2018 Roadway Improvement Project

East Hartford, Connecticut

PREPARED FOR

Town of East Hartford Public Works Department East Hartford, CT 06108

PREPARED BY



100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300

November 29, 2017



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В	Project Roadway List
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Permit Application Narrative

This narrative has been prepared to accompany the Application for Soil-Erosion and Sedimentation Control which are filed according to the Town of East Hartford Zoning Regulations.

Introduction

The Applicant, The Town of East Hartford Public Works Department, seeks to improve 13 roads in three different locations within East Hartford as part of the Town's comprehensive roadway improvement project plan for 2018. These roads are:

- > Birdie Lane,
- Bunker Lane;
- > Chipper Drive;
- > Driver Road;
- > Fairway Court;
- > Forbes Street;
- Hudson Street;
- Martin Circle;
- > Morris Court
- > Olde Roberts Street
- > Oliva Court;
- > Primrose Drive
- > Shady Lane.

The Soil-Erosion and Sedimentation Control application applies to all of the *2018 Roadway Improvement Project* roads. The proposed roadway improvements will generally consist of reconstruction, pavement reclamation to a depth of approximately 12" and overlay paving. Other activities will include: curb replacement, local drainage improvements, installation of new catch basins and pipes, resetting of drainage structures, frames, and grates, sidewalk and curb ramp improvements, utility structure adjustments, pavement markings, miscellaneous signage, and landscaping.

The roadways under consideration for improvement are currently in poor condition and require reconstruction and pavement reclamation to improve the riding surfaces and safety. The roadway improvements will not extend beyond the currently existing



roadway right-of-way, except at some driveways and sidewalk ramps where the work will extend a few feet beyond the right of way line to tie proposed grades into existing. The proposed elevations will general match existing and there will be no increase in impervious surfaces.

Existing storm drain catch basins will be cleaned of debris and the tops of the catch basins will be replaced. Existing storm drain pipes will also be cleaned to their outfall. Where appropriate, the catch basins will be converted to the standard Type "C" or Type "C-L" catch basin tops. In some cases, replacement of existing catch basins will be required due to deteriorations of the existing drainage structures. A new closed drainage system will be install on Olde Roberts Street which will tie into an existing trunk line that crosses at the southern section of the roadway. There will be no discernable change to the existing drainage patterns or treatment to storm water quantity or quality from the roadway as a result of the proposed roadway improvements.

A completed *Application for Soil-Erosion and Sedimentation Control* is provided as Attachment A.

Location and Site Vicinity Description

The Applicant seeks to improve 13 roads in East Hartford in three different locations described in this section. The current land use within the Project Area is a mix of residential and industrial uses. All of the roads that are the subject of this permit application are owned by the Town of East Hartford and maintained by the Public Works Department. These roadways are currently in poor condition with uneven driving surfaces and areas of cracked and crumbling pavement. The locations of the roadways included in the 2018 improvement project are depicted on three (3) site location maps. The maps are labeled as *Figures 1, 2, and 3* and are included in the *Figures* appendix.

Forbes Street, Chipper Drive and Neighborhood Streets

The Project Area at Forbes Street also includes Chipper Drive, Birdie Lane, Bunker Lane, Driver Road, Fairway Court, Hudson Street, Morris Court, Olde Roberts Street and Oliva Court and is depicted on Figure 1.



Shady Lane and Primrose Drive

This Project Area consists of two roads, Shady Lane and Primrose Drive and is depicted as Figure 2.

Martin Circle

This Project Area consists of Martin Circle and is depicted on Figure 3.

Proposed Activities

The applicant proposes reconstruction, reclamation and overlay to approximately 11,417 linear feet of residential roadways throughout the Town of East Hartford, Connecticut in 2018. The Soil-Erosion and Sedimentation Control Application applies to all 13 roads that are part of the *2018 Roadway Improvement Project*.

Reduced size site plans are enclosed with this application and full size site plans depicting the proposed work are bound separately. Descriptions of the project limits and details of the lengths of the individual roadways involved in the project are provided in the Project Roadway List in Attachment B.

The proposed roadway improvements will generally consist of pavement reconstruction, reclamation to a depth of approximately 12", and overlay paving. Other activities will include: curb replacement, local drainage improvements, installation of new catch basins and pipes, resetting of drainage structures, frames, and grates, sidewalk and curb ramp improvements, utility structure adjustments, pavement markings, miscellaneous signage, and landscaping.

The roadways under consideration for improvement are currently in poor condition and require reconstruction, pavement reclamation, and overlay to improve the riding surfaces and safety. The roadway improvements will not extend beyond the currently existing roadway right-of-way, except at some driveways and sidewalk ramps where the work will extend a few feet beyond the right of way line to tie proposed grades into existing. The proposed elevations will general match existing and there will be no increase in impervious surfaces.

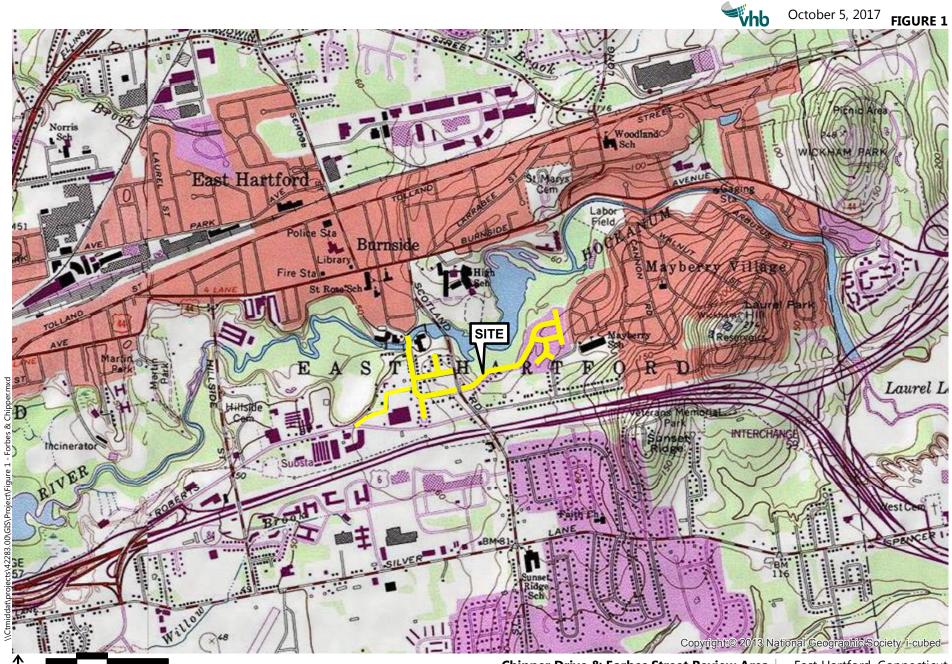
Standard erosion control techniques will be employed as necessary during the roadway improvement construction phase generally in accordance with the 2002 *Connecticut Guidelines for Soil Erosion and Sediment Control.* Techniques will include



silt fence installation and protection of existing catch basins. However, the nature of much of the proposed work will contain construction activities within the existing roadway surface thereby minimizing the risk or erosion and transport of sediments to surrounding properties and sensitive wetland and watercourse resource areas. There will be no discernable change to the existing drainage patterns or treatment to storm water quantity or quality from the roadways as a result of the proposed improvements.

The Town of East Hartford Public Works Department respectfully requests that the East Hartford Planning and Zoning Commission find this proposal adequately protective of the interests of the Zoning Regulations and issue a Soil-Erosion and Sedimentation Control permit for the project.

Figures

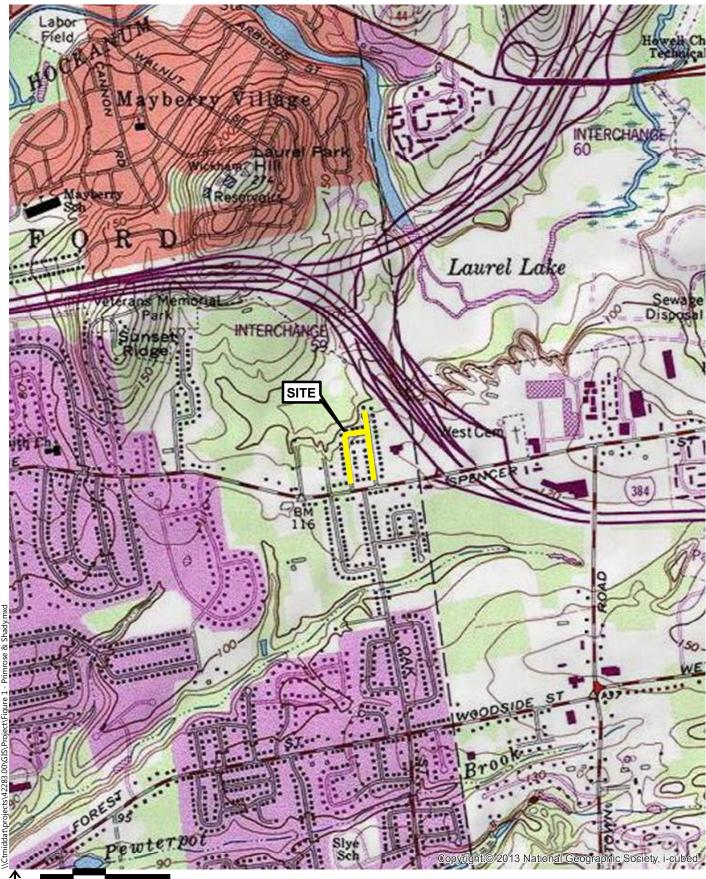


0 550 1100 2200 Feet

Chipper Drive & Forbes Street Review Area East Hartford, Connecticut

USGS Topographic Map 2018 Roadway Improvement Design East Hartford, Connecticut

October 5, 2017 FIGURE 2



Shady Lane & Primrose Drive Review Area East Hartford, Connecticut

USGS Topographic Map 2018 Roadway Improvement Design East Hartford, Connecticut

I

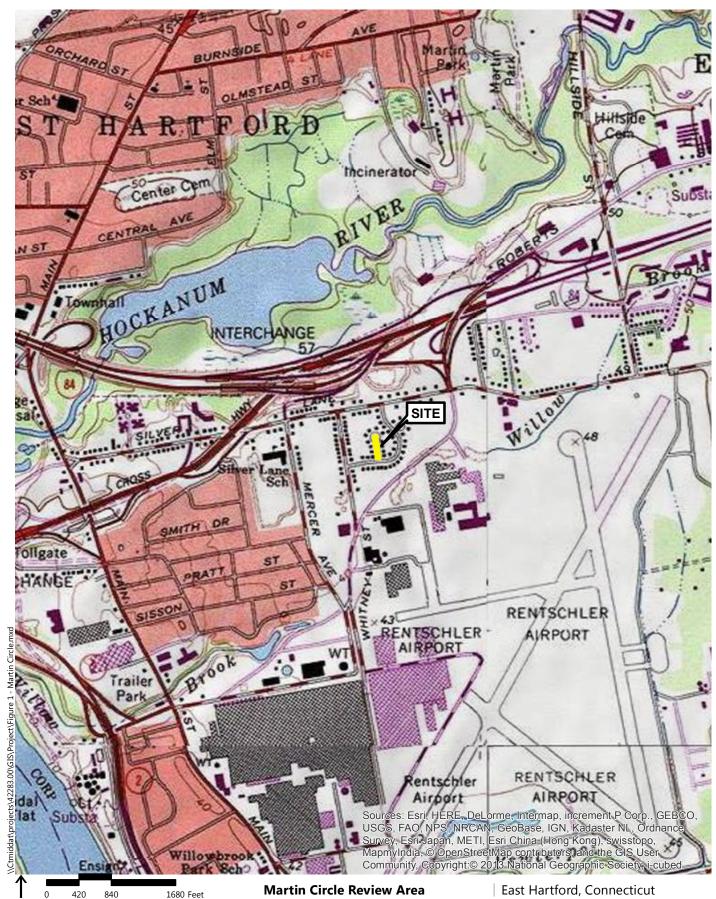
0

840

1680 Feet

420

October 5, 2017 FIGURE 3



USGS Topographic Map 2018 Roadway Improvement Design East Hartford, Connecticut

Attachment A: Application for Soil-Erosion and Sedimentation Control

Official Receipt Date:				
/				

	OWN OF EAST HARTFORD ING & ZONING COMMISSION APPLICATION FORM	Official Receipt Date:
1. APPLICATION TYPE: (CHECK ALL	THAT APPLY) *COMPLET	E SECTION ON PAGE 2 OR 3
SITE PLAN APPLICATION	NATURAL RESOURCES REMOVAL AN	D FILLING
SITE PLAN MODIFICATION	SPECIAL USE PERMIT*	
FLOOD HAZARD – MAJOR*	ZONING MAP CHANGE*	
FLOOD HAZARD – MINOR*	TEXT AMENDMENT*	
SOIL EROSION AND SEDIMENTATI	ON - Cumulative disturbed area (sq. ft.): <u>455,96</u>	60 SF
2. SITE AND PROJECT INFORMATIC	DN	
PROPERTY ADDRESS: Various Roac	lways	ZONE:
ASSESSORS MAP AND LOT:	PARCEL SIZE (ACRES (OR SQ. FT.):
PROJECT NAME: 2018 Roadway In	nprovement Project	
PROJECT DESCRIPTION (ATTACH ADD		
improvements, installation of nev	ling, overlay paving, curb replacement, loc w catch basins and pipes; resetting of drain amp improvements; utility structure adjustn e and landscaping.	nage structures; frames,
3. PROPERTY OWNER INFORMATIC	DN	HECK IF PRIMARY CONTACT
OWNER OF RECORD: Town of East	Hartford	
OWNER ADDRESS: 740 Main Street	t, East Hartford, CT	
OWNER PHONE: 860-291-7361	OWNER EMAIL: tbockus@easthartford	lct.gov
OWNER SIGNATURE:	PRINT NAME: Timothy	A. Bockus
	s: (1) this application, and (2) the Planning and Zonir n the property for the purposes of inspection associa	
4. APPLICANT INFORMATION	<u>с</u> с	ECK IF PRIMARY CONTACT
CHECK IF APPLICANT IS SAME AS	S PROPERTY OWNER	
APPLICANT:		
APPLICANT ADDRESS:		
APPLICANT PHONE:	APPLICANT EMAIL:	
APPLICANT SIGNATURE:	PRINT NAME:	

DESIGN PROFESSIONAL INFORMATION CHECK IF PRIMARY CONTACT

FIRM: VHB

5.

CONTACT PERSON: Bill Anderson

PHONE: 860-807-4342 EMAIL: baanderson@vhb.com

Page 1 of 3

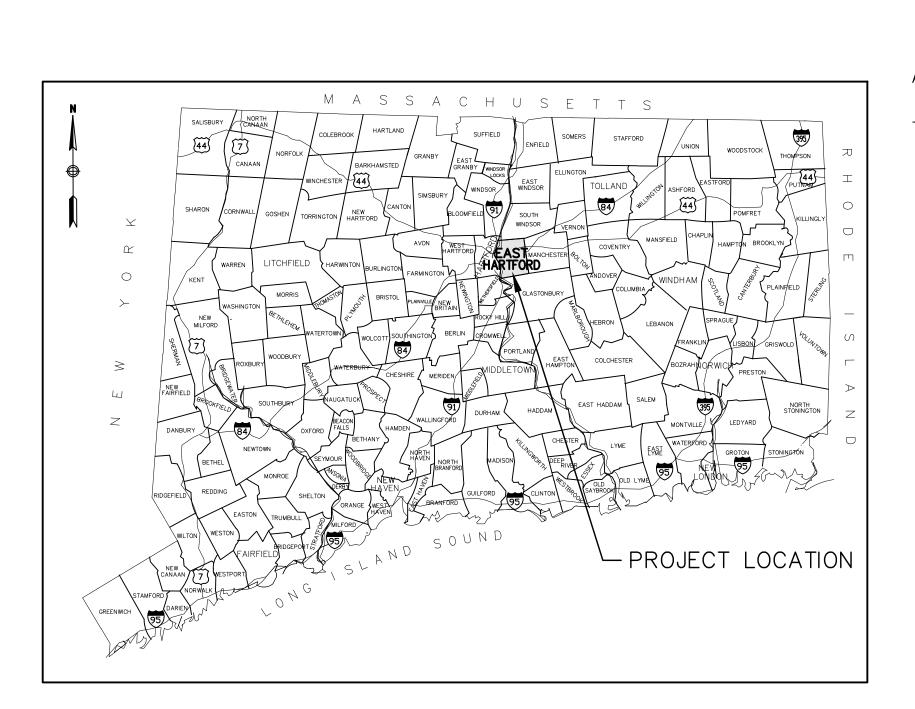
Attachment B: 2018 Roadway Improvement Project Roadway List

Registrant: Town of East Hartford 2018 Roadway Improvement Project Roadway List

Project Roadway – Pavement Reclamation

Street Name	From	То	Length (LF)
Birdie Lane	Great Hill Road	Fairway Court	190
Bunker Lane	Chipper Drive	Driver Road	520
Chipper Drive	Scotland Road	Driver Road	2,340
Driver Road	Cul de Sac	Cul de Sac	702
Fairway Court	Bunker Lane	Cul de Sac	530
Forbes Street	Scotland Road	Bridge	1,700
Hudson Street	Forbes Street	Scotland Road	775
Martin Circle	Warren Drive	Cul de Sac	410
Morris Court	Forbes Street	Cul de Sac	460
Olde Roberts Street	Roberts Street	Forbes Street	1,470
Oliva Court	Hudson Street	Cul de Sac	365
Primrose Drive	Silver Lane	Shady Lane	985
Shady Lane	Silver Lane	Cul de Sac	970

Attachment C: Drawings - Soil Erosion and Sedimentation Control Plan Set (Reduced Size)



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LOCATION MAP

LIST OF ROADWAYS (STRUCTURAL IMPROVEMENTS)						
STREET NAME	TREET NAME BEGIN STREET		STREET CLASS			
BIRDIE LANE	GREAT HILL ROAD	FAIRWAY COURT	LOCAL			
BUNKER LANE	CHIPPER DRIVE	DRIVER ROAD	LOCAL			
CHIPPER DRIVE	SCOTLAND ROAD	DRIVER ROAD	LOCAL			
DRIVER ROAD	CUL-DE-SAC	CUL-DE-SAC	LOCAL			
FAIRWAY COURT	BUNKER LANE	CUL-DE-SAC	LOCAL			
FORBES STREET SCOTLAND ROAD		BRIDGE	LOCAL			
HUDSON STREET	FORBES STREET	SCOTLAND ROAD	LOCAL			
MARTIN CIRCLE	WARREN DRIVE	CUL-DE-SAC	LOCAL			
MORRIS COURT	FORBES STREET	CUL-DE-SAC	LOCAL			
OLDE ROBERTS STREET	ROBERTS STREET	FORBES STREET	LOCAL			
OLIVA COURT	HUDSON STREET	CUL-DE-SAC	LOCAL			
PRIMROSE DRIVE	SILVER LANE	SHADY LANE	LOCAL			
SHADY LANE	SILVER LANE	CUL-DE-SAC	LOCAL			

DEVELOPED FOR: **TOWN OF EAST HARTFORD PUBLIC WORKS DEPARTMENT** 740 Main Street East Hartford, CT, 06108

DEVELOPED BY:



100 Great Meadow Road, Suite 200 Wethersfield, Connecticut 06109 860-807-4300 - FAX 860-372-4570 PLANS FOR:

TOWN OF EAST HARTFORD 2018 ROADWAY IMPROVEMENT PROJECT

PROJECT AREA: VARIOUS LOCATIONS

IN THE TOWN OF EAST HARTFORD, CONNECTICUT

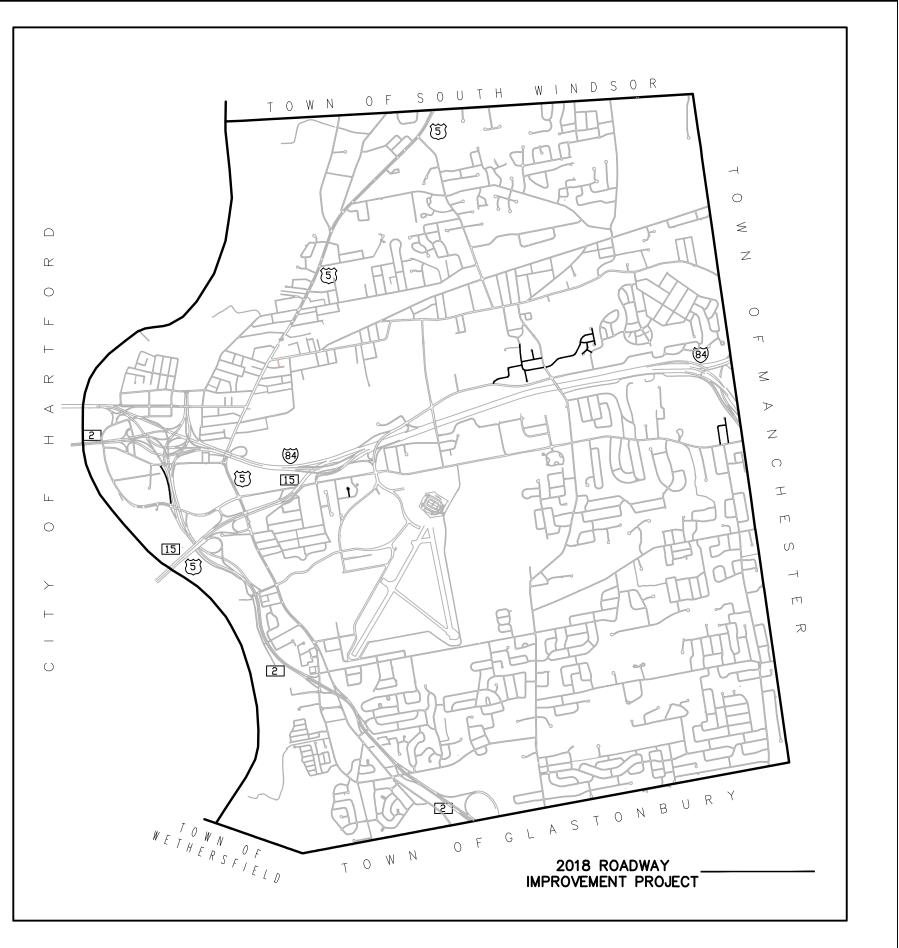
NOVEMBER 28, 2017

DWG. NO.	TITLE	SHEET NO.
TLS-1	TITLE SHEET	XXX
GNA-1	LEGEND, ABBREVIATIONS, & GENERAL NOTES	XXX
EST-XX TO EST-XX	DETAILED ESTIMATE SHEETS	XXX
MDS-01 TO MDS-25	MISCELLANEOUS DETAILS	XXX
TYP-01 TO TYP-04	TYPICAL SECTIONS	XXX
EXT-01 TO EXT-14	EXISTING CONDITIONS PLANS	XXX
BLP-01 TO BLP-14	BASELINE LAYOUT PLANS	XXX
CTR-XX TO CTR-XX	CONTROL POINT TIE PLANS	XXX
TIE-XX TO TIE-XX	CURB TIE PLANS	XXX
PLN-01	BIRDIE LANE - PLAN AND PROFILE	XXX
PLN-02	BUNKER LANE - PLAN AND PROFILE	XXX
PLN-03 TO PLN-05	CHIPPER DRIVE - PLAN AND PROFILE	XXX
PLN-06	DRIVER ROAD - PLAN AND PROFILE	XXX
PLN-07	FAIRWAY COURT - PLAN AND PROFILE	XXX
PLN-08 TO PLN-09	FORBES STREET - PLAN AND PROFILE	XXX
PLN-10	HUDSON STREET - PLAN AND PROFILE	XXX
PLN-11	MARTIN CIRCLE – PLAN	XXX
PLN-12	MORRIS COURT - PLAN AND PROFILE	XXX
PLN-13 TO PLN-14	OLDE ROBERTS STREET - PLAN AND PROFILE	XXX
PLN-15	OLIVA COURT - PLAN AND PROFILE	XXX
PLN-16 TO PLN-17	PRIMROSE DRIVE - PLAN AND PROFILE	XXX
PLN-18 TO PLN-19	SHADY LANE - PLAN	XXX
GRD-XX TO GRD-XX	INTERSECTION GRADING PLANS	XXX
SPM-01 TO SPM-15	SIGN AND PAVEMENT MARKING PLANS	XXX
DCP-XX TO DCP-XX	DRAINAGE SYSTEM CLEANING PLAN	XXX
CR0-001 TO CR0-090	CROSS SECTIONS	XXX

* NOT INCLUDED IN THIS SUBMISSION

** NOT ALL SHEETS INCLUDED IN THIS SUBMISSION

SOIL EROSION AND SEDIMENT CONTROL PLAN



PROJECT ROADWAY MAP

APPROX. SCALE IN FEET

The East Hartford Planning and Zoning Commission certifies that the soil-erosion and sediment-control plan complies with the requirements the Town of East Hartford regulations and the Connecticut Guidelines for Soil Erosion and Sedimentation Control, dated 1985, as amended. The applicant under this plan is responsible for ensuring compliance with the plan. The Town of East Hartford shall not be held liable for improper installation, lack of maintenance or other neglect on behalf of the applicant.

Approval Date:

Chairman:

2016 SPECIFICATIONS, FORM 817 INCLUDING ALL SUPPLEMENTS THERETO GOVERN.

LEGEND	ABBREVIATIONS		7. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE AFFECTED UTILITY, COORDINATE REPAIRS, AND PERFORM THE WORK AS DETAILED
RD • ROOF DRAIN UTILITY POLE	ACR ACCESSIBLE CURB RAMP MW MONITORING ADBE AS DIRECTED BY ENGINEER O/H OVERHEAD AOBE AS ORDERED BY ENGINEER OHW OVERHEAD I	LINE	BY THE UTILITY AS NEEDED TO RESTORE SERVICE AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL NOT CONTINUE WITH OTHER WORK OPERATIONS UNTIL THE UTILITY SERVICE IS RESTORED.
© SEWER MANHOLE – GUY POLE OR WIRE © ELECTRIC MANHOLE • BOLLARD/POST	BBASELINEPROPERTY IBBITUMINOUS BERMPEDPEDPEDESTRIAN	LINE N	 <u>GENERAL CONSTRUCTION NOTES</u>: 1. UPON THE AWARD OF THE CONTRACT, THE CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AN OBTAIN NECESSARY PERMITS, PAY ALL FEES, AND POST ALL BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS,
Image: Mail Box Image	BIT BITUMINOUS CORB PGL PROFILE GR BOC BACK OF CURB PIV POST INDICA PVC POLYVINYLC		SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. THE CONTRACTOR MUST ALSO APPLY AND OBTAIN AN ENCROACHMENT PER PRIOR TO PERFORMING ANY WORK WITHIN STATE RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH OBTAINING PERMITS SHALL BE INCLUDED IN THE OVERALL COSTS OF THE PROJECT.
 ● FIRE HYDRANT ● GATE BOX (GAS) ● STREET SIGN ● SHRUBS ● DECIDUOUS TREE ● EVERGREEN TREE 	BWLBROKEN WHITE LINERCPREINFORCEDBYLBROKEN YELLOW LINERESRESIDENTIALCBCATCH BASINRIM=/R=RIM ELEVATCCCONCRETE CURBROWRIGHT OF W	ΓΙΟΝ	
DRAINAGE EASEMENT DRAINAGE EASEMENT EDGE OF PAVEMENT 	CLFCHAIN LINK FENCERTRIGHTCCMCORRUGATED METAL PIPESSEWER LINECOMMCOMMERCIALSBSTREET BOUNDCONCCONCRETESBSTREET BOUND	ID	3. HANDICAP-ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS, AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMAN WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE M STRINGENT).
EDGE OF TRAVELED WAT	CPPCORRUGATED PLASTIC PIPESCESLOPED CONCDDRAIN LINESCCSLOPED CONCDBLDOUBLESGESLOPED GRANDDIPDUCTILE IRON PIPESGESLOPED GRAND	CRETE CURB	4. ACCESS TO RESIDENCES AND BUSINESSES SHALL BE PROVIDED BY THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION AT N ADDITIONAL COST TO THE TOWN. SPECIAL ATTENTION SHALL BE PAID TO COORDINATING WITH THE POLICE DEPARTMENT, EMERGE RESPONSE UNITS, AND TOWN OFFICIALS.
····································	DMH DRAIN MANHOLE SMH SEWER MANH DWG DRAWING STA STATION DWY DRIVEWAY DYL DOUBLE YELLOW LINE SWK SIDEWALK	HOLE	5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
G	E ELECTRIC LINE SWL SINGLE WHIT ELEV. ELEVATION SYL SINGLE YELL EMH ELECTRIC MANHOLE T TELEPHONE I EP EDGE OF PAVEMENT TMH TELEPHONE I	LOW LINE LINE	6. IN ADDITION TO COMPLIANCE WITH CONSTRUCTION SAFETY REQUIREMENTS, THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASU AND PROVIDE ALL NECESSARY SIGNING, WARNING LIGHTS, DRUMS, CONES, AND CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE STRENGTH TO PREVENT ACCESS TO ALL OPEN EXCAVATIONS AT THE COMPLETION OF EACH DAY'S WORK.
UNDERGROUND WATER LINE EX UNDERGROUND TELEPHONE LINE UNDERGROUND TELEPHONE LINE	EXIST EXISTING FA FIRE ALARM FES FLARED END SECTION F.F.E. FINISH FLOOR ELEVATION TYP UTILITY POLE	E	7. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EXISTING HORIZONTAL AND VERTICAL GEOMETRY AND PA CROSS SLOPE ON THE MILL-AND-OVERLAY ROADWAYS UNLESS OTHERWISE NOTED.
	G GAS LINE W WATER LINE GG GATE BOX (GAS) WG GATE BOX (RANITE CURB	8. AREAS ALONG AND OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS, INCLUDING ALL LANDSCAPED AREAS, DRIVEWAY CURB RETURNS, RETAINING WALLS, OR SIMILARLY IMPROVED ADJOINING AREAS, SHALL BE PROTE
	GTD GRADE TO DRAIŃ WO GATE DOA (HMA HOT MIX ASPHALT WMH WATER MANI HYD HYDRANT V=/I= INVERT ELEVATION	HOLE	AND/OR RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. 9. RESETTING OF STONE WALLS, BRICK PAVERS, WOOD WALLS, STONE STEPS, SLATE WALKS, AND OTHER SIMILAR ITEMS WITHIN THE OF WORK SHALL BE PAID FOR UNDER THE GENERAL COST OF THE WORK.
	INT INTERMEDIATE LT LEFT MH MANHOLE		10. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
MAINTENANCE & PROTECTION O		THAN 12 FFFT	11. THE CONTRACTOR SHALL PROTECT ALL STRUCTURES, EQUIPMENT, PIPING, AND VALVES FROM DAMAGE DURING CONSTRUCTION. DAMAGE SHALL BE REPAIRED TO THE COMPLETE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
IN WIDTH. ALTERNATING ONE WAY TRAFFIC SHALL BE ALL	LOWED ON ROADWAYS WHERE TWO, OPPOSING, 11 FOOT LAN CONTRACTOR SHALL RESTORE THE ROADWAY TO NORMAL T	NES ARE NOT	12. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING U.S. MAIL BOXES OR RESIDENTIAL MAIL BOXES WITHIN THE PROJECT LIMITS THE STANDARDS OF THE UNITED STATES POSTAL SERVICE AFTER CONSTRUCTION IS COMPLETE. THE COST TO RESET OR REPAIR BOXES SHALL BE COVERED UNDER THE ITEM "RESET MAILBOX".
CONTRACTOR SHALL INSTALL A TEMPORARY BITUMINOUS	LL CONSTRUCT A COMPACTED PROCESSED AGGREGATE RAME YS AND AT ALL INTERSECTING ROADWAYS. ON MILLED ROAD CONCRETE RAMP. THE COST OF CONSTRUCTING, MAINTAINI RICE BID FOR "MAINTENANCE AND PROTECTION OF TRAFFIC."	DWAYS, THE ING, AND	13. THE CONTRACTOR SHALL BE AWARE THAT SPRINKLER SYSTEMS MAY BE LOCATED WITHIN THE TOWN'S RIGHT OF WAY. THE CONT IS REQUIRED TO PROTECT SPRINKLER SYSTEMS WHENEVER POSSIBLE. ANY WORK REQUIRED TO REPAIR OR RESET SPRINKLER SYS DAMAGED BY THE CONTRACTOR SHALL BE PAID FOR UNDER THE GENERAL COST OF WORK.
MOTORISTS OF THE CHANGE IN TRAVEL SURFACE. THE CAND/OR EXPOSED UTILITY STRUCTURES. DRUMS OR CON	"BUMP") SHALL BE USED AT UNPAVED SECTIONS AS NEEDE CONTRACTOR SHALL SPRAY PAINT (ORANGE) THE EDGES OF NES SHALL BE PLACED ON ALL RAISED AND/OR EXPOSED U	F ANY RAISED	14. THE CONTRACTOR SHALL BE AWARE THAT INVISIBLE DOG FENCES MAY BE LOCATED WITH THE TOWN'S RIGHT OF WAY. THE CONTI IS REQUIRED TO PROTECT INVISIBLE DOG FENCES WHENEVER POSSIBLE. ANY WORK REQUIRED TO REPAIR INVISIBLE DOG FENCES BE PAID FOR UNDER THE GENERAL COST OF WORK.
	, REMOVAL OF ALL HOT MIX ASPHALT, RECONSTRUCTION OR IT FOR APPROVAL A MAINTENANCE AND PROTECTION OF TRA E CONTRACTOR SHALL ALSO SUBMIT FOR APPROVAL DETOUR	AFFIC PLAN TO	15. PAVEMENT MILLING, REMOVAL OF HMA SURFACE, FULL DEPTH RECONSTRUCTION AND FULL DEPTH RECLAIM OPERATIONS SHALL EX TO THE OUTSIDE EDGE OF THE PAVED SURFACE, INCLUDING ANY BITUMINOUS CURBING AND PAVED SURFACE BENEATH THE BITUI CURB. ALL COSTS TO REMOVE BITUMINOUS CURBING AND TO MILL THE PAVEMENT BENEATH THE CURBING SHALL BE INCLUDED SQUARE-YARD COST FOR THE TYPE OF MILLING OR HMA REMOVAL ITEMS SPECIFIED.
PLANS 21 DAYS IN ADVANCE. DETOURS ARE ONLY ALLOW OR ARTERIAL ROADWAYS.	WED ON LOCAL ROADWAYS. DETOURS ARE NOT ALLOWED ON		16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND APPLYING WATER TO CONTROL DUST ON ALL ROADWAYS WHERE AGGREGATE IS EXPOSED, INCLUDING MILLED ROADWAYS ON WHICH AGGREGATE BASE IS EXPOSED. ALL COSTS FOR PROVIDING W FOR DUST CONTROL ON THESE ROADWAYS SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT
	Y SURFACE TO REMAIN IN PLACE FOR GREATER THAN FIFTE	EN (15)	PRICE FOR THE VARIOUS MILLING AND PAVEMENT REMOVAL ITEMS. 17. UPON COMPLETION OF PAVING, ALL SAWCUT PAVING JOINTS AND CONSTRUCTION JOINTS FORMED IN THE SURFACE COURSES AT
	SE OF HMA. HAS BEEN RECLAIMED, RECONSTRUCTED OR HAVE ALL THE ENDAR DAYS PRIOR TO INSTALLING THE FIRST COURSE OF F	,	INTERSECTING STREETS SHALL BE CLEANED, HEATED, AND SEALED IN ACCORDANCE WITH THE SPECIFICATION FOR 'CLEANING AND SEALING CRACKS.' THIS WORK SHALL BE MEASURED AND PAID FOR AS 'CLEANING AND SEALING CRACKS.'
20-DAY PERIOD STARTS ONCE THE BITUMINOUS CONCRET THE CONTRACTOR WILL BE ALLOWED TO CONSTRUCT TWO	TE ROADWAY SURFACE IS DISTURBED OR RECLAIMED.	OF ROADWAYS	18. ALL CURB TIES (STATION AND OFFSETS) ARE TO THE FACE OF CURB UNLESS NOTED OTHERWISE. WHERE NEW GRANITE CURBING BE INSTALLED AND NO CURB TIE INFORMATION IS AVAILABLE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING CURB RADII AND APPLY THE NEW GRANITE CURBING AT THE MEASURED RADII.
AREAS CAN BE CONSTRUCTED SIMULTANEOUSLY. IF THE COURSE ON EITHER SECTION OF RECLAIMED OR RECONST	OUGH TO CAUSE LOCAL DELAYS IN THE ROADWAYS. ONLY TW CONTRACTOR'S PRODUCTION IS INSUFFICIENT TO PAVE THE TRUCTED ROADWAY WITHIN THE 20-DAY REQUIREMENT, THE TO THE TOWN BASED ON A REDUCED AMOUNT OF EXPOSED	INTERMEDIATE CONTRACTOR	19. THE CONTRACTOR SHALL TRANSITION THE BITUMINOUS CONCRETE CURB TO MATCH THE TOP ELEVATION OF ALL TYPE "C" CATCH TOPS.
	OF THE TWO CONTRACTOR'S RATE OF PRODUCTIVITY FOR TH		20. WHEN PLACING THE BITUMINOUS CONCRETE CURB OVER A TYPE "C-L" TOP, THE CONTRACTOR SHALL ENSURE THAT THE CURBIN NOT INTERFERE WITH THE REMOVAL OF THE GRATE.
6. THE CONTRACTOR SHALL POST A SIGN AT THE BEGINNIN AHEAD FINES DOUBLED", AND AT THE END OF SUCH ZON		S: "ROAD WORK	21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL STORM, SEWER, WATER, AND GAS UTILITIES UNCOVERED OR DISTUDURING CONSTRUCTION OPERATIONS. THE UNCOVERED OR DISTURBED UTILITIES SHALL BE ADJUSTED TO FINISHED GRADE ELEVATIONS WORK SHALL BE MEASURED AND PAID FOR UNDER THE APPLICABLE RESET ITEM. THE CONTRACTOR SHALL COORDINATE
UNDERGROUND UTILITY NOTES: 1. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU D EXCAVATION BEING PERFORMED ON SITE.	NG" AT 1-800-922-4455 A MINIMUM OF 72-HOURS PRIOR	TO ANY	ADJUSTMENT OF ANY ELECTRICAL, TELEPHONE, OR CABLE FACILITIES WITH THE UTILITY OWNER. 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING CATCH BASIN FRAMES AND GRATES AND FOR PAVING THE ADJOINING R TO PROVIDE POSITIVE GRADES TO DRAIN THE SURROUNDING AREA AS DIRECTED BY THE ENGINEER.
2. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES INFORMATION OF RECORD AND ARE AN APPROXIMATE RE	PRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE	E(S) HAVE NOT	23. THE CONTRACTOR IS ADVISED THAT THERE ARE AREAS OF LIMITED COVER ON SOME STORM DRAIN PIPES. THE CONTRACTOR IS CAUTIONED TO TAKE EXTRA CARE WHILE RECLAIMING, EXCAVATING, AND/OR COMPACTING THE ROADWAY. AT THESE LOCATIONS,
	ON THE PLANS. EXISTING UTILITIES ARE NOT GUARANTEED IND/OVERHEAD UTILITIES OR OTHER STRUCTURES ARE SHOW		CONTRACTOR SHALL UTILIZE NON—VIBRATORY ROLLERS TO COMPACT AND PREPARE THE SUBGRADE TO SPECIFIED DENSITIES. TH OF NON—VIBRATORY ROLLERS SHALL NOT RELEASE THE CONTRACTOR FROM OBTAINING DENSITY REQUIREMENTS. ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AT THE CONTRACTOR'S EXPE
UTILITIES. THE CONTRACTOR SHALL CONFIRM THAT THER	IS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTION RE IS NO INTERFERENCE BETWEEN EXISTING UTILITIES AND TH	IS TO EXISTING HE PROPOSED	24. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST 25. STOP BARS SHALL BE PLACED IN THE TRAVEL WAY DIRECTLY ADJACENT TO STOP SIGNS.
OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTL	LY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT LY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTI	ILITIES.	26. THE CONTRACTOR SHALL PLACE DOUBLE YELLOW LINES AT THE CENTER OF THE ROADWAY UNLESS OTHERWISE NOTED ON THE P OR DIRECTED BY THE ENGINEER.
4. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPH CONTRACTOR IS TO ASSUME THAT SERVICES ARE PRESEN SERVICE CONNECTIONS ARE TO BE CHECKED WITH THE A	NT TO ALL BUILDINGS. THE LOCATIONS AND DEPTHS OF ALL		27. THE CONTRACTOR SHALL MATCH THE PROPOSED PAVEMENT MARKINGS WITH EXISTING PAVEMENT MARKINGS AT ALL LIMITS OF WO
5. THE UTILITY LOCATIONS AND DEPTHS SHOWN ON THE CR AND ARE NOT INTENDED TO BE A COMPLETE OR ACCURA DEPTHS OF THE UNDERGROUND UTILITIES HAVE NOT BEEN	ATE DEPICTION OF THE UNDERGROUND UTILITIES. THE LOCA		28. THE TOWN WILL BE RESPONSIBLE FOR ESTABLISHING TEMPORARY NO-PARKING AREAS DURING CONSTRUCTION. THE CONTRACTOR COORDINATE THE CONSTRUCTION WORK SCHEDULE WITH THE TOWN SO THAT ADVANCE NOTICE CAN BE PROVIDED TO RESIDENCES BUSINESSES. THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPLYING AND POSTING THE NECESSARY TEMPORARY NO-PARKING COSTS OF THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR "MAINTENANCE AND PROTECTION OF TRAFFIC."
DEPTHS OF EXISTING UNDERGROUND UTILITIES. ANY CON	OULD BE DUG AS NECESSARY TO DETERMINE THE SIZES, LOC NFLICTS NOTED IN PROPOSED CONSTRUCTION SHALL IMMEDIA NTRACTOR'S FAILURE TO NOTIFY THE ENGINEER PRIOR TO P	ATELY BE	29. THE FINAL LOCATION, LENGTHS, AND WIDTHS OF EACH DRIVEWAY MAY BE MODIFIED AS DIRECTED BY THE ENGINEER TO MEET FIE CONDITIONS.
	ONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE		30. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC SHALL RECEIVE 6" TOPSOIL AND TURF ESTABLISHMENT.
			31. ALL TYPICAL SECTIONS SHOWN ON CONSTRUCTION PLANS ARE ORIENTED LOOKING FROM THE BEGINNING OF CONSTRUCTION TO TH OF CONSTRUCTION, UNLESS SPECIFICALLY NOTED OTHERWISE.
			DESIGNER: EAN
			DRAFTER: JRE
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DRAFTER: JRE	Engineers Scientists Planners Designers	INCORPORATED 1783	2018 ROADWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	drawing no.: GNA-01
CHECKED BY: BAA APPROVED BY: SON	NOT ISSUED FOR CONSTRUCTION DATE: SEPTEMBER 22, 2017	Planner greats	CADD FILENAME: GNA-4228300.DWG	LEGEND, ABBREVIATIONS & GENERAL NOTES	SHEET NO.: XX OF XX

- HEREIN.

DRAINAGE NOTES:

SURVEY NOTES:

EROSION AND SEDIMENTATION CONTROL NOTES:

- THIS PROJECT.
- WETLAND AGENT.

32. THE CONTRACTOR IS TO GRADE THE SNOW SHELF FROM THE BACK OF CURB TO THE FACE OF SIDEWALK WITHIN THE PROJECT LIMITS. IN THE CASE WHERE NO SIDEWALK IS PRESENT, THE CONTRACTOR SHALL REGRADE FROM THE BACK OF CURB TO A MINIMUM OF 5' FROM THE BACK OF CURB UNLESS OTHERWISE NOTED IN THE PLANS.

33. THE CONTRACTOR SHALL CLEAR ANY TREE BRANCHES OVERHANGING THE ROADWAY AND SIDEWALK TO PROVIDE A 3 FEET MINIMUM CLEARANCE FROM THE EDGE OF PAVEMENT AND VERTICAL CLEARANCES OF 8 FEET OVER THE SIDEWALK AND 16 FEET OVER THE ROADWAY. ALL CLEARING OF VEGETATION ADJACENT TO THE SIDEWALK AND ROADWAY SHOULD BE TO THE LIMITS SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER. THE CONTRACTOR SHALL POST ALL TREES REQUIRING TRIMMING FOR A PERIOD OF TEN (10) CALENDAR DAYS AND A NOTICE IS TO BE LEFT AT EACH AFFECTED PROPERTY. THE COST OF CLEARING AND TRIMMING SHALL BE COVERED UNDER THE ITEM "SELECTIVE CLEARING AND THINNING".

34. THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES." WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED

35. THE INLAND WETLANDS INFORMATION SHOWN ON THE PLANS WAS OBTAINED FROM THE TOWN OF EAST HARTFORD.

36. TRACKED VEHICLES AND OTHER EQUIPMENT ARE NOT ALLOWED ON BITUMINOUS CONCRETE OR OTHER PAVED ROADWAY SURFACES.

37. REMOVAL OF CONCRETE CURBING AND GRANITE CURBING SHALL BE PAID FOR UNDER THE ITEM "EARTH EXCAVATION".

38. THE CONTRACTOR SHALL PROTECT LANDSCAPED AREAS WITHIN THE LIMITS OF WORK WHERE POSSIBLE. LANDSCAPED AREAS THAT ARE DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED. THE COST TO RESTORE LANDSCAPED AREAS SHALL BE INCLUDED IN THE GENERAL COST OF WORK.

39. THE CONTRACTOR SHALL ENSURE THAT THE GAP UNDER EACH DRIVEWAY GATE IS OF EQUAL HEIGHT BEFORE AND AFTER DRIVEWAY RECONSTRUCTION. THE COST TO RESET THE DRIVEWAY GATES SHALL BE INCLUDED UNDER THE ITEM "RESET CHAIN LINK FENCE".

1. THE CONTRACTOR SHALL FIELD-VERIFY THE LOCATION, SIZE, INVERTS, AND TYPES OF EXISTING PIPES AT ALL PROPOSED POINTS OF CONNECTION PRIOR TO ORDERING MATERIALS. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK. THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR. THE INFORMATION SHALL BE FURNISHED IN WRITING TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

2. ADJUST RIM ELEVATIONS OF MANHOLES, WATER GATES, GAS GATES AND ALL OTHER UTILITIES TO FINISHED GRADE WITHIN LIMITS OF WORK.

3. THE PROPOSED RIM ELEVATIONS FOR CATCH BASINS HAVE BEEN MEASURED AT THE PROPOSED FACE OF CURB (GUTTER LINE) FOR TYPE "C" CATCH BASINS AND AT THE CENTER OF THE GRATE FOR TYPE "C-L" CATCH BASINS. ALL PROPOSED RIM ELEVATIONS ACCOUNT FOR THE DEPRESSION SPECIFIED IN THE MISCELLANEOUS DETAILS WITH RESPECT TO PROPOSED ROADWAY GRADES AND CROSS SLOPES.

4. WHEN INSTALLING A NEW PIPE THAT REQUIRES A CONNECTION TO AN EXISTING PIPE, THE NEW PIPE CONNECTION SHALL BE MADE AT THE JOINT OF THE EXISTING PIPE NEAREST TO THE PROPOSED PIPE.

5. WHEN INSTALLING A NEW CATCH BASIN THAT REQUIRES A CONNECTION TO AN EXISTING PIPE, THE SECTION OF THE EXISTING PIPE DISTURBED BY CONSTRUCTION SHALL BE REPLACED WITH NEW PIPE OF SIMILAR SIZE AND TYPE EXTENDING FROM THE CATCH BASIN TO THE NEAREST JOINT OF EXISTING PIPE OR AS DIRECTED BY THE ENGINEER.

6. ALL CATCH BASIN GRATES ARE TO BE TYPE "A."

7. ALL PROPOSED TYPE 'C' CATCH BASIN TOPS SHALL BE 'PARK TYPE' CURB TOPS ON ALL STREETS WITH BITUMINOUS CURBING OR BERM. ON STREETS WHERE THE CURBING IS GRANITE OR STONE, THE TYPE 'C' CATCH BASIN TOPS SHALL BE 'CONCRETE OR STONE CURBING FOR TYPE 'C' CB'. ALL TYPE 'C' CATCH BASIN TOPS INSTALLED ON THIS PROJECT SHALL HAVE A METAL PLAQUE WITH THE WORDS 'DRAINS TO WATERWAY' CAST INTO THE TOP OF THE SPECIFIED CONCRETE CATCH BASIN TOP. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING TOPS.

8. THE CONTRACTOR SHALL SET CATCH BASIN FRAME AND GRATES TO PROVIDE POSITIVE DRAINAGE INTO THE STRUCTURE. THE CONTRACTOR IS ADVISED THAT THE CATCH BASIN FRAME ELEVATIONS PROVIDED ON THE PLANS INCLUDE ANY ADDITIONAL DEPRESSION REQUIRED PER THE CATCH BASIN DETAILS.

9. THE CONTRACTOR SHALL CLEAN ALL EXISTING PIPES, MANHOLES AND CATCH BASINS SHOWN ON THE PLANS PRIOR TO CONSTRUCTION AND REVIEW CONDITIONS TO DETERMINE IF ANY STORM DRAINAGE PIPES REQUIRE REPAIR. THE CONTRACTOR SHALL EXPOSE ALL BURIED MANHOLES TO ALLOW ACCESS FOR INSPECTION AND CLEANING. THE EXPOSED MANHOLE SHALL BE LEFT IN A SAFE CONDITION. THE ENTIRE DRAINAGE SYSTEM SHALL BE LEFT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK.

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE LINES BASED ON MAPPING PROVIDED BY THE TOWN OF EAST HARTFORD. VHB HAS NOT PERFORMED A FIELD SURVEY TO VERIFY THE PROPERTY LINES.

2. THE EXISTING CONDITIONS SHOWN FOR BIRDIE LANE, BUNKER LANE, CHIPPER DRIVE, DRIVER ROAD, FAIRWAY COURT, FORBES STREET, HUDSON STREET, MARTIN CIRCLE, MORRIS COURT, OLDE ROBERTS STREET, OLIVIA COURT, PRIMROSE DRIVE, SHADY LANE ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VHB BETWEEN MARCH 2017 AND SEPTEMBER 2017. THE HORIZONTAL AND VERTICAL VALUES FOR THESE ROADWAYS ARE BASED ON CTNAD 1983 AND NAVD88 DATUMS.

3. THE CONTRACTOR SHALL HAVE A CONNECTICUT REGISTERED LAND SURVEYOR AVAILABLE TO RESET ANY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. A SURVEY SHALL BE PROVIDED BY THE CONTRACTOR TO ENSURE THE MONUMENTATION HAS BEEN RESET TO ITS ORIGINAL LOCATION.

4. THE CONTRACTOR IS ADVISED THAT SOME CONTROL POINTS SHOWN ON THE PLANS MAY BE LOCATED ON THE EXISTING PAVEMENT SURFACE OR WITHIN THE CONSTRUCTION LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING THOSE CONTROL POINTS AFTER CONSTRUCTION IS COMPLETED ON THAT STREET.

1. THE CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF-SITE AREAS AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL INSTALL 'SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN' AT CATCH BASINS PRIOR TO THE BEGINNING OF WORK AT LOCATIONS INDICATED ON THE PLANS, AS REQUIRED, OR AS ORDERED BY THE ENGINEER.

3. THE CONTRACTOR MUST INSPECT AND MAINTAIN EROSION CONTROL MEASURES AND REMOVE SEDIMENT THEREFROM 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. THE 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.

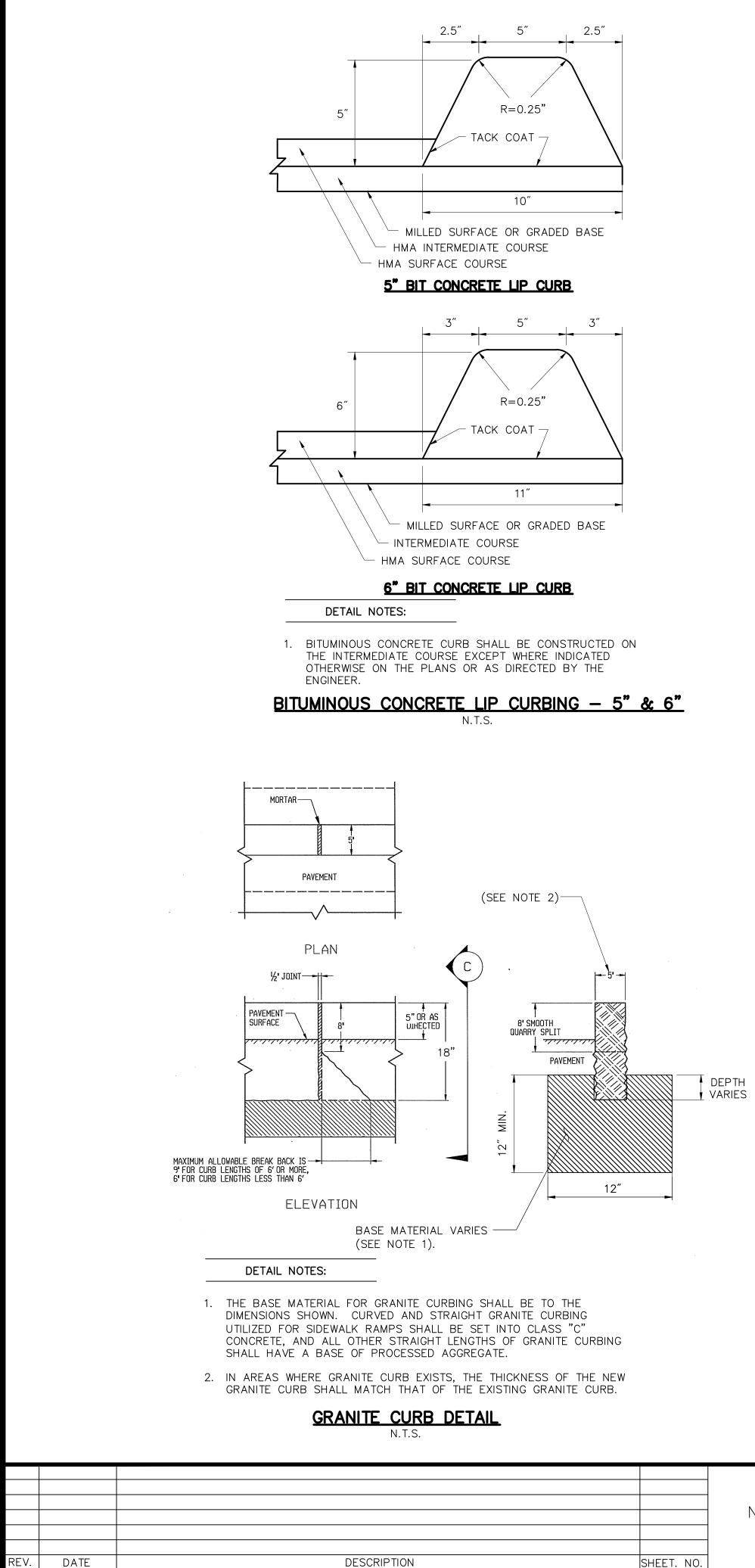
5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND SHALL CLEAN SEDIMENT AND DEBRIS FROM THE ENTIRE STORM DRAINAGE SYSTEM.

6. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO

7. THE CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.

8. PRIOR TO STARTING ANY WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY THE EAST HARTFORD WETLAND AGENT AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED AS DIRECTED BY THE

9. THE TOWN HAS INCORPORATED A GENERAL PERMIT FOR STORMWATER DISCHARGE' (GPSD) WITHIN THE CONTRACT DOCUMENTS IN ORDER TO INSURE COMPLIANCE WITH THE CONDITIONS OF THE GPSD. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL APPLICABLE CONDITIONS OF THE GPSD.



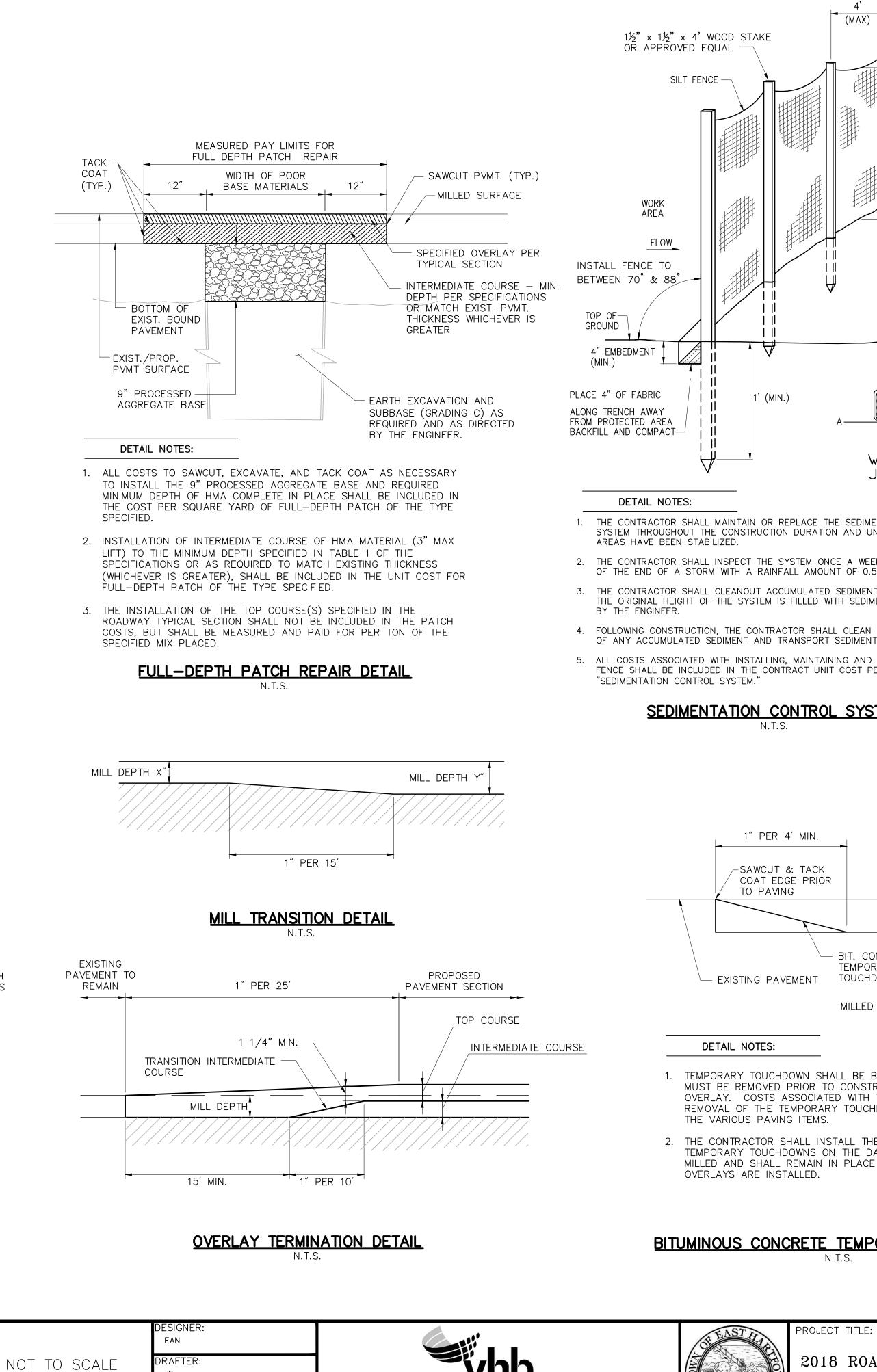
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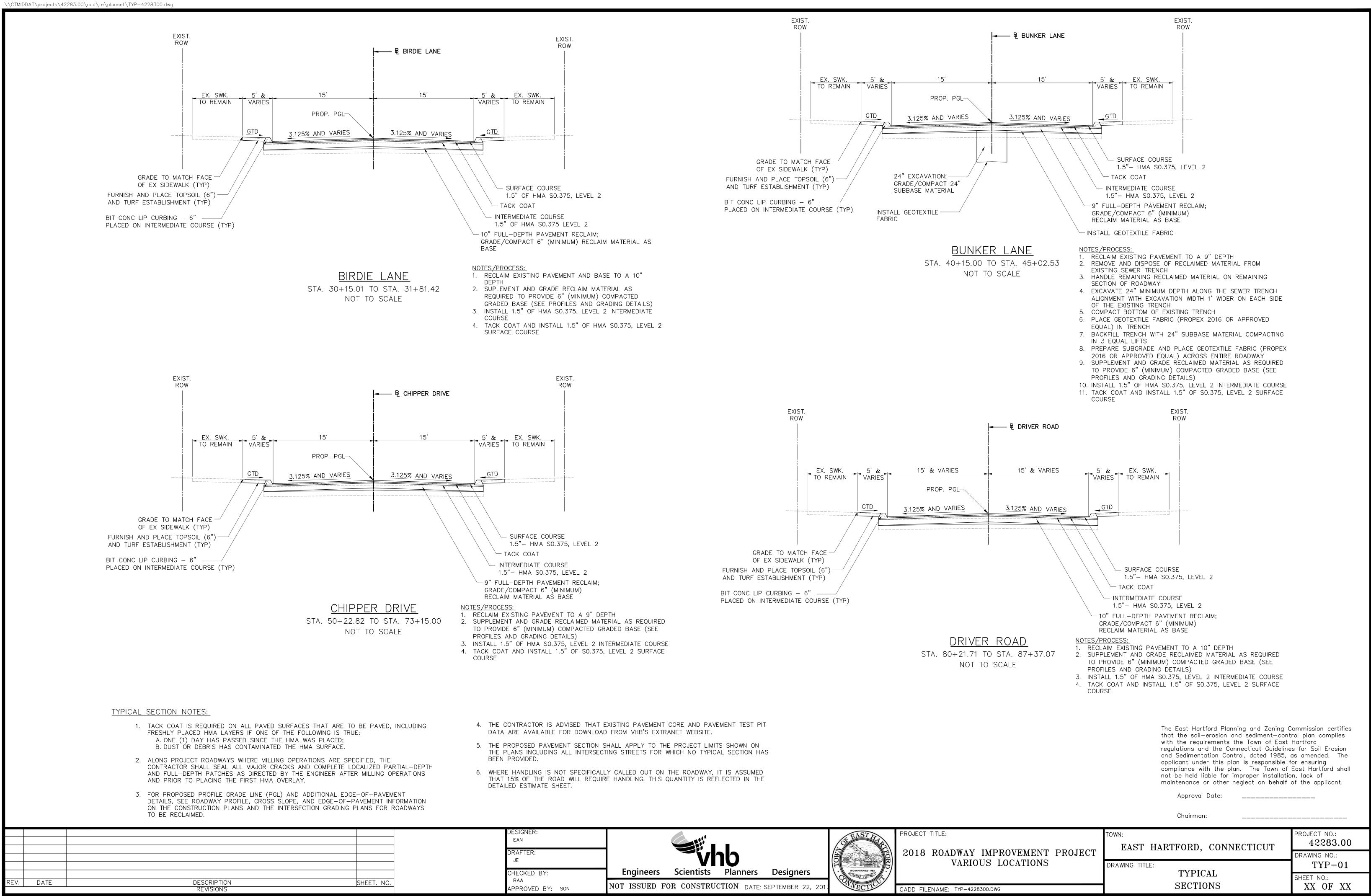


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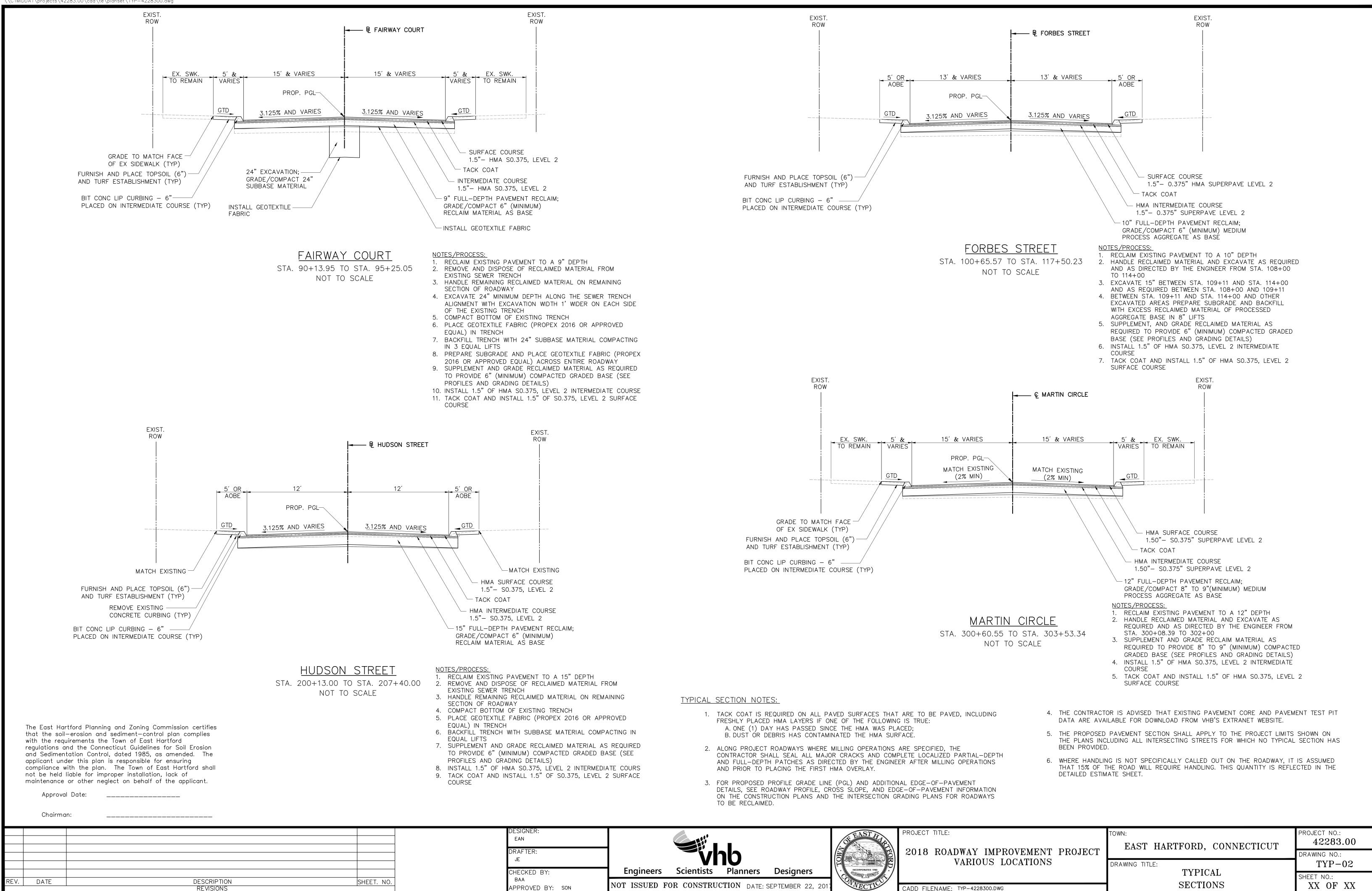
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4' (MAX)	CATCH BASIN GRATE	
	GEOTEXTILE SACK	
	GEOTEXTILE SACK	
PROTECTED AREA	FLOW EXPANSION RESTRAINT	
STAPLE	Section View	
ABB STAPLE 1.	DETAIL NOTES:	
WOOD STAKE	THE PLAN OR AS DIRECTED BY THE ENGINEER BEFORE COMME WORK. GRATE TO BE PLACED OVER GEOTEXTILE SACK.	NCING
	GEOTEXTILE SACK SHALL BE INSPECTED PERIODICALLY AND AF STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREA AREAS HAVE BEEN PERMANENTLY STABILIZED.	
TEM ONCE A WEEK AND WITHIN 12 HOURS L AMOUNT OF 0.5 INCHES OR GREATER. MULATED SEDIMENT WHEN ONE HALF OF	ALL COSTS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE REMOVAL OF THE GEOTEXTILE SACK, INCLUDING THE DISPOSAL COLLECTED MATERIALS, SHALL BE INCLUDED IN THE CONTRACT COST PER EACH "SEDIMENT CONTROL SYSTEM AT CATCH BASI	OF UNIT
TILLED WITH SEDIMENT, OR AS ORDERED	SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN DETAIL N.T.S.	
NSPORT SEDIMENT OFF SITE. MAINTAINING AND THE REMOVAL OF SILT ACT UNIT COST PER LINEAR FOOT FOR	1" PER 4' MIN.	
NTROL SYSTEM	SAWCUT	
MENT TOUCHDOWN MILLED SURFACE	 RECLAIMED OR PROCESSED AGGREGATE BASE TOUCHDOWN RECLAIMED OR PROCESSED AGGREGATE BASE TEMPORARY TOUCHDOWN SHALL BE RECLAIMED OR PROCESS AGGREGATE BASE. COSTS ASSOCIATED WITH THE CONSTRUCT AND REMOVAL OF THE TEMPORARY TOUCHDOWN ARE INCLUT IN THE VARIOUS PAVING ITEMS. THE CONTRACTOR SHALL INSTALL THE RECLAIMED OR PROCESSED AGGREGATE BASE TOUCHDOWN ON THE DAY TH BASE IS EXPOSED AND SHALL REMAIN IN PLACE UNTIL THE THE OVERLAYS ARE INSTALLED. RECLAIMED OR PROCESSED AGGREGATE BASE TEMPORARY TOUCHDOWN 	TION DED E DAY
WWN SHALL BE BITUMINOUS CONCRETE AND RIOR TO CONSTRUCTION OF THE HMA SOCIATED WITH THE CONSTRUCTION AND IPORARY TOUCHDOWN ARE INCLUDED IN ITEMS.	N.T.S.	
ALL INSTALL THE BITUMINOUS CONCRETE WNS ON THE DAY THE PAVEMENT IS EMAIN IN PLACE UNTIL THE DAY THE LLED.	The East Hartford Planning and Zoning C that the soil—erosion and sediment—cont with the requirements the Town of East regulations and the Connecticut Guideline and Sedimentation Control, dated 1985, applicant under this plan is responsible t compliance with the plan. The Town of not be held liable for improper installatic	rol plan complies Hartford es for Soil Erosion as amended. The for ensuring East Hartford shall
RETE TEMPORARY TOUCHDOWN N.T.S.	Approval Date:	of the applicant.
	Chairman:	
PROJECT TITLE: 2018 ROADWAY IMPROVEMENT PROJEC'	TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00 DRAWING NO.:
VARIOUS LOCATIONS	DRAWING TITLE: MISCELLANEOUS DETAILS	MDS-03 SHEET NO.: XX OF XX
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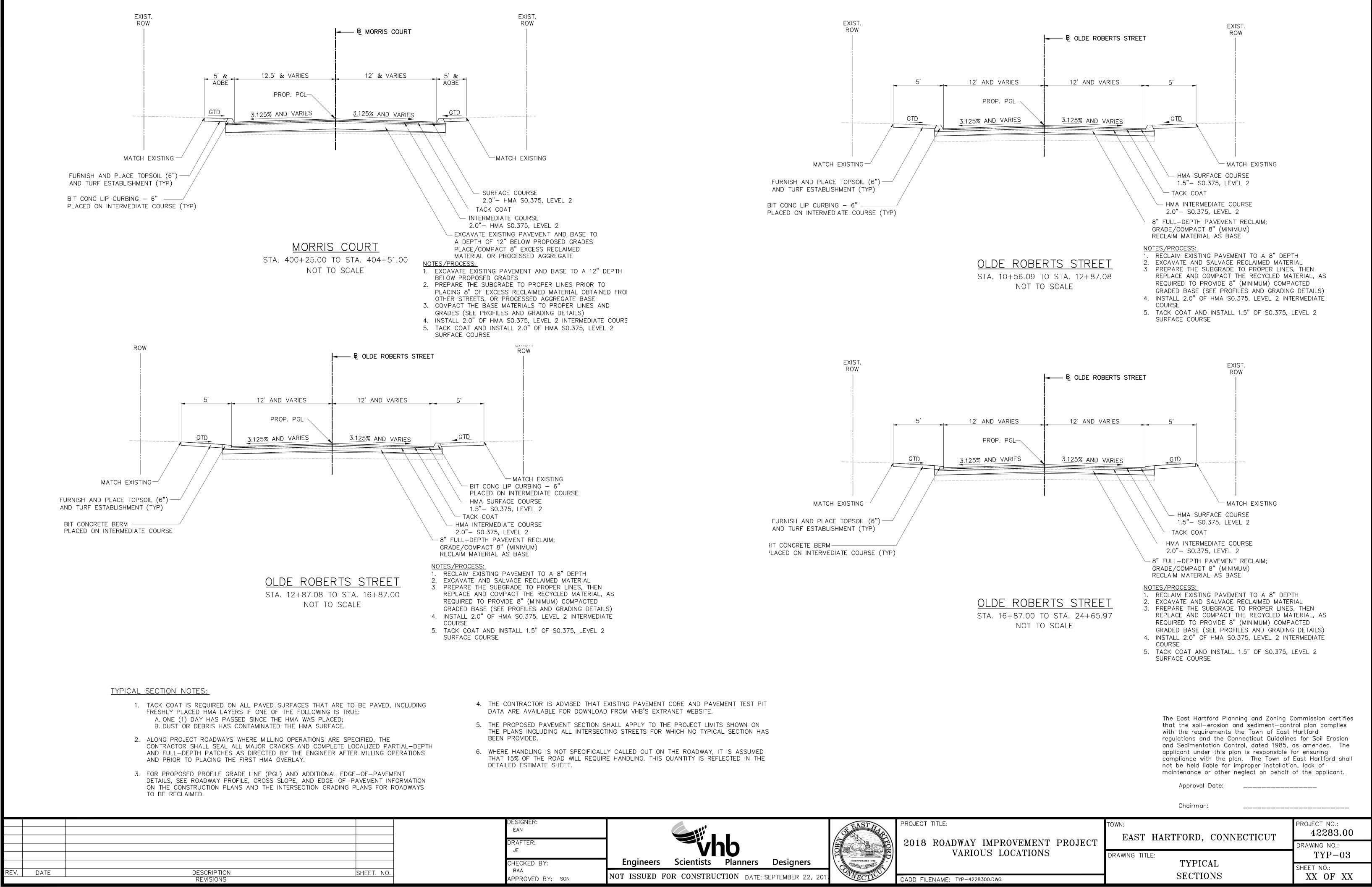


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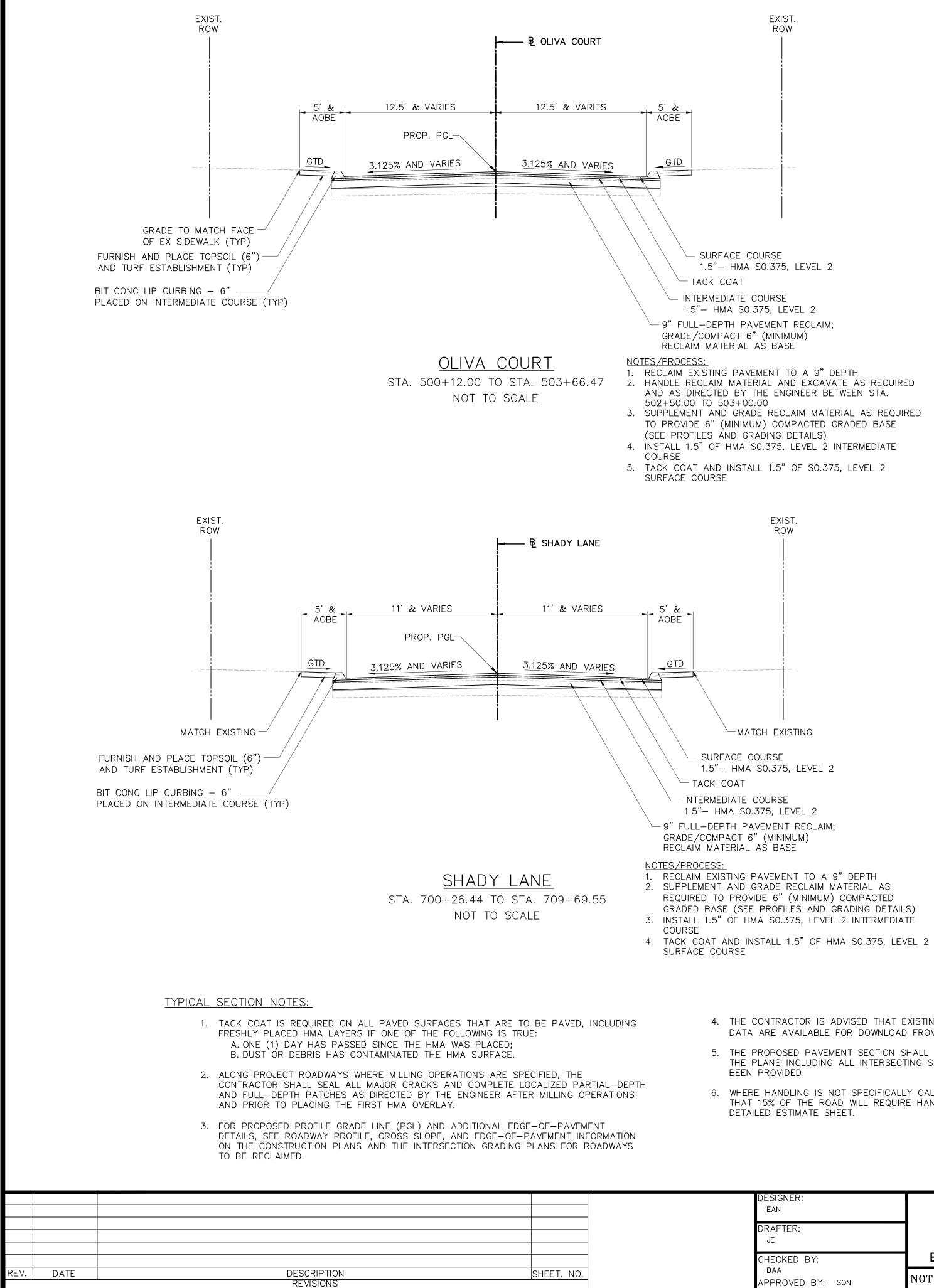




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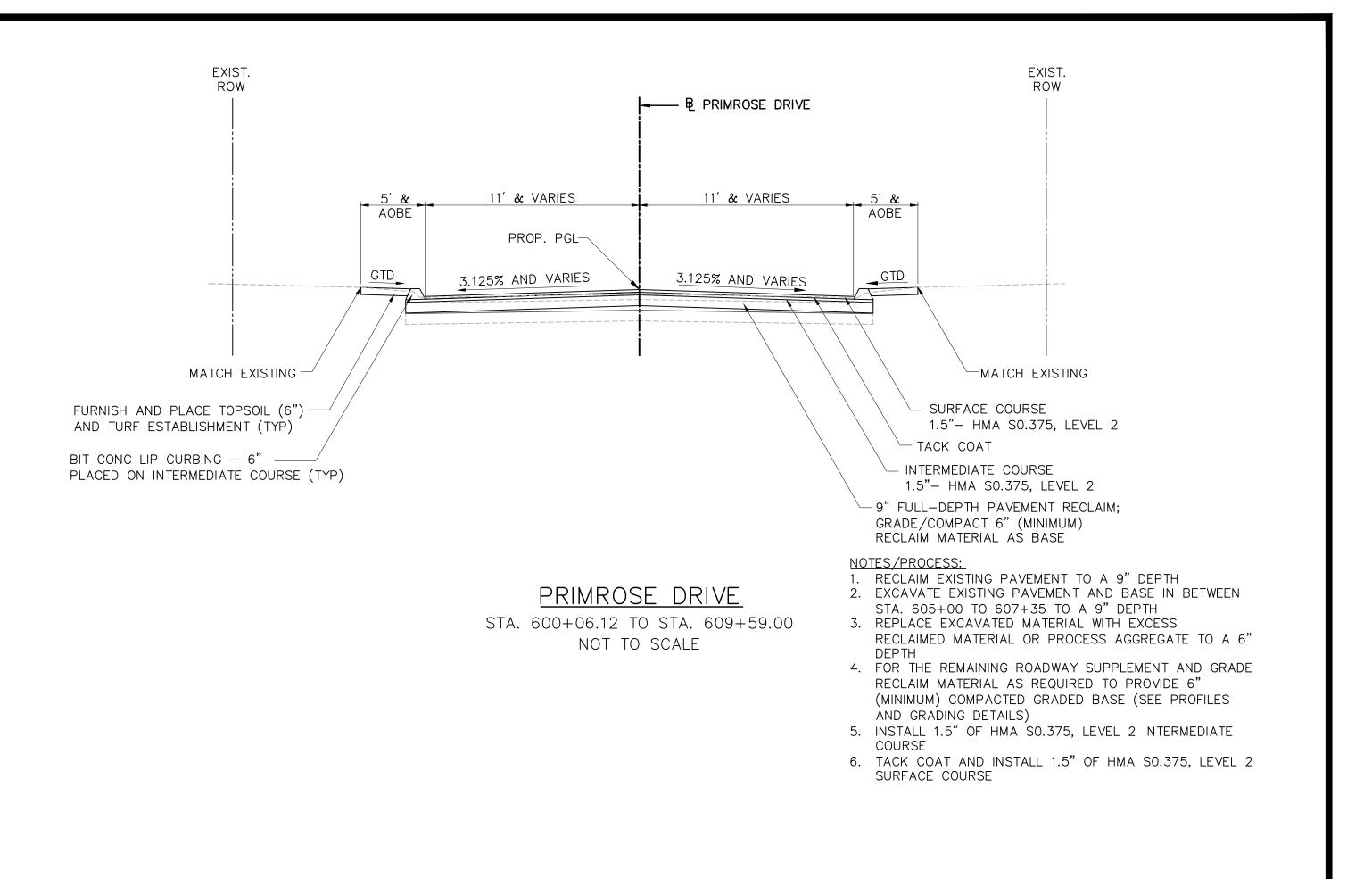


Nov 28, 2017

- 4. THE CONTRACTOR IS ADVISED THAT EXISTING PAVEMENT CORE AND PAVEMENT TEST PIT DATA ARE AVAILABLE FOR DOWNLOAD FROM VHB'S EXTRANET WEBSITE.
- 5. THE PROPOSED PAVEMENT SECTION SHALL APPLY TO THE PROJECT LIMITS SHOWN ON THE PLANS INCLUDING ALL INTERSECTING STREETS FOR WHICH NO TYPICAL SECTION HAS
- 6. WHERE HANDLING IS NOT SPECIFICALLY CALLED OUT ON THE ROADWAY, IT IS ASSUMED THAT 15% OF THE ROAD WILL REQUIRE HANDLING. THIS QUANTITY IS REFLECTED IN THE

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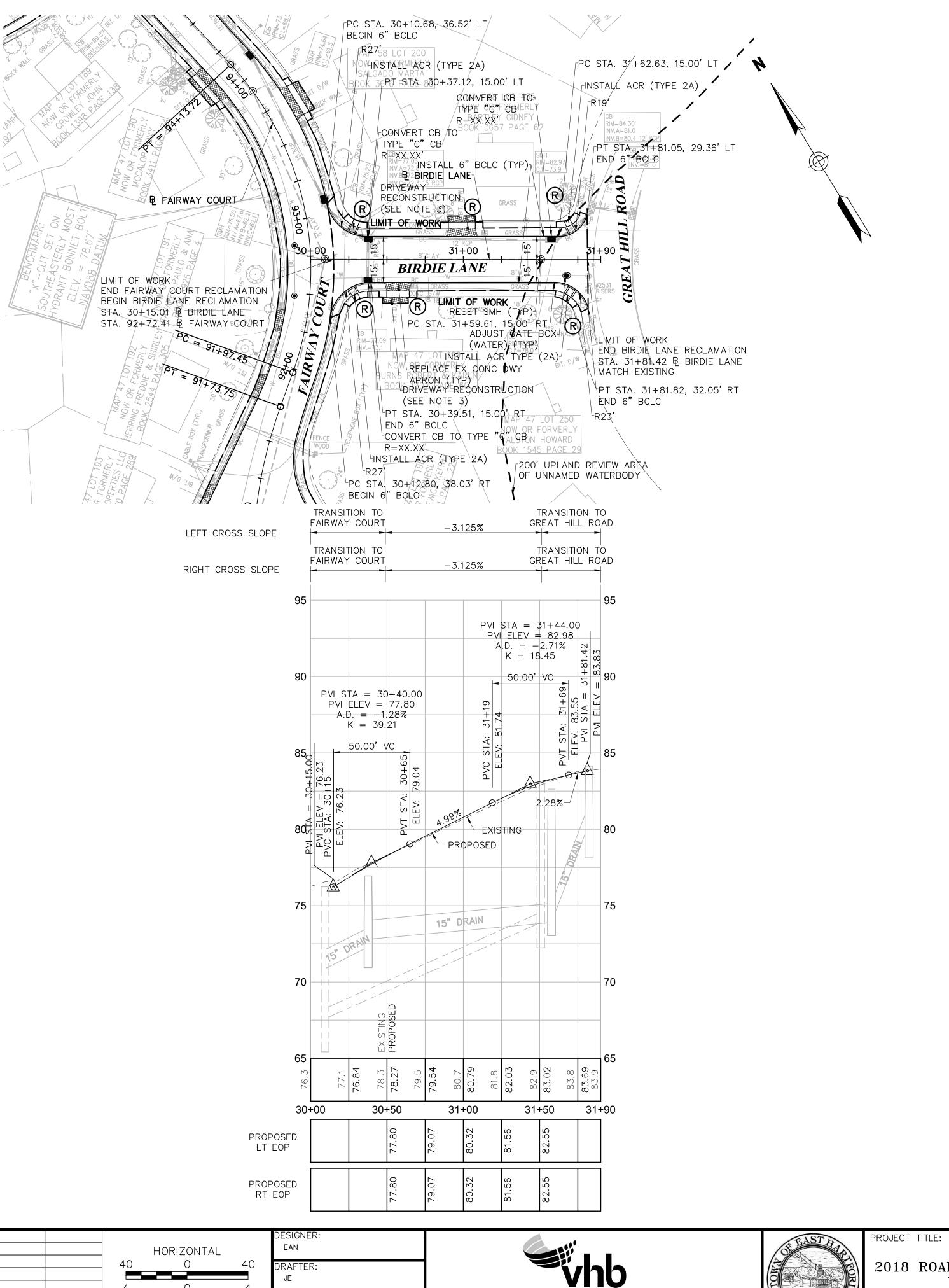
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The East Hartford Planning and Zoning Commission certifies that the soil-erosion and sediment-control plan complies with the requirements the Town of East Hartford regulations and the Connecticut Guidelines for Soil Erosion and Sedimentation Control, dated 1985, as amended. The applicant under this plan is responsible for ensuring compliance with the plan. The Town of East Hartford shall not be held liable for improper installation, lack of maintenance or other neglect on behalf of the applicant.

Approval Date:

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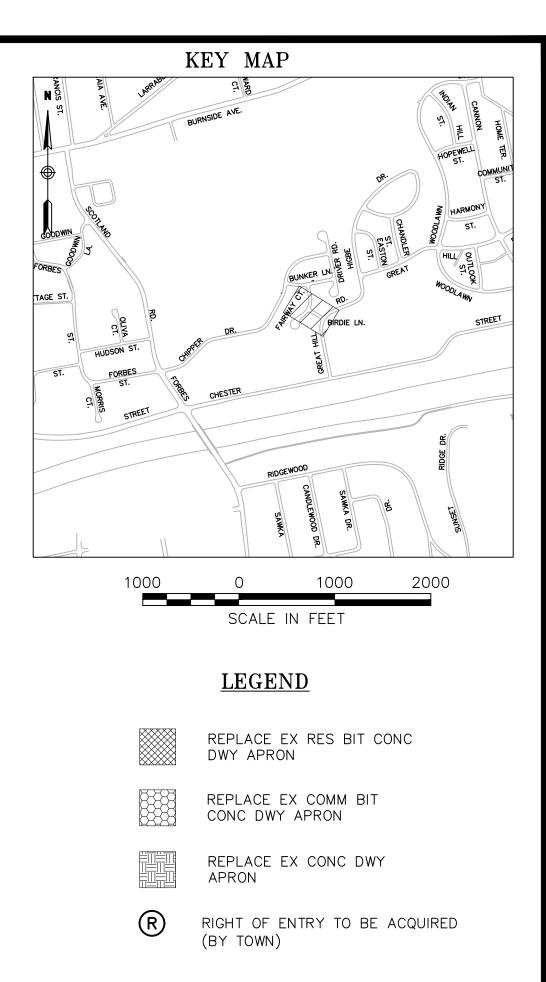
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NOTES:

- 1. THE CONTRACTOR SHALL COORDINATE AND EXCAVATE TEST PITS AT THE ANTICIPATED UTILITY CROSSING LOCATIONS WITH THE PROPOSED DRAINAGE STRUCTURES AND PIPES PRIOR TO CONSTRUCTING THE DRAINAGE IMPROVEMENTS AS REQUIRED AND AS APPROVED BY THE ENGINEER. MEASUREMENTS TO THE SERVICES AND MAINS SHALL BE TAKEN AND PROVIDED TO THE ENGINEER TO DETERMINE ANY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY UTILITY ADJUSTMENTS NECESSARY WITH THE UTILITY COMPANIES AND THE ENGINEER BEFORE COMMENCING WITH DRAINAGE IMPROVEMENTS.
- 2. THE CONTRACTOR SHALL REPLACE ANY CURBING ALONG DRIVEWAY APRONS AND DRIVEWAYS DISTURBED OR REMOVED DURING CONSTRUCTION WITH EQUIVALENT CURBING AS APPROVED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE DRIVEWAY RAMP WORK AND SHALL NOT BE MEASURED FOR PAYMENT.
- 3. FOR THE SPECIFIED DRIVEWAYS:
- SEE SPECIAL PROVISIONS FOR DRIVEWAY RECONSTRUCTION TABLES.
- 4, THE LIMIT OF WORK CALLOUT AT INTERSECTION ROADWAYS REPRESENTS THE PAY LIMIT FOR EACH ROADWAY.
- 5. THE CONTRACTOR SHALL REGRADE AND REESTABLISH VEGETATION AT THE BACK OF THE PROPOSED SIDEWALK AND SIDEWALK RAMPS TO THE LIMITS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROTECT THE RIGHT OF WAY BOUNDARY DURING THE CONSTRUCTION OF THE SIDEWALK AND SIDEWALK RAMPS. ANY DAMAGE TO THE RIGHT OF WAY BOUNDARY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 6. SEE INTERSECTION GRADING PLANS FOR EDGE OF PAVEMENT ELEVATIONS NOT SHOWN ON THIS SHEET.
- 7. THE CONTRACTOR SHALL RESET FENCES THAT ARE AFFECTED BY THE CONSTRUCTION OF SIDEWALK AND SIDEWALK RAMPS. THE COST TO RESET FENCE SHALL BE PAID FOR UNDER THE VARIOUS RESET FENCE ITEMS.
- 8. THE CONTRACTOR SHALL PROTECT LANDSCAPED AREAS WITHIN THE LIMITS OF WORK WHERE POSSIBLE. LANDSCAPED AREAS THAT ARE DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED. THE COST TO RESTORE LANDSCAPED AREAS SHALL BE INCLUDED IN THE GENERAL COST OF WORK.

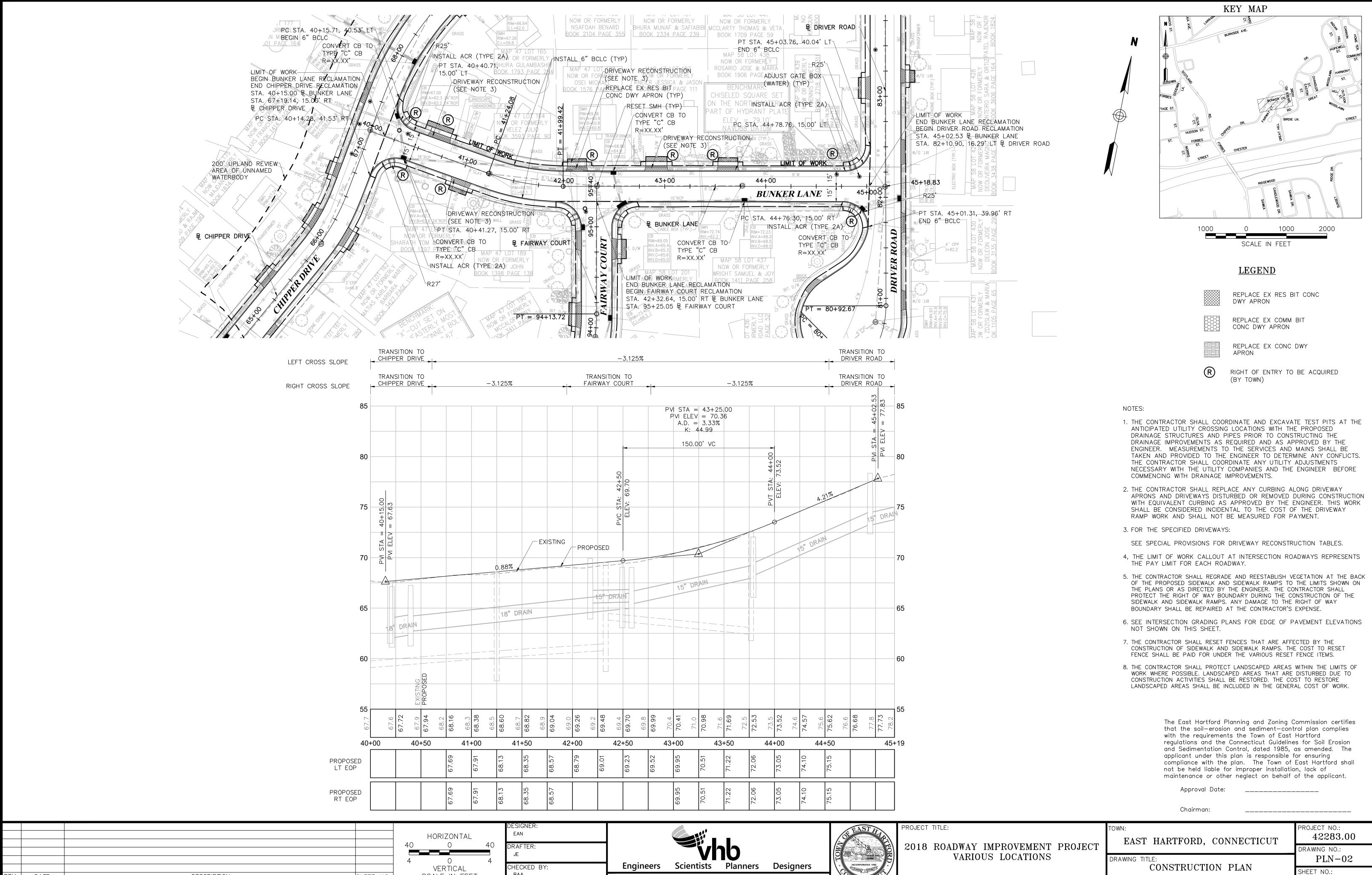
The East Hartford Planning and Zoning Commission certifies that the soil-erosion and sediment-control plan complies with the requirements the Town of East Hartford regulations and the Connecticut Guidelines for Soil Erosion and Sedimentation Control, dated 1985, as amended. The applicant under this plan is responsible for ensuring compliance with the plan. The Town of East Hartford shall not be held liable for improper installation, lack of maintenance or other neglect on behalf of the applicant.

Approval Date: ____

	TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00		
DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-01		
PLN-BIRDIE-4228300.DWG	CONSTRUCTION PLAN BIRDIE LANE	SHEET NO.: XX OF XX		

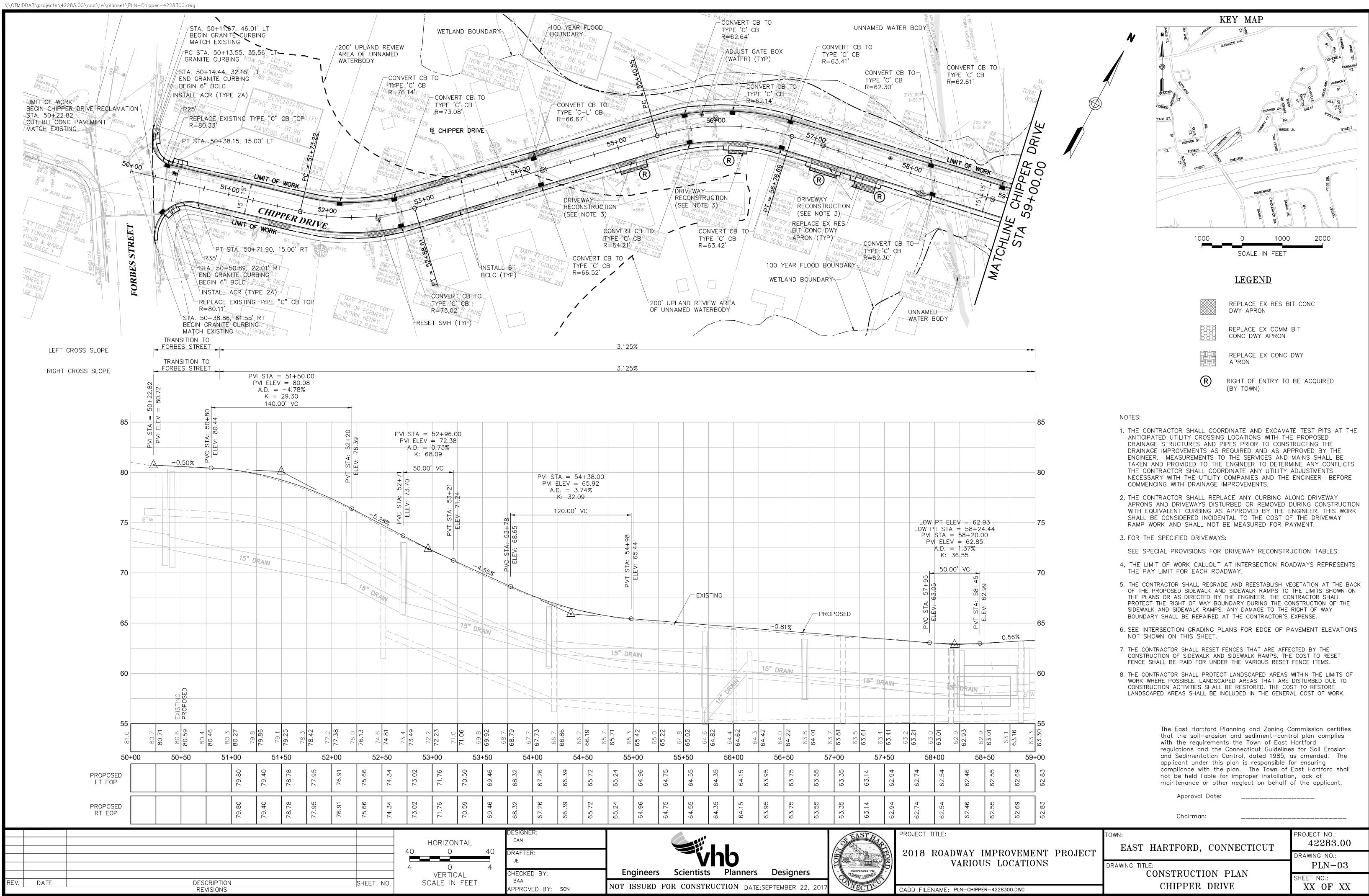
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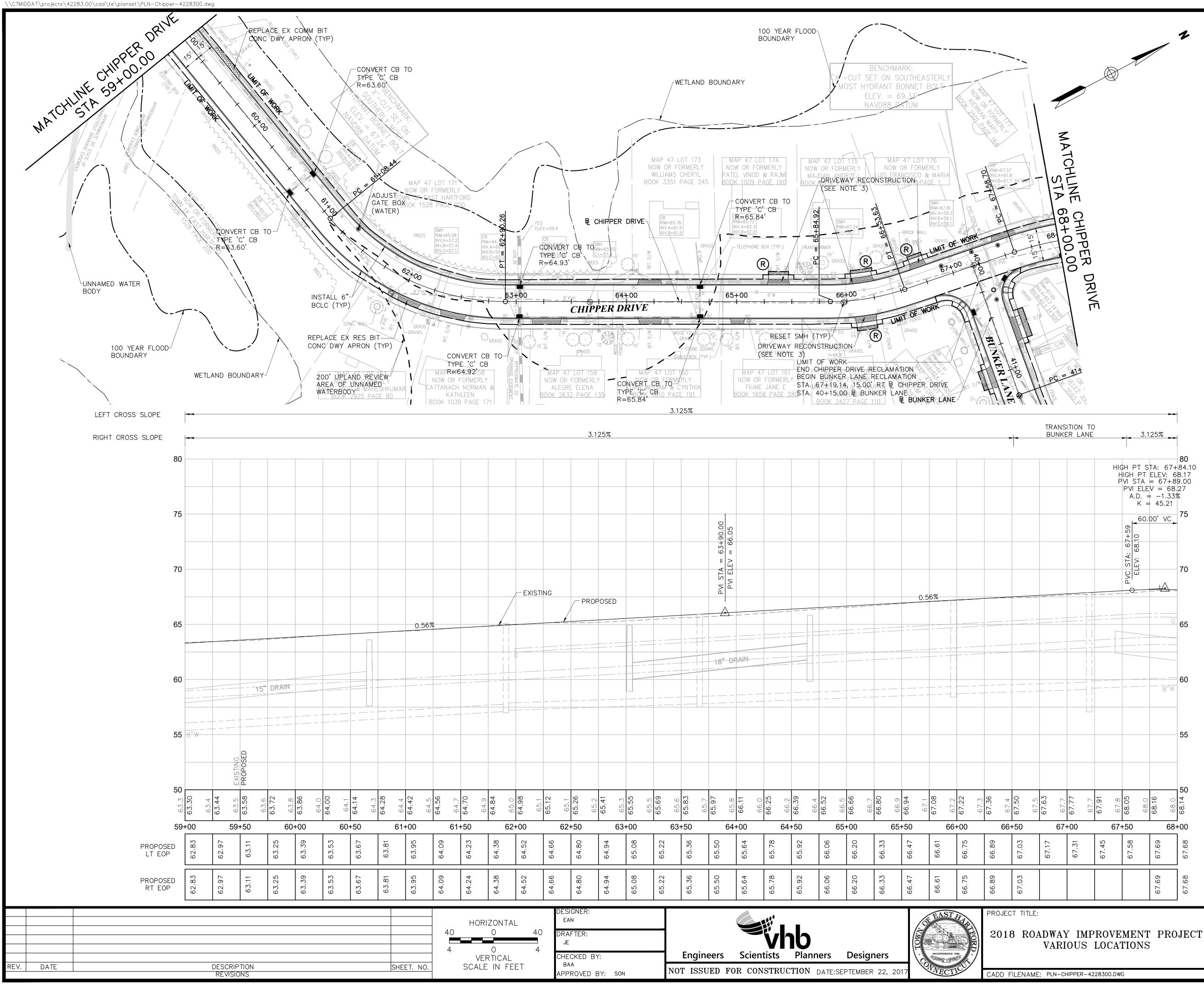
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DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-02
PLN-BUNKER-4228300.DWG	CONSTRUCTION PLAN BUNKER LANE	SHEET NO.: XX OF XX

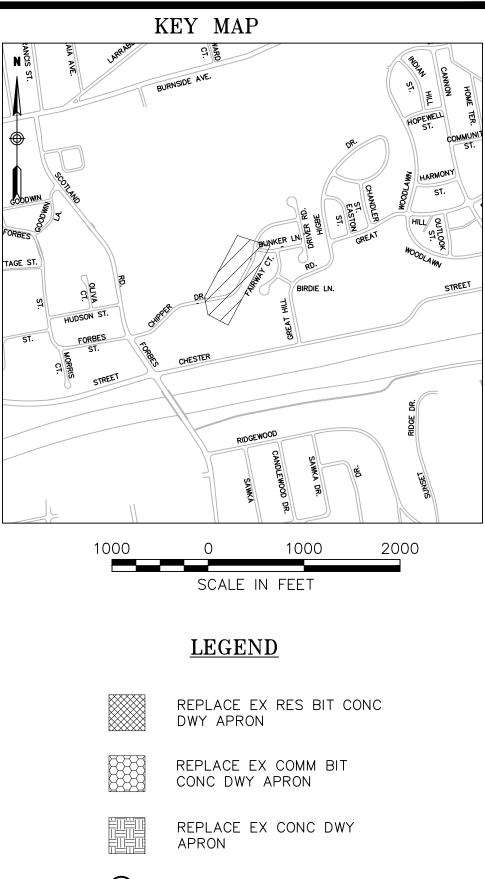


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Nov 28, 2017





R RIGHT OF ENTRY TO BE ACQUIRED (BY TOWN)

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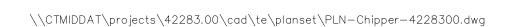
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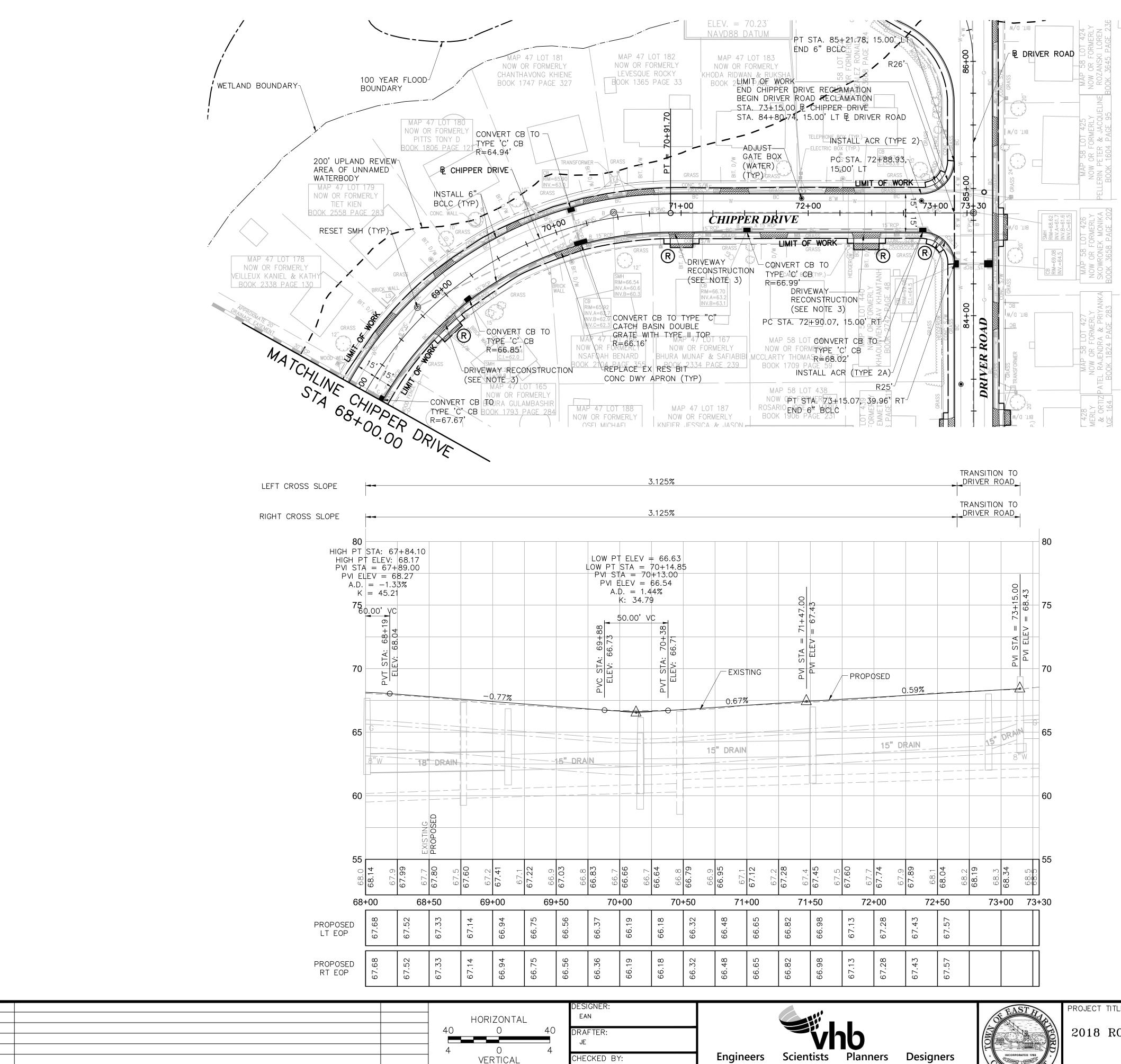
Approval Date:

Chairman:

ROJECT NO .: TOWN: 42283.00 EAST HARTFORD, CONNECTICUT DRAWING NO .: PLN-04DRAWING TITLE: CONSTRUCTION PLAN SHEET NO.: XX OF XX CHIPPER DRIVE

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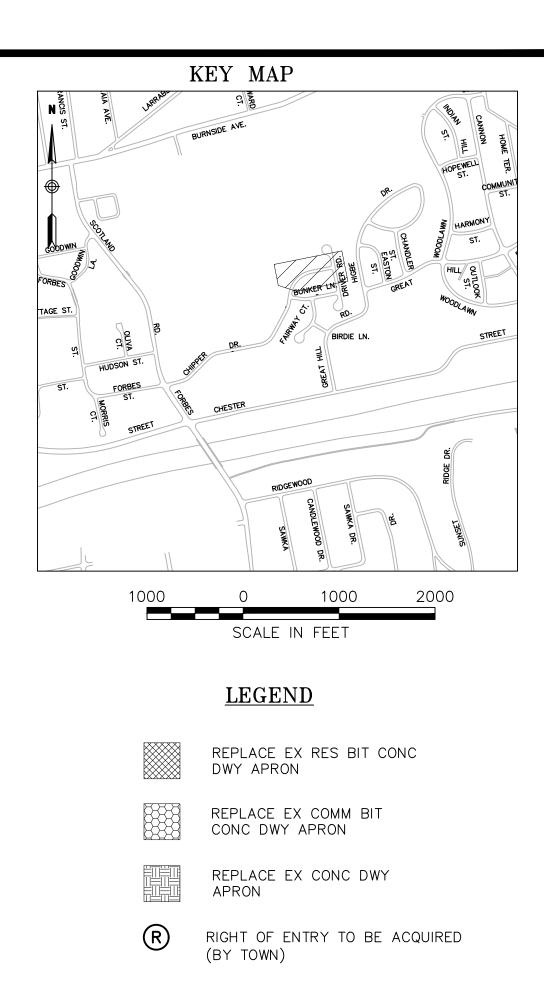
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DESCRIPTION

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IZONTAL 0 40	DESIGNER: EAN DRAFTER: JE	vhb	EAST IIIIII	PROJECT TITLE:
0 4 RTICAL	CHECKED BY:	Engineers Scientists Planners Designers	INCORPORATED 1783	
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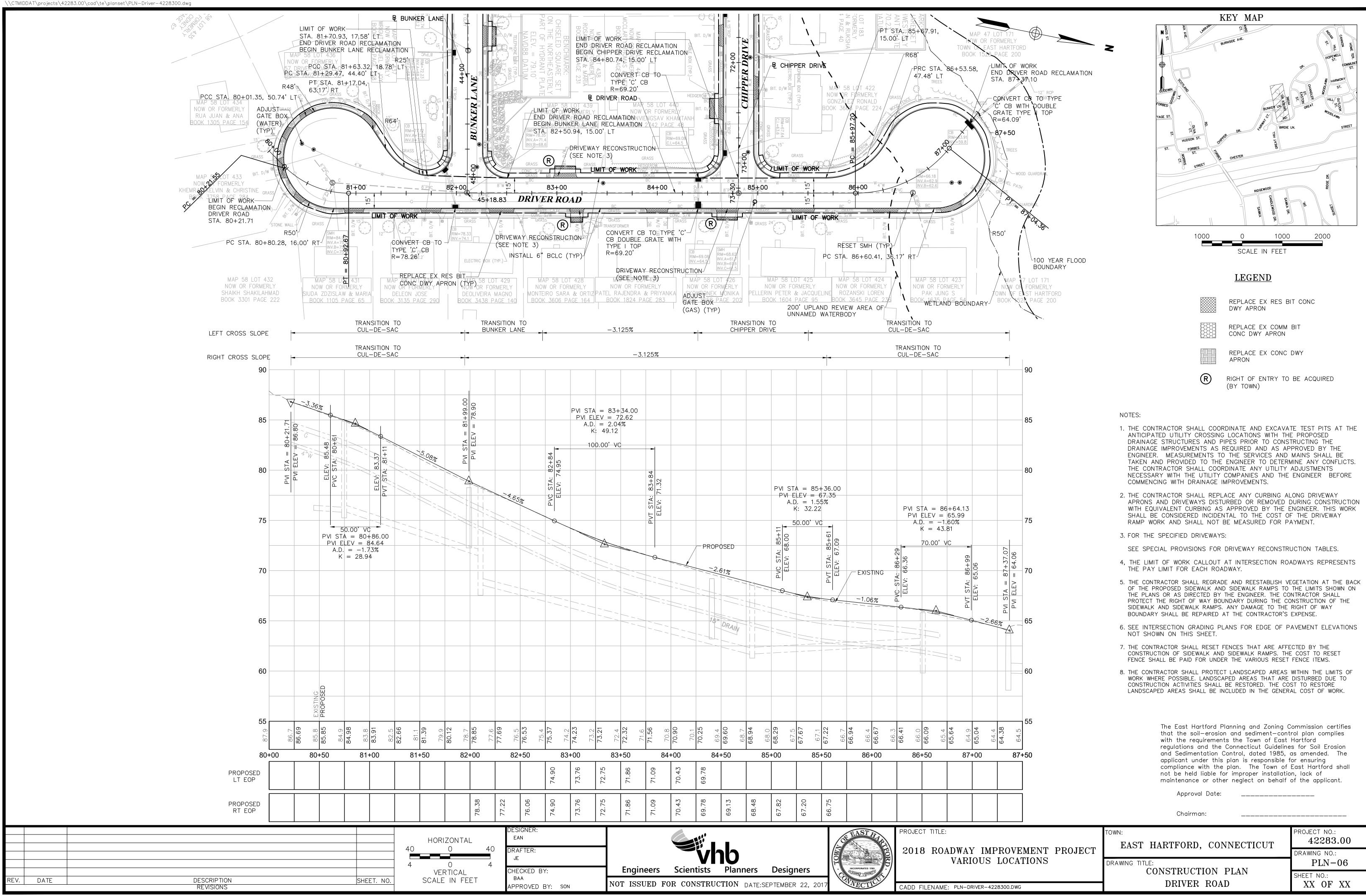
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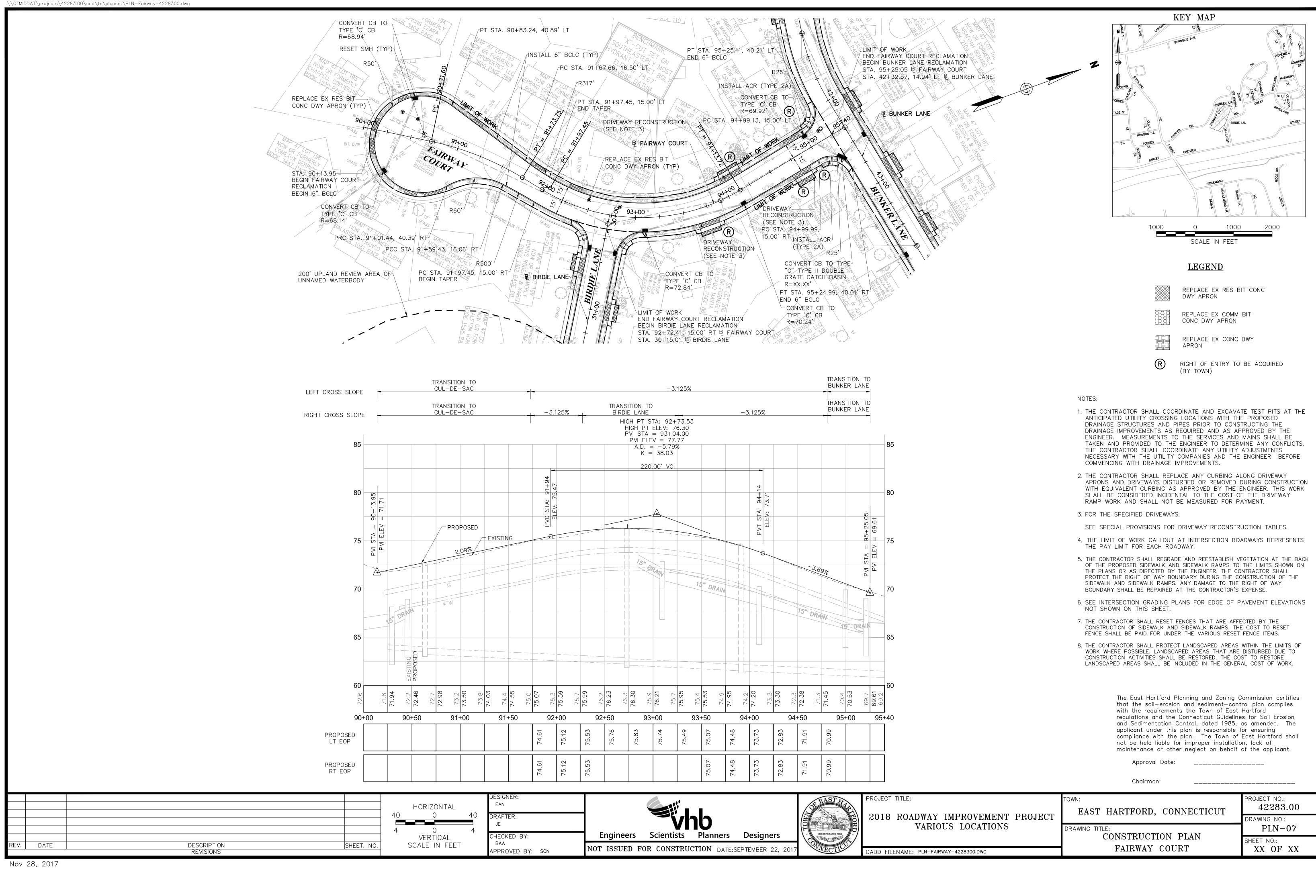
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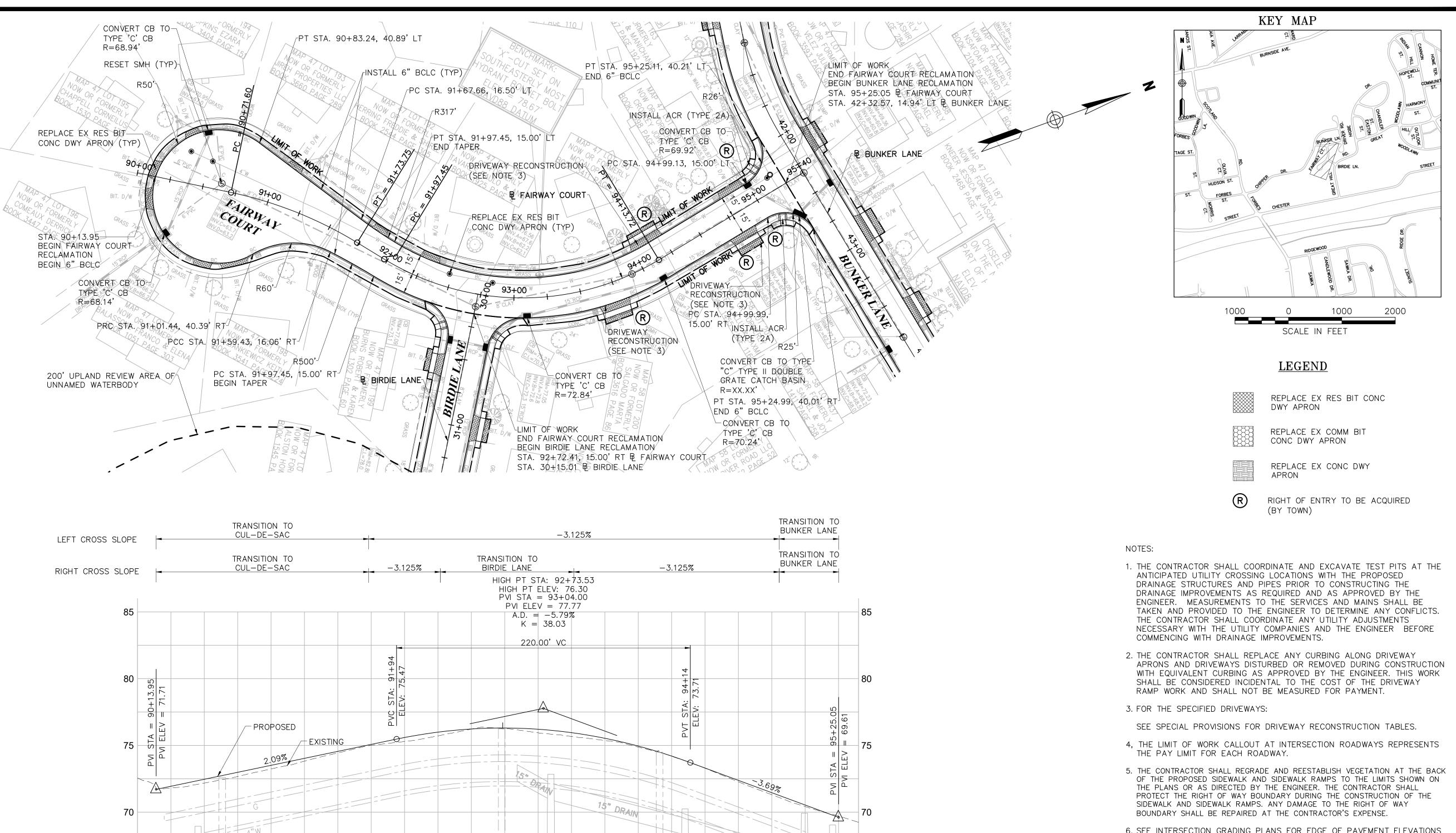
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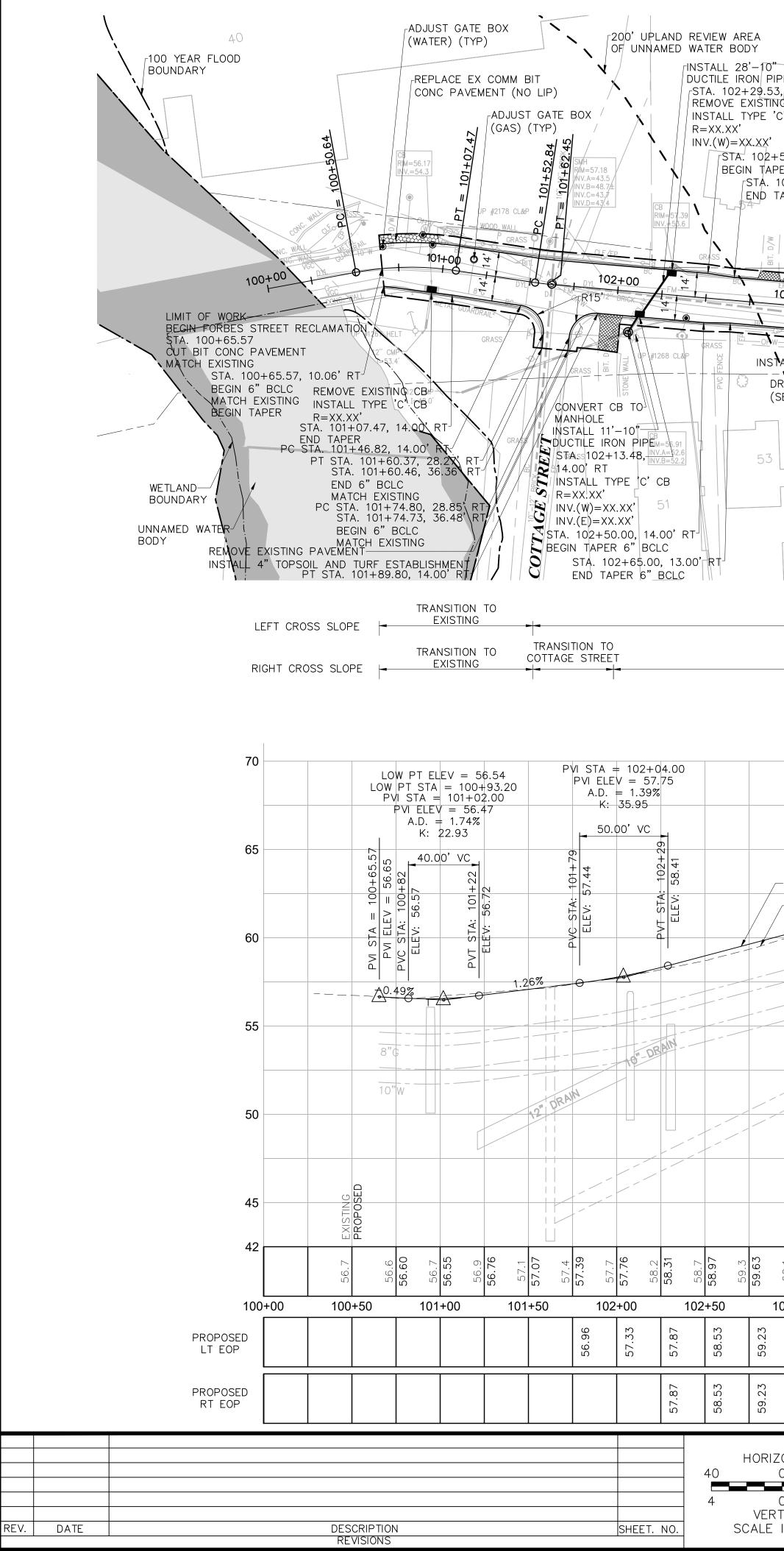
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DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-05
	CONSTRUCTION PLAN CHIPPER DRIVE	SHEET NO.: XX OF XX
PLN-CHIPPER-4228300.DWG		





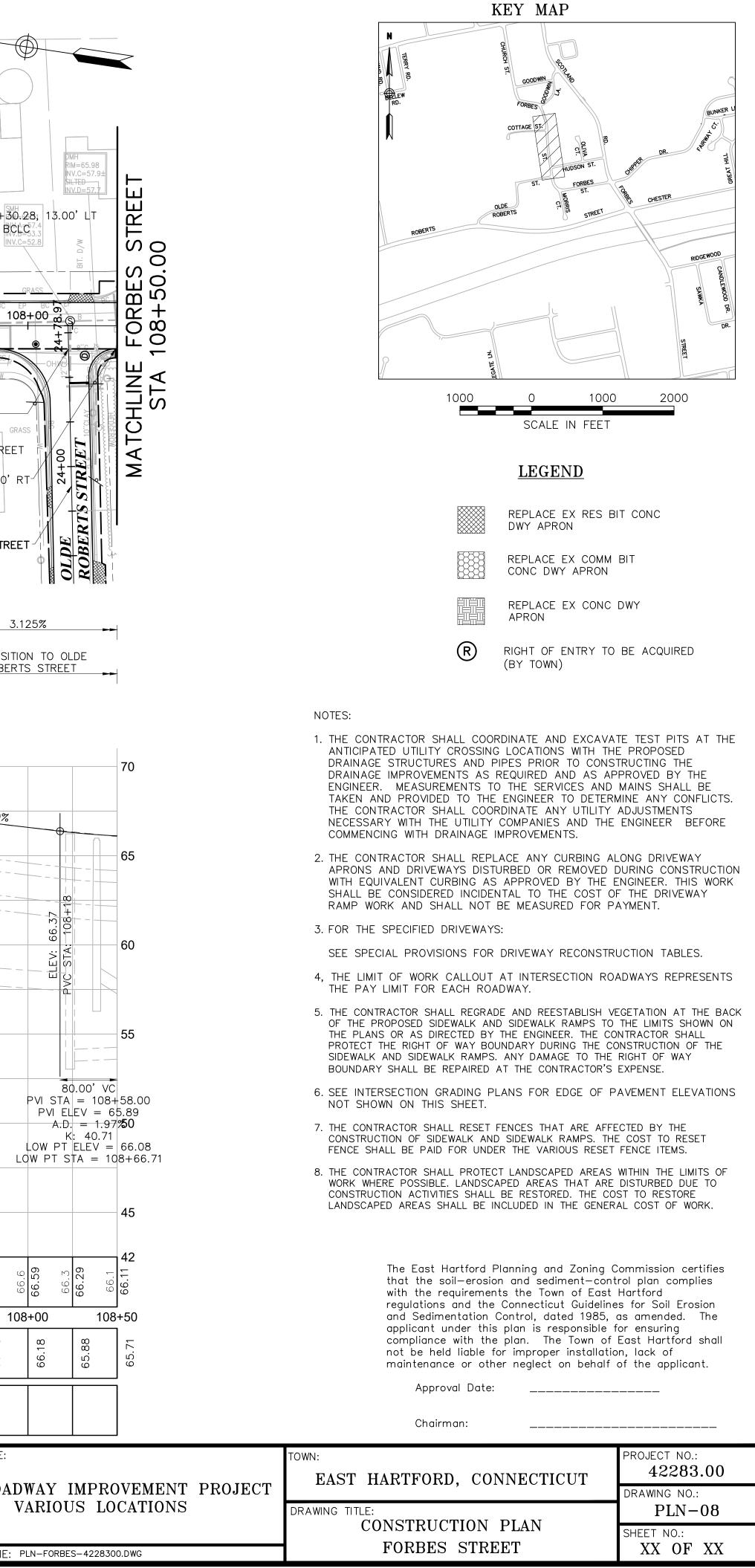


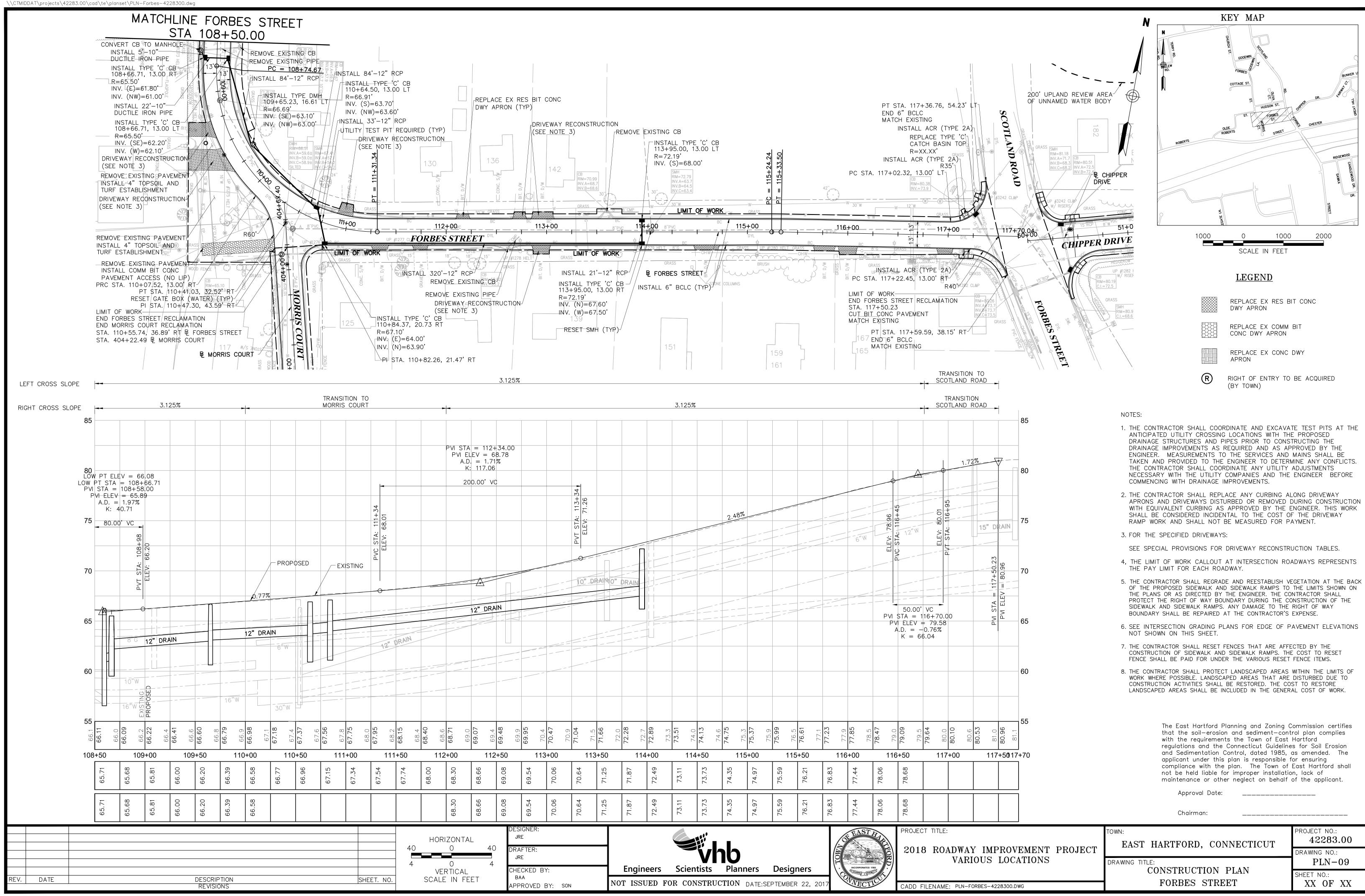
	TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00
DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-07
: PLN-FAIRWAY-4228300.DWG	CONSTRUCTION PLAN FAIRWAY COURT	SHEET NO.: XX OF XX



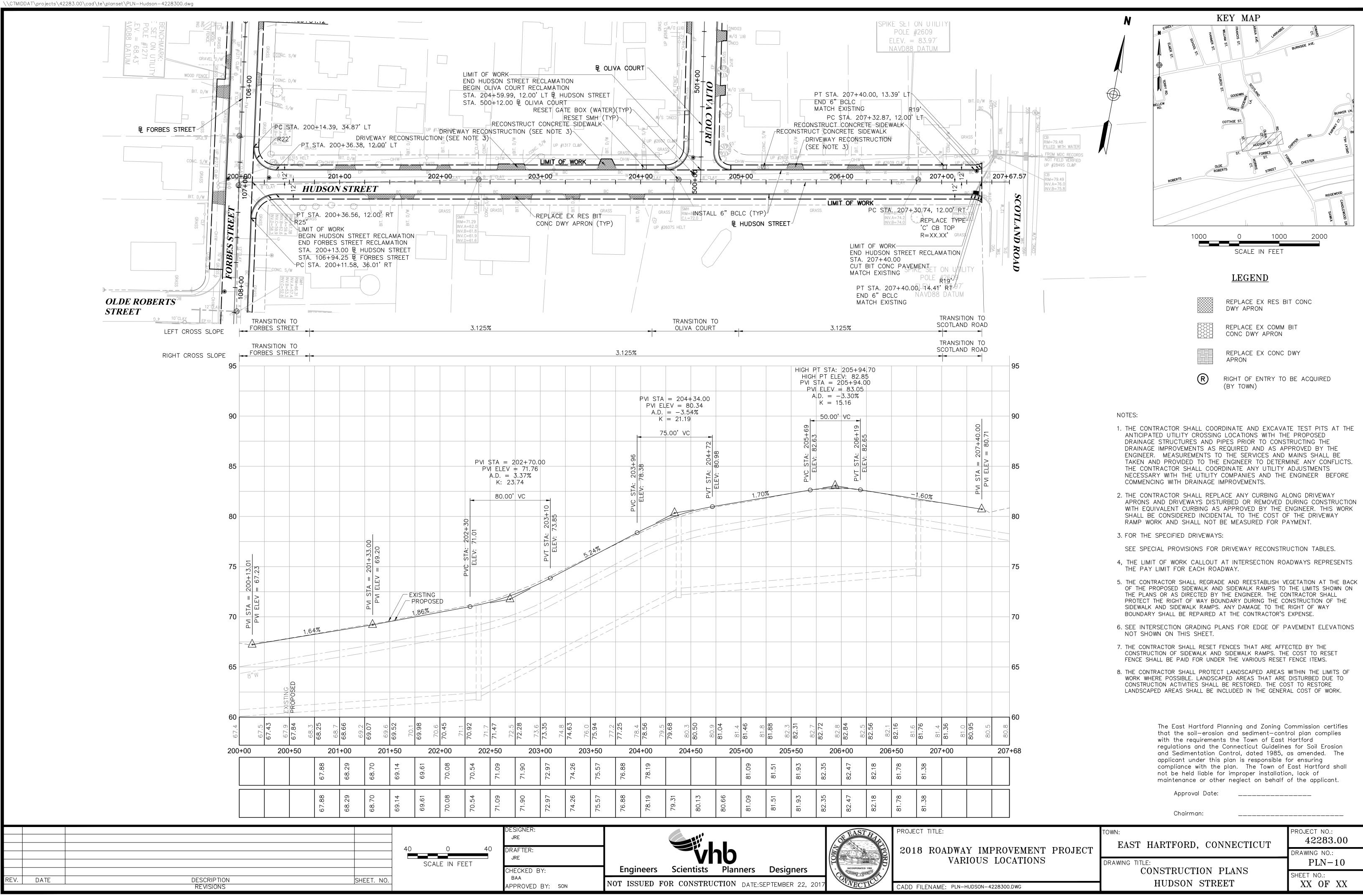
Nov 28, 2017

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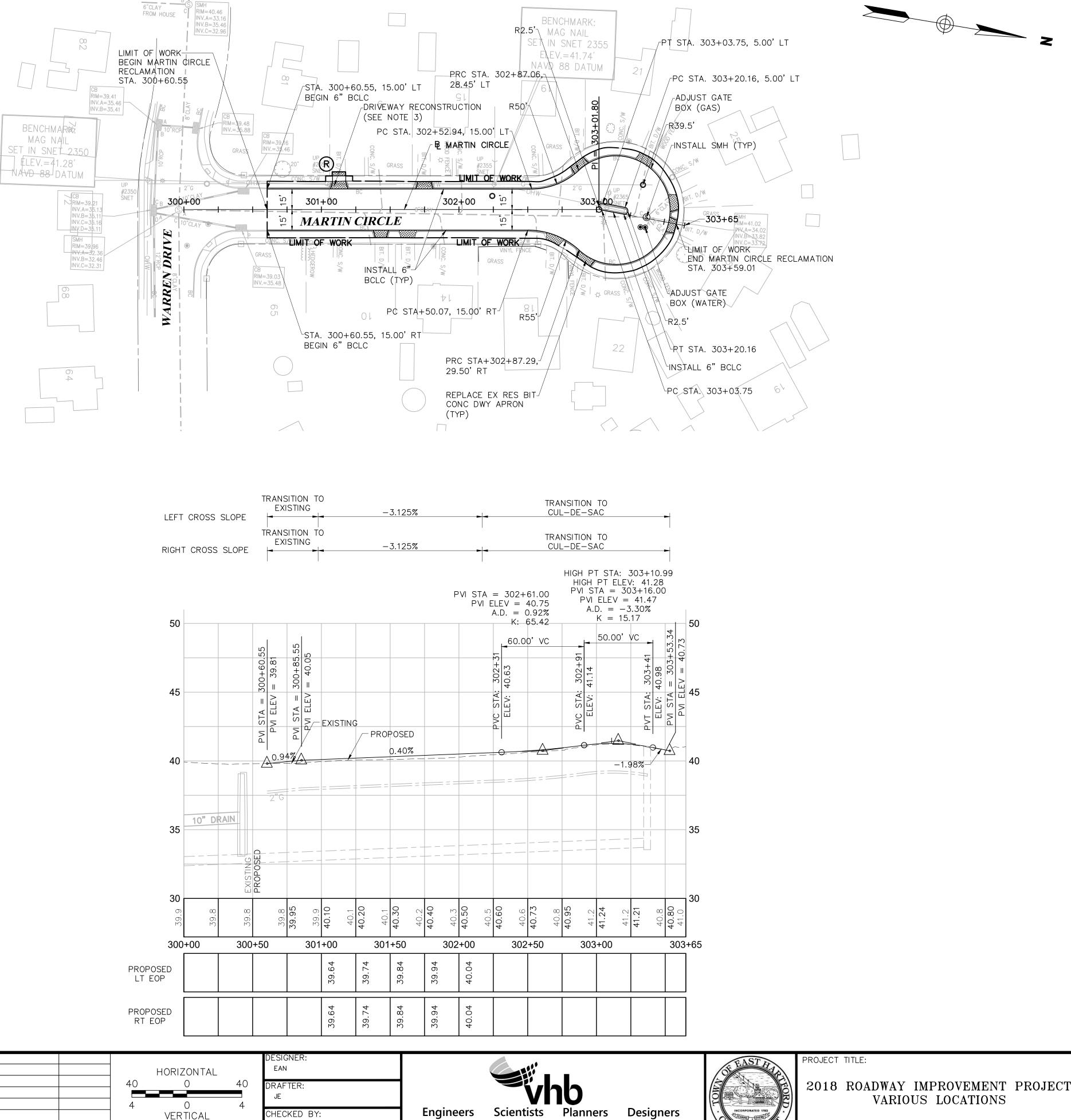


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NOT ISSUED FOR CONSTRUCTION DATE:SEPTEMBER 22, 201

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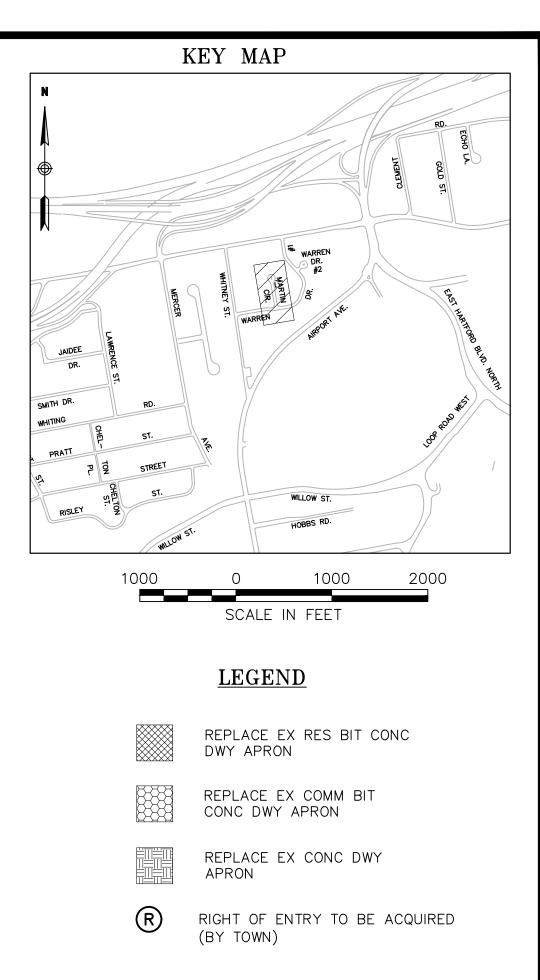
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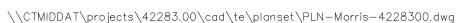
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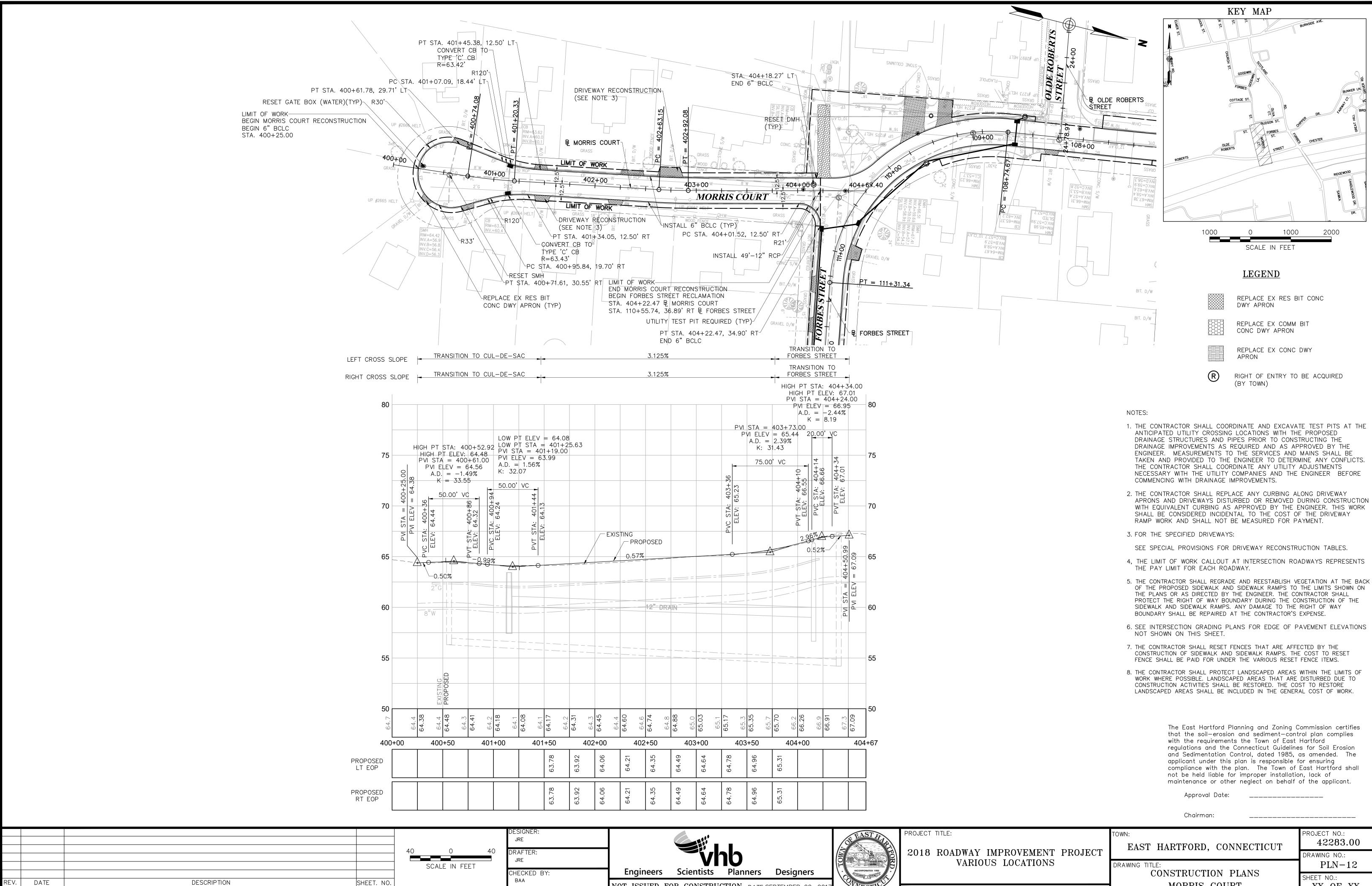
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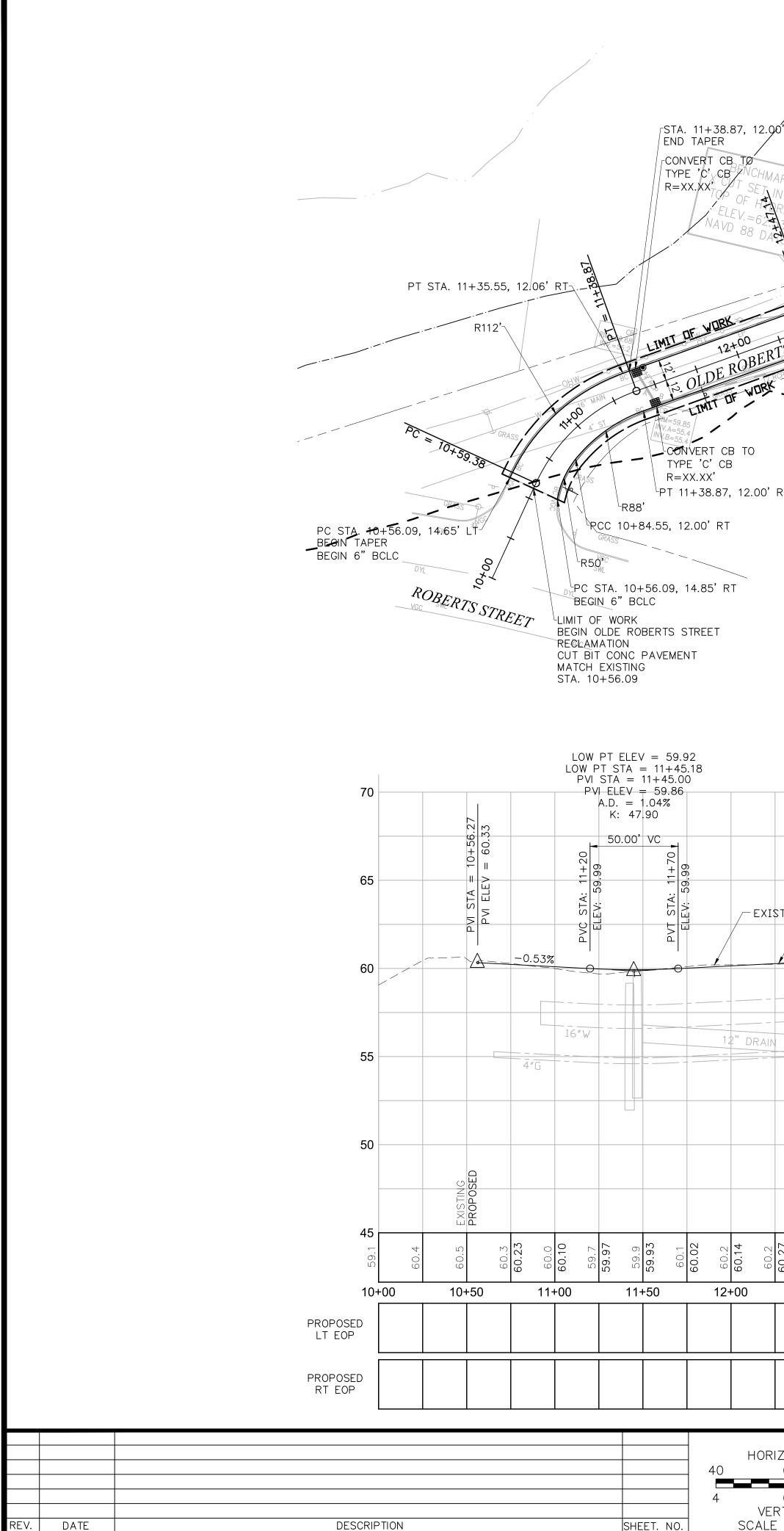
DWAY IMPROVEMENT PROJECT DRAWING NO.: VARIOUS LOCATIONS DRAWING TITLE: PLN-11 CONSTRUCTION PLAN SHEET NO.:		TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00
SHEET NO.:	DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	
PLN-MARTIN-4228300.DWG MARTIN CIRCLE XX OF XX	PIN-MARTIN-4228300 DWG	MARTIN CIRCLE	





REVISIONS

	DESIGNER: JRE		(Standard		TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00	
IN FEET	DRAFTER: JRE	Engineers Scientists Planners Designers	INCORPORATED 1783	2018 ROADWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-12	
	CHECKED BY: BAA APPROVED BY: SON	NOT ISSUED FOR CONSTRUCTION DATE:SEPTEMBER 22, 2017	Steamer grants	CADD FILENAME: PLN-MORRIS-4228300.DWG	CONSTRUCTION PLANS MORRIS COURT	SHEET NO.: XX OF XX	



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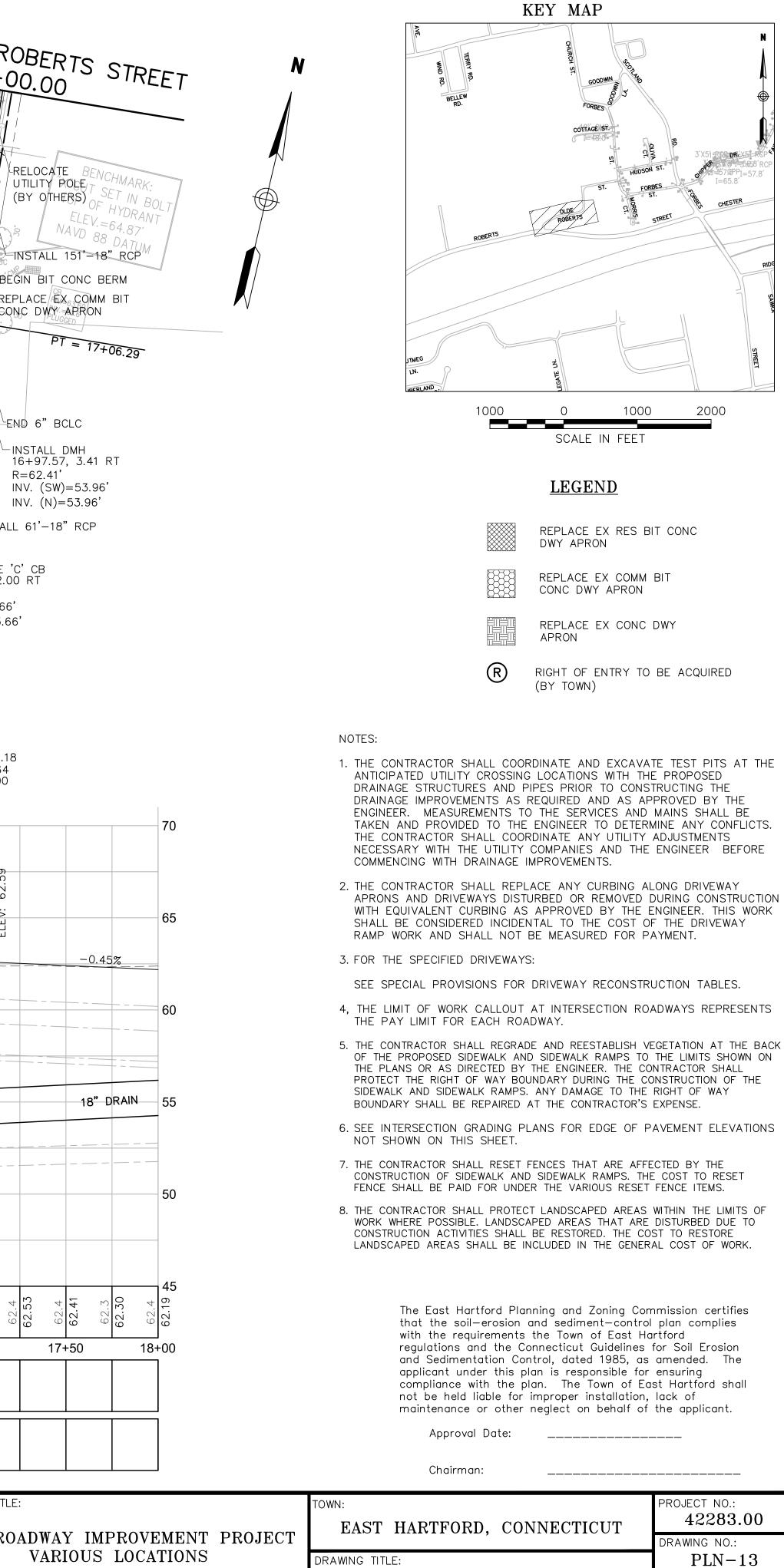
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APPROVED BY: SON

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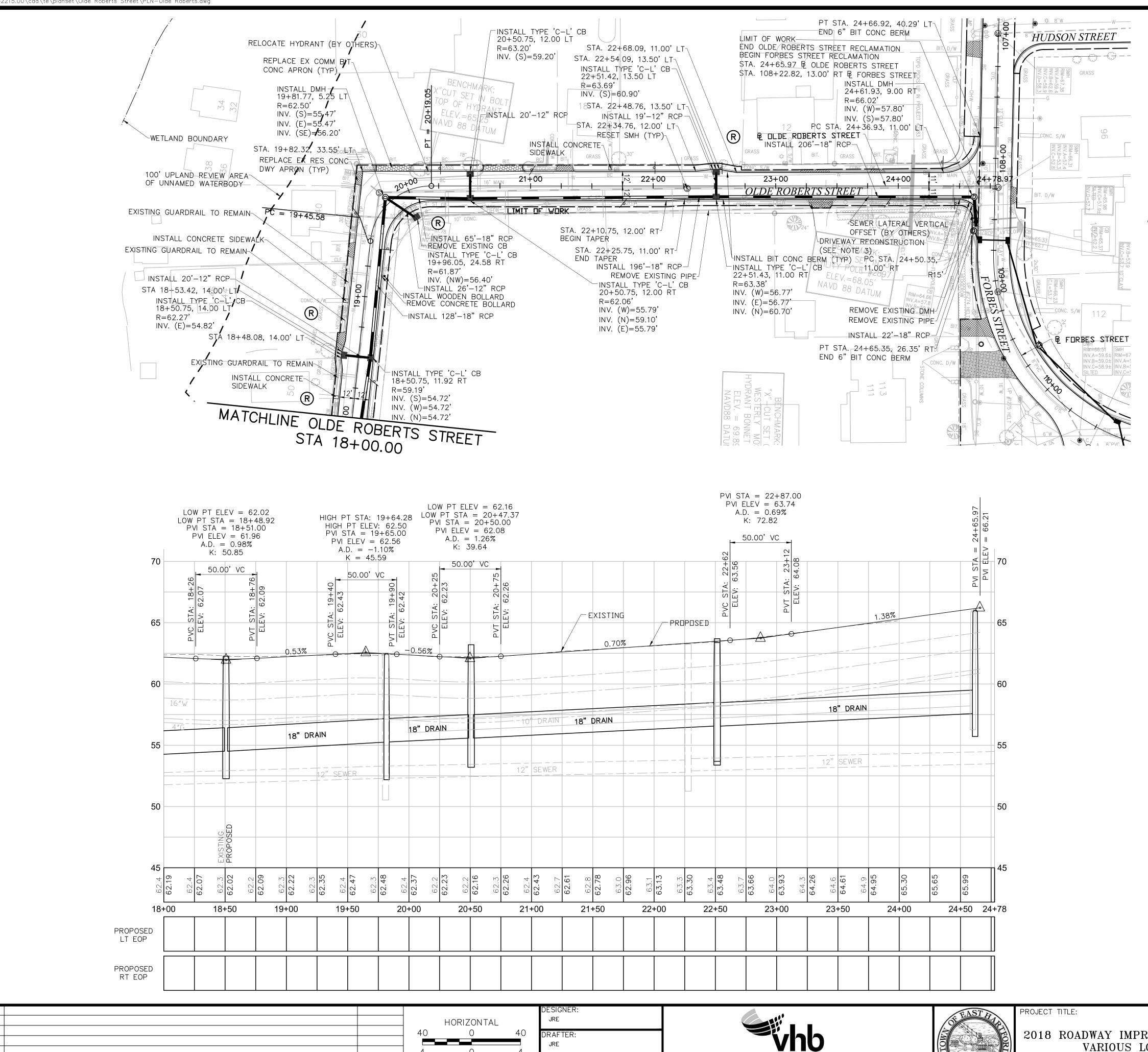
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 CONSTRUCTION PLAN
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 CADD FILENAME: PLN-OLDE ROBERTS.DWG
 OLDE ROBERTS STREET
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PLIN-13 SHEET NO.: XX OF XX





VERTICAL SCALE IN FEET

APPROVED BY: SON

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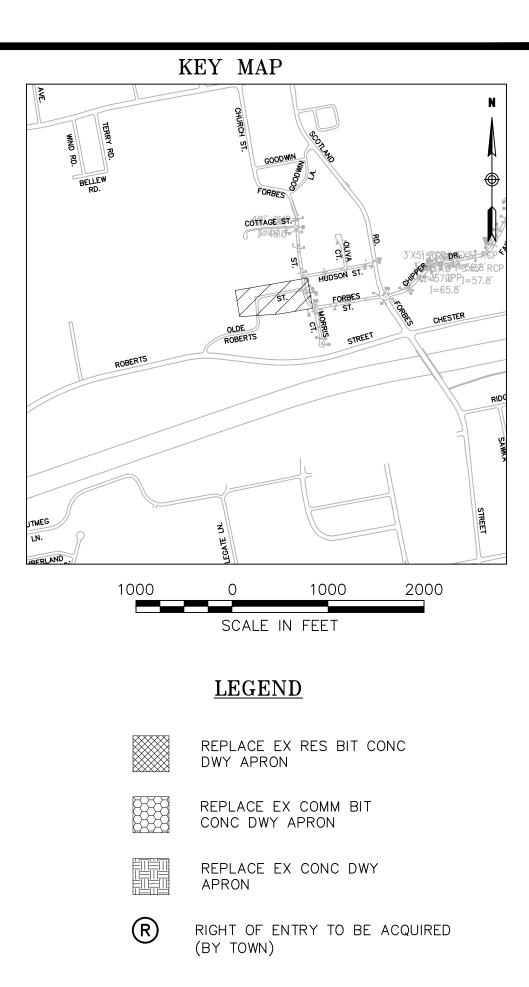
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DESCRIPTION

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4	CHECKED BY:	Engineers	Scientists	Planners	Designers	INCORPORATED 1783	
	BAA APPROVED BY: SON	NOT ISSUED F	OR CONSTRU	CTION DATE:	SEPTEMBER 22, 2	2017 WECTICE	CAI

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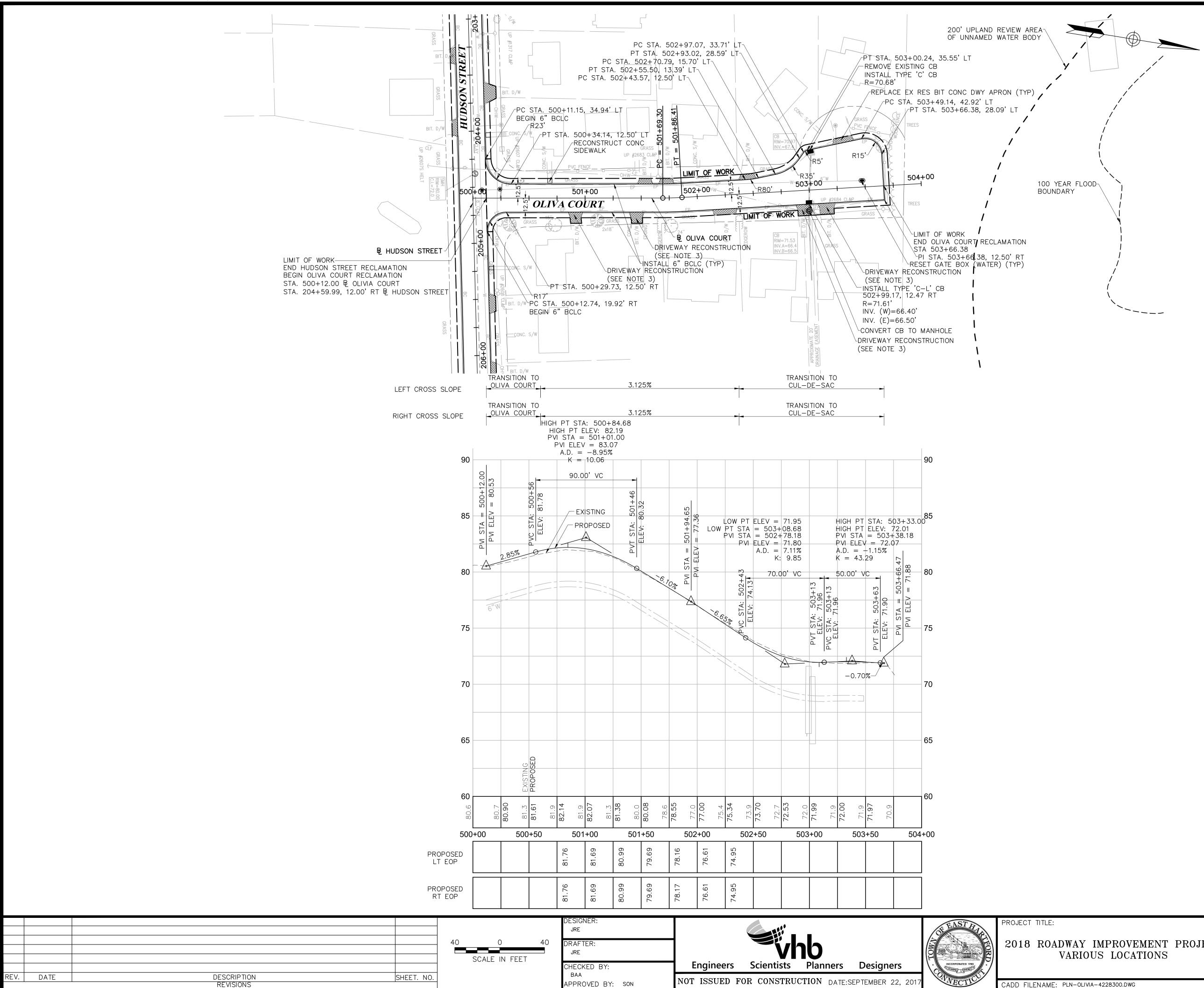
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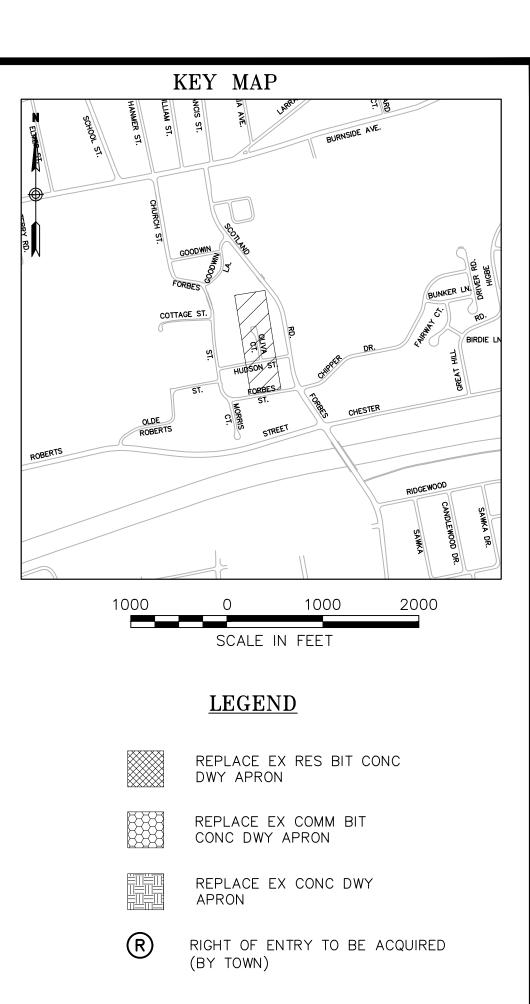
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Approval Date:

	TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00		
WAY IMPROVEMENT PROJECT ARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-14		
	CONSTRUCTION PLAN	SHEET NO.:		
LN-OLDE ROBERTS.DWG	OLDE ROBERTS STREET	XX OF XX		







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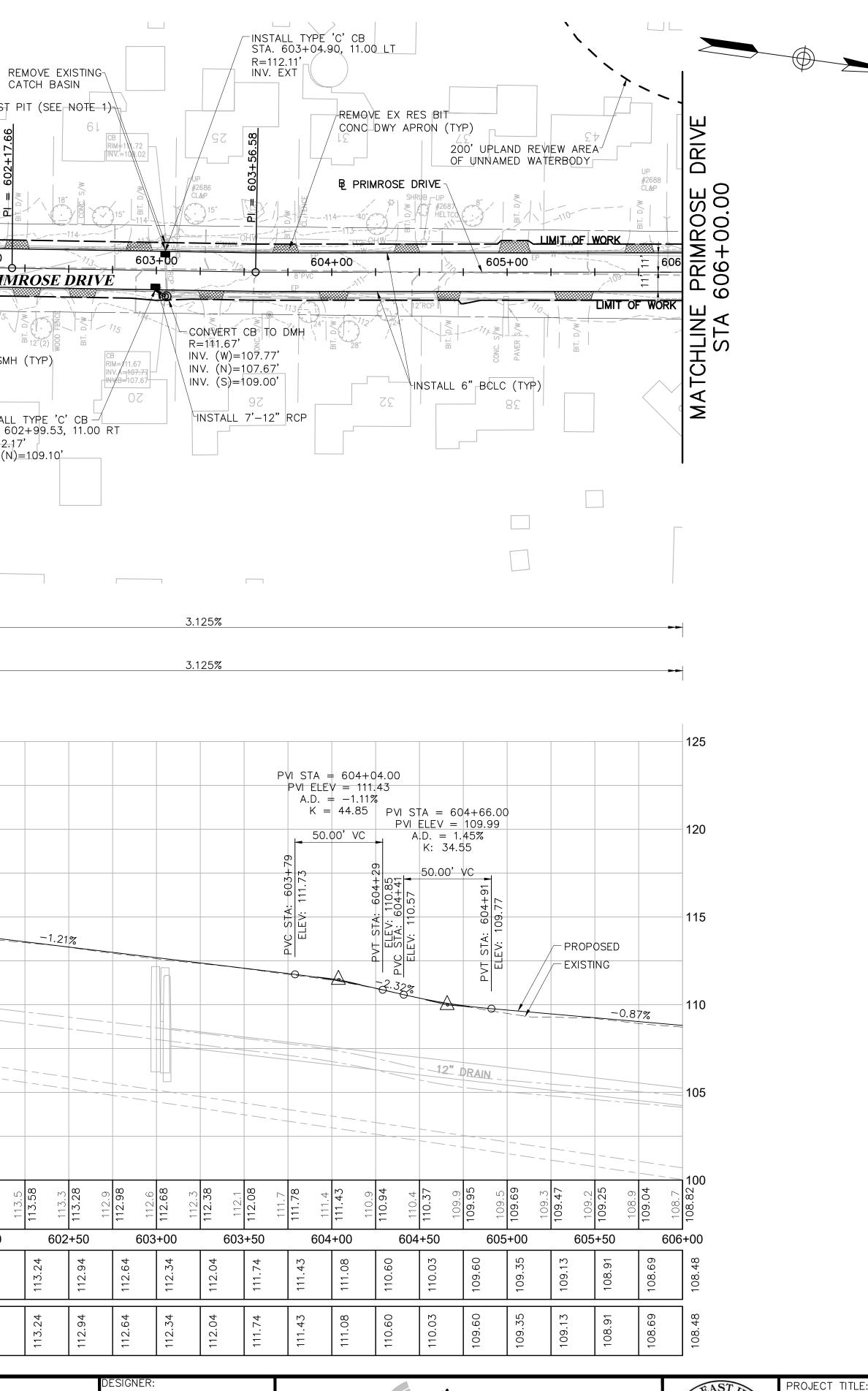
Approval Date: ____

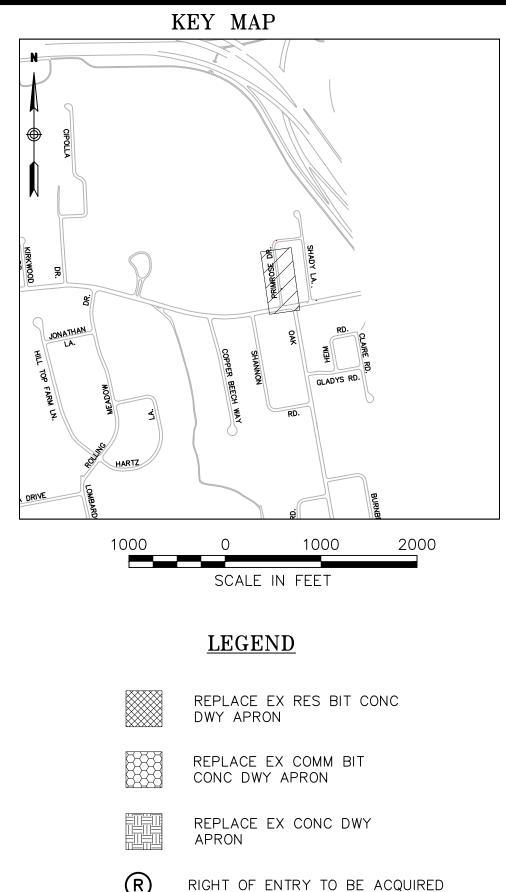
	TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00
DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	drawing no.: PLN-15
PLN-OLIVIA-4228300.DWG	CONSTRUCTION PLAN OLIVA COURT	SHEET NO.: XX OF XX

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	REPLACE EX CONC APRON	
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Harmonic and the second sec	Approval Date:	
Image: Designer: Image: Designer: <td>TOWN:</td> <td>PROJECT NO.: 42283.00</td>	TOWN:	PROJECT NO.: 42283.00
40 0 40 4 0	DRAWING TITLE:	DRAWING NO.: PLN-16
Image: Construction of the co	CONSTRUCTION PLAN PRIMROSE DRIVE	SHEET NO.: XX OF XX

Nov 28, 2017

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REV.	DATE	DESCRIPTION SHEET. NO.	S	SCALE
		REVISIONS		

Nov 28, 2017

REMOVE EXISTING CB INSTALL TYPE 'C' CATCH BASIN $^{\setminus}$ R=107.58'

PT 607+18.79, 11.27' LT∖

R65'

REMOVE EX RES BIT

REPLACE YYPE "C-L" CB TOP

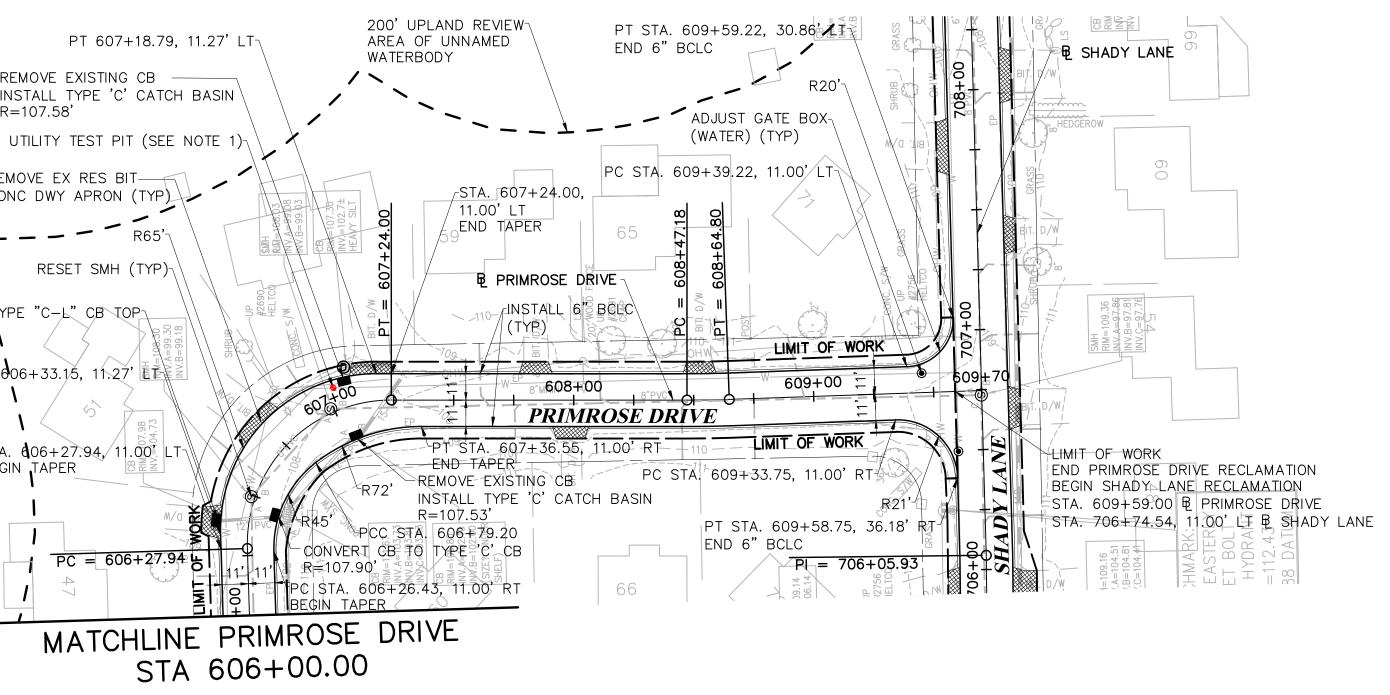
BEGIN TAPER

PC STA. 606+33.15, 11.27

STA. **d**06+27.94, 11.00⁷ L⁻

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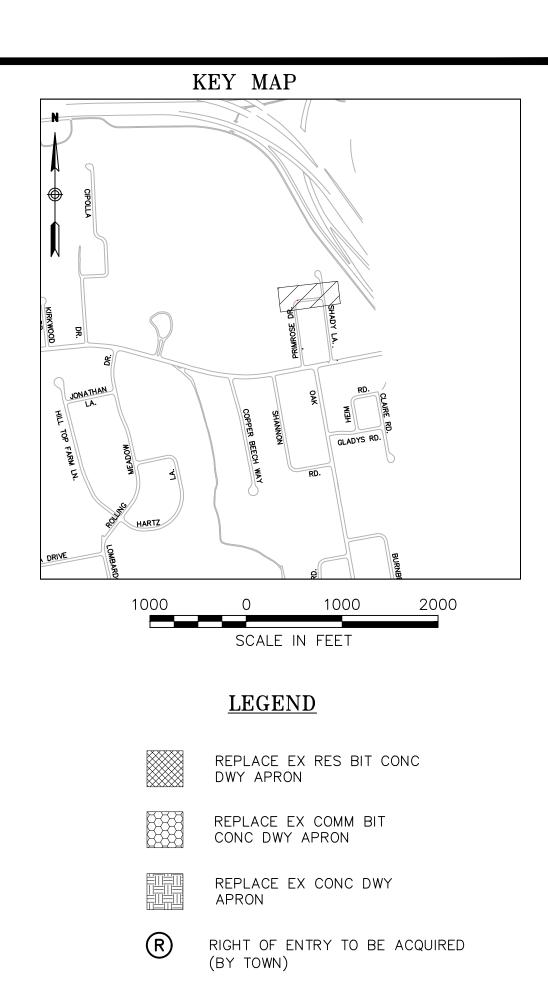
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PROPOSED RT EOP	108.48	108.26	108.01	107.80	107.70	107.78	107.92		108.03	108.15		108.27	108.39	108.50		108.62				

RIZONTAL 0 40 0 4 RTICAL	DESIGNER: EAN DRAFTER: JE CHECKED BY:	Engineers Scientists Planners Designers	INCORPORATED 1783	PROJECT TITLE: 2018 ROA
E IN FEET	BAA APPROVED BY: SON	NOT ISSUED FOR CONSTRUCTION DATE:SEPTEMBER 22, 2017	NECTICO	CADD FILENAME:





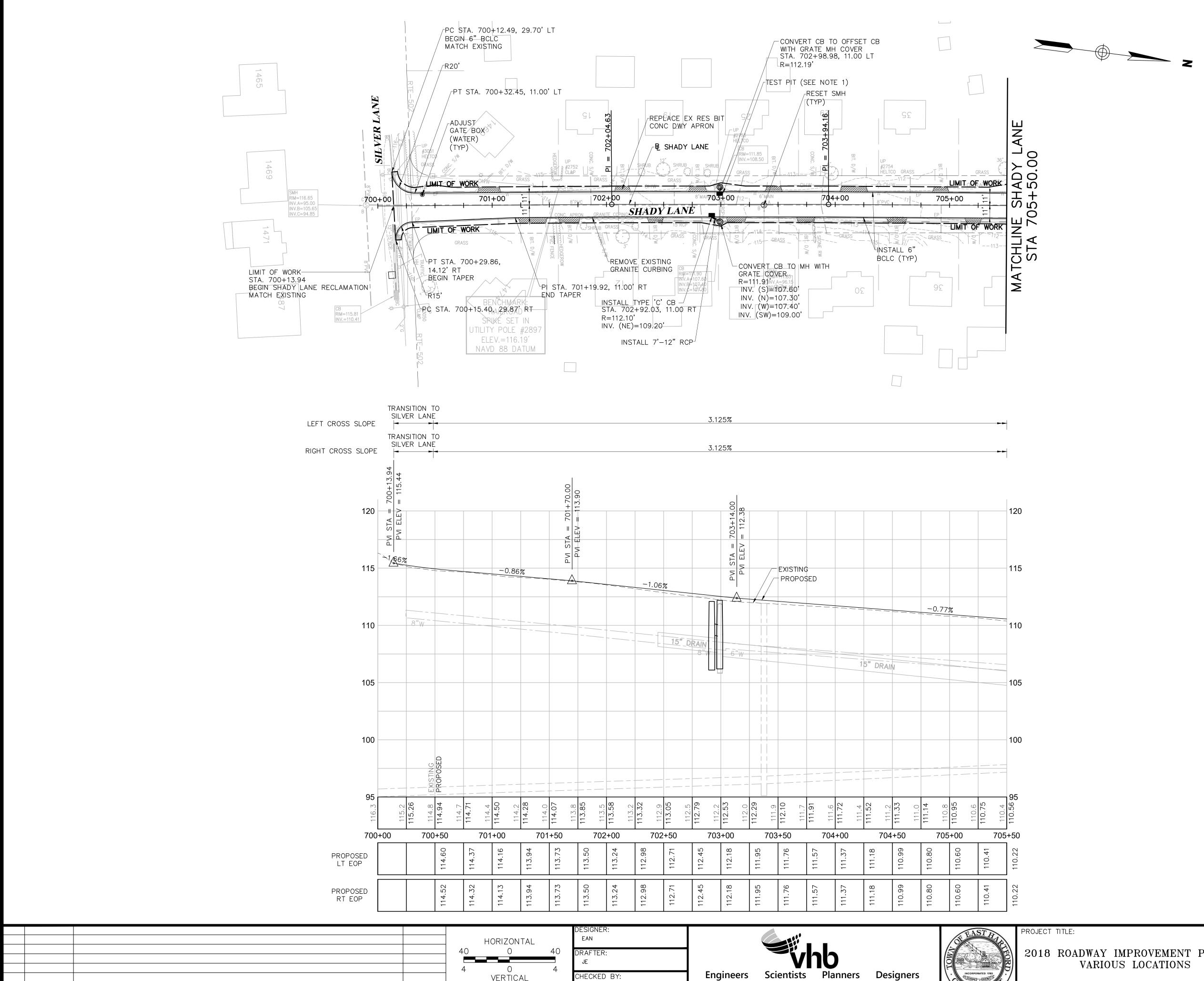
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Approval Date:

	TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00
DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-17
PLN-PRIMROSE-4228300.DWG	CONSTRUCTION PLAN PRIMROSE DRIVE	SHEET NO.: XX OF XX



Nov 28, 2017

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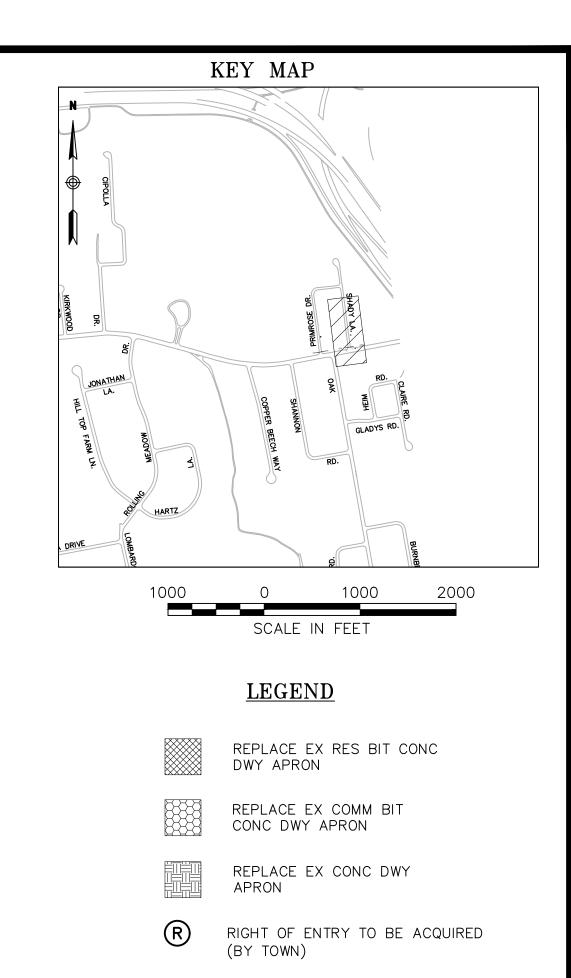
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	TOWN: EAST HARTFORD, CONNECTICUT	PROJECT NO.: 42283.00
DWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-18
PLN-SHADY-4228300.DWG	CONSTRUCTION PLAN SHADY LANE	SHEET NO.: XX OF XX

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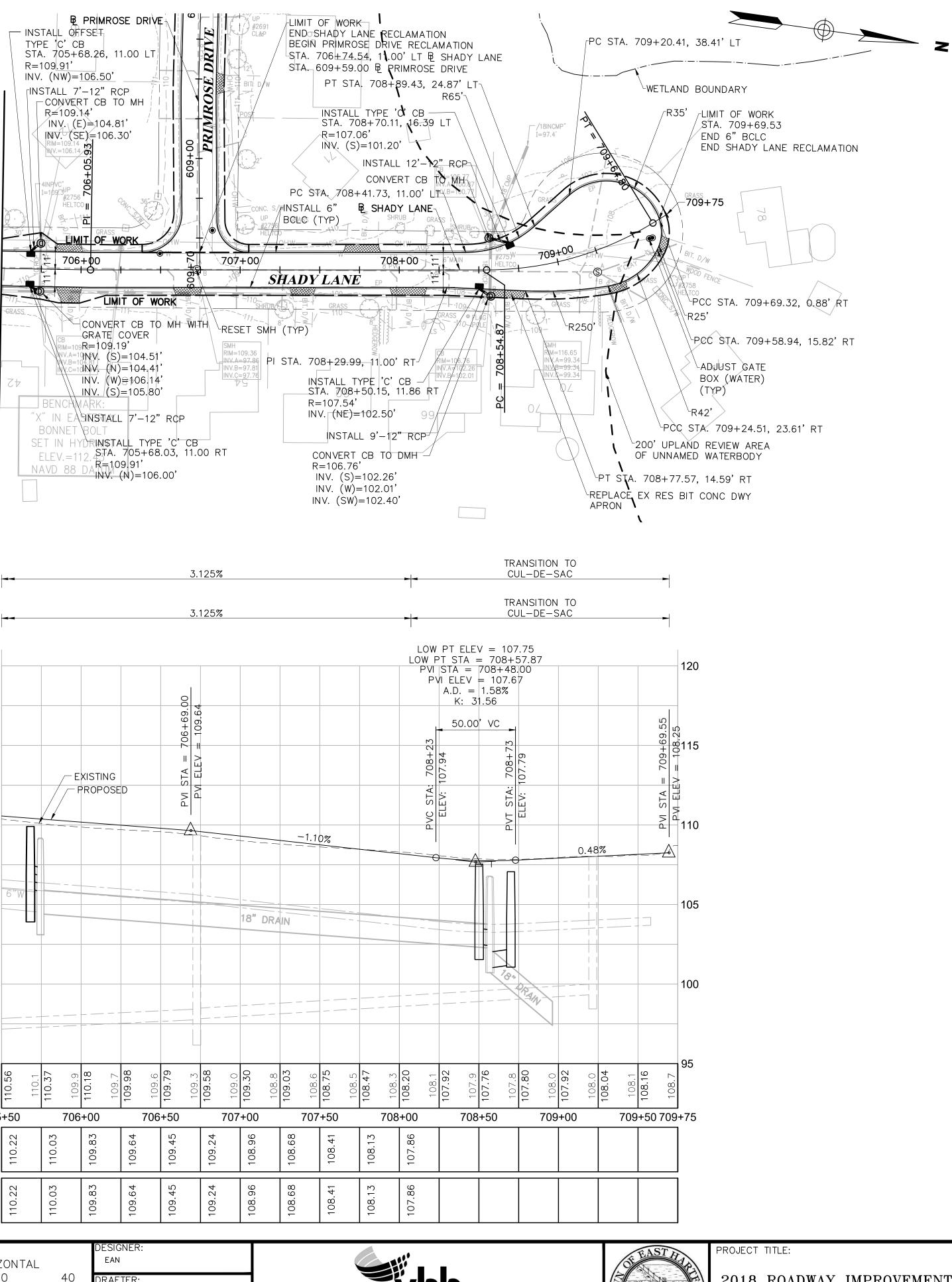
Nov 28, 2017

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DATE

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APPROVED BY: SON

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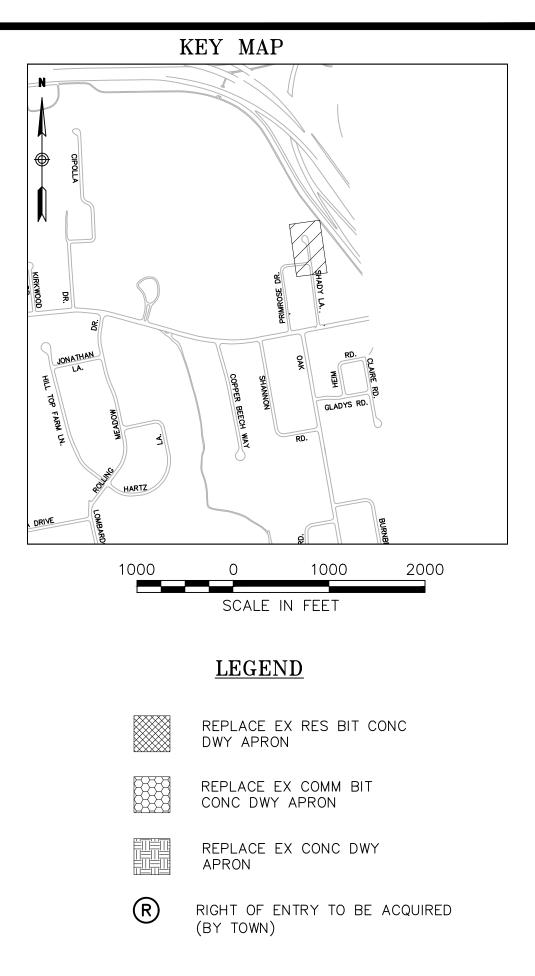
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2018 ROA

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ADWAY IMPROVEMENT PROJECT VARIOUS LOCATIONS	DRAWING TITLE:	DRAWING NO.: PLN-19
: PLN-SHADY-4228300.DWG	CONSTRUCTION PLAN SHADY LANE	SHEET NO.: XX OF XX