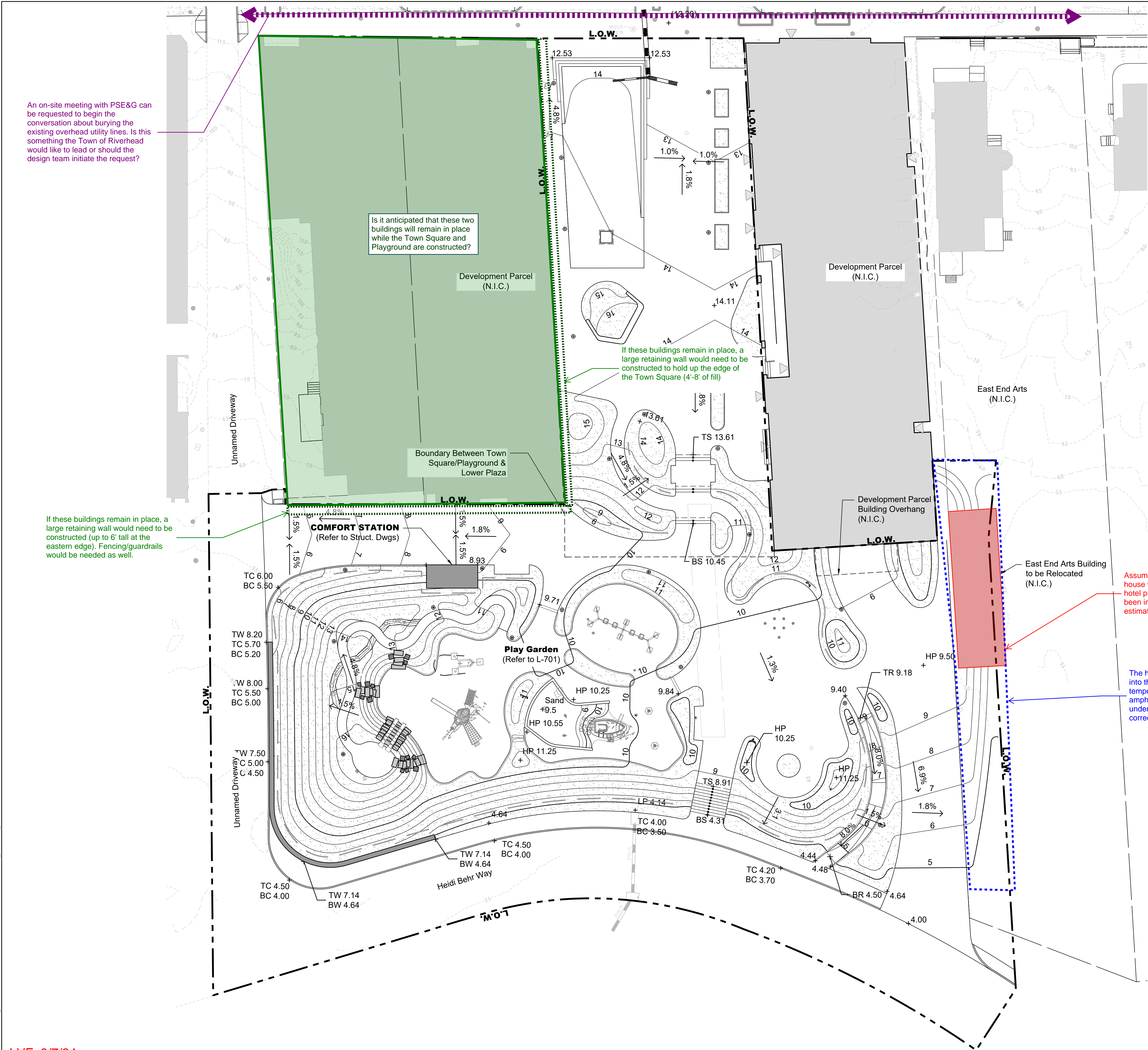


G:\Shared drives\02_Projects\2024\24001 - Riverhead Riverfront Playground\03_CAD\03.4_Sheet Set\L-301 GRADING PLAN.dwg - Tuesday, July 30, 2024 12:14:27 PM

LVF: 8/7/24



GENERAL LEGEND

- L.O.W.** Contract Limit of Work
- Proposed Property Line
- Proposed Easement
- Light Fixtures, Refer to Electrical Drawings
- Plant Bed

GRADING PLAN LEGEND

- Existing Contour
- Proposed Contour
- Proposed Spot Elevation
- Proposed Slope Percentage
- Proposed Slope Ratio
- Landscape Underdrain

4
L-411

Town Square and Riverfront Playground

Riverhead, NY

OWNER

Town of Riverhead
4 West 2nd Street
Riverhead, New York 11901
631-727-3200

CONSULTANTS

LANDSCAPE ARCHITECT

LVF Landscape Architects, PLLC
250 W. 82nd Street, #53
New York, NY 10024
646-481-0531

CIVIL & STRUCTURAL ENGINEER
WATER FEATURE DESIGNER

Cameron Engineering an IMEG Co.
177 Crossways Park Drive
Woodbury, NY 11797
516-827-4900

MEP ENGINEER

DM Engineers PLLC
45-08 40th Street, Suite 1A
Sunnyside, NY 11104
929-333-2339

LIGHTING DESIGN

Domingo Gonzalez Associates
29 Broadway, 3rd Floor
New York, NY 10006
212-608-4800

COST ESTIMATOR

Gardiner & Theobald Inc.
535 5th Avenue, Floor 3
New York, NY 10017
212-661-6624

PLAY AREA CODE & COMPLIANCE

Reporting Services North America
2619 Cove Cay Drive, Unit 301
Clearwater, FL 33760
516-580-5437

SOIL SCIENTIST

Craul Land Scientists, Inc.
282 Whiteman Drive
Center Hall, PA 16828
814-280-5127

SEAL

PRELIMINARY
Not for Construction

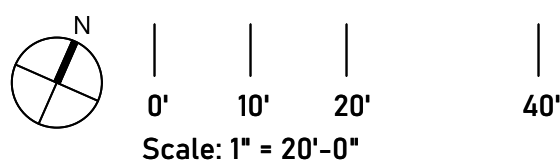
DRAWING ISSUE

50% Design
Development

NO.	DATE	DESCRIPTION
1	07-30-2024	50% Design Development

DRAWING TITLE

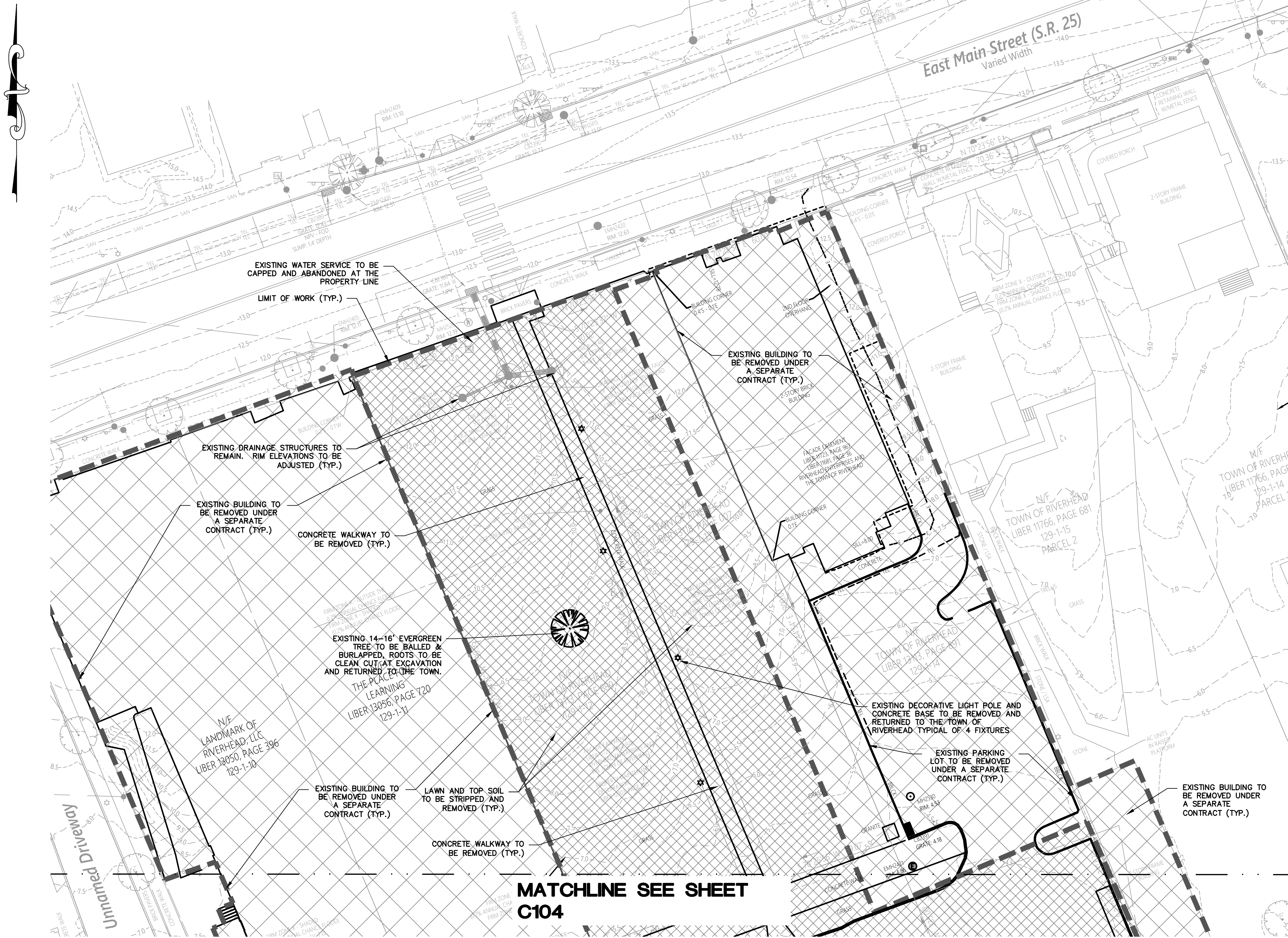
GRADING PLAN



SHEET NUMBER

L-301

\\nas\media\w\Projects\2024\24001616\00\Design\CONV\TOWN OF RIVERHEAD\EXISTING CONDITIONS & REMOVALS-PLAN.DWG 17:11 Thursday, July 25, 2024 4:23:28 PM and by: T. Schabone



LEGEND

LIMIT OF WORK	
ITEM TO BE REMOVED OUTSIDE CONTRACT LIMITS	
ITEM TO BE REMOVED WITHIN CONTRACT LIMITS	

EXISTING CONDITIONS LEGEND

DRAIN MANHOLE	EDGE OF PAVEMENT	CNO COULD NOT OPEN
CATCH BASIN	CONCRETE CURB	NPV NO PIPES VISIBLE
SEWER MANHOLE	VERTICAL GRANITE CURB	DYL DOUBLE YELLOW LINE
ELECTRIC MANHOLE	SLOPED GRANITE CURB	DWL DASHED WHITE LINE
TELEPHONE MANHOLE	BITUMINOUS BERM	SYL SINGLE YELLOW LINE
MANHOLE	BITUMINOUS CURB	
HAND HOLE	GUARDRAIL	
WATER GATE	CHAIN LINK FENCE	
FIRE HYDRANT	STOCK FENCE	
GAS GATE	DRAINAGE LINE w/PIPE NUMBER & ASCE SUE LEVEL CLASSIFICATION	
BOLLARD w/LIGHT	SEWER LINE w/PIPE NUMBER & ASCE SUE LEVEL CLASSIFICATION	
STREET SIGN	OVERHEAD WIRE	
LIGHT POLE	UNDERGROUND ELECTRIC	
UTILITY POLE	TELEPHONE LINE	
GUY POLE	GAS LINE	
GUY WIRE	WATER LINE	
MONITORING WELL	SANITARY SEWER LINE	
FLOOD LIGHT	TREE LINE	
WELL		
MARSH		
F.F.E.=45.27'		
FINISHED FLOOR ELEVATION		
DECIDUOUS TREE WITH SIZE		
CONIFEROUS TREE WITH SIZE		

SURVEY NOTES

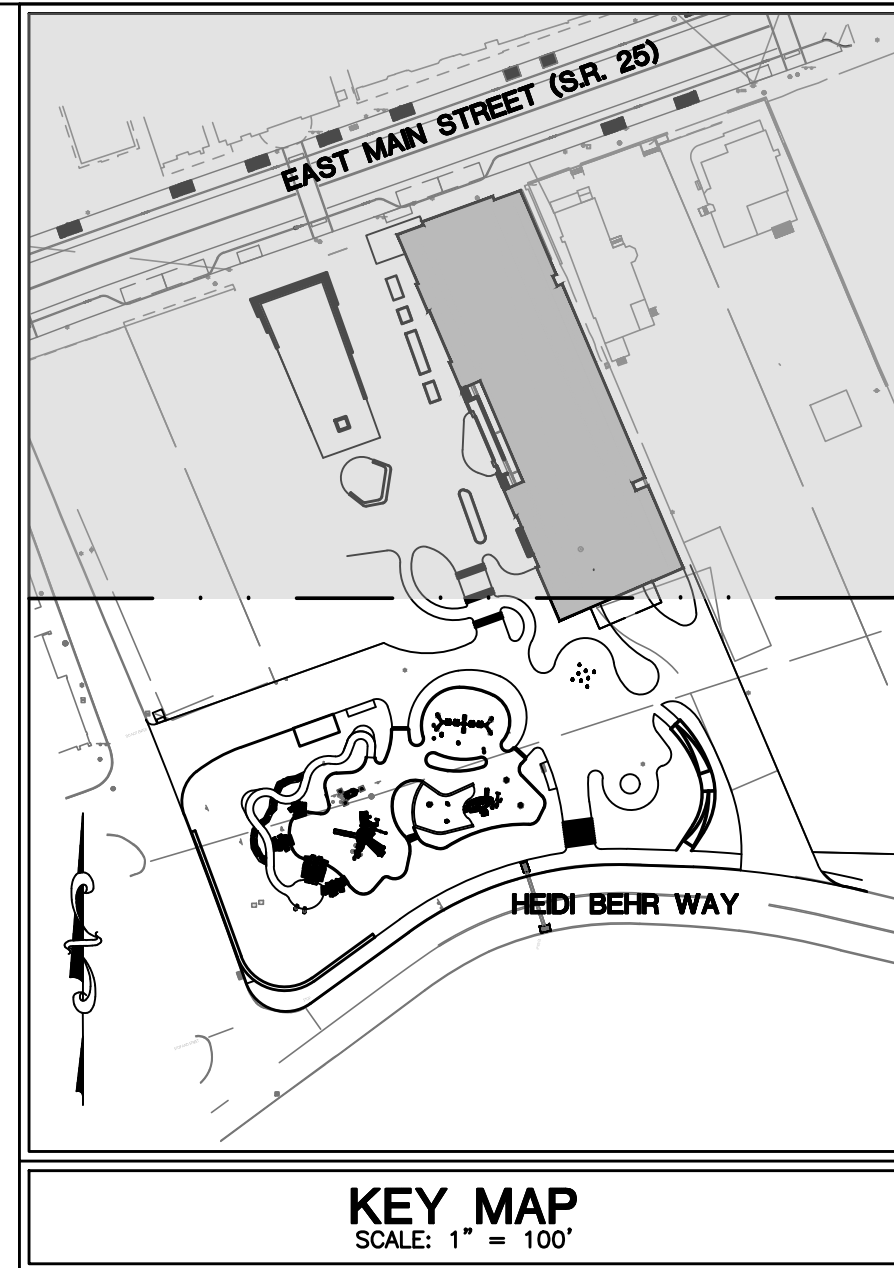
- THE EXISTING CONDITIONS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VHB, INC. IN MAY, 2024.
- AERIAL IMAGE WAS OBTAINED FROM NEARMAP, WITH A FLIGHT DATE OF SEPTEMBER 6, 2023, AND IS SHOWN AS REFERENCE PURPOSES ONLY.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN WERE MAPPED PER AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 38-22, QUALITY LEVEL(S) 'D'. UNDERGROUND UTILITY LINES SHOWN ARE BASED ON PAINT MARKS FOUND IN THE FIELD, MARKED BY UNKNOWN PARTIES. PLEASE NOTE THAT WHILE BEST PRACTICES WERE FOLLOWED, NOT ALL UTILITIES MAY BE SHOWN AND THE ACCURACY OF UTILITY LOCATIONS CANNOT BE GUARANTEED.
- HORIZONTAL DATUM IS BASED ON NAD83 (2011), NEW YORK STATE PLANE COORDINATES, LONG ISLAND ZONE (3104). ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD88. UNITS ARE US SURVEY FEET.
- THE LOT LIES WITHIN ZONE AE (EL. 7) AND ZONE X (SHADED AND UNSHADED) (AREAS TO BE INSIDE AND OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR SUFFOLK COUNTY, TOWN OF RIVERHEAD AND TOWN OF SOUTHAMPTON, NEW YORK, MAP NUMBER 36103C0466H, MAP REVISED: SEPTEMBER 25, 2009.
- THE TREE SYMBOL OUTLINE SHOWN ON THIS PLAN DOES NOT REPRESENT THE ACTUAL TREE CANOPY.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY BE SUBJECT TO ADDITIONAL INFORMATION DISCLOSED IN SUCH.

DEMOLITION NOTES

- REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK SHALL BE NECESSARY FOR THE PERFORMANCE OF GENERAL WORK. ALL EXISTING CONDITIONS ARE NOT COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND MAKE ALL NECESSARY MODIFICATIONS REQUIRED BASED ON EXISTING CONDITIONS, FOR DEMOLITION OF EXISTING WORK AND INCLUDE ALL MATERIALS AND LABOR IN HIS BID PRICE. NO ALLOWANCE SHALL BE MADE FOR FAILURE TO DO SO.
- PROVIDE FOR LEGAL REMOVAL AND DISPOSAL OF ALL RUBBISH AND DEBRIS FROM THE FACILITY AND SITE. PROTECT ALL WORK NOT SLATED FOR DEMOLITION.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OR DISRUPTING FACILITY SYSTEMS, UTILITIES AND/OR OPERATIONS. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S COST WITHIN THE CONTRACT PERIOD FOR SUBSTANTIAL COMPLETION.
- DURING DEMOLITION AND DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS AND/OR THE OPERATIONS OF HIS SUBCONTRACTORS. THE CONTRACTOR IS RESPONSIBLE FOR FINAL AND THOROUGH CLEANING OF ALL SURFACES, FINISHES AND EQUIPMENT BEFORE FINAL ACCEPTANCE BY THE OWNER.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF LEGALLY IN ACCORDANCE WITH LOCAL TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
- A SIX-FOOT HIGH CHAIN LINK FENCE SHALL BE INSTALLED AND SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT BY THE CONTRACTOR AROUND THE LIMIT OF WORK.
- NO MATERIAL IS PERMITTED TO BE STORED OUTSIDE OF THE SITE PERIMETER.
- CONTRACTOR SHALL SUBMIT ALL MANIFESTS ASSOCIATED WITH DELIVERIES AND DISPOSAL ACTIVITIES
- ANY EXCAVATION RESULTING FROM DEMOLITION SHALL BE REPLACED WITH CLEAN, GRANULAR MATERIAL, COMPACTED TO 95% MODIFIED PROCTOR DENSITY AND BACK FILLED TO MEET EXISTING ADJACENT GRADES.
- CONTRACTOR SHALL LOCATE AND SAFEGUARD ALL EXISTING UTILITIES WHICH ARE TO REMAIN.

UTILITY NOTES

- THE CONTRACTOR IS HEREBY NOTIFIED THAT UTILITIES EXIST AT THE SITE. VERIFICATION OF LOCATION OF EXISTING UTILITIES IS REQUIRED PRIOR TO COMMENCEMENT OF WORK AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL EXISTING UTILITY INFORMATION.



Town Square and Riverfront Playground

Riverhead, NY

OWNER

Town of Riverhead
4 West 2nd Street
Riverhead, New York 11901
631-727-3200

CONSULTANTS

LANDSCAPE ARCHITECT

LVF Landscape Architects, PLLC
250 W. 82nd Street, #53
New York, NY 10024
646-481-0531

CIVIL & STRUCTURAL ENGINEER WATER FEATURE DESIGNER

Cameron Engineering an IMEG Co.
177 Crossways Park Drive
Woodbury, NY 11797
516-827-4900

MEP ENGINEER

DM Engineers PLLC
40th Street, Suite 1A
Sunnyside, NY 11104
929-333-2339

LIGHTING DESIGN

Domingo Gonzalez Associates
29 Broadway, 3rd Floor
New York, NY 10006
212-608-4800

COST ESTIMATOR

Gardiner & Theobald Inc.
535 5th Avenue, Floor 3
New York, NY 10017
212-661-6624

PLAY AREA CODE & COMPLIANCE

Reporting Services North America
2618 Cove Cay Drive, Unit 301
Clearwater, FL 33760
516-580-5437

SOIL SCIENTIST

Craul Land Scientists, Inc.
282 Whiteman Drive
Center Hall, PA 16828
814-280-5127

SEAL

PRELIMINARY Not for Construction

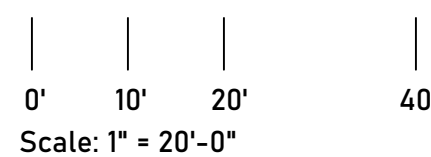
DRAWING ISSUE

50% Design Development

NO.	DATE	DESCRIPTION
1	07-30-2024	50% Design Development

DRAWING TITLE

EXISTING CONDITIONS & REMOVALS PLAN



SHEET NUMBER 1 of 10

C101

Riverhead, NY

Town of Riverhead
4 West 2nd Street
Riverhead, New York 11901
631-727-3200

LVF Landscape Architects, PLLC
250 W. 82nd Street, #53
New York, NY 10024
646-481-0531

Cameron Engineering an IMEG Co.
177 Crossways Park Drive
Woodbury, NY 11797
516-827-4900

DM Engineers PLLC
40th Street, Suite 1A
Sunnyside, NY 11104
929-333-2339

Domingo Gonzalez Associates
29 Broadway, 3rd Floor
New York, NY 10006
212-608-4800

Gardiner & Theobald Inc.
535 5th Avenue, Floor 3
New York, NY 10017
212-661-6624

Reporting Services North America
2618 Cove Cay Drive, Unit 301
Clearwater, FL 33760
516-580-5437

Craul Land Scientists, Inc.
282 Whiteman Drive
Center Hall, PA 16828
814-280-5127

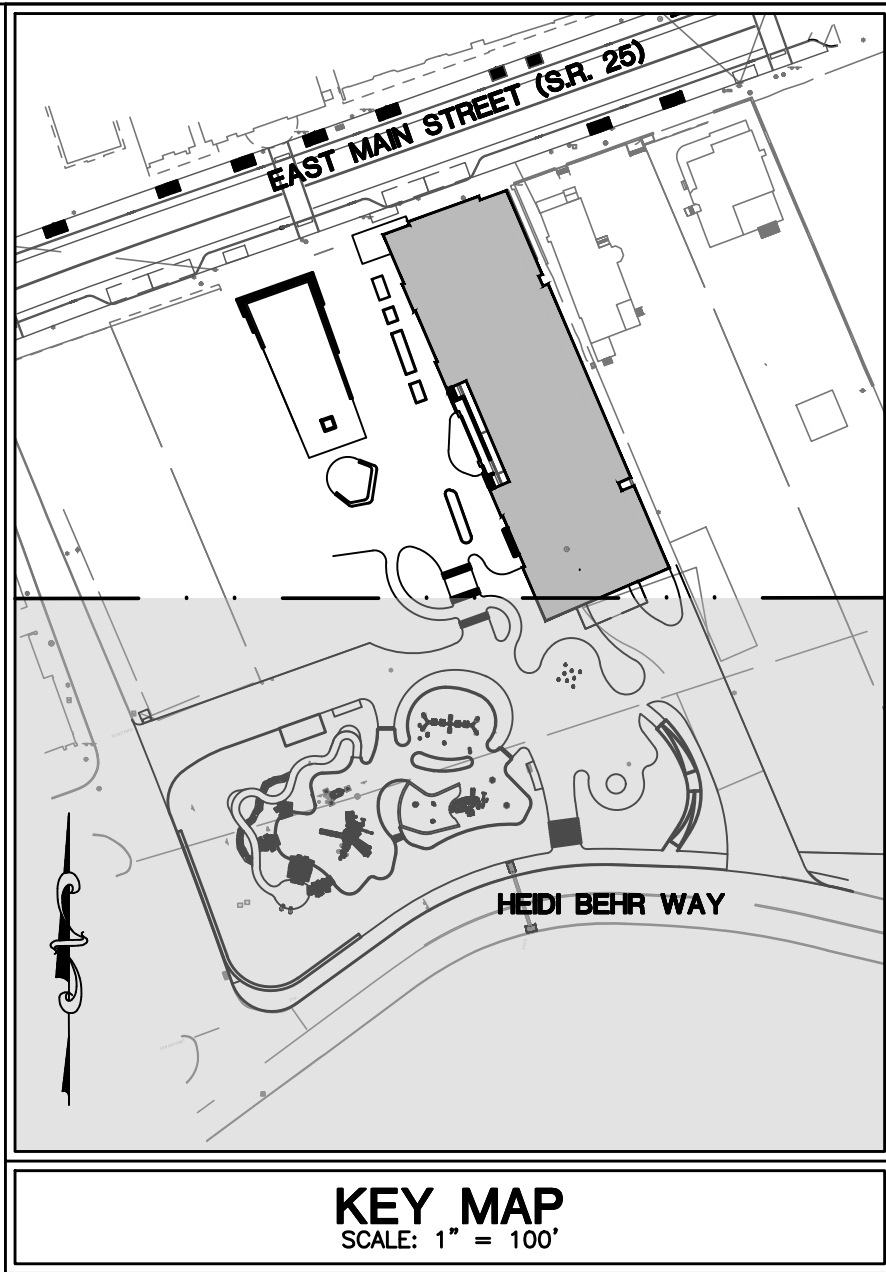
PRELIMINARY
Not for Construction

50% Design
Development

EXISTING CONDITIONS & REMOVALS PLAN (2)

SHEET NUMBER ---- of 10

C102



Land, Air, Water Environmental Services, Inc.

DRILLER'S LOGS

BORING#: B-3

Page# 1 of 1

DATE: April 11, 2024

SITE: Town of Riverhead

Playground Plaza, Riverhead, NY

CONSULTANT: LVF Landscape Architects PLLC

New York, NY

DEPTH DRILLED: 32 feet

DEPTH TO WATER: 2 feet

CORING DEVICE: 2" x 24"

TEMPERATURE TAKEN: 1.00 FPM

AUTOMATIC SPT DROP HAMMER

BORING RESTORATION: Backfill

DRILL RIG / GEOPROBE TYPE: Geoprobe 78DT

DRILLING METHOD: 3.5" Geoprobe rods

DRILLER: S. Pedersen

HELPER: K. McGourty

DEPTH FROM TO		RECOVERY	BLOWS / 6 INCHES	SAMPLE DESCRIPTION		
0	ft	2	ft	21 inches	5-9-5-4	Black/brown/red asphalt/sand trace, fine/medium to fine, trace of gravel, (fill)
2	ft	4	ft	15 inches	3-2-1-4	Brown/black sand, medium to fine, trace of gravel (fill), wet
4	ft	6	ft	16 inches	5-9-13-15	Black/dark brown sand/peat/wood debris, fine, trace of gravel, (fill), wet
6	ft	8	ft	20 inches	8-14-12-11	Dark brown sand, medium to fine, trace of gravel, (SW), wet
8	ft	10	ft	11 inches	9-6-8-8	Brown sand, coarse to fine, trace of gravel, (SW), wet
10	ft	12	ft	9 inches	4-2-1-2	Brown sand, coarse to fine, 15% gravel, (SW), wet
12	ft	15	ft	Direct Push		Rod Advancement
15	ft	17	ft	11 inches	3-3-4-4	Light brown sand, coarse to fine, 10% gravel, (SW), wet
17	ft	20	ft	Direct Push		Rod Advancement
20	ft	22	ft	10 inches	1-2-4-6	Light brown sand, fine/medium to fine, trace of gravel, (SP)(SW), wet
22	ft	25	ft	Direct Push		Rod Advancement
25	ft	27	ft	24 inches	1-1-2-4	Grey sandy clay/clay, fine, (SC)(CL), wet
27	ft	30	ft	Direct Push		Rod Advancement
30	ft	32	ft	14 inches	2-2-3-4	Grey sand, fine, (SP), wet