BE RESPONSIBLE FOR MAINTAINING THE PERMANENT MEASURES WHEN THE PROJECT IS COMPLETED.

GENERAL CONSTRUCTION NOTES

- 1. NO CONSTRUCTION SHALL TAKE PLACE DURING FROZEN CONDITIONS OR DURING FLOODING. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CT DOT FORM 817 AND THE TOWN OF EAST HARTFORD PUBLIC IMPROVEMENT SPECIFICATIONS.
- 2. CONTRACTOR SHALL MINIMIZE DISTURBANCE DURING CONSTRUCTION AND AVOID ANY INTRUSION OR DISTURBANCE TO THE FEDERALLY DEFINED WETLANDS AREAS.



PLACEMENT AND CONSTRUCTION OF SYNTHETIC FILTER BARRIER "SILT FENCE" NOT TO SCALE



INSPECTION NOTES

- 1. THE DEVELOPER SHALL NOTIFY THE TOWN OF EAST HARTFORD ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, STREET LINE MONUMENTATION, PROPERTY CORNER PINS, ETC., TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:30 A.M. - 4:30 P.M. AT 291-7380.
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CONSTRUCTION NOTES: 8' WIDE NATURAL TRAIL

- 1. CONTRACTOR TO AVOID REMOVING ANY TREES OVER 6" IN DIAMETER.
- 2. TRIM BRANCHES AS DIRECTED BY THE ENGINEER TO PROVIDE ACCESS FOR CONSTRUCTION AND TO MAINTAIN AN OPEN TRAIL NETWORK. TRIMMING SHALL BE DONE UNDER THE SUPERVISION OF AN ARBORIST OR OTHER QUALIFIED PROFESSIONAL.
- 3. CONTRACTOR SHALL NOT REMOVE ANY STUMPS. ALL STUMPS TO REMAIN IN PLACE.
- 4. WHERE GRADING IS REQUIRED TO ADDRESS TRIPPING HAZARDS, THE TRAIL SHALL HAVE A CROSS SLOPE OF BETWEEN 1% AND 2%.
- 5. IN LOCATIONS WHERE GRADING TO MATCH EXISTING GRADE IS REQUIRED, THE MAXIMUM SIDE SLOPE SHALL BE 3:1.
- 6. THE TRAIL SHALL MATCH THE EXISTING GRADES AND LAND CONTOURS TO THE GREATEST EXTENT PRACTICAL.
- 7. CONTRACTOR SHALL MINIMIZE DISTURBANCE DURING CONSTRUCTION AND AVOID ANY INTRUSION OR DISTURBANCE TO THE FEDERALLY DEFINED WETLANDS AREAS.
- 8. ALL CONSTRUCTION WORK TO BE DONE WITH SMALL EQUIPMENT (BOBCAT SIZE) AND BY HAND.
- 9. TRAIL TO FOLLOW NATURAL TOPOGRAPHY. MINOR GRADING TO OCCUR TO COVER EXPOSED ROOTS AND TO PROVIDE A WALKING SURFACE FREE OF TRIPPING HAZARDS.
- 10. TREES AND BRUSH TO BE CHIPPED ON SITE. WOOD CHIPS TO BE USED TO STABILIZE WALKING TRAIL SURFACES AND OTHER DISTURBED AREAS WHERE REQUIRED.

CONSTRUCTION SEQUENCE: 8' WIDE NATURAL TRAIL

- 1. PRIOR TO CONSTRUCTION, THE ENGINEER SHALL MARK THE TRAIL IN THE FIELD WHERE THE TRAIL CENTERLINE WILL BE RELOCATED TO AVOID FEDERALLY DEFINED WETLANDS AND ENDANGERED PLANT SPECIES.
- 2. WHERE ENDANGERED PLANT SPECIES OR FEDERAL WETLANDS HAVE BEEN IDENTIFIED, THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING PRIOR TO CONSTRUCTION. CONSTRUCTION FENCING STAKES SHALL BE PLACED NO CLOSER THAN 3' FROM ENDANGERED PLANT SPECIES AND THE LIMIT OF THE FEDERAL WETLANDS.
- 3. EROSION CONTROL TO BE INSTALLED WHERE REQUIRED BY ENGINEER (SILT FENCE DOWN-SLOPE) (SEE EROSION AND SEDIMENT CONTROL NOTES).
- 4. CLEAR GROUND VEGETATION, CUT TREES (LESS THAN 6" DIAMETER) WHERE MARKED BY ENGINEER. TREES TO BE CUT SHALL BE CUT FLUSH AT GROUND LEVEL. STUMPS AND ROOTS SHALL BE LEFT IN PLACE.
- 5. GRADE WALKING TRAIL IN SPECIFIC LOCATIONS TO ELIMINATE TRIPPING HAZARDS AND PROVIDE POSITIVE DRAINAGE OFF WALKING SURFACES WHERE OBVIOUS SIGNS OF PONDING OCCURS. PROVIDE A MAXIMUM OF 2% CROSS SLOPE ON THE TRAIL SURFACE WHERE GRADING IS REQUIRED TO ADDRESS TRIPPING HAZARDS.
- 6. ENGINEER TO INSPECT WALKING SURFACE DURING CONSTRUCTION.
- 7. INSTALL SPLIT RAIL FENCING, TRAIL SIGNAGE AND OTHER AMENITIES.
- 8. WOOD CHIPS TO BE UTILIZED TO STABILIZE ANY LOCALIZED AREAS AS REQUIRED BY ENGINEER.
- 9. REMOVE ALL EROSION CONTROL MEASURES AND ORANGE CONSTRUCTION FENCING.

CONSTRUCTION FLOOD CONTINGENCY PLAN:

- THIS SITE IS CLOSE TO THE CONNECTICUT RIVER. ACCORDING TO THE FEDERAL EMERGENCY PROTECTION AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM) EFFECTIVE DATE SEPTEMBER 16, 2011, ALL WORK AREAS ARE WITHIN THE 100-YR FLOOD BOUNDARY. THE FLOOD CONTINGENCY PLAN ACTIONS OUTLINED BELOW SHALL BE IMPLEMENTED DURING CONSTRUCTION IN THE EVENT OF A "SIGNIFICANT RAINFALL EVENT," DEFINED HEREIN AS A STORM DURING WHICH MORE THAN 2.5-INCHES OF RAINFALL OCCURS IN A ONE-HOUR PERIOD OR MORE THAN 6.5-INCHES OCCURS IN A 24-HOUR PERIOD (STORM WITH A POTENTIAL RETURN PERIOD OF 50-YEARS) OR IF THE CONNECTICUT RIVER RISES ABOVE ELEVATION 3.5 (NAVD 1988) AS A RESULT OF LESSER STORMS. CONTRACTOR SHALL:
- 1. ADMINISTER ALL FLOOD CONTINGENCY ACTIONS AT THE SITE AND ABIDE BY THIS FLOOD CONTINGENCY PLAN.
 - 2. EXCHANGE EMERGENCY CONTACT TELEPHONE NUMBERS WITH OWNER AT THE BEGINNING OF THE WORK, IN CASE CONTACT IS NEEDED AFTER NORMAL BUSINESS HOURS.
 - 3. MONITOR WEATHER CONDITIONS FROM START TO COMPLETION OF WORK INCLUDING FORECASTS FOR A "SIGNIFICANT RAINFALL EVENT" AND RISING RIVER LEVELS.
 - 4. NOTIFY OWNER OF ANY ADVANCE FORECAST FOR A "SIGNIFICANT RAINFALL EVENT" OR FLOODING.
 - 5. HALT ALL CONSTRUCTION ACTIVITIES AT ONSET OF A "SIGNIFICANT STORM EVENT" AND DURING ANY SUBSEQUENT PERIODS OF RISING RIVER LEVELS THAT FLOOD THE SITE.
 - 6. STAGE ALL CONSTRUCTION MATERIALS AND EQUIPMENT FOR LONG TERM STORAGE (LONGER THAN 1 WEEK) OFF-SITE OUT OF THE FLOODPLAIN. ANY FUEL OR MAINTENANCE FLUID CONTAINERS SHALL BE STORED OFF-SITE. SHORT TERM STORAGE OF MATERIALS (LESS THAN 1 WEEK) MAY OCCUR ON SITE, BUT MUST BE REMOVED PRIOR TO ANY FLOODING EVENT.
 - 7. INSPECT ALL WORK AREAS TO ENSURE CONSTRUCTION AREAS ARE STABILIZED AND PROTECTED FROM RISING WATER LEVELS TO THE GREATEST EXTENT POSSIBLE.
 - 8. NOTIFY OWNER OF ANY FLOODING PROBLEMS AND INSPECT THE WORK AREA FOR DAMAGE WITH OWNER AS SOON AS PRACTICABLE AFTER ANY "SIGNIFICANT RAINFALL EVENT."

PERMANENT MAINTENANCE NOTES

- 1. TREES AND UNDERGROWTH SHALL BE TRIMMED AS NEEDED TO MAINTAIN CLEAR WALKING PATHS.
- 2. NATURAL TRAIL SHALL BE INSPECTED AFTER SPRING FLOODING EVENT AND ANY DEPRESSIONS OR OTHER POTENTIAL TRIPPING HAZARDS SHALL BE ADDRESSED.
- 3. PERIODICALLY THROUGHOUT THE YEAR, TRASH AND OTHER MAN MADE DEBRIS SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

SILT FENCE

- A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCELINE LOCATION.
- B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 12 INCHES 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.

HAYBALES

- 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.

EROSION AND SEDIMENT CONTROL:

- 1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED TO CONTROL EROSION FROM THE CONSTRUCTION ACTIVITIES. SILT FENCE SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS. ADDITIONAL MEASURES SHALL BE INSTALLED AS REQUIRED BY THE ENGINEER, OWNER, OR THE TOWN.
- 2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS OF THE "2002 GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" DATED MAY, 2002 BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
- 3. SEDIMENT REMOVED FROM CONTROL STRUCTURES SHALL BE DISPOSED OF OFFSITE AND ABOVE THE FLOODPLAIN IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THIS PLAN. ALL HAYBALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS REMOVED AND REPLACED.
- 4. CONTRACTOR SHALL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, AND INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.
- 5. ONLY THE SMALLEST PRACTICAL AREA OF DISTURBED LAND SHALL BE EXPOSED DURING CONSTRUCTION, AND SUCH EXPOSURE SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- 6. WHENEVER AND WHEREVER PRACTICAL, NEW MATERIALS TO BE INSTALLED WITHIN THE FLOOD HAZARD AREA SHALL BE UNLOADED AND INSTALLED IMMEDIATELY UPON DELIVERY. UTILIZE TRAIL AND EXISTING DRIVEWAYS AND ROADWAYS FOR VEHICLE TURNING AND STAGING.
- 7. SURROUND ANY TEMPORARY MATERIAL STOCKPILE AND STAGING AREA(S) WITH HAYBALES AND/OR SILT FENCE, AS REQUIRED.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST AND WIND EROSION THROUGHOUT THE LIFE OF THE CONTRACT. DUST CONTROL SHALL INCLUDE APPLICATION OF WATER ON EXPOSED SOILS.
- 9. HAYBALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
- 10. NO WORK SHALL OCCUR DURING PERIODS OF LOCALIZED FLOODING OR HEAVY RAINFALL.
- 11. ESTABLISH TURF ON DISTURBED AREAS OUTSIDE THE TRAIL LIMITS. APPLY SEED AS FOLLOWS:

CREeping RED FESCUE	35%
RED TOP (STREEKER, COMMON)	5%
PERENNIAL RYE GRASS	35%
CREeping BENTGRASS	25%
	100% BY WEIGHT

APPLY SEED AT A RATE OF 2 LBS./1,000 S.F. PLANTING SEASONS SHALL BE APRIL 15 TO JUNE 15 AND AUGUST 15 TO OCTOBER 15. AFTER OCTOBER 15 SUCH DISTURBED AREAS SHALL BE STABILIZED WITH MULCH UNTIL THE NEXT PLANTING SEASON.

OPERATION AND MAINTENANCE OF TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

SILT FENCE

- A. ALL SILT FENCES SHALL BE INSPECTED 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.

HAYBALES

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

GENERAL

- 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 DEEP, LOCAL AUTHORITIES OR ENGINEER.

CONTINGENCY EROSION PLAN

SHOULD UNFORESEEN EROSION OR SEDIMENTATION PROBLEMS ARISE, THE DESIGN ENGINEER OF RECORD (ZUVIC, CARR AND ASSOCIATES) AND LOCAL ENFORCEMENT AGENT SHALL BE NOTIFIED IMMEDIATELY. AN INSPECTION OF THE AFFECTED AREA(S) SHALL BE PROMPTLY PERFORMED. A REMEDIAL ACTION PLAN SHALL BE FORMULATED WITH THE LOCAL ENFORCEMENT AGENT'S APPROVAL. THE SITE CONTRACTOR SHALL THEN IMPLEMENT THE RECOMMENDED COURSE OF ACTION WHICH HAS BEEN DETERMINED BY BOTH THE ENGINEER AND LOCAL ENFORCEMENT AGENT.

TO AVOID ANY BUT THE UNFORESEEN PROBLEMS, A WEEKLY JOB MEETING SHALL BE CONDUCTED WITH THE ENGINEER AND CONTRACTOR. AT THIS MEETING, SEDIMENTATION AND EROSION CONTROL SHALL BE ON THE AGENDA. ISSUES WHICH MAY ARISE SHALL BE ADDRESSED BY THE SITE CONTRACTOR IN A TIMELY MANNER.

CONTRACTOR SHALL MAINTAIN ON SITE EXTRA SILT FENCE (200') AND EXTRA HAYBALES (40) TO ADDRESS UNFORSEEN EROSION AND SEDIMENT CONTROL NEEDS.

NOT FOR CONSTRUCTION

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.:	1570-32
DESIGNED BY:	GBS/JAS
DRAWN BY:	JAS
SHEET CHK'D BY:	GBS
CROSS CHK'D BY:	
APPROVED BY:	GBS
DATE:	09-04-17

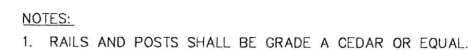
PREPARED FOR:	GOODWIN COLLEGE
	ONE RIVERSIDE DRIVE
	EAST HARTFORD, CT

PREPARED BY:	ZUVIC • CARR AND ASSOCIATES CONSULTING ENGINEERS
	40 Cold Spring Road • Rocky Hill, CT 06067 Phone 860.436.4901 • Fax 860.436.4953

SOUTH MEADOWS MULTI-USE RECREATIONAL TRAIL PHASE II EAST HARTFORD, CT
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PHASE II SITE DETAILS

SHEET NO. CE-4



4' SPLIT RAIL FENCE DETAIL
NOT TO SCALE



1. THE DEVELOPER SHALL NOTIFY THE TOWN OF EAST HARTFORD ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, STREET LINE MONUMENTATION, PROPERTY CORNER PINS, ETC., TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:30 A.M. - 4:30 P.M. AT 291-7380.
2. THE TOWN SHALL BE NOTIFIED IN WRITING AT LEAST 2 DAYS IN ADVANCE OF THE PRE-CONSTRUCTION MEETING BETWEEN THE CONTRACTOR AND THE ENGINEER.

APPROVAL DATE _____
EXPIRATION DATE _____

CHAIRMAN

NOT FOR CONSTRUCTION

FILE PATH: \\Project\Goodwin_College				PROJECT NO.: <u>1570-32</u>
				DESIGNED BY: <u>GBS/JAS</u>
				DRAWN BY: <u>JAS</u>
				SHEET CHK'D BY: <u>GBS</u>
				CROSS CHK'D BY:
				APPROVED BY: <u>GBS</u>
REV. NO.	DATE	DRWN	CHKD	REMARKS
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PREPARED FOR:

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**SOUTH MEADOWS MULTI-USE
RECREATIONAL TRAIL
PHASE II
EAST HARTFORD, CT**

PHASE II SITE DETAILS

SHEET NO.

CE-5