CONSTRUCTION PLANS

FARMINGTON CANAL HERITAGE GREENWAY

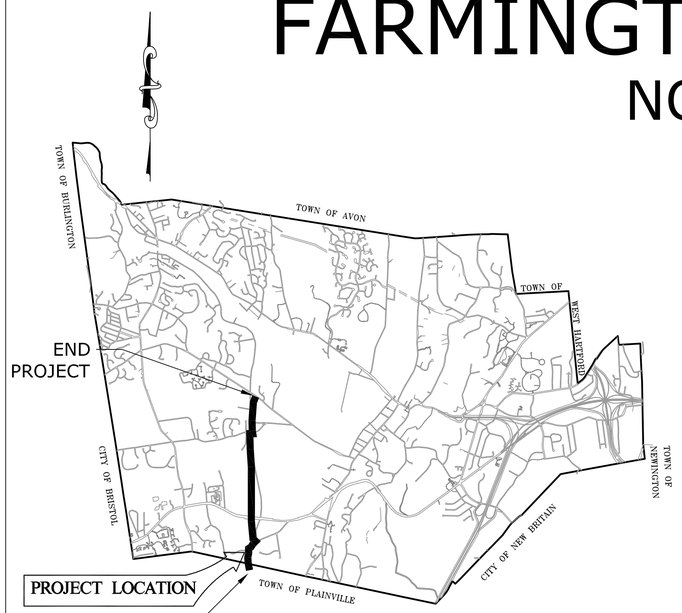
NORTHWEST DRIVE TO RED OAK HILL

Farmington, Connecticut

State Project No. 51-268

Federal Project No. PEDS(167)

Bid No. 234



LOCATION MAP

SCALE: 1"=5000FT

STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 816 SHALL GOVERN, INCLUDING ALL SUPPLEMENTS (JULY 2015 OR LATEST REVISION)

2016

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State Project Number 51-268
Federal-Aid Project No. PEDS(167)

STORMWATER POLLUTION CONTROL PLAN SET

Director of Public Works/Town Engineer: Russell M. Arnold, Jr., P.E.

RUSSELL M. ARNOLD JR., P.E.
DIRECTOR/TOWN ENGINEER
LICENSE #20886

DATE

*See sheet S-1 for PE stamp associated with structural components

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CONSTRUCTION NOTES:

1. THE CONTRACTOR IS TO CONTACT "CALL BEFORE YOU DIG" AT 811, 72-HOURS BEFORE COMMENCING WORK.
2. ALL CONSTRUCTION SHALL ADHERE TO THE STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES AND INCIDENTAL CONSTRUCTION FORM 816, INCLUDING THE JULY 2015 SUPPLEMENT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY.
4. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND TOWN OF FARMINGTON/CONNDOT REQUIREMENTS.
5. HANDICAP ACCESSIBLE ROUTES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT.
6. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (PAVEMENTS, WALKS, ETC.) SHALL RECEIVE FOUR INCHES LOAM AND SEED.
7. THE CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE NOTIFICATIONS AND/OR PERMITS.
8. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
9. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE BASED ON LIMITED FIELD LOCATION AND HAVE BEEN COMPILED FROM AVAILABLE MAPPING. THEREFORE ALL UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE TOWN OF FARMINGTON OR ITS REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
10. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE TOWN OF FARMINGTON'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT.
11. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SAID SERVICE AND SHALL NOT CEASE THIS WORK OPERATION UNTIL SAID SERVICE IS RESTORED.
12. RIM ELEVATIONS OF PROPOSED DRAINAGE AND SANITARY SEWER MANHOLES AND ASSOCIATED STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, GAS GATES AND OTHER UTILITIES TO FINISHED GRADE WITHIN LIMITS OF WORK.
13. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS DEPICT FINISHED GRADE.
14. REMOVAL AND DISPOSAL OF ALL EXISTING DRAINAGE STRUCTURES, PIPES, AND APPURTENANCES WITHIN THE ROADWAY LIMITS, SHALL BE PAID FOR AS ITEM NO. 1403607A - REMOVAL OF EXISTING DRAINAGE SYSTEM.
15. CONTRACTOR SHALL PROTECT ALL STRUCTURES, EQUIPMENT, PIPING AND VALVES FROM DAMAGE DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED TO THE COMPLETE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE TOWN OF FARMINGTON.
16. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL RAILROAD MONUMENTS THROUGHOUT THE CONSTRUCTION PROCESS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL DETAILING MEANS OF ENCASIGN AND PROTECTING EXISTING RAILROAD MONUMENTS ENCOUNTERED WITHIN THE PROJECT LIMITS.
17. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
18. NO LOGS, BRUSH, OR WOOD CHIPS SHALL BE DISPOSED OF IN WETLAND AREAS AND/OR BEYOND THE LIMITS OF DISTURBANCE.
19. ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR STORAGE AREA WITH IN IMPERVIOUS FLOOR DURING NON-WORKING HOURS. ALL MATERIALS ARE TO BE STORED OUTSIDE OF THE 100-YEAR FLOODPLAIN AND FLOODWAY.
20. THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE EXECUTION OF WORK.
21. AN ENCROACHMENT PERMIT WILL BE REQUIRED FOR ALL WORK IN THE VICINITY OF ROUTE 6, INCLUDING, BUT NOT LIMITED TO THE ERECTION OF THE PEDESTRIAN BRIDGE AND RELATED APPURTENANCES.
22. BASE PLAN:
    - A. THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BY THE TOWN OF FARMINGTON, IN APRIL 2014.
    - B. THE THE PROPERTY LINES DEPICTED WERE COMPILED FROM AVAILABLE MAPPING AND LIMITED FIELD LOCATION.
    - C. THE SURVEY BASELINE CONFORMS TO A CLASS A-2 AND IS APPROXIMATED TO NAD 83.
    - D. THE VERTICAL DATUM IS NGVD 1929.
    - E. UNDERGROUND UTILITIES DEPICTED HEREON ARE APPROXIMATE AND ARE BASED UPON LIMITED FIELD LOCATION AND WERE COMPILED FROM AVAILABLE MAPPING, ALL CONTRACTORS SHALL CONTACT "CALL BEFORE YOU DIG" AT 811 PRIOR TO COMMENCEMENT OF WORK. ALL CONTRACTORS SHALL BE RESPONSIBLE TO FIELD VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK.

UTILITY TEST PIT DATA

TEST PIT #	TRAIL STATION	NORTHING	EASTING	GROUND ELEVATION	TOP OF PIPE ELEVATION	UTILITY DESCRIPTION
G-1	9+18	822627	969203	239.85	237.15	GAS
G-2	94+62	822872	969199	241.61	239.21	GAS
G-3	96+85	823093	969199	241.82	239.22	GAS
G-4	99+60	823367	969193	239.74	239.21	GAS
G-5	104+85	823841	969190	235.11	237.15	GAS
T-4	92+88	822696	969180	238.47	235.97	AT&T
T-5	93+91	822799	969180	239.49	237.19	AT&T
T-6	94+88	822897	969181	240.01	237.31	AT&T
T-7	95+97	823006	969182	240.96	237.96	AT&T
T-8	97+00	823109	969182	240.82	237.82	AT&T
T-9	97+00	823208	969183	240.91	238.11	AT&T
T-10	98+98	823306	969185	240.56	237.76	AT&T
T-11	99+63	823370	969185	240.05	236.95	AT&T
T-12	101+38	823495	969186	238.63	235.33	AT&T
T-13	101+90	83545	969186	237.55	234.55	AT&T
T-14	102+93	823648	969186	236.38	233.18	AT&T
T-15	103+85	823743	969186	235.37	232.17	AT&T
T-16	104+85	823843	969185	234.29	231.09	AT&T
T-17	106+0	823954	969186	236.14	233.14	AT&T
T-18	106+95	824051	969186	237.28	234.58	AT&T
T-19	107+90	824146	969184	237.53	235.03	AT&T

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. PRIOR TO STARTING ANY WORK ON THE PROJECT, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL COORDINATE PROPOSED LOCATION(S) OF ANTI-TRACKING PAD(S) WITH THE TOWN ENGINEER.
3. THE CONTRACTOR MUST INSPECT AND MAINTAIN EROSION CONTROL MEASURES AND REMOVE SEDIMENT THERE FROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE SPECIFICATIONS.
4. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE CONSTRUCTION AREA AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
5. CONTRACTOR SHALL CONTROL STORM WATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO AREAS BEYOND THE PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO THE TOWN OF FARMINGTON.
6. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
7. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MAXIMUM OF 1-MONTH BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
8. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE SYSTEM.
9. CONTRACTOR SHALL INSTALL SOIL AND EROSION CONTROLS AROUND CATCH BASINS COLLECTING RUNOFF FROM THE CONSTRUCTION SITE.

STORMWATER POLLUTION CONTROL INFORMATION:

1. THE PROPOSED CONSTRUCTION ACTIVITY GENERALLY INCLUDES CONVERTING AN EXISTING RAILROAD RIGHT OF WAY INTO A PAVED PUBLIC MULTI-USE TRAIL.
2. THE ESTIMATED TOTAL AREA OF THE SITE IS 20.3 AC. THE ESTIMATED DISTURBANCE IS APPROXIMATELY 8.0 AC.
3. THE ESTIMATED AVERAGE RUNOFF COEFFICIENT OF THE SITE AFTER CONSTRUCTION IS COMPLETE IS 0.11.
4. THE SOUTHERN PORTION OF THE SITE DRAINS INTO SCOTT SWAMP BROOK, DRAINING INTO THE PEQUABUCK RIVER AND ULTIMATELY LEADS TO THE FARMINGTON RIVER.
5. THE NORTHERN PORTION OF THE SITE DRAINS INTO THE PEQUABUCK RIVER AND ULTIMATELY LEADS INTO THE FARMINGTON RIVER.
6. THERE ARE NO WETLAND IMPACTS ON THE PROJECT.
7. AS PART OF THE STORMWATER PERMIT, THE SITE SHALL BE PHASED TO AVOID A DISTURBANCE OF OVER 5 AC AT ONE TIME.

GENERAL CONSTRUCTION SEQUENCING:

1. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS.
2. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH DOT PERSONNEL, TOWN STAFF, EFFECTED UTILITY COMPANIES, DEEP, AND THE CONTRACTOR'S FORMAN SCHEDULED TO OVERSEE THIS PROJECT. THE CONTRACTOR SHALL ASSIGN ONE PERSON THAT WILL BE PLACED IN CHARGE OF SEDIMENT AND EROSION CONTROL FOR THE ENTIRE SITE.
3. THE CONTRACTOR SHALL SUBMIT TO THE TOWN ENGINEER, FOR A REVIEW AND APPROVAL, A SCHEDULE DETAILING THE SEQUENCE OF CONSTRUCTION OPERATIONS A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL STAKE THE CENTERLINE OF THE PROPOSED TRAIL AND LIMIT OF DISTURBANCE AT 50 FOOT INTERVALS, AND CONTACT THE TOWN ENGINEER AT LEAST TWO WEEKS PRIOR TO CLEARING OPERATIONS AND/OR CONSTRUCTION OPERATIONS. AT THAT TIME, THE TOWN ENGINEER WILL WALK THE TRAIL WITH THE CONTRACTOR AND IDENTIFY VEGETATION TO BE SAVED. SEE 'CLEARING LIMITS' DETAIL, AND SPECIAL PROVISIONS FOR 'CLEARING AND GRUBBING'.
5. CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AND INSTALL STABILIZED CONSTRUCTION ENTRANCES, AS SHOWN ON THE PLANS.
6. CONTRACTOR TO INSTALL PROTECTIVE FENCING AROUND ENDANGERED PLANT SPECIES AS SHOWN AS CONSTRUCTION FENCE ON THE PLANS.
7. CLEAR AND GRUB A REASONABLE PORTION OF THE SITE, STRIP AND STOCKPILE TOPSOIL, PLACE EROSION CONTROLS AROUND STOCKPILES.
8. INITIATE CONSTRUCTION ACTIVITIES.
9. SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL, BEFORE PAVING OCCURS. STABILIZE ALL SLOPES IMMEDIATELY AFTER THEIR ESTABLISHMENT.
10. THE SITE SHALL BE KEPT NEAT AND CLEAN, FREE OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING ROADWAYS AND DRIVEWAYS DURING CONSTRUCTION WITH BRIEF OR PARTIAL CLOSURES ALLOWED FOR FINAL PAVING OR OTHER RESTRICTING ACTIVITIES. THE CLOSURE OF ROADS AND/OR DRIVEWAYS TO VEHICULAR TRAFFIC SHALL BE COORDINATED WITH THE TOWN ENGINEERING AND THE EFFECTED LANDOWNERS PRIOR TO THE COMMENCEMENT OF SUCH WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TOWN ENGINEER AND LAND OWNERS WHENEVER THERE ARE CHANGES TO THE WORK SCHEDULE EFFECTING EXISTING ROADWAYS AND DRIVEWAYS.
12. THE CONTRACTOR SHALL STAGE ALL WORK TO MINIMIZE TO THE GREATEST EXTENT POSSIBLE, THE CLOSURE OF COMMERCIAL DRIVEWAYS. WORK THAT LIMITS ACCESS TO COMMERCIAL DRIVEWAYS SHALL BE DONE AS NIGHT OR WEEKEND WORK. THE CONTRACTOR SHALL COORDINATE ALL WORK IN THE VICINITY OF COMMERCIAL DRIVEWAYS WITH THE INDIVIDUAL BUSINESS OWNER.

ABBREVIATIONS:

ACR	ACCESSIBLE CURB RAMP
APPROX	APPROXIMATE
B.C.L.C.	BITUMINOUS CONCRETE LIP CURB
BIT	BITUMINOUS
BS	BOTTOM OF SLOPE
BWL	BROKEN WHITE LINE
BYL	BROKEN YELLOW LINE
℄	BASELINE
℄	CENTERLINE
CB	CATCH BASIN
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DYL	DOUBLE YELLOW LINE
DYCL	DOUBLE YELLOW CENTERLINE
ELEV	ELEVATION
EXIST	EXISTING
LT	LEFT
PROP	PROPOSED
MIN	MINIMUM
MAX	MAXIMUM
NTS	NOT TO SCALE
O.C.	ON CENTERS
P.C.	POINT OF CURVATURE
P.T.	POINT OF TANGENCY
REM	REMOVE
R.O.W.	RIGHT OF WAY
RT	RIGHT
R&R	REMOVE AND RELOCATE
R&D	REMOVE AND DISPOSE
S.C.S,	SEDIMENTATION CONTROL SYSTEM
STA	STATION
SWL	SINGLE WHITE LINE
SYL	SINGLE YELLOW LINE
SWK	SIDEWALK
TS	TOP OF SLOPE
TYP	TYPICAL

UTILITIES

CB	CATCH BASIN
CIP	CAST IRON PIPE
COND	CONDUIT
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
DIP	DUCTILE IRON PIPE
DMH	DRAIN MANHOLE
FES	FLARED END SECTION
GG	GAS GATE
HDPE PIPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
HYD	HYDRANT
INV	INVERT
MH	MANHOLE
PVC	POLYVINALCHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
SMH	SEWER MANHOLE
TF	TOP OF FRAME
UP	UTILITY POLE
WG	WATER GATE

LEGEND:

EXISTING		PROPOSED
	PROPERTY LINE	
	HIGHWAY LINE	
Iron Pipe Found / Concrete Monument Found	IRON PIPE	
	STONE MONUMENT	
	CONTOUR	
CUT/FILL	CUT/FILL	CUT FILL
CURB	CURB	
	STONEWALL	
"CL"	UTILITY POLE	
	UTILITY POLE GUY WIRE	
	HYDRANT	
GAS GAS	GAS	
WG	WATER GATE	
SANITARY SEWER	SANITARY SEWER	
	SANITARY MANHOLE	
	STORM DRAINAGE	
	CB	
	EDGE OF TRAIL	
	CHANNEL ENCROACHMENT	
	TRAFFIC SIGN	
tree	TREE	
	HYDRANT	
	VALVE	

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REVISIONS	SHEET NO.	REV.	DATE

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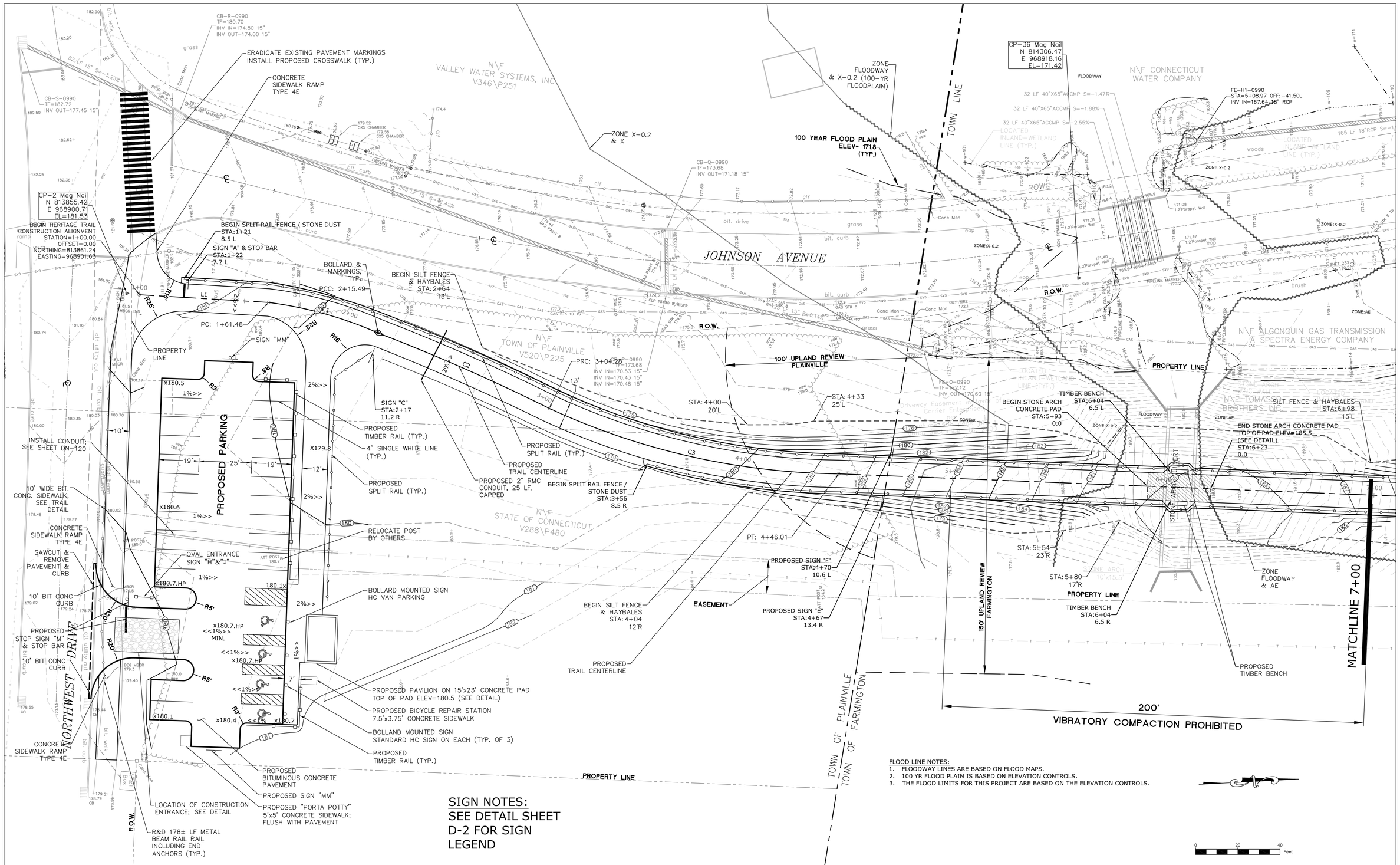
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER:
DRAFTER:
CHK: DATE:
APPROVED:

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: GENERAL NOTES
DRAWING DATE: 1/12/16
HOR. SCALE: AS NOTED
VER. SCALE: AS NOTED
SHEET NO. N-1



051-268 Design.dwg

1/4/2016

REVISIONS	SHEET NO.	REV.	DATE

TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 00+00 - 7+00
DRAWING DATE: 2/1/2016
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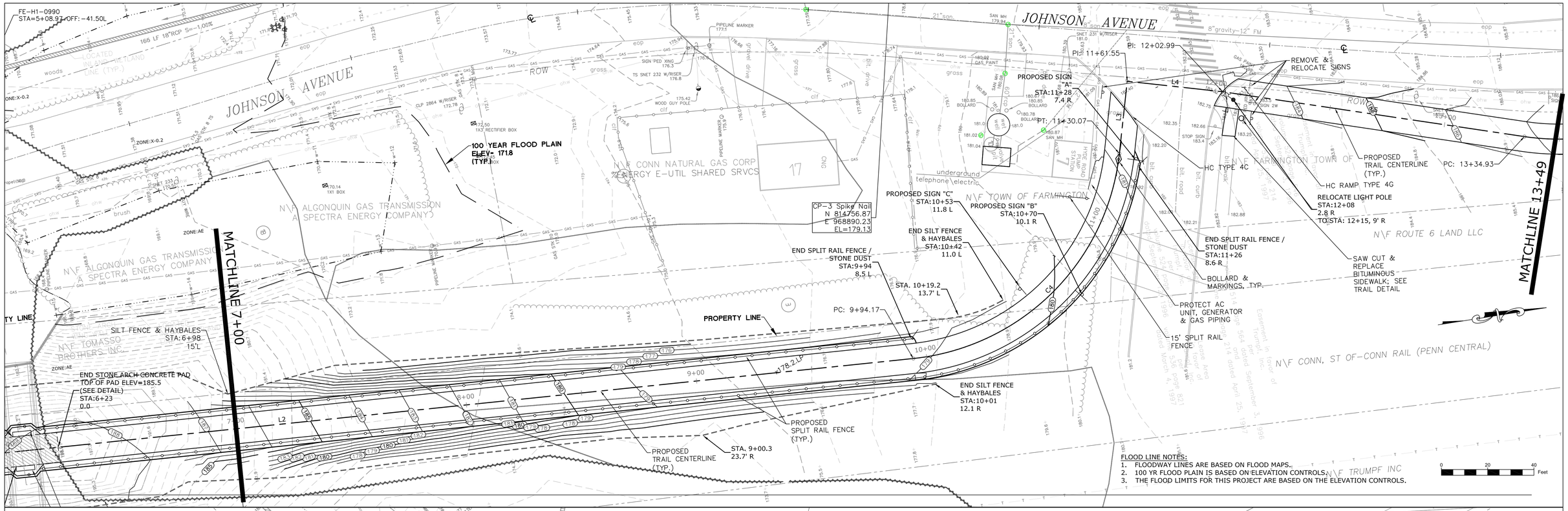
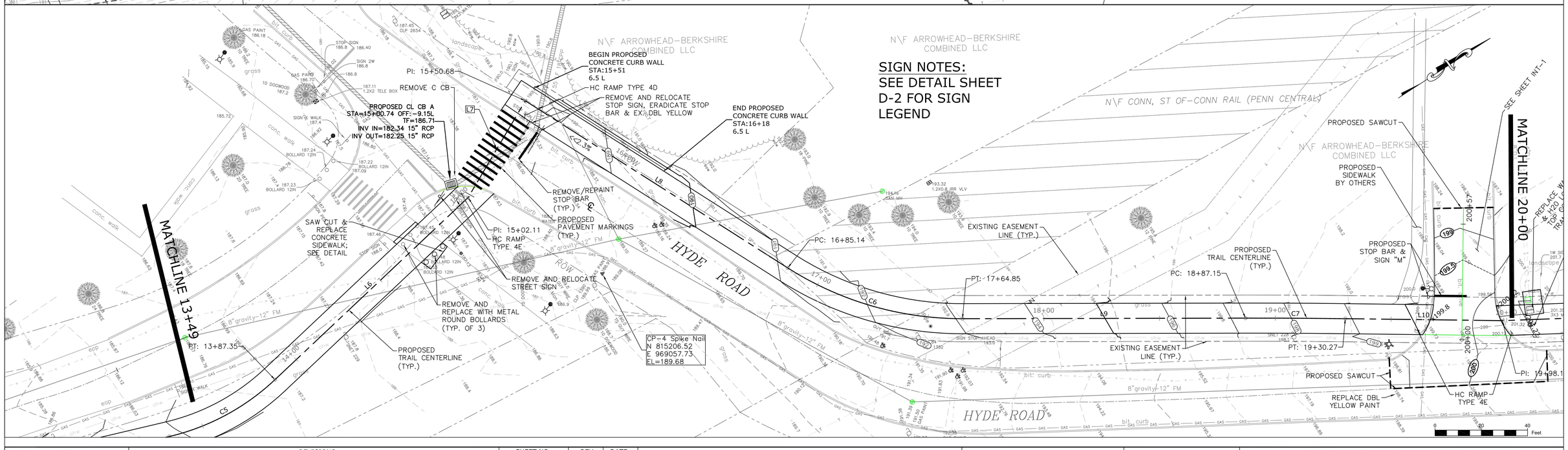
VER. SCALE: N/A
SHEET NO. C-1

051-268 Design.dwg

1/4/2016





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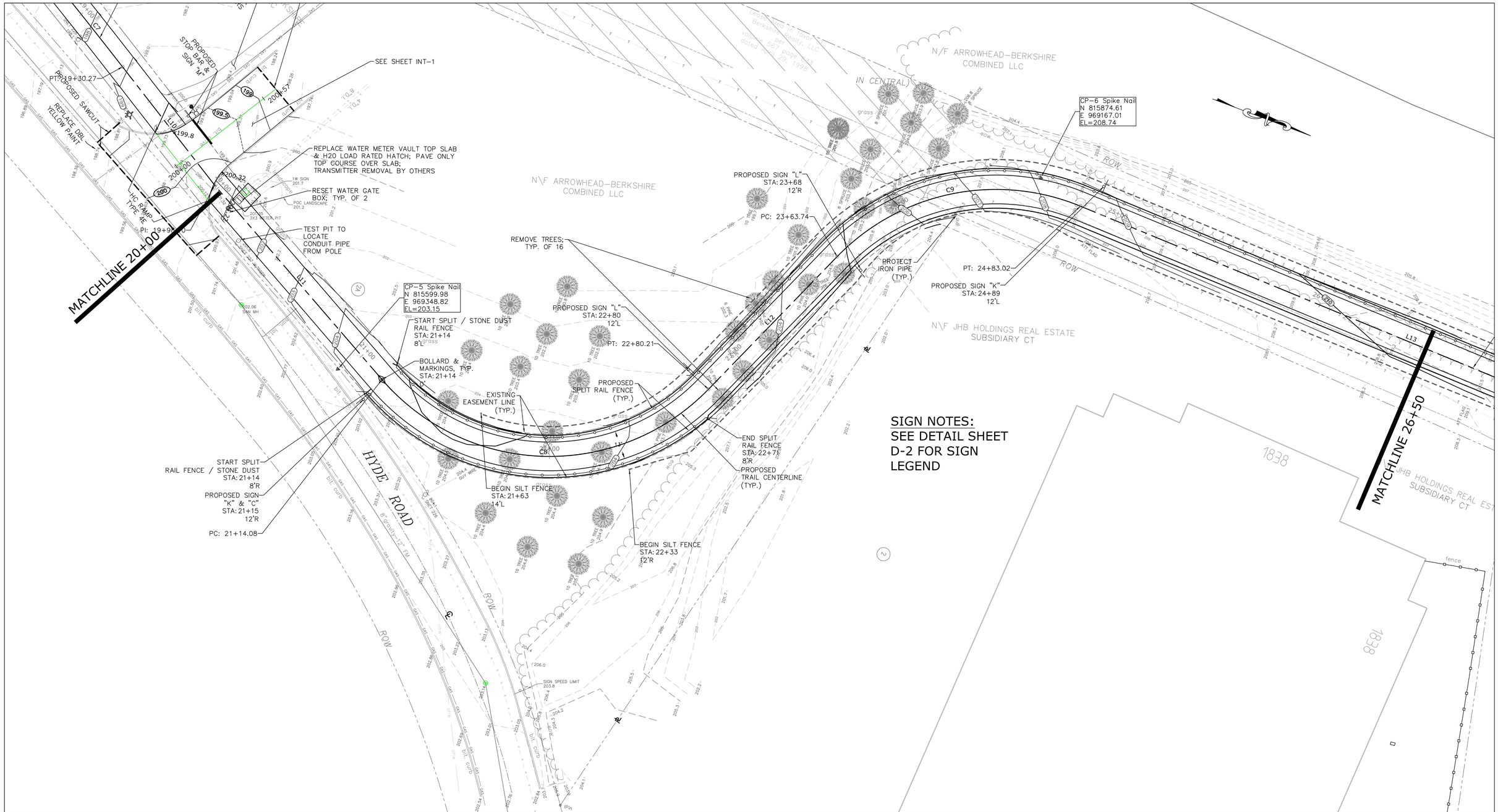
DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 7+00 - 20+00
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-2



SIGN NOTES:
SEE DETAIL SHEET D-2 FOR SIGN LEGEND

0 20 40 Feet

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1/4/2016

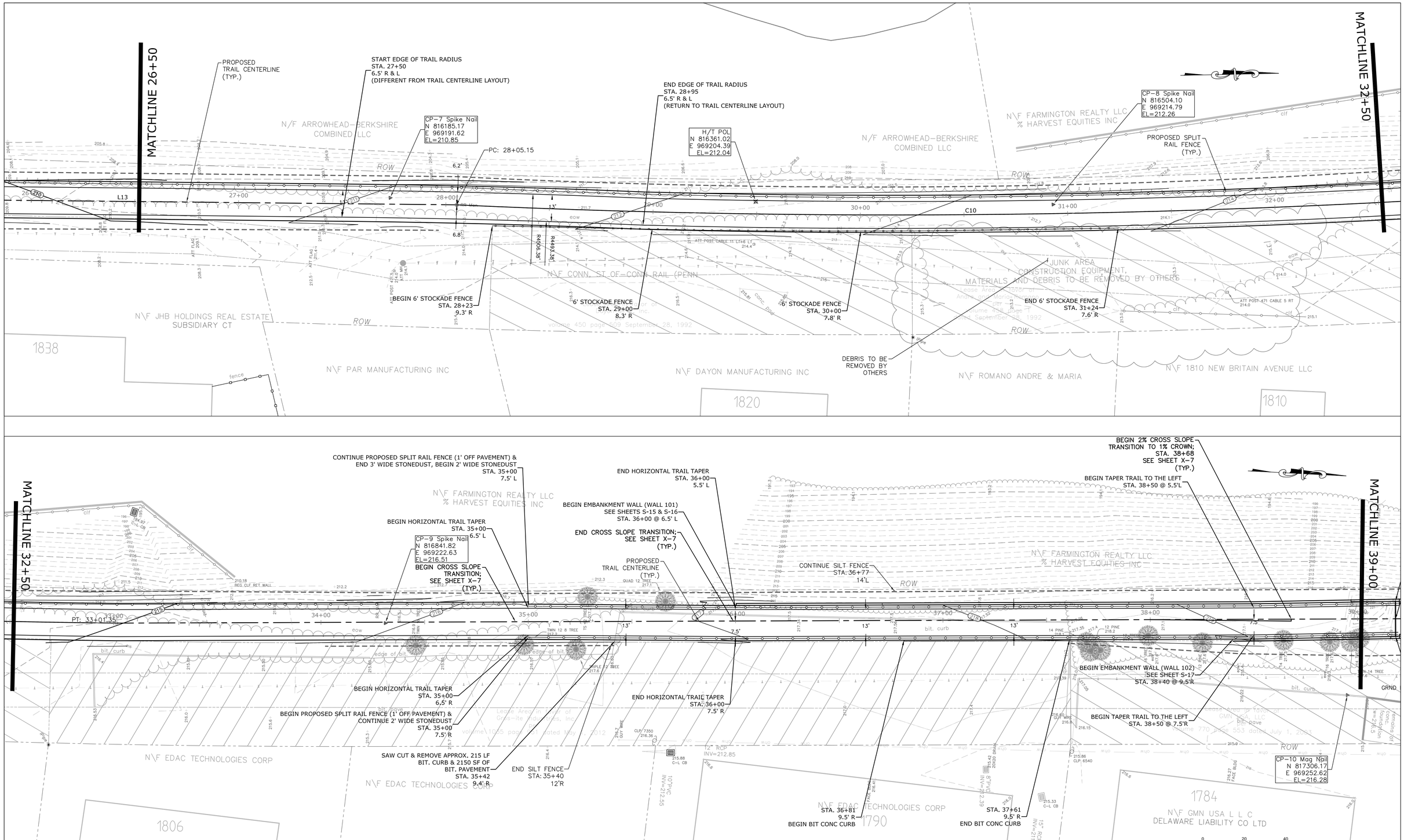
REVISIONS	SHEET NO.	REV.	DATE

TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 20+00 - 26+50
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-3



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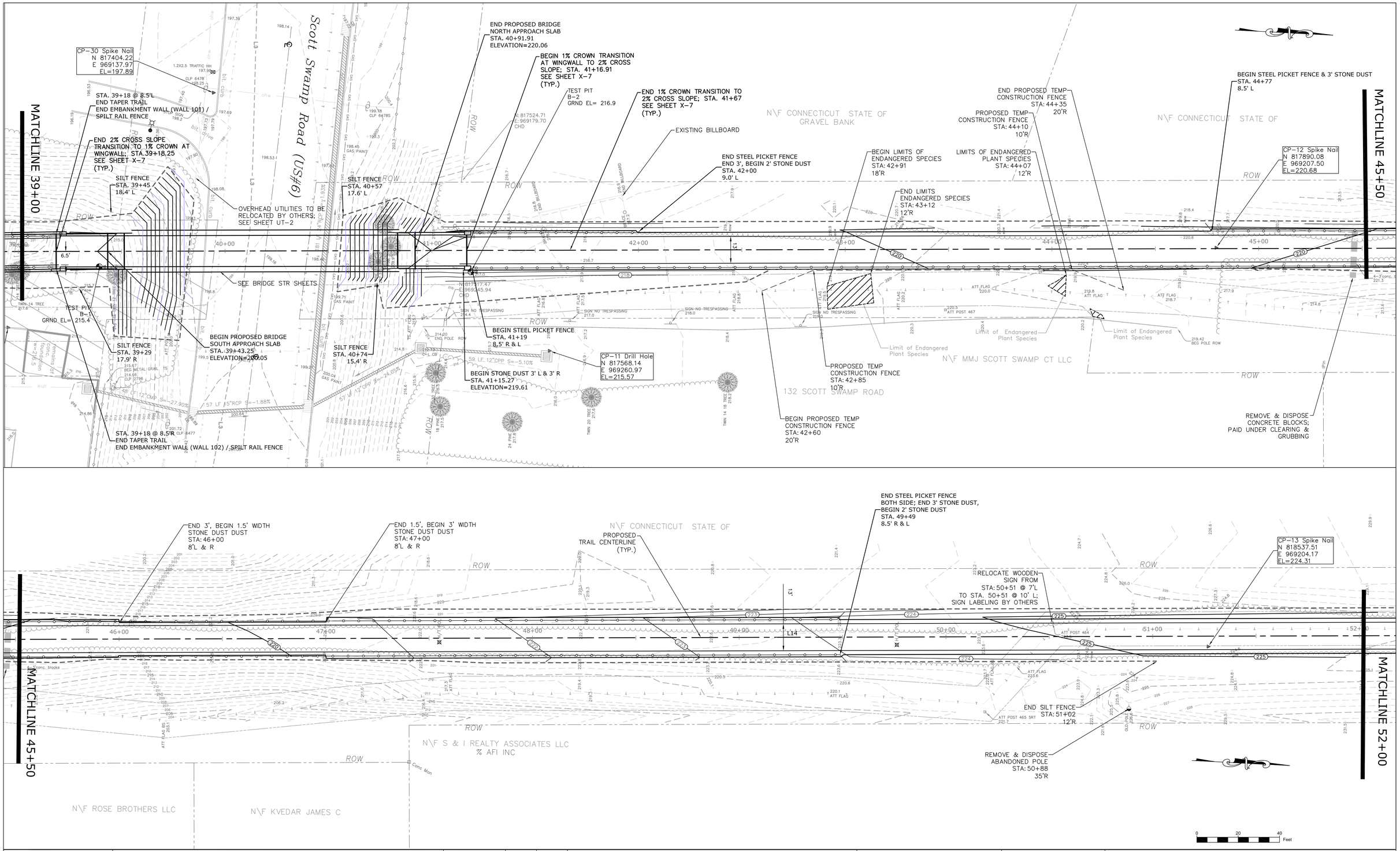
TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 26+50 - 39+00
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-4



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TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU

DRAFTER: FLY

CHK: MCB DATE: 2/1/2016

APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY

PROJECT NO. :

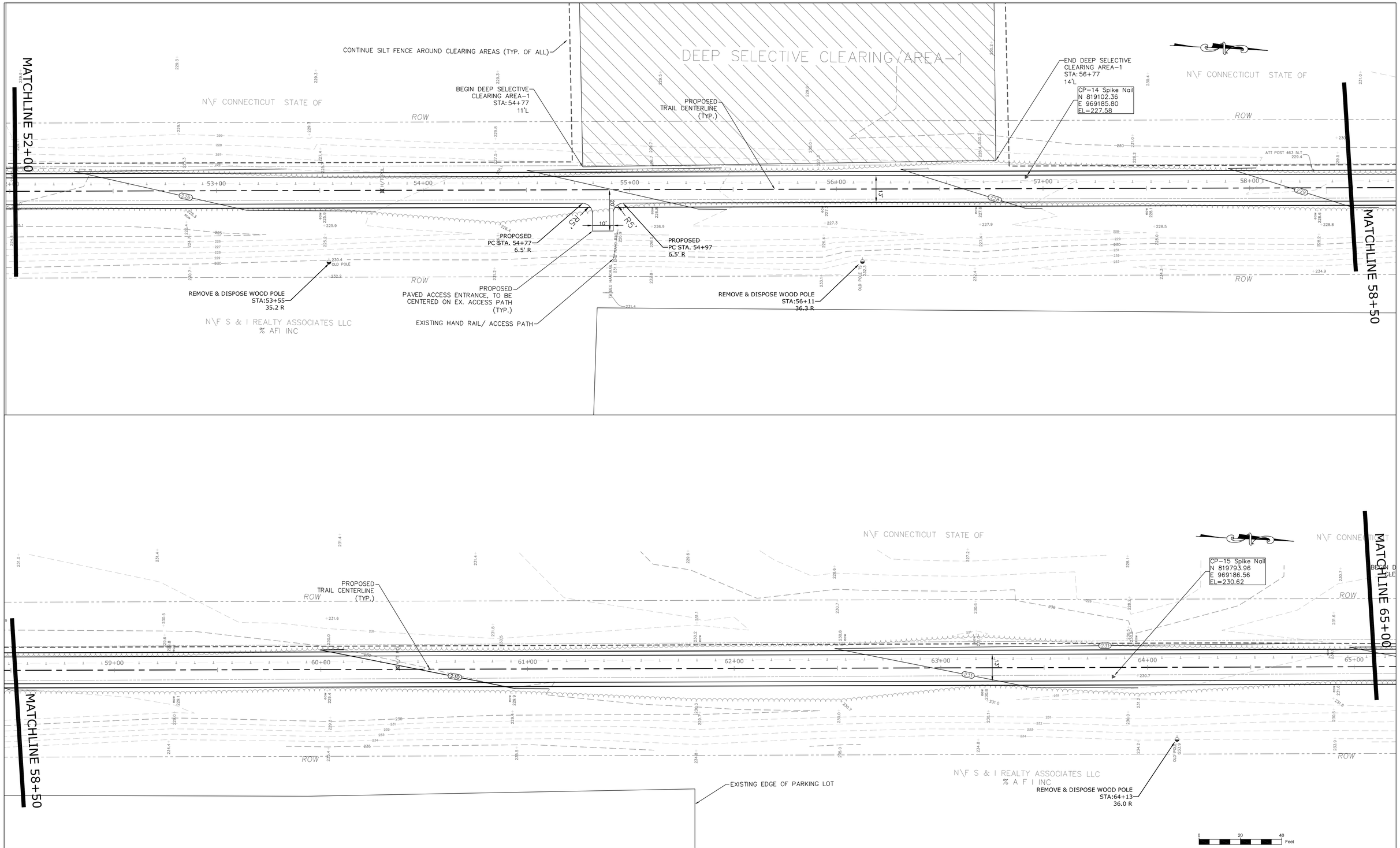
DRAWING TITLE: CONSTRUCTION PLAN
STATION 39+00 - 52+00

DRAWING DATE: 2/1/2016

HOR. SCALE: 1"=20'

VER. SCALE: N/A

SHEET NO. C-5



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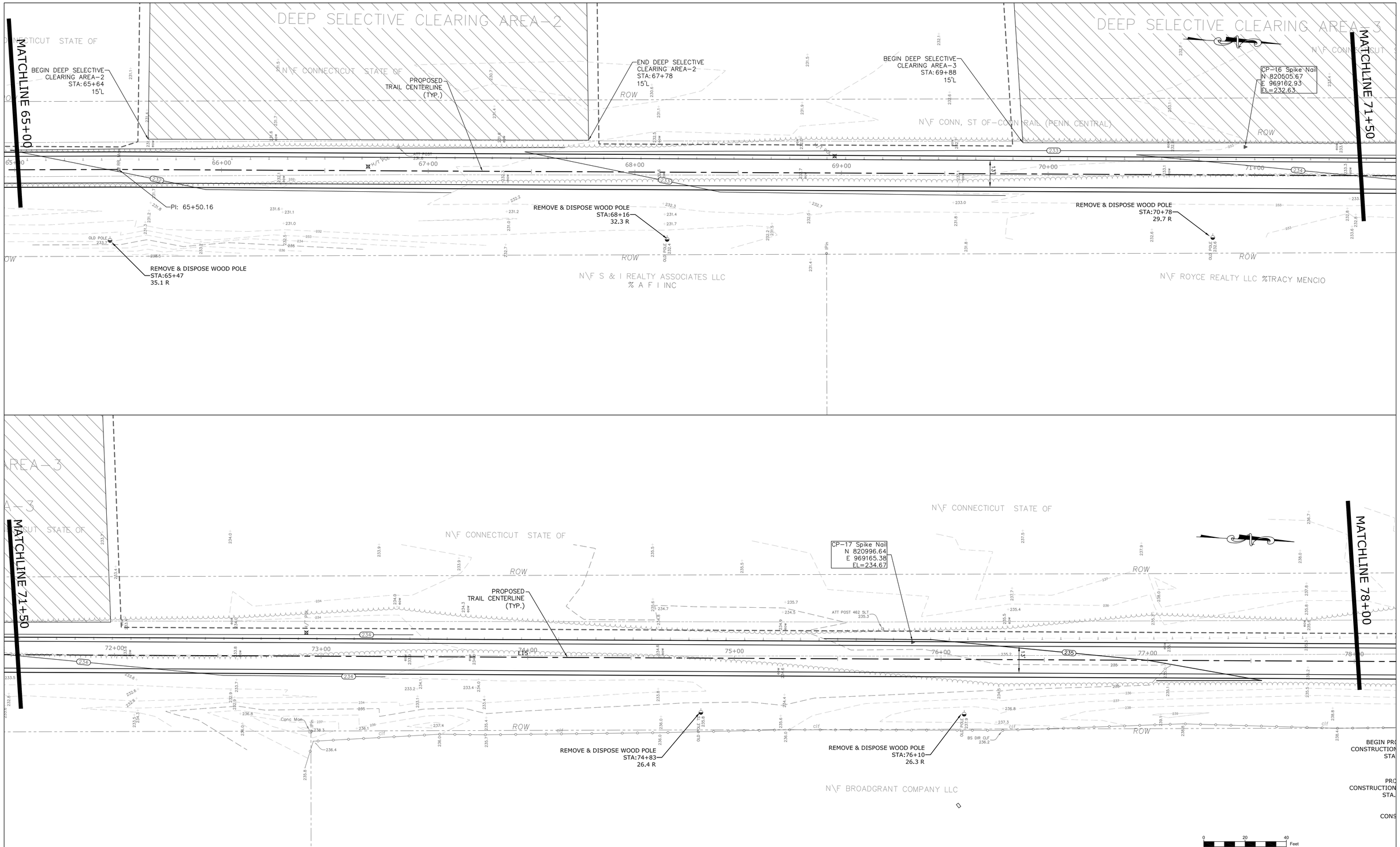
TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB
DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 52+00 - 65+00
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-6



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REVISIONS	SHEET NO.	REV.	DATE

TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 65+00 - 78+00
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-7

SIGN NOTES:
SEE DETAIL SHEET
D-2 FOR SIGN
LEGEND

MATCHLINE 78+00

MATCHLINE 84+50

RAILROAD WHISTLE MONUMENT

N\F CONNECTICUT STATE OF

N\F VIOLETTE LANCE E

PROPOSED TRAIL CENTERLINE (TYP.)

CP-18 Spike Nail
N 821588.20
E 969185.71
EL=235.85

PC: 82+45.29

PT: 83+68.42

REMOVE & DISPOSE WOOD POLE
STA:81+26
28.4 R

BEGIN PROPOSED CONSTRUCTION FENCE
STA. 78+45
13.4' R

PROPOSED CONSTRUCTION FENCE
STA. 78+50
8.5' R

PROPOSED CONSTRUCTION FENCE
STA. 78+65
8.5' R

END PROPOSED CONSTRUCTION FENCE
STA. 78+70
13.5' R

N\F 1450 NEW BRITAIN AV LLC
& RICHARD FAITELLA

PARKING AREA

1450

NEW BRITAIN AVENUE

CB-29-1320
INV OUT=231.91 15" RCP
29 LF 15"RCP S=-1.68%

CB-30-132
TF=235.7
INV IN=231.69 15" CMP
INV IN=231.44 15" RCP

MATCHLINE 84+50

MATCHLINE 91+00

END SPLIT RAIL FENCE / STONE DUST
STA. 85+97 9.0' L

BEGIN SAW CUT
STA: 86+09 11'L

BEGIN SPLIT RAIL FENCE;
BEGIN 3' STONE DUST
STA. 85+47
8.5' L & R

END SPLIT RAIL FENCE /
STONE DUST
STA. 85+99
8.0' R

END SAW CUT
STA: 86+37 12'L

CP-19 Iron Pin
N 822112.20
E 969207.50
EL=237.73

RELOCATE BUSINESS SIGN
TO STA: 86+48 14'L

HC RAMP; TYPE 4E

PT: 86+66.40

BOLLARD &
MARKINGS (TYP.)
STA. 85+99

PROPOSED C CB-1
STA=0+70.60 OFF:15' L
TF=236.88
INV. OUT=232.43

REMOVE EX CB

PROPOSED TRAIL CENTERLINE (TYP.)

STATION 0+00 END
BCLC TAPER TO NEW
ALIGNMENT (TYP.)

PROPOSED 5'
GRASSED SNOW
SHELF
(TYP.)

PROPOSED
NEW BRITAIN AVENUE
CENTERLINE (TYP.)

CB-31-1320
TF=236.78
INV OUT=232.43 15" RCP

PC: 85+98.78

REMOVE & DISPOSE
ABANDONED POLE
STA. 85+45
16.4' R

EXTEND SWALE,
GRADE TO DRAIN

PROPOSED BITUMINOUS
CONCRETE DRIVEWAY
(TYP.)

RELOCATE MAIL BOX
TO STA: 86+54
10'R

PROPOSED SIGN "A"
TO STA: 85+97 11'R

LOCATION OF CONSTRUCTION
ENTRANCE; SEE DETAIL

HC RAMP; TYPE 4E

BEGIN REMOVE & DISPOSE
OF EX. BCLC. INSTALL NEW
BIT CURB TO TAPER TO
EXISTING (TYP.)

NEW BRITAIN AVENUE

PROPOSED
SAWCUT, MILL &
OVERLAY TO MATCH
EXISTING PAVEMENT

BEGIN PROPOSED
NEW BRITAIN AVENUE
FULL DEPTH & RE-ALIGNMENT
BEGIN BCLC, MATCH EXISTING EOP
CENTERLINE STATION=0+00.00
NORTHING=822216.88
EASTING=969227.41

BEGIN SAW CUT TO
REPLACE DRIVEWAY APRON
STA: 0+64 25'R

RESET CL CB
STA=0+70.89 OFF:18.98R
RESET TF=236.88 EXISTING
TO TF=237.04

C-L CB-32-1320
TF=236.88
INV IN=232.03 15" CMP
INV IN=232.23 15" RCP
INV OUT=232.13 15" CMP

BEGIN BCLC
STA: 0+99
15'R

END SAW CUT TO
REPLACE DRIVEWAY APRON
STA: 0+92 25'R

BEGIN SAW CUT TO
REPLACE DRIVEWAY APRON
STA: 2+34 27'R

END SAW CUT TO
REPLACE DRIVEWAY APRON
STA: 2+59 27'R

END SAW CUT
STA: 86+63
16'R

BEGIN SAW CUT
STA: 85+91
32'R

N\F FIP CORPORATION

CB-30-1320
TF=235.74
231.69 15" CMP
231.44 15" RCP

PROPOS
STA=3+39.62 OF
T
INV IN=233.70
INV OUT=233.65

0 20 40 Feet

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1/4/2016

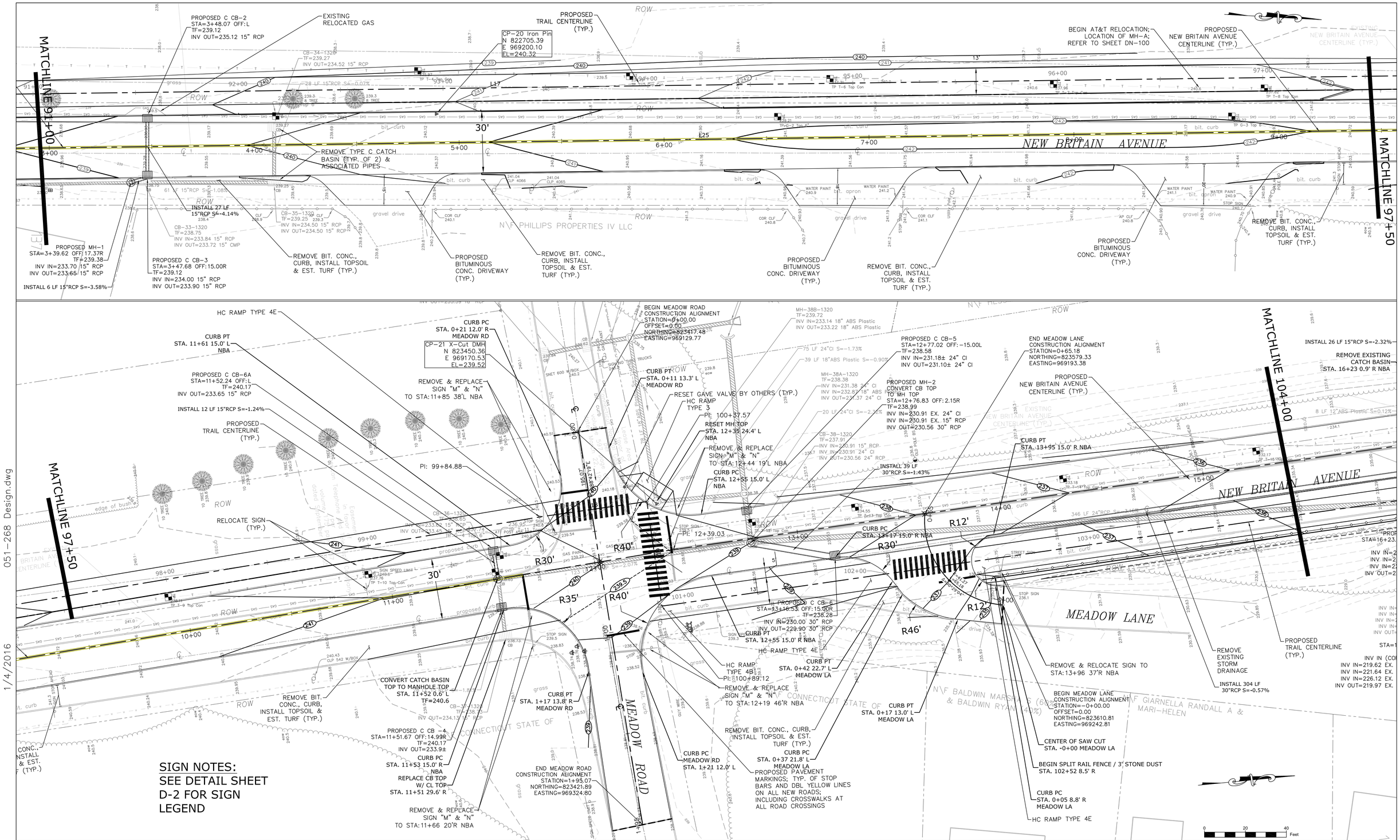
REVISIONS	SHEET NO.	REV.	DATE

TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN
STATION 78+00 - 91+00
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-8



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1/4/2016

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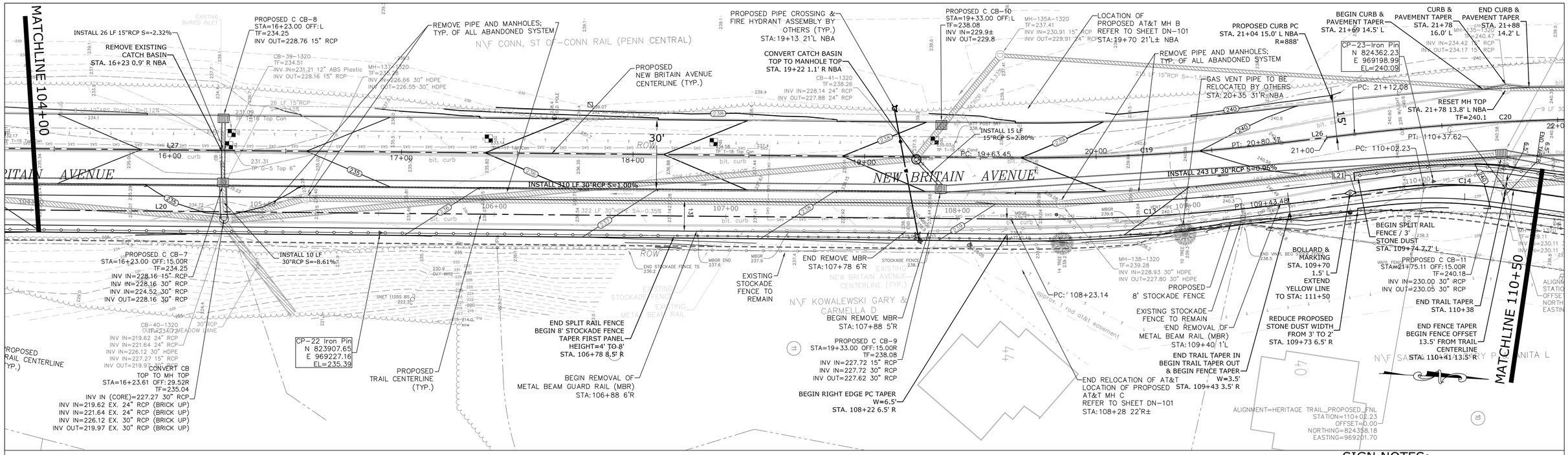
TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

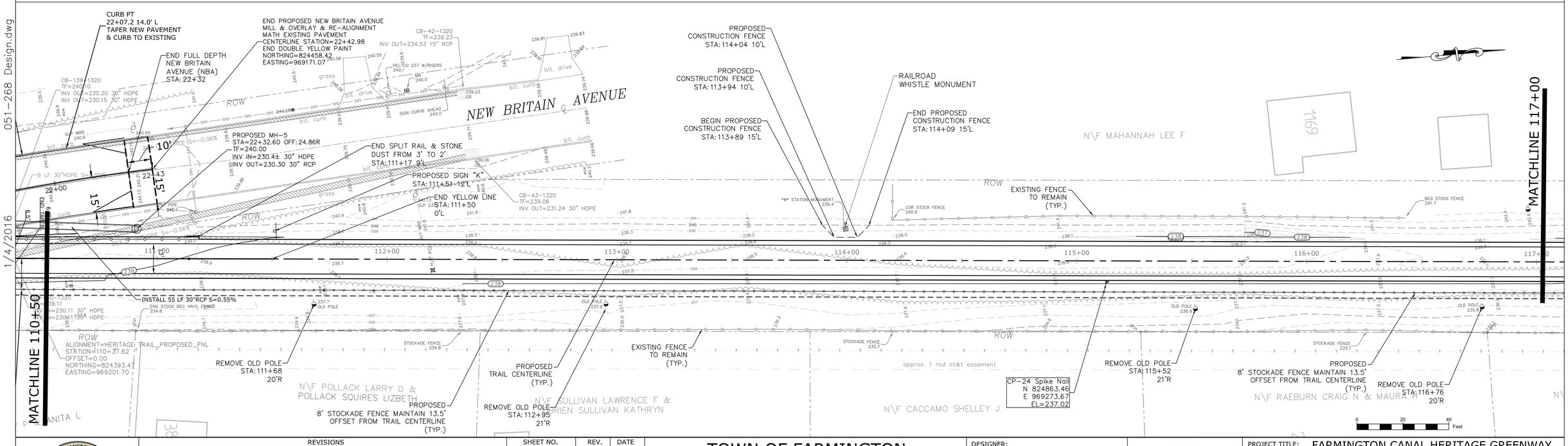
1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 91+00 - 104+00
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-9



SIGN NOTES:
SEE DETAIL SHEET D-2 FOR SIGN LEGEND



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1/4/2016

REVISIONS	SHEET NO.	REV.	DATE

TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 104+00 - 117+00
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-10

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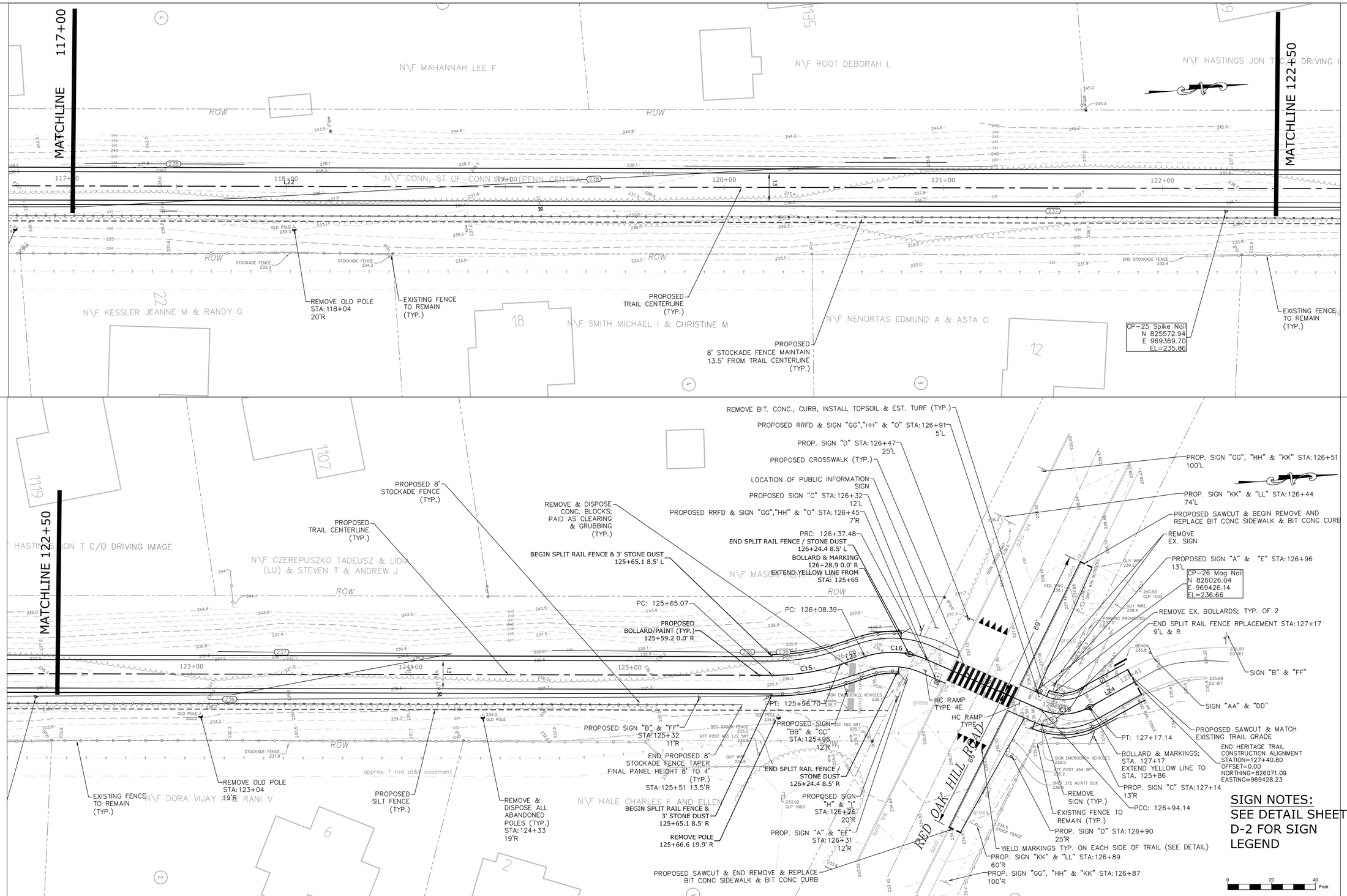
1/4/2016



SIGN NOTES:
SEE DETAIL SHEET D-2 FOR SIGN LEGEND

REVISIONS	SHEET NO.	REV.	DATE

TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER: MCB/JAU
DRAFTER: FLY
CHK: MCB DATE: 2/1/2016
APPROVED: RMA

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: CONSTRUCTION PLAN STATION 117+00 - 127+41
DRAWING DATE: 2/1/2016
HOR. SCALE: 1"=20'
VER. SCALE: N/A
SHEET NO. C-11

051-268-DETAILS.dwg

12/23/2013

SEDIMENT & EROSION CONTROL SPECIFICATIONS

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MOST RECENT EDITION OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

GENERAL:

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION, AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES, AND WATERBODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

LAND GRADING

GENERAL:

1. THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

   a. THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

   b. THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

   c. THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).

   d. PROVISION SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.

   e. EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING, OR CRACKING.

   f. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATERBODIES.

   g. PRIOR TO ANY REGRADING, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

TOPSOILING

GENERAL:

1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.
2. UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.
4. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
5. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST FOUR INCHES (4"), OR TO THE DEPTH SHOWN ON THE LANDSCAPING PLANS.

VEGETATIVE COVER

TEMPORARY AND PERMANANT VEGETATIVE COVER SHALL BE IN ADHERE TO THE STATE OF CONNECTICUT DOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES AND INCIDENTAL CONSTRUCTION FORM 816 AND ITS LATEST SUPPLEMENTS.

GENERAL:

1. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS BEEN COMPLETED, AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS. TEMPORARY VEGETATIVE COVER SHALL BE APPLIED IF AREAS WILL NOT BE PERMANENTLY SEEDED BY SEPTEMBER 1.

ESTABLISHMENT:

1. SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
2. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
3. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EQUIPMENT.
4. MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW.) APPLY STRAW OR HAY MULCH AND ANCHOR TO SLOPES GREATER THAN 3% OR WHERE NEEDED.

TURF ESTABLISHMENT:

1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
2. SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPEC. BELOW).
3. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
4. COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
6. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.
7. USE SOD WHERE THERE IS A HEAVY CONCENTRATION OF WATER AND IN CRITICAL AREAS WHERE IT IS IMPORTANT TO GET A QUICK VEGETATIVE COVER TO PREVENT EROSION.

RECOMMENDED PROTECTION STRATEGIES FOR TURTLES (PER DEEP):

1. SILT FENCING SHOULD BE INSTALLED AROUND THE WORK AREA PRIOR TO CONSTRUCTION, PLEASE AVOID EROSION CONTROL PRODUCTS THAT ARE EMBEDDED WITH NETTING AS THESE CAN BE FATAL TO WILDLIFE.
2. WHERE POSSIBLE, AVOID INSTALLING SEDIMENT AND EROSION CONTROL MATERIALS FROM LATE AUGUST THROUGH SEPTEMBER AND FROM MARCH THROUGH MID-MAY. THESE TWO TIME PERIODS ARE WHEN AMPHIBIANS AND REPTILES ARE MOST ACTIVE, MOVING TO AND FROM WETLANDS TO BREED.
3. AFTER SILT FENCING IS INSTALLED AND PRIOR TO CONSTRUCTION, A SWEEP OF THE WORK AREA SHOULD BE CONDUCTED TO LOOK FOR TURTLES.
4. WORKERS SHOULD BE APPRISED OF THE POSSIBLE PRESENCE OF TURTLES, AND PROVIDED A DESCRIPTION OF THE SPECIES SEE LINK (HTTP://WWW.CT.GOV/DEP/CWP/VIEW.ASP?A=2723&Q=473472&DEPNAV_GID=1655).
5. ANY TURTLES THAT AREA DISCOVERED SHOULD BE MOVED, UNHARMED, TO AN AREA IMMEDIATELY OUTSIDE OF THE FENCED AREA, AND POSITION IN THE SAME DIRECTION THAT IT WAS WALKING.
6. NO VEHICLES OR HEAVY MACHINERY SHOULD BE PARKED IN ANY TURTLE HABITAT
7. WORK CONDUCTED DURING EARLY MORNING AND EVENING HOURS SHOULD OCCUR WITH SPECIAL CARE NOT TO HARM BASKING OR FORAGING INDIVIDUALS.
8. ALL SILT FENCING SHOULD BE REMOVED AFTER WORK IS COMPLETED AND SOILS ARE STABLE AS THAT REPTILE AND AMPHIBIAN MOVEMENT BETWEEN UPLANDS AND WETLANDS IS NOT RESTRICTED.
9. STOCKPILES OF SOIL SHOULD BE CORDONED OFF WITH SILT FENCING SO TURTLES DO NOT ATTEMPT TO TRY AND NEST IN THEM.

EROSION CHECKS

GENERAL:

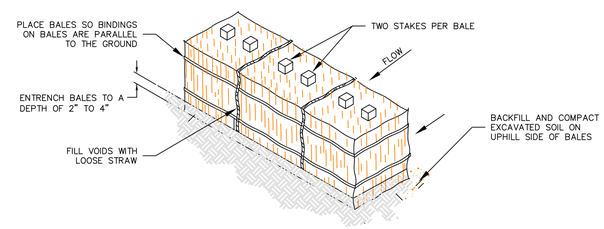
1. TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

CONSTRUCTION:

1. BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF FOUR INCHES (4") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').

INSTALLATION AND MAINTENANCE:

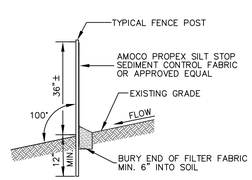
1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
4. INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.



1. IDEALLY, BALES SHOULD BE ENTRENCHED 2 TO 4 INCHES AND TIGHTLY BUTTED TOGETHER. BALES CAN BE SUCCESSFULLY PLACED WITHOUT A TRENCH IF GOOD GROUND CONTACT IS MADE. REMOVE HEAVY BRUSH AND FILL ALL VOIDS WITH LOOSE STRAW.
2. BALES SHALL BE ONLY USED AS A TEMPORARY BARRIER AND FOR NO LONGER THAN 60 DAYS.
3. WHEN SEDIMENTATION DEPOSITS REACH WITHIN 3" OF THE TOP OF BALES, REMOVE SEDIMENTATION OR ADD ADDITIONAL BALES ON SEDIMENTATION DIRECTLY BEHIND FIRST ROW OF BALES AS DIRECTED BY THE ENGINEER.
4. UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS AND WHEN DIRECTED BY THE ENGINEER, HAY BALES WILL BE REMOVED AND USED AS MULCH. ANY SEDIMENTATION WILL BE THINLY SPREAD UPON ESTABLISHED GROUND COVER.

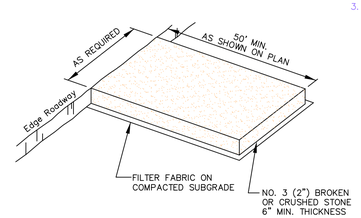
HAYBALE BARRIER PROTECTION (HB)

N.T.S.



SEDIMENT FILTER FENCE

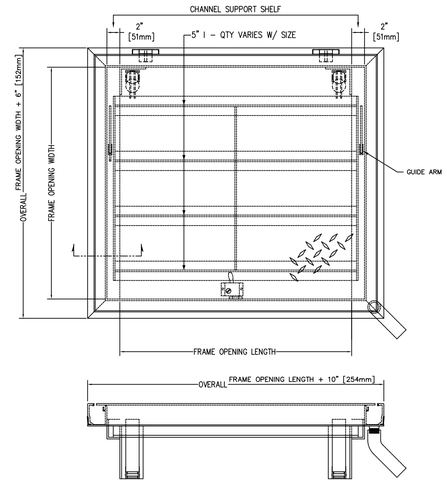
N.T.S.



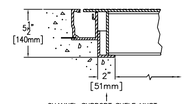
NOTE: CONSTRUCTION ENTRANCE PAD SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH PROMOTE VEHICULAR TRACKING OF MUD

CONSTRUCTION ENTRANCE

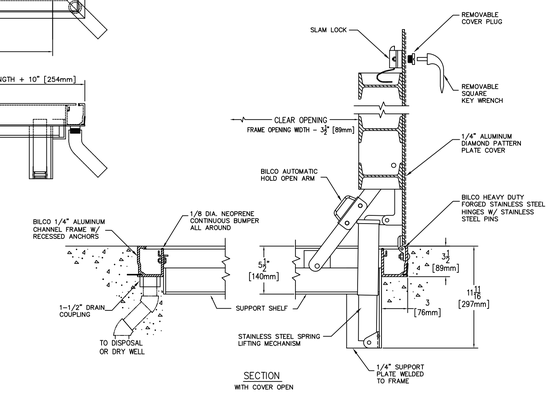
N.T.S.



BILCO
TYPE J-ALH20
SIDEWALK DOOR



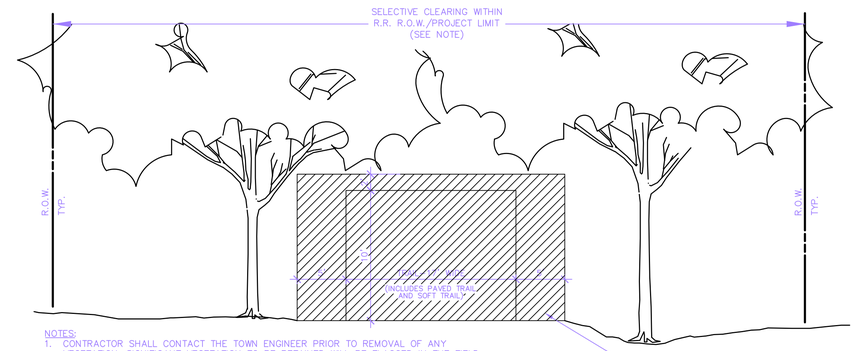
CHANNEL SUPPORT SHELF MUST BE SUPPORTED BY CONCRETE OR STEEL TO CARRY H-20 LOADING



SECTION
WITH COVER OPEN

WATER METER VAULT ACCESS HATCH DETAIL

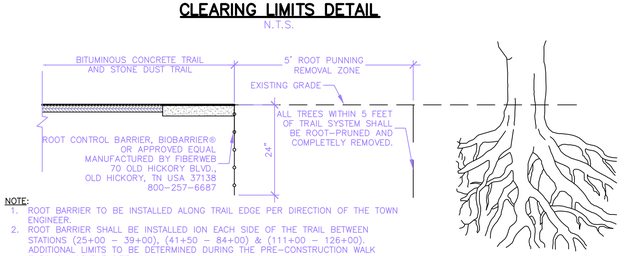
N.T.S.



NOTES:
1. CONTRACTOR SHALL CONTACT THE TOWN ENGINEER PRIOR TO REMOVAL OF ANY VEGETATION. SIGNIFICANT VEGETATION TO BE RETAINED WILL BE FLAGGED IN THE FIELD UNDER THE DIRECTION OF THE TOWN ENGINEER.
2. SEE TECHNICAL SPECIFICATIONS FOR "CLEARING AND GRUBBING"
3. CONTRACTOR IS RESPONSIBLE FOR LIMBING UP OVERHANGING VEGETATION TO THE HEIGHT INDICATED ON THE DETAIL

CLEARING LIMITS DETAIL

N.T.S.



NOTE:
1. ROOT BARRIER TO BE INSTALLED ALONG TRAIL EDGE PER DIRECTION OF THE TOWN ENGINEER.
2. ROOT BARRIER SHALL BE INSTALLED ION EACH SIDE OF THE TRAIL BETWEEN STATIONS (25+00 - 39+00), (41+50 - 84+00) & (111+00 - 126+00). ADDITIONAL LIMITS TO BE DETERMINED DURING THE PRE-CONSTRUCTION WALK THROUGH OF THE SITE.

ROOT BARRIER

N.T.S.

REVISIONS	SHEET NO.	REV.	DATE

TOWN OF FARMINGTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 MONTEITH DRIVE, FARMINGTON, CONNECTICUT 06032
PHONE: (860)675-2305 FAX: (860)675-2319

DESIGNER:
DRAFTER:
CHK: DATE:
APPROVED:

TOWN OF FARMINGTON Established 1640 ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PROJECT TITLE: FARMINGTON CANAL HERITAGE GREENWAY
PROJECT NO. :
DRAWING TITLE: DETAILS - EROSION CONTROL & MISC.
DRAWING DATE:
HOR. SCALE: AS NOTED
VER. SCALE: AS NOTED
SHEET NO. D-1