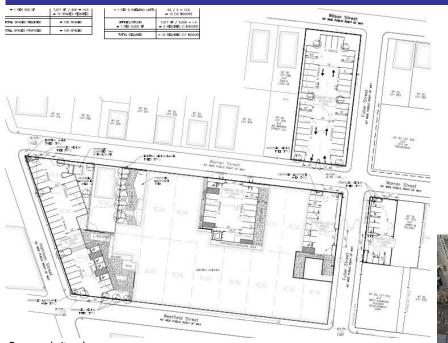
Providence City Plan Commission May 25, 2021



AGENDA ITEM 6 • 49 WESTFIELD STREET



Proposed site plan



Aerial view of the site

OVERVIEW

CASE NO./

PROJECT TYPE:

OWNER/APPLICANT: 49 Westfield LLC c/o K&S Development

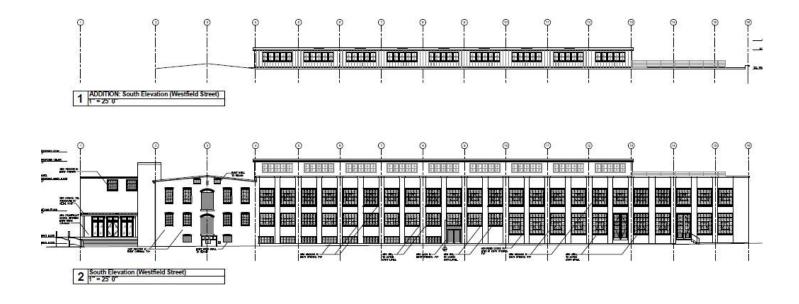
21-017MI

Preliminary Plan Approval

K&S **PROJECT DESCRIPTION:**

The applicant is proposing to add a third story to a former industrial building that will be redeveloped as a mixed-use building. The addition will measure approximately 10,690 SF and yield 12 dwelling units. Parking will be provided in adjacent lots which are also part of the application.

PROJECT LOCATION:	49 Westfield Street AP 30 Lots 284,285, 307, 308, 334, 338, 339, 344, 355	RECOMMENDATION:	Approval of the Preliminary Plan subject to the noted findings
NEIGHBORHOOD:	West End	PROJECT PLANNER:	Choyon Manjrekar



PROJECT OVERVIEW

The lots comprising the development are primarily zoned M-MU 75, except for lots 284 and 285 which are zoned R-3. Lot 355 is occupied by a former two story industrial building that the applicant is proposing to convert to a mixed use building with residential and commercial space. The applicant is also proposing to add a third story to the building which would provide 12 dwelling units and measure approximately 10,690 SF. A total of 63 units and commercial space will be provided through the building. Parking will be provided on adjacent landscaped lots.

ANALYSIS AND IDENTIFICATION OF POTENTIAL ISSUES

Use

Lot 355, which is occupied by the building is zoned M-MU 75 under the Historic District (HD) ICBD overlay, where multifamily and mixed use development is permitted by right. The other lots where parking will be provided are zoned M-MU 75 with the exception of lots 284 and 285 which are Westfield Street elevations

zoned R-3.

Dimensions and site design

The former industrial building has been vacant for a number of years. It will be redeveloped to provide mixed use development. Windows and openings will be updated, but no significant changes to the brick exterior are proposed. A third story addition which will be set back from the roofline that is 8' tall and providing approximately 10,690 SF and 12 dwelling units is proposed.

With the addition, the building will have a height of approximately 44' which is within the 75' height limit of the M-MU 75 zone. Entrances will be provided on Westfield and Warren Streets. The project is exempt from Historic District Commission (HDC) review.

Storage space for residents and some units will be provided in the basement. Commercial and residential space will be provided on the first and second floors and the third story addition will only provide apartments.

Parking

A total of 100 spaces are required but 104 will be provided to meet the parking requirement of one space per dwelling unit and one space for every 500 SF of commercial development. Sixty three dwelling units are proposed with approximately 17,200 SF of commercial development which includes a restaurant. Parking will be provided on a total of five lots with 49 spaces provided on three parking lots contiguous to the building. An additional 38 spaces will be provided in a lot to the north of the building on Warren Street and 10 spaces will be provided in a lot to the east on Fuller Street. The applicant will meet the bicycle parking requirement of one space per five dwelling units and one space for every 5,000 SF of commercial space for a total of 15 spaces, 11 of which will be located indoors.

Landscaping

Fifteen percent of canopy coverage is required to meet the landscaping requirement for the M-MU 75 zone. The building and parking lots collectively measure approximately 94,000 SF requiring 14,000 SF of canopy coverage. The applicant will meet this requirement by planting a mix of small, medium and large trees around the main building and within parking lots. Parking lot landscaping requires a five foot planting strip between the lot and street with internal plantings for lots that measure over 20,000 SF. The applicant largely meets these requirements, but is unable to provide a full planting strip for the parking area abutting Harrison Street. Other areas of landscaping make up for this deficit. The applicant is working with the City Forester to ensure compliance with the ordinance.

Drainage and erosion control

A stormwater management plan has been submitted. The plan will collect stormwater from impervious surfaces using a system of bioretention basins located in landscape strips. Runoff will be treated through the use of Best Management Practices (BMP) to aid removal of pollutants and treat stormwater.

The erosion control plan will employ swales and straw wattle to control sediment from flowing off the site.

FINDINGS

Section 806 of the Commission's *Development Review Regulations* requires that the City Plan Commission make the following findings as part of their approval of all land development project applications. Based on the analysis contained herein and subject to the conditions contained in this report, staff has prepared the following findings regarding the request for approval of the Preliminary Plan stage:

1. Consistency—The proposed development is consistent with the Comprehensive Plan and/or has satisfactorily addressed the issues where there may be inconsistencies.

The subject property is located in an area that the future land use map of *Providence Tommorow: The Comprehensive Plan* designates for Business/Mixed Use development, where multifamily development is encouraged. The plan describes these areas as ones intended to foster the expansion of business and medium to high density residential uses into former manufacturing areas and mill buildings. The development conforms to this description.

Provision of housing would conform to objective H-2 of the plan which encourages creation of new housing in the City.

2. Compliance with Zoning Ordinance—The proposed development is in compliance with the standards and provisions of the Zoning Ordinance.

Use: Multifamily housing and mixed use development is permitted by right in the M-MU 75 zone.

Dimension: The development conforms to the dimensional and design requirements of the M-MU 75 zone and is exempt from review by the HDC.

Parking: The applicant will meet the vehicle and bicycle parking requirements.

Landscaping: The applicant will meet the canopy coverage requirement by planting trees around the site and parking areas. The final landscaping plan shall be subject to the City Forester's approval.

3. Environmental Impact—There will be no significant environmental impacts from the proposed development as shown on the final plan, with all required conditions for approval.

Stormwater management and erosion control plans have been provided.

No negative environmental impacts are expected as the applicant is expected to come into conformance with all applicable environmental regulations.

4. Buildable Lot—The subdivision or development project, as proposed, will not result in the creation of individual lots with such physical constraints to development that building on those lots according to pertinent regulations and building standards would be impracticable.

The applicant should merge the lots comprising the main building with the contiguous parking lots and the lots that comprise parking lot three on Warren Street. There are no physical constraints that impact development of this property as it will conform to the dimensional requirements of the zoning ordinance upon merging.

5. Street Access—All proposed development projects and all subdivision lots shall have adequate and permanent physical access to a public street. Lot frontage on a public street without physical access shall not be considered compliance with this requirement.

Adequate vehicular and pedestrian access is provided from Westfield, Warren and Fuller Streets.

RECOMMENDATION

The CPC should vote to approve the preliminary plan subject to the following conditions:

- 1. The final landscaping plan shall be subject to the City Forester's approval.
- 2. The validity of the preliminary plan should be extended to one year from the date of recording of the approval letter.
- 3. The applicant shall merge the lots comprising parking lot three and the contiguous lots comprising the building and adjacent parking.
- 4. Final plan approval should be delegated to DPD staff.



1 ZONING MAP & LEGEND NTS



2 EXISTING PHOTOGRAPH NTS

PROPOSED WeFAD ADAPITVE REUSE PROJECT OF HISTORIC PHILLIPS BAKER RUBBER CO. COMPLEX 49 WESTFEILD STREET, PROVIDENCE RI PLAT 30: LOT 355, LOT 344, LOT 339, LOT 338 LOT 334, LOT 307, LOT 308, LOT 284, LOT 285

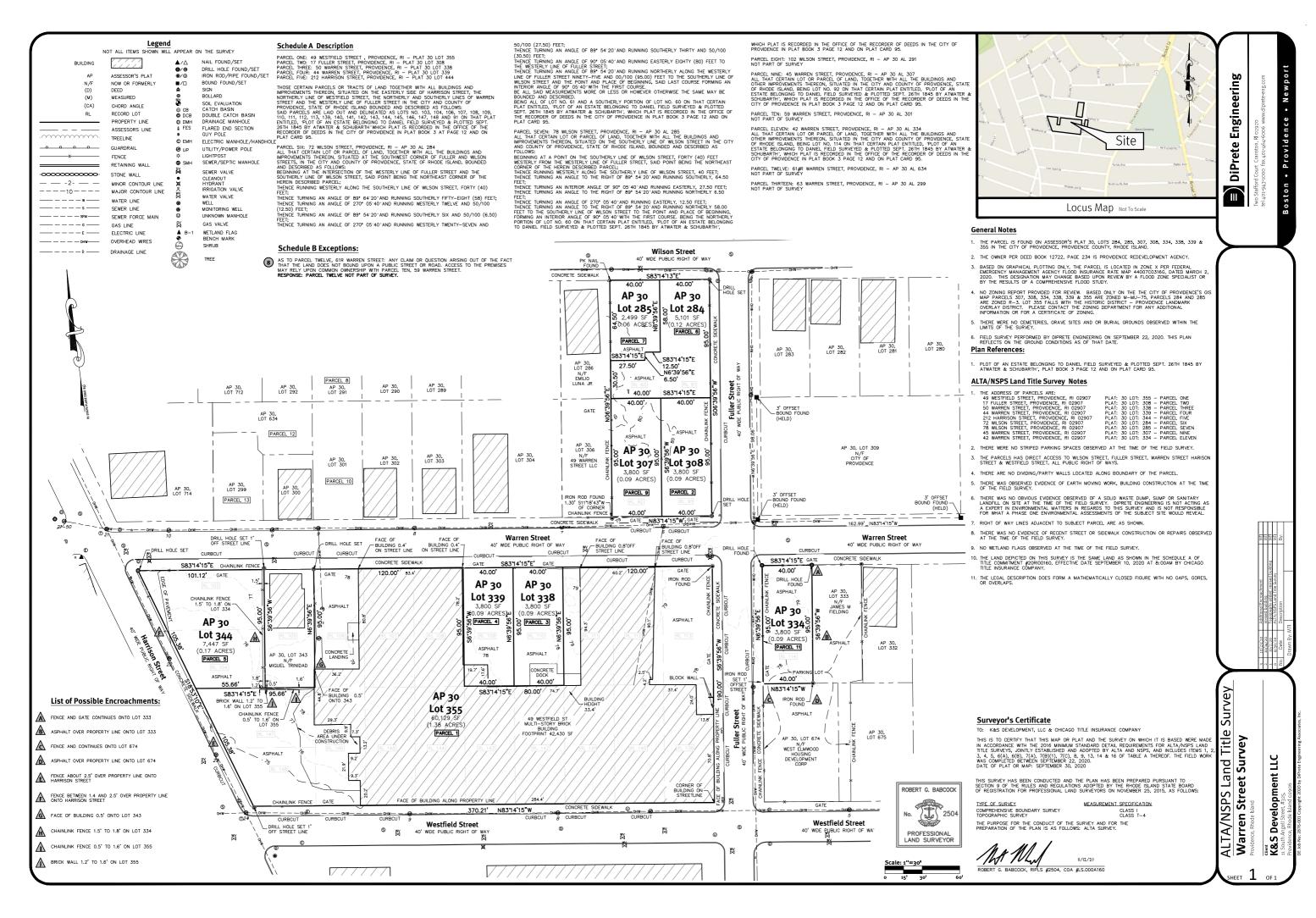




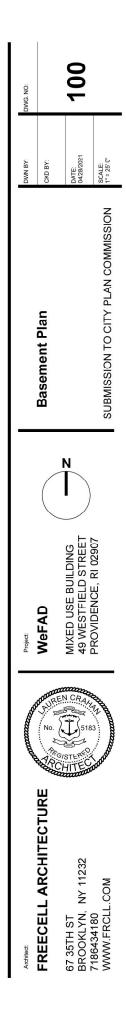
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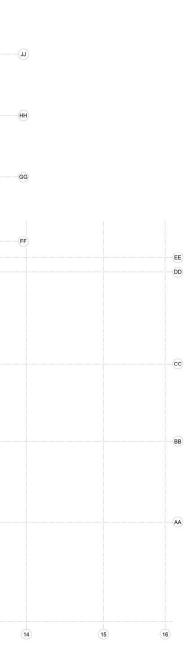
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	USE	QUANT	TTY
BASE	MENT :		22,050 SF
	Storage	63	
	Studios / Office	4	
	Bike Storage	1	
			40,310 SF
FIRST	FLOOR:		
	Residential Units	19	
	Artist in Residence	1	
	Commercial / Restaurant	6	
	Offices	1	
			35,285 SF
	ND FLOOR:		
	Residentail Units	31	
	Offices	5	
			10,690 SF
	FLOOR (ADDITION):		
	Residential Units	12	
-			108,335 SF
TOTA			
	Storage	63	
	Studios / Office	10	
	Artist in Residence	1	
	Commercial / Restaurants	6	
	Residential Units	62	
	Bike Storage	1	
Λ	SQUARE FOOTAG	je Br	REAKDOWN
4	NTS		

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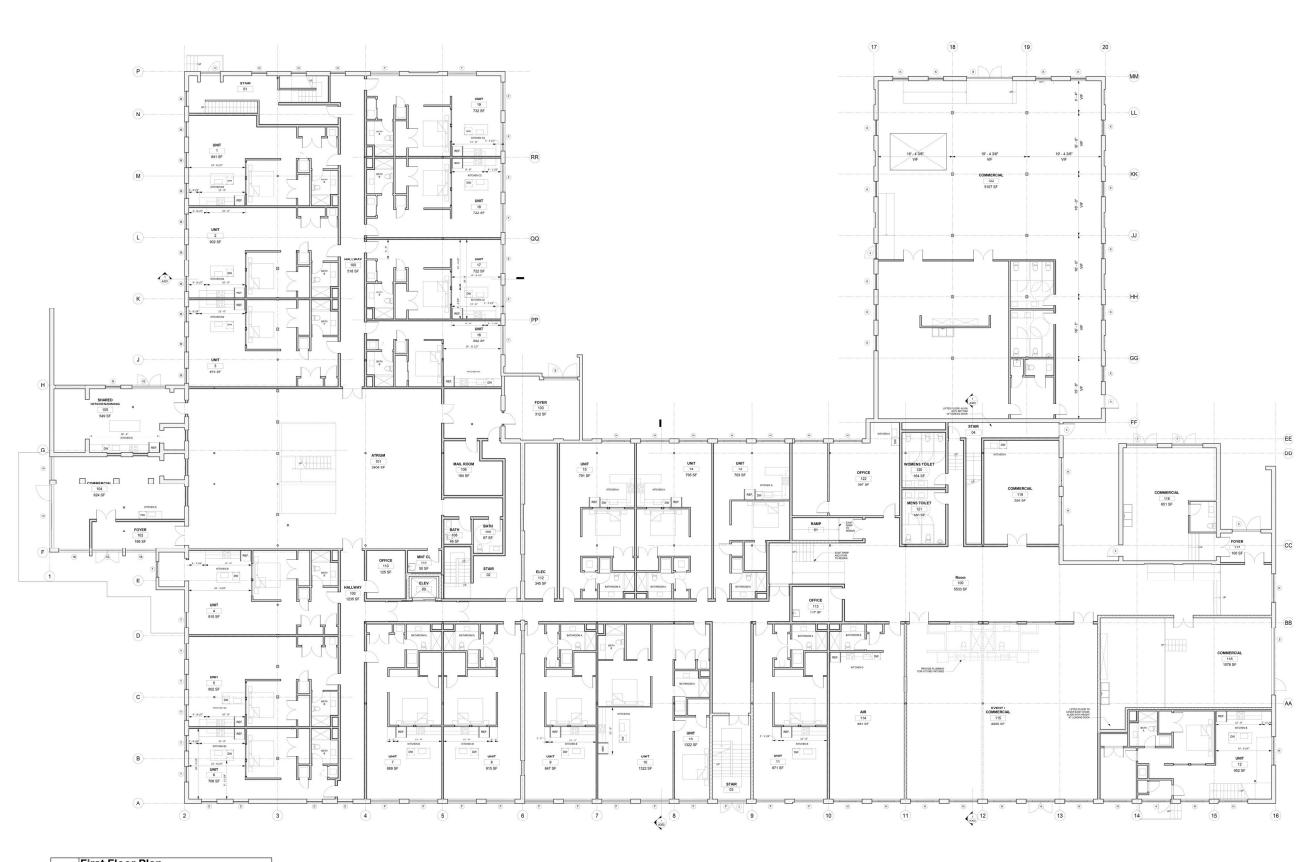




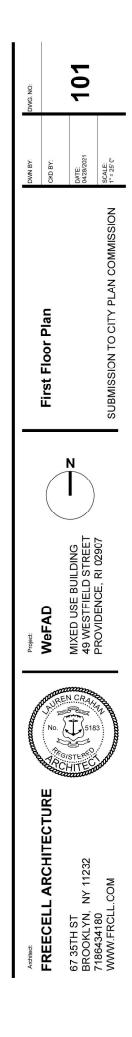


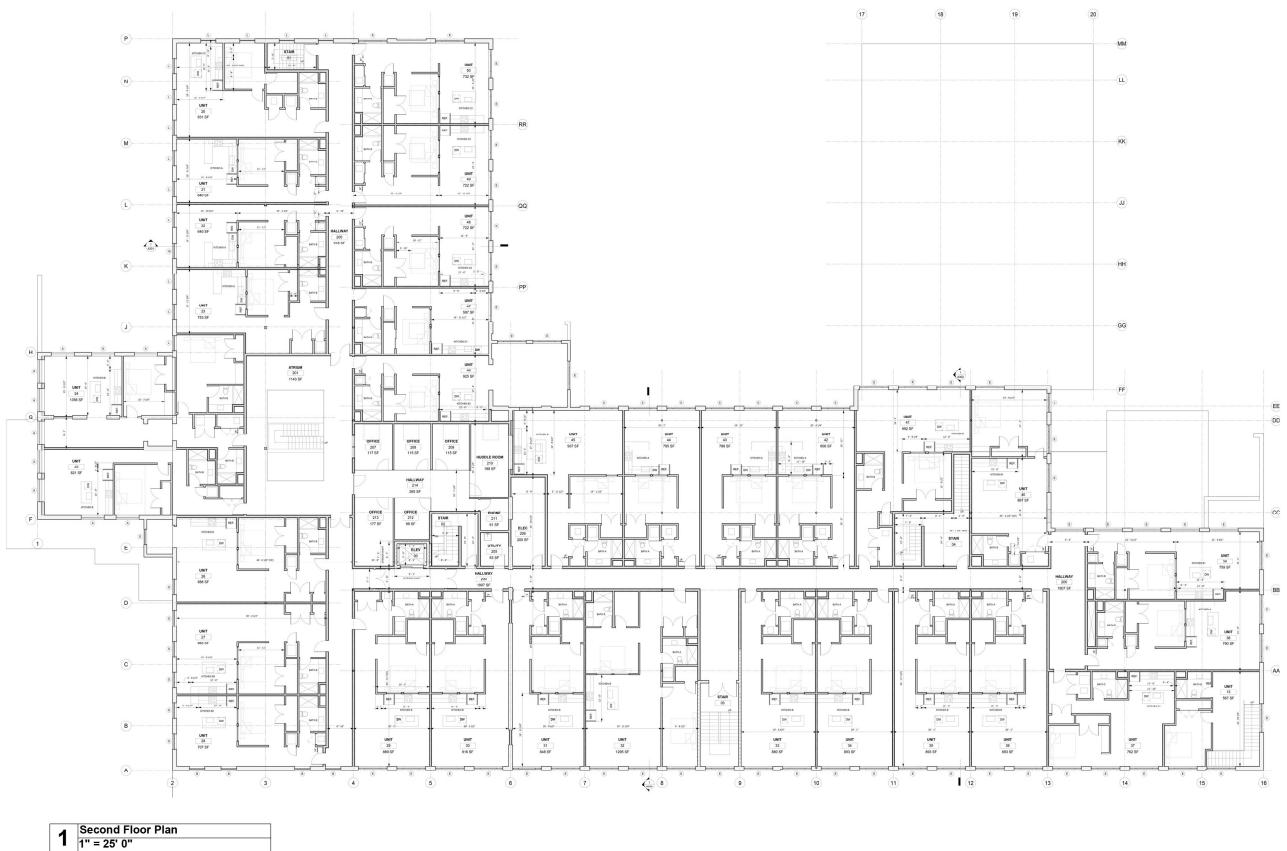


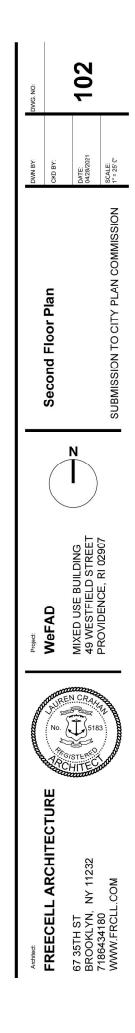
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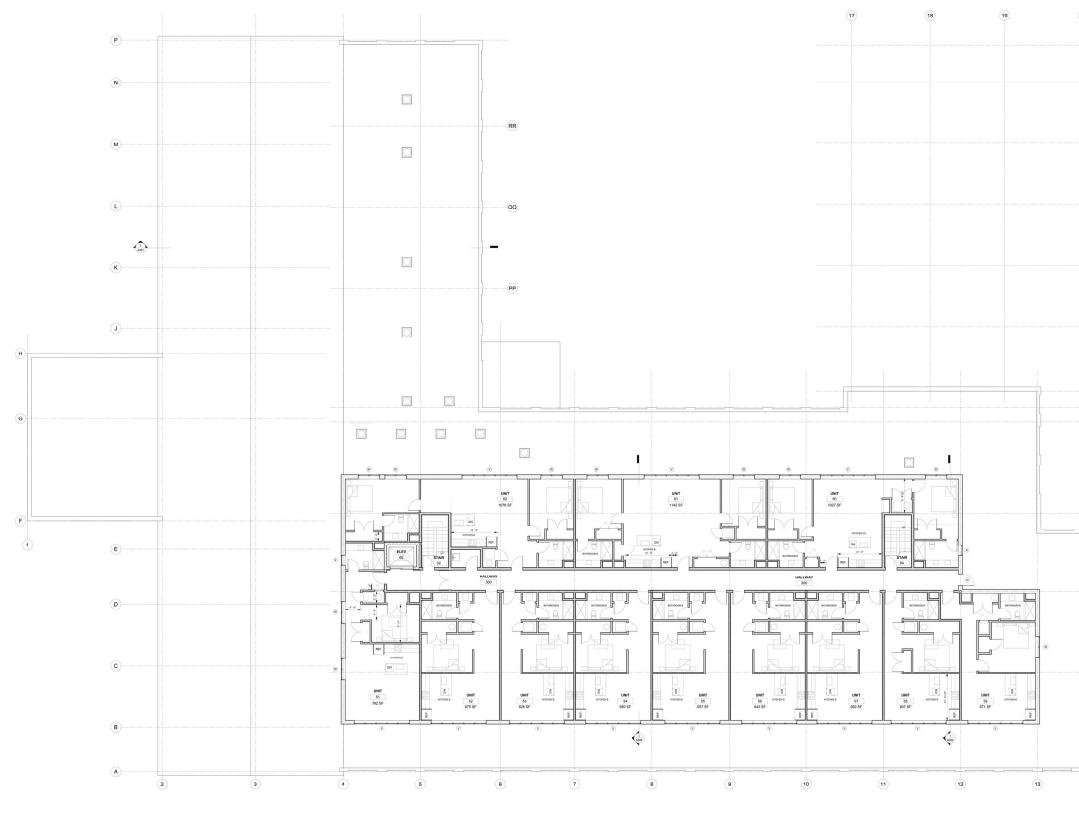


1 First Floor Plan 1" = 25' 0"

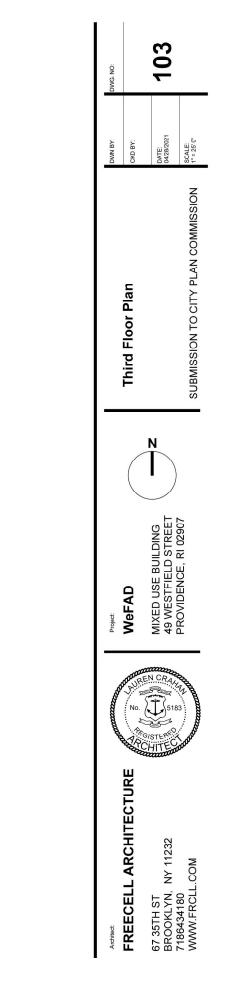


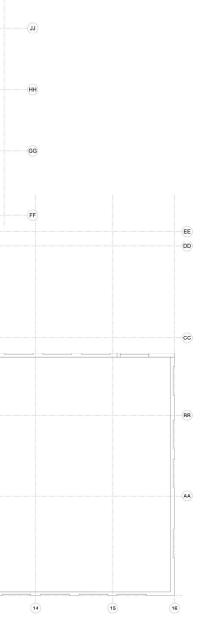




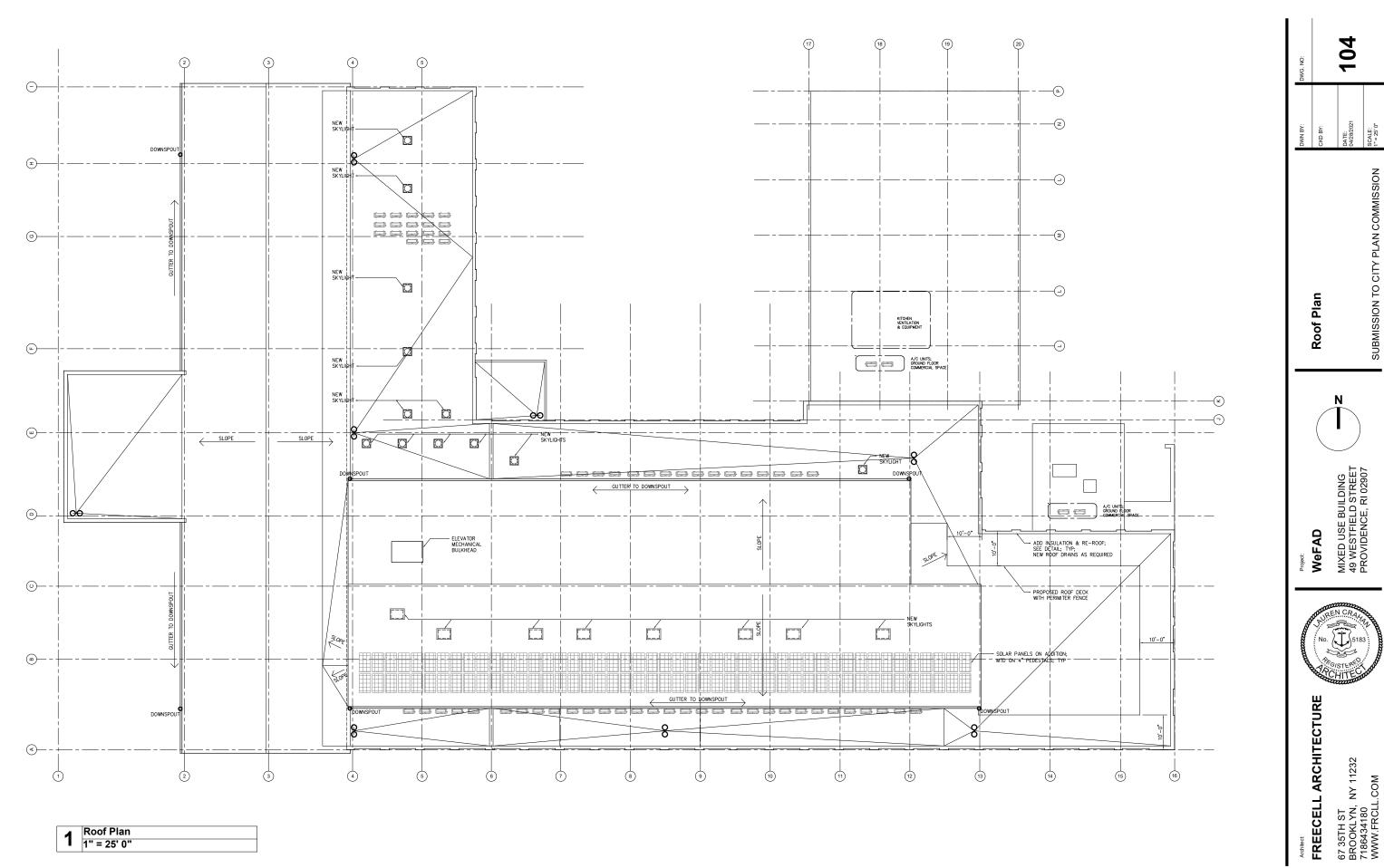


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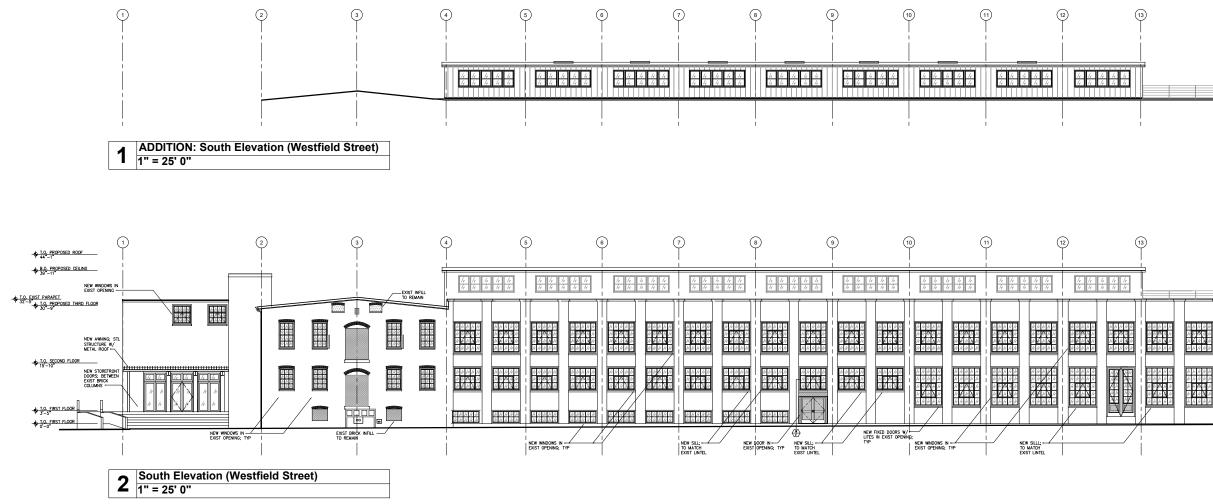


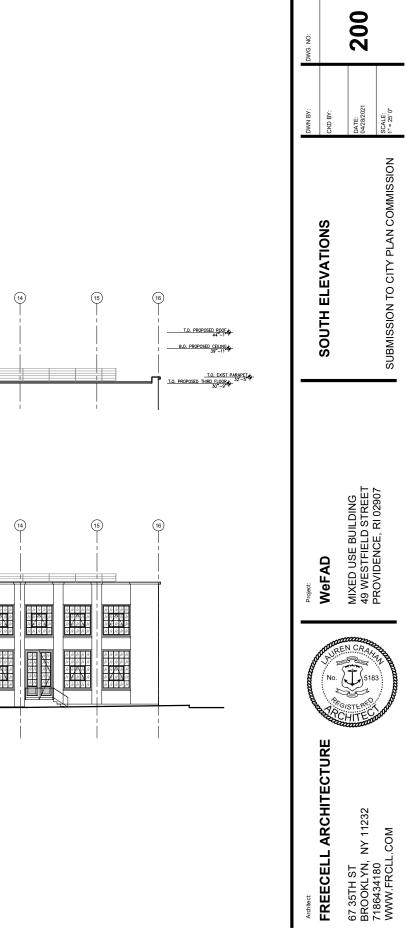


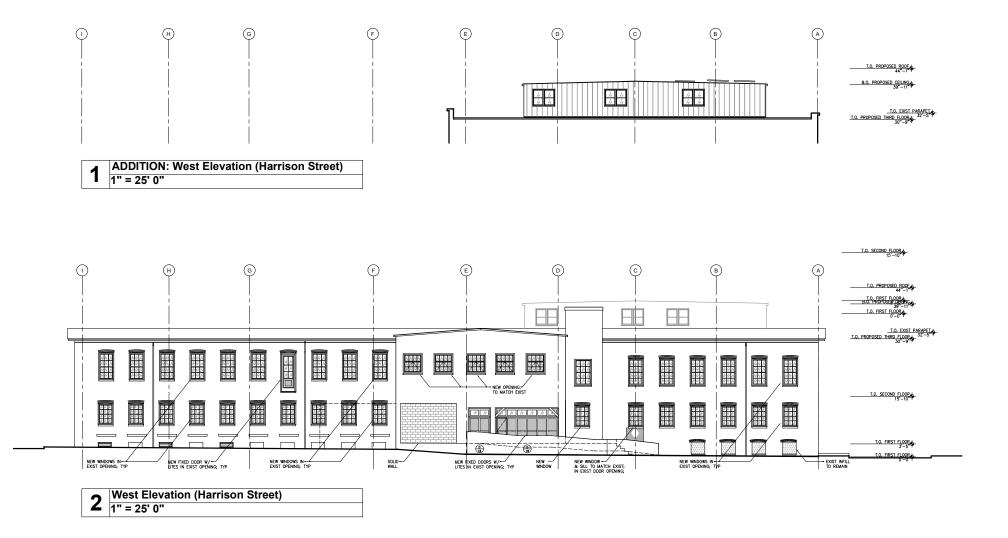
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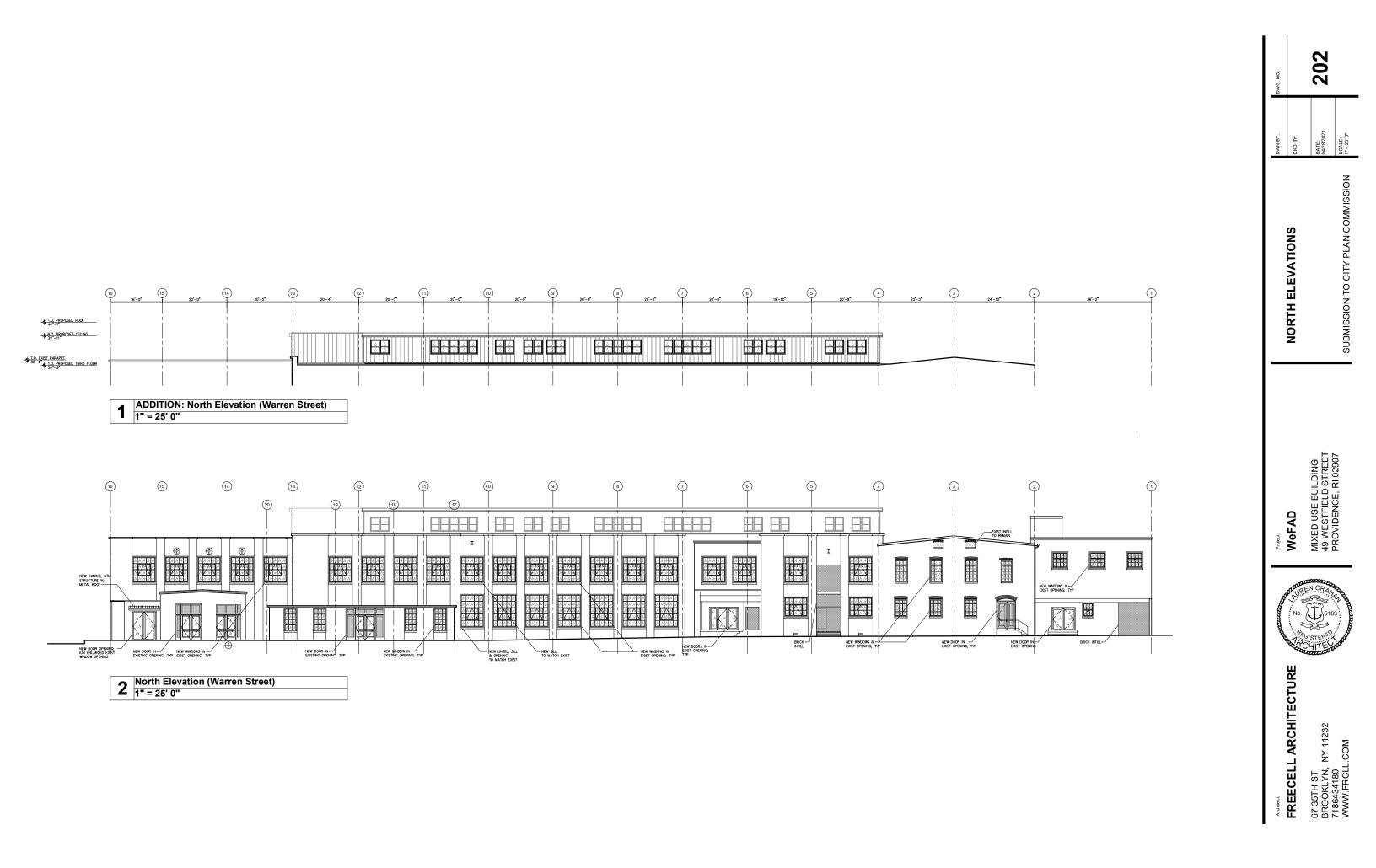
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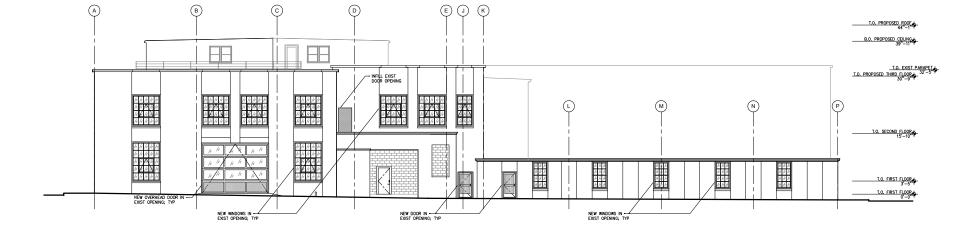
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DWN BY:	CKD BY:	DATE:	04/28/2021	SCALE: 1" = 25' 0"
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Architect:	FREECELL ARCHITECTURE	67 35TH ST	BROOKLYN, NY 11232 2186434480	1004-34 100 WWW.FRCLL.COM

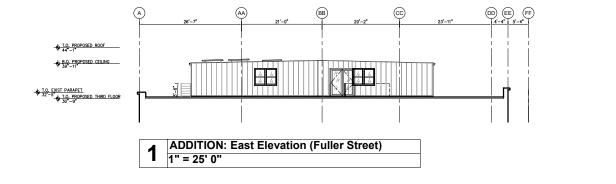


2	East Elevation (Courtyard)
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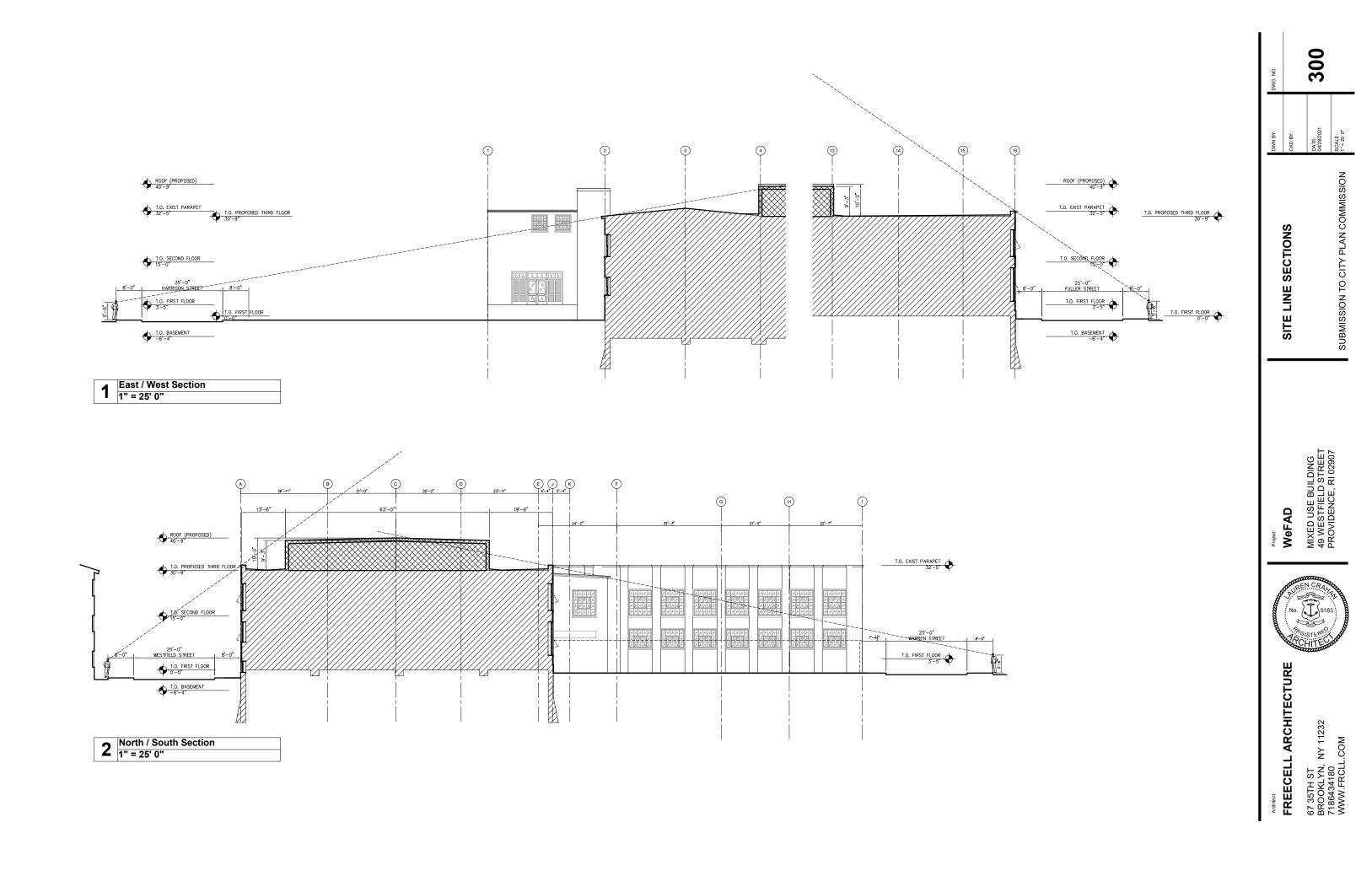
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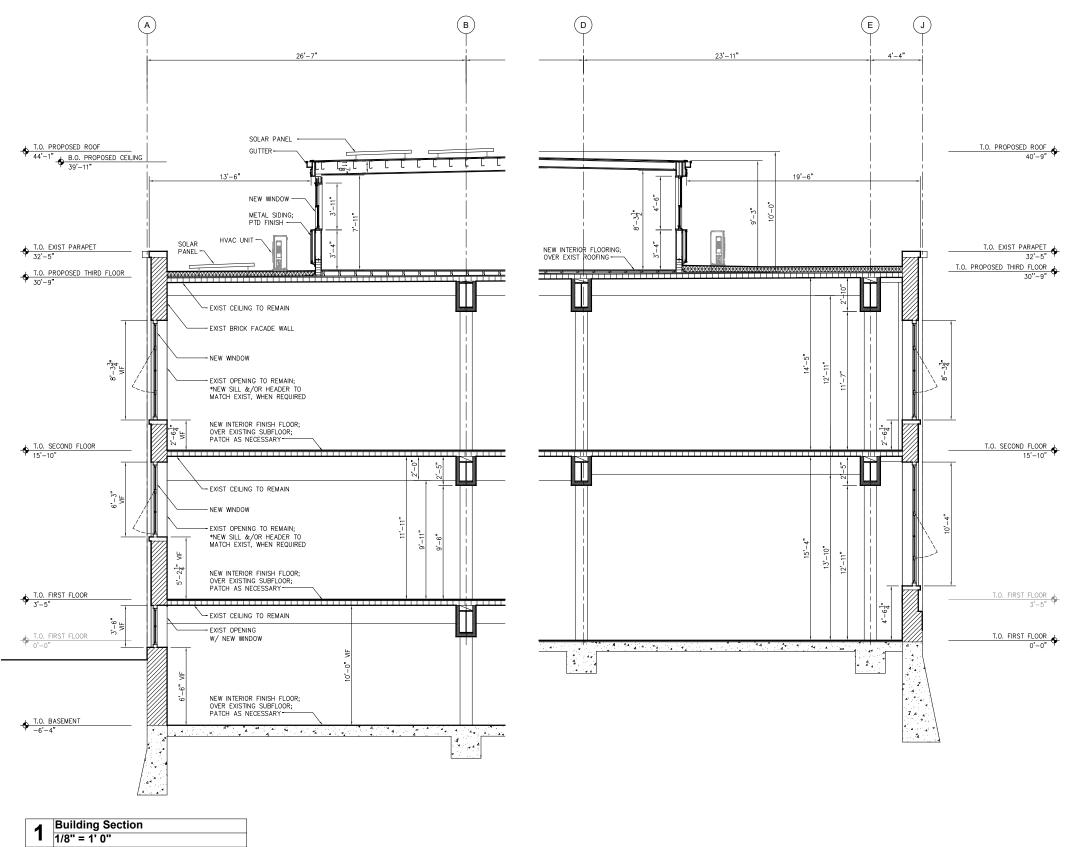
•	East Elevation (Fuller Street)
	1" = 25' 0"





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-			~	4 [
	and a second	NO. 11 PROVIDENT			AND STORES

SITE REDEVELOPMENT PLANS

<u>CIVIL ENGINEER</u>

LAND DEVELOPMENT ENGINEERING & CONSULTING, LLC. 1700 WEST MAIN ROAD, SUITE 8 MIDDLETOWN, RI 02842 (401) 354-2050

LAND SURVEYOR

DIPRETE ENGINEERING TWO STAFFORD COURT CRANSTON, RI 02920 (401) 943–1000

ARCHITECT

FREECELL ARCHITECTURE, LLC. 67 35TH STREET UNIT B525 BROOKLYN NY, 11232 (718) 643–4180



49 Westfield Street Assessors Map 30, Parcel 355 Providence, Rhode Island MARCH 19, 2021



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CONSTRUCTION DETAILS

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CONDITIONS PLAN	2
OUT PLAN	3
OUT PLAN BLOW-UP	4
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CONTROL PLAN	7
& UTILITIES PLAN	8
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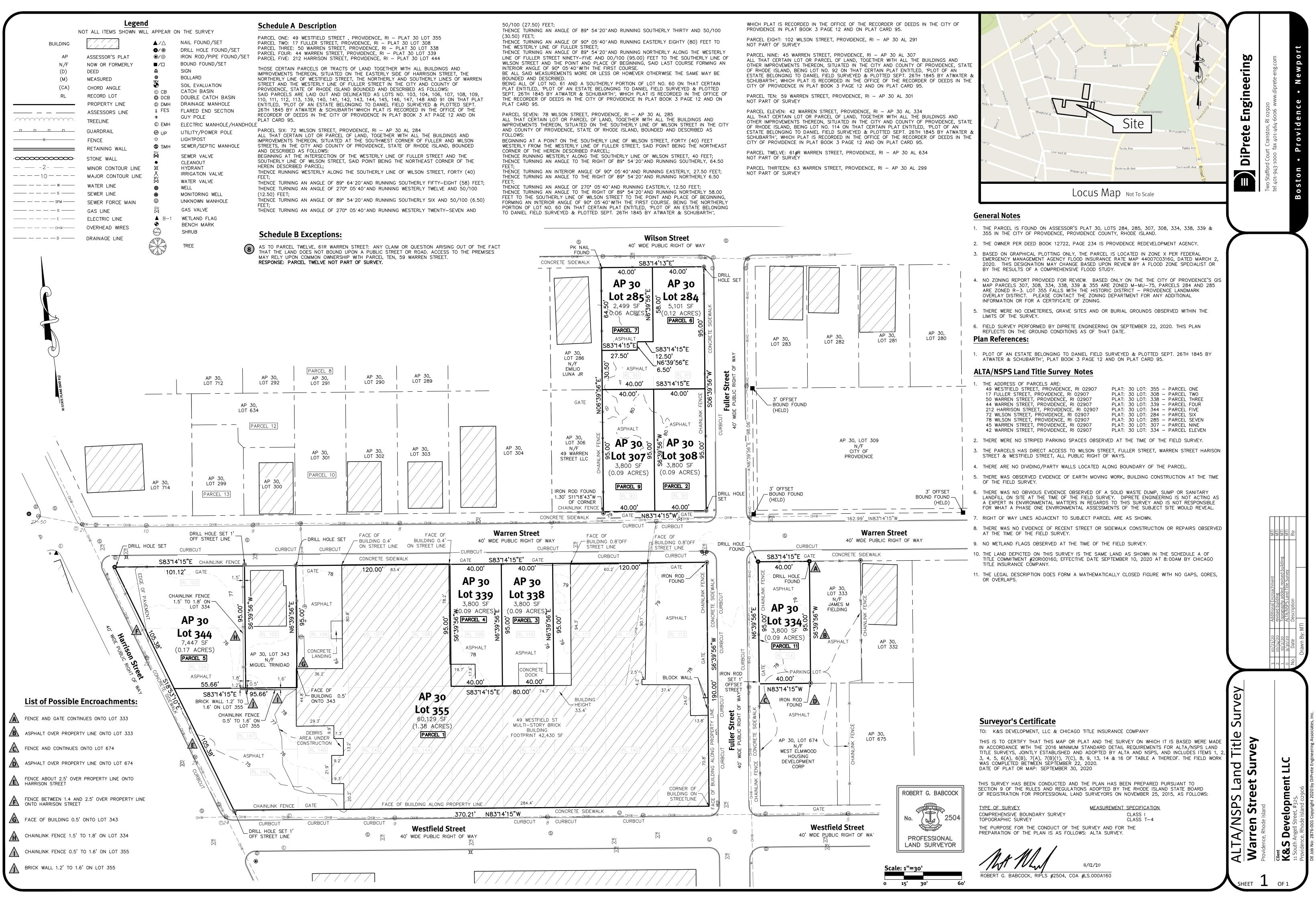
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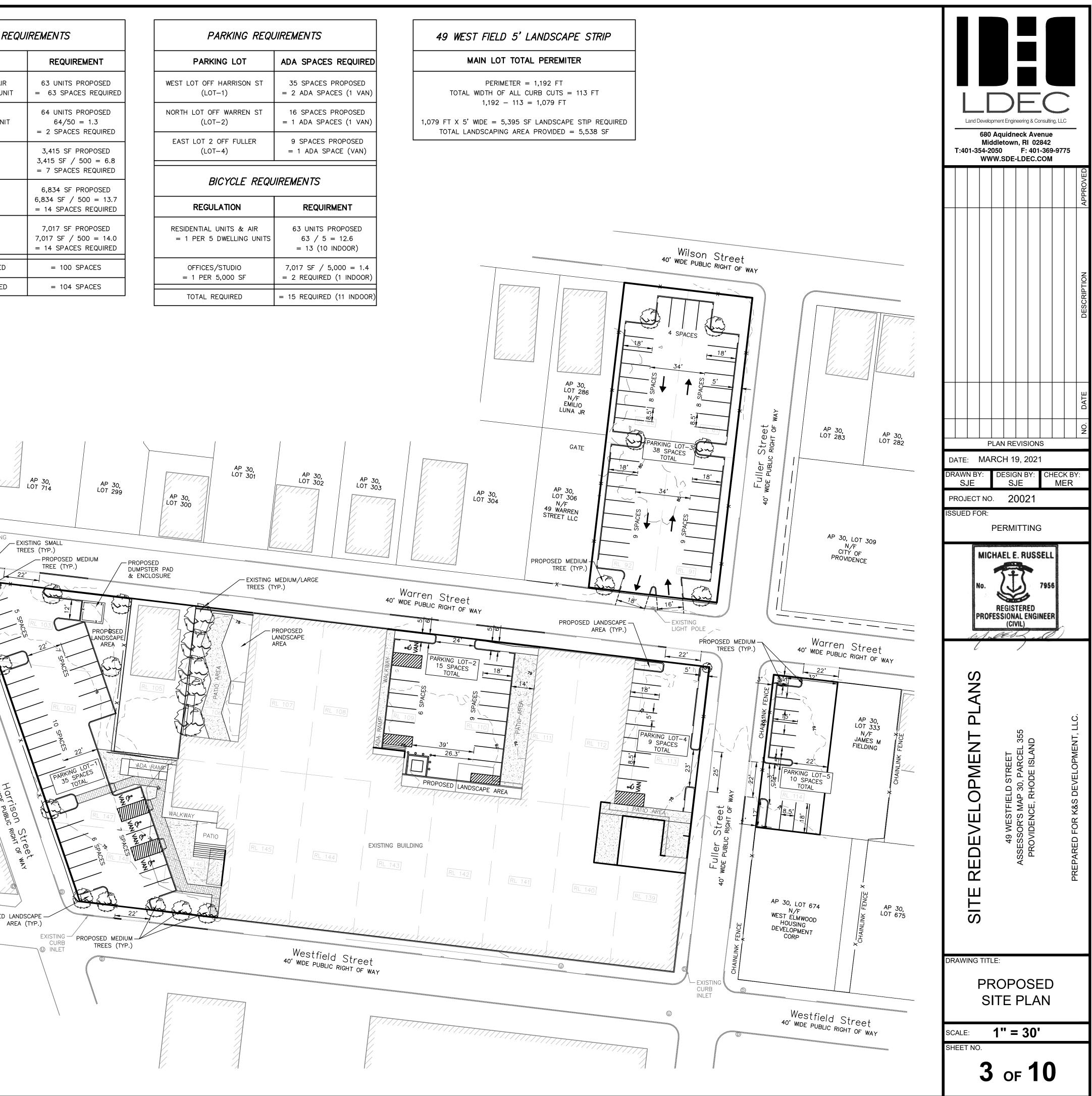
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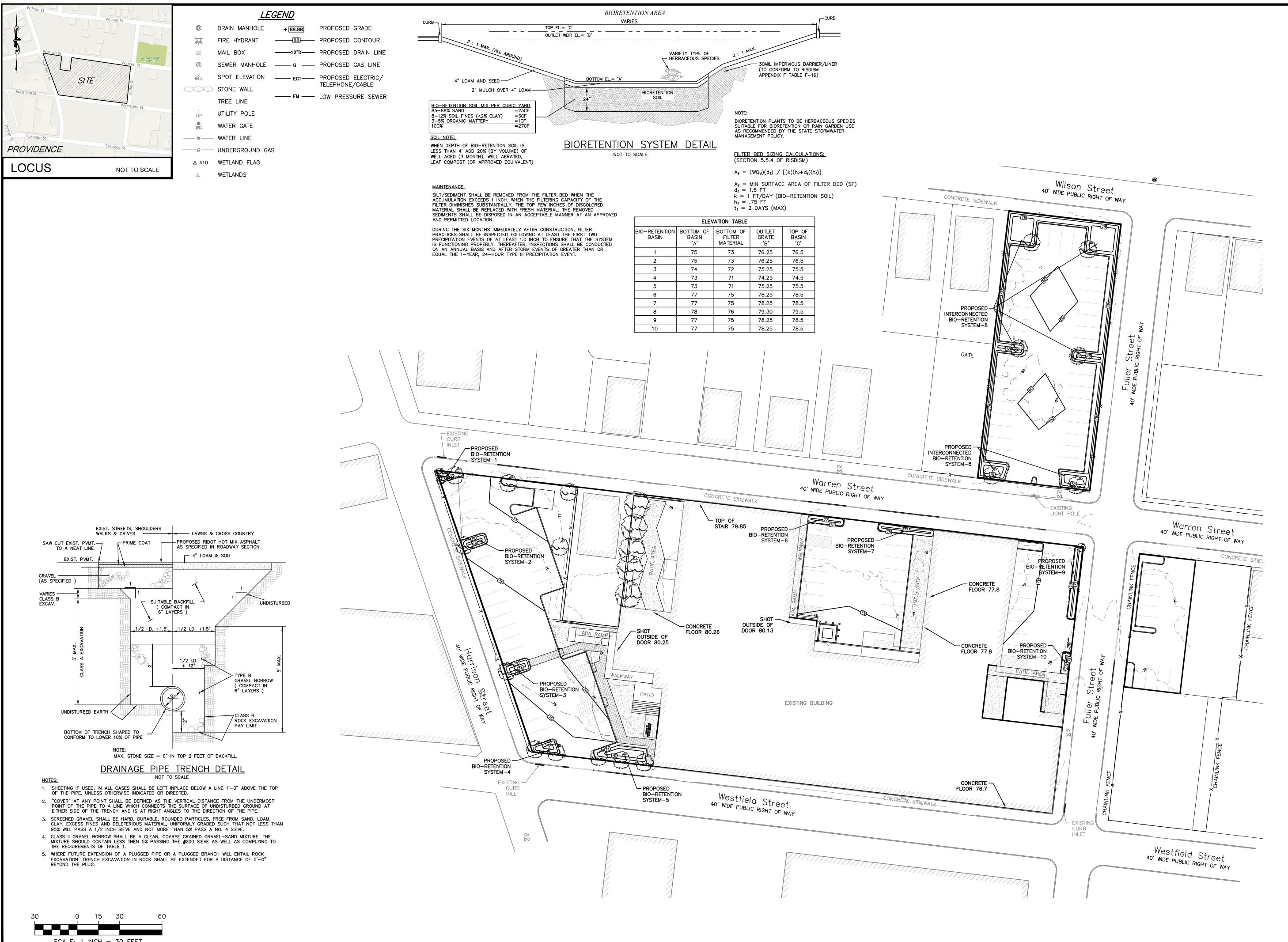
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		FIRE HYDRANT		- PROPOSED CONTOUR				
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	A A	UNDERGROUND G 10 WETLAND FLAG	SAS		RESTAURANT	= 7 SPACES REQUIRED 6,834 SF PROPOSED	BICYCLE REQU	UIREMENTS
CUS		WETLANDS			= 1 PER 500 SF	6,834 SF / 500 = 13.7 = 14 SPACES REQUIRED	REGULATION	REQUIRMENT
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TYPICAL BITU CONCRETE P. NOT TO SCA TREE CANC MAIN BUILD LOT 344: 7,447 SF LOT 355: 60,129 SF LOT 339: 3,800 SF LOT 338: 3,800 SF LOT 338: 3,800 SF LOT 334: 75,176 SF LOT 334: 3,800 SF LOT 334: 3,800 SF LOT 334: 3,800 SF	DPY REQUIREMENTS DPY REQUIREMENTS DING LOT & PARKING 15% = 11,276 SF 16 MEDIUM OR A COMBINATION MEDIUM & SMALL TREES REQUI 5 MEDIUM TREES EXISTING 11 MEDIUM TREES PROPOSEI TOTAL 16 MEDIUM TREES AL PARKING AREA 15% = 570 SF 1 MEDIUM OR 2 SMALL TRES REQUIRED 3 MEDIUM TREES PROPOSEI 3 MEDIUM TREES PROPOSEI	RED			CURB INLET	EXISTING SMALL TREES (TYP.) PROPOSED MEDIUM TREE (TYP.) 22' RL 103 PROPOSED AREA AREA AREA AREA AREA AREA AREA AR	DPOSED MPSTER PAD ENCLOSURE EXISTING TREES ()	MEDIUM/LARGE TYP.) PROPOSED LANDSCAPE AREA RE 107 RL 108
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TYPICAL BITL CONCRETE P NOT TO SCA NOT TO SCA International Science	DPY REQUIREMENTS ALE DPY REQUIREMENTS DING LOT & PARKING 15% = 11,276 SF 16 MEDIUM OR A COMBINATION MEDIUM & SMALL TREES REQUI 5 MEDIUM TREES EXISTING 11 MEDIUM TREES PROPOSEI TOTAL 16 MEDIUM TREES AL PARKING AREA 15% = 570 SF 1 MEDIUM OR 2 SMALL TRES REQUIRED 3 MEDIUM TREES PROPOSEI DING LOT & PARKING 15% = 2,280 SF 4 MEDIUM OR 3 MEDIUM & SMALL TRESS REQUIRED (O OTHER COMBINATIONS)	RED		7	PROPOSED	EXISTING SMALL TREES (TYP.) PROPOSED MEDIUM TREE (TYP.) 22' PROPOSED PROPOSED PROPOSED AREA AREA AREA AREA AREA AREA AREA AR	DPOSED MPSTER PAD ENCLOSURE EXISTING TREES () ADA RAME WALKWAY PATIO R 165 R	MEDIUM/LARGE TYP.) PROPOSED LANDSCAPE AREA RE 107 RL 108 RL 144
TYPICAL BITL CONCRETE P NOT TO SCA NOT TO SCA International Science	DPY REQUIREMENTS ALE DPY REQUIREMENTS DING LOT & PARKING 15% = 11,276 SF 16 MEDIUM OR A COMBINATION MEDIUM & SMALL TREES REQUI 5 MEDIUM TREES EXISTING 11 MEDIUM TREES PROPOSEI TOTAL 16 MEDIUM TREES AL PARKING AREA 15% = 570 SF 1 MEDIUM OR 2 SMALL TRES REQUIRED 3 MEDIUM TREES PROPOSEI DING LOT & PARKING 15% = 2,280 SF 4 MEDIUM OR 3 MEDIUM & SMALL TRESS REQUIRED (O OTHER COMBINATIONS)	RED		7	PROPOSED	EXISTING SMALL TREES (TYP.) PROPOSED MEDIUM TREE (TYP.) 22' PROPOSED MEDIUM TREE (TYP.) PROPOSED ANDSCAPE AREA PROPOSED AREA PROPOSED AREA AREA PROPOSED AREA AREA CONTENT CON	DPOSED MPSTER PAD ENCLOSURE EXISTING TREES () ADA RAME WALKWAY PATIO R 165 R	MEDIUM/LARGE TYP.) PROPOSED LANDSCAPE AREA RL 107 RL 108
TYPICAL BITL CONCRETE P NOT TO SCA NOT TO SCA International Science	DPY REQUIREMENTS ALE DPY REQUIREMENTS DING LOT & PARKING 15% = 11,276 SF 16 MEDIUM OR A COMBINATION MEDIUM & SMALL TREES REQUI 5 MEDIUM TREES EXISTING 11 MEDIUM TREES PROPOSEI TOTAL 16 MEDIUM TREES AL PARKING AREA 15% = 570 SF 1 MEDIUM OR 2 SMALL TRES REQUIRED 3 MEDIUM TREES PROPOSEI DING LOT & PARKING 15% = 2,280 SF 4 MEDIUM OR 3 MEDIUM & SMALL TRESS REQUIRED (O OTHER COMBINATIONS)	RED		7	PROPOSED	EXISTING SMALL TREES (TYP.) PROPOSED MEDIUM TREE (TYP.) 22' PROPOSED MEDIUM TREE (TYP.) PROPOSED ANDSCAPE AREA PROPOSED AREA PROPOSED AREA AREA PROPOSED AREA AREA CONTENT CON	DPOSED MPSTER PAD ENCLOSURE EXISTING TREES () ADA RAME WALKWAY PATIO R 165 R	MEDIUM/LARGE TYP.) PROPOSED LANDSCAPE AREA RE 107 RL 108 RL 108 RL 144 Woot Cit

30 SCALE: 1 INCH = 30 FEET

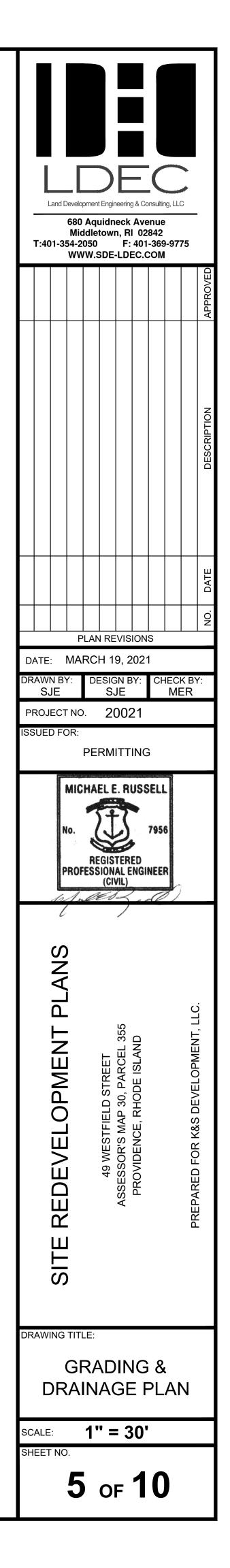
PARKING	REQUIREMENTS
/ / // // ///	

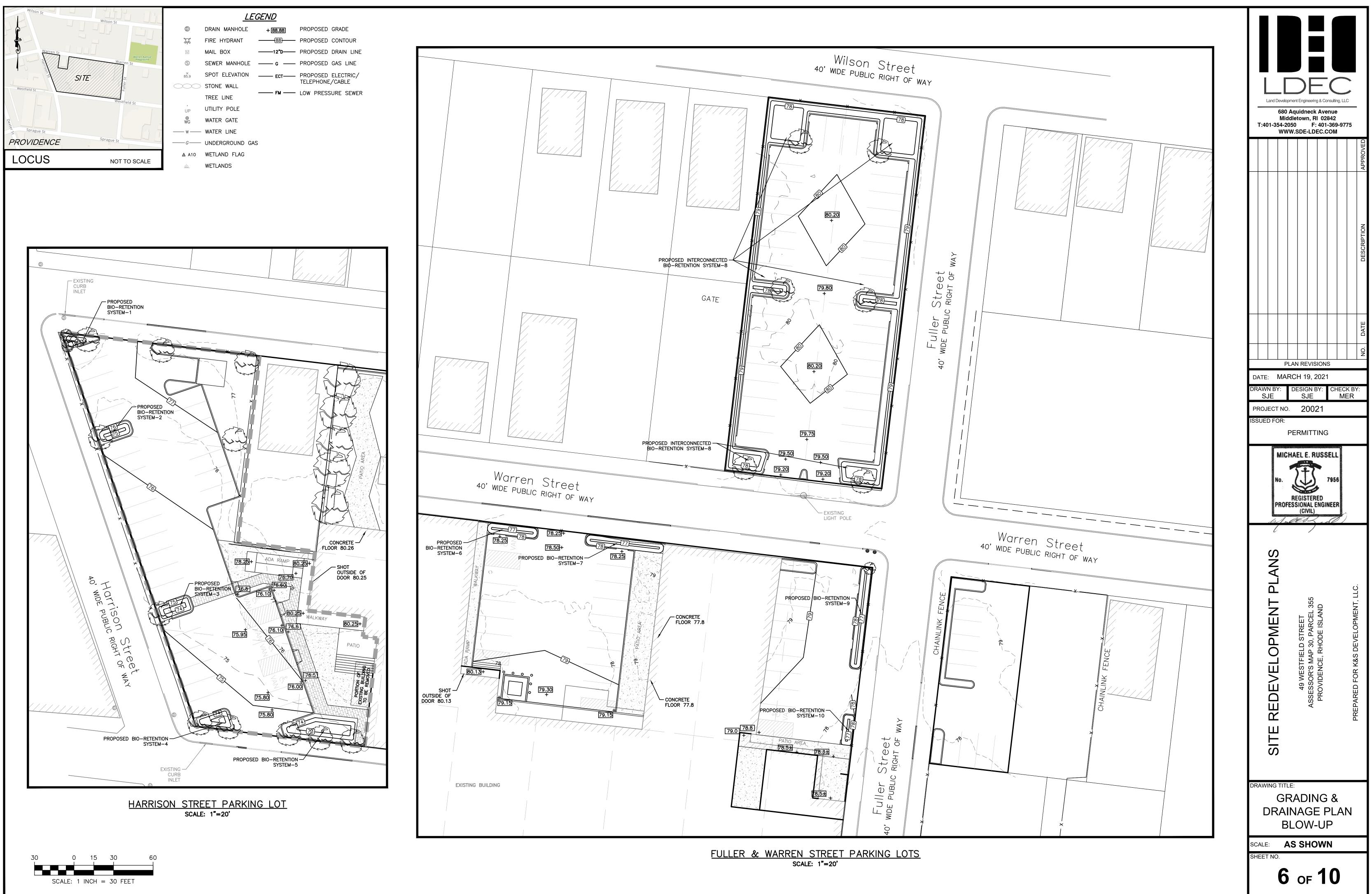


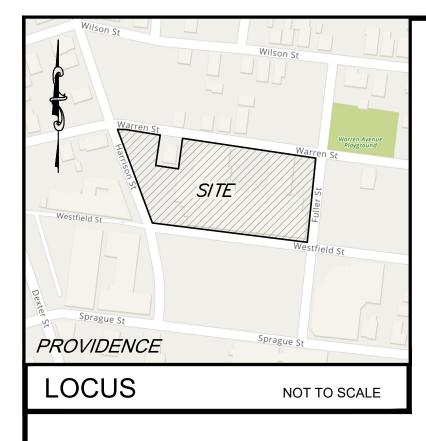


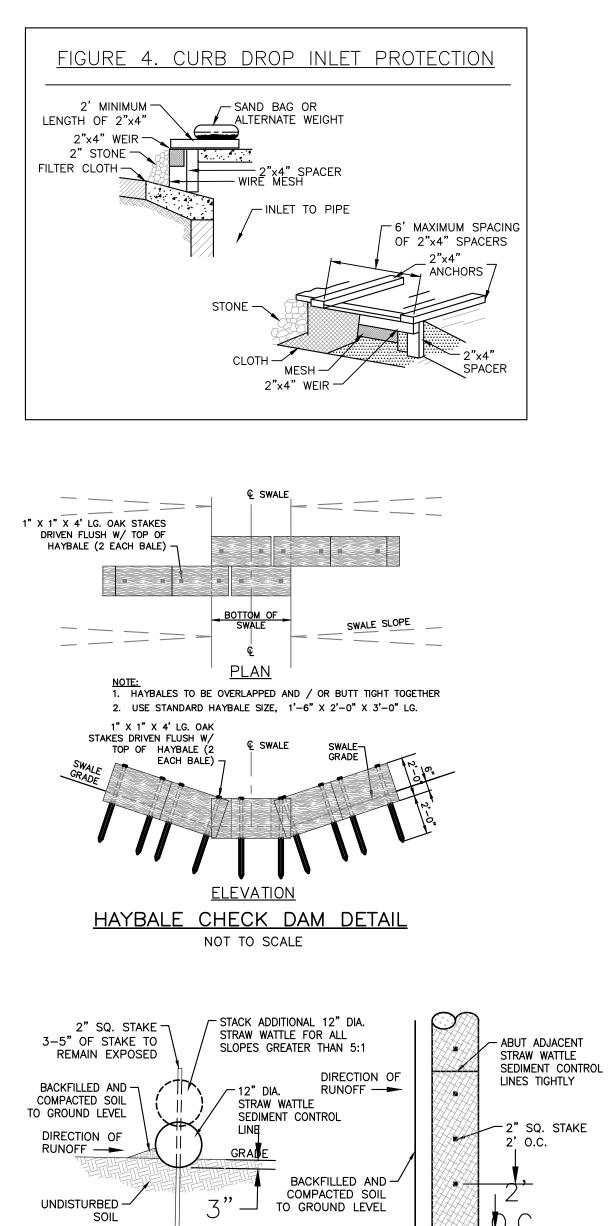


SCALE: 1 INCH = 30 FEET









DIRECTION OF

SPACING FOR SLOPE INSTALLATION: 1:1 SLOPES = 10 FT. APART 2:1 SLOPES = 20 FT. APART

3:1 SLOPES = 30 FT. APART

4:1 SLOPES = 40 FT. APART

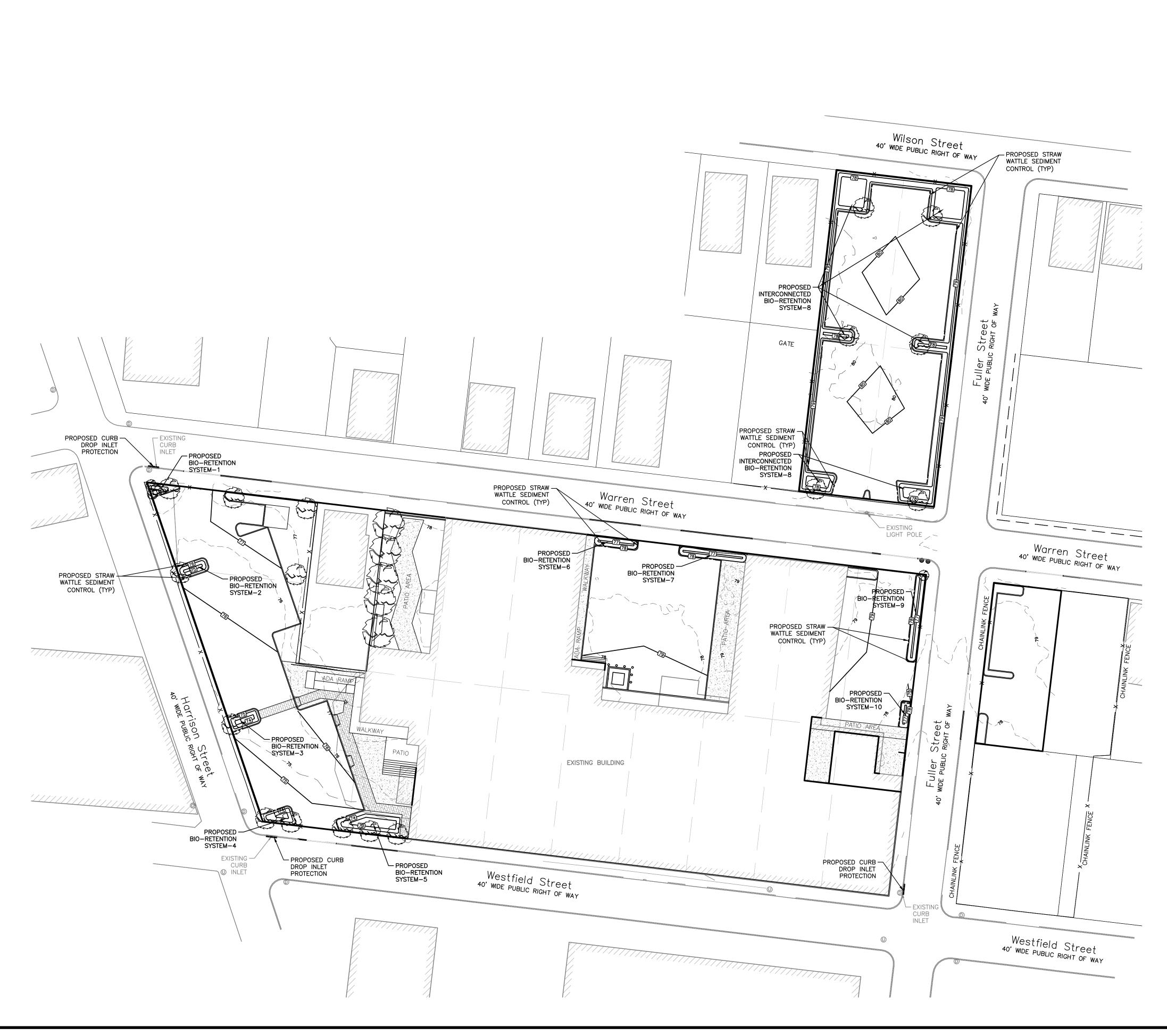
STACKED WATTLES REQUIRED FOR SLOPES GREATER THAN 5:1

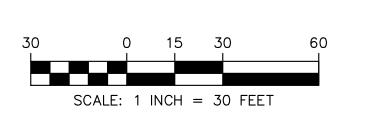
TYPICAL EROSION/SEDIMENT CONTROL

STRAW WATTLE DETAIL

NOT TO SCALE

<u>PLAN VIEW</u>





SECTION VIEW

TRENCH 3" BELOW EXISTING GRADE ALONG

STRAW WATTLE/SEDIMENT CONTROL LINE

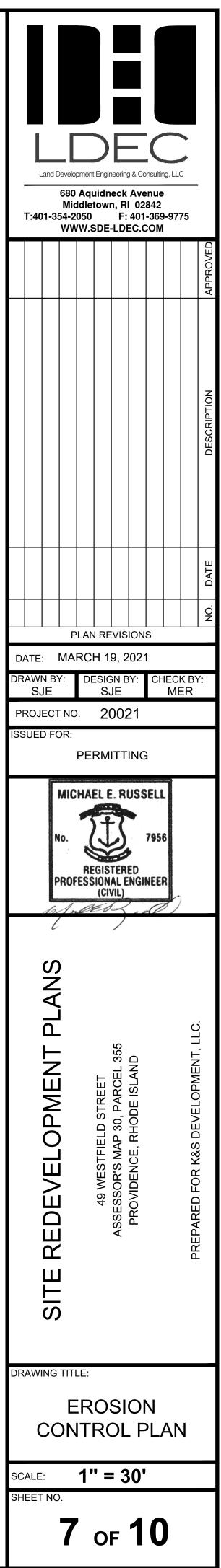
2. PLACE AND STAKE STRAW WATTLE/SEDIMENT

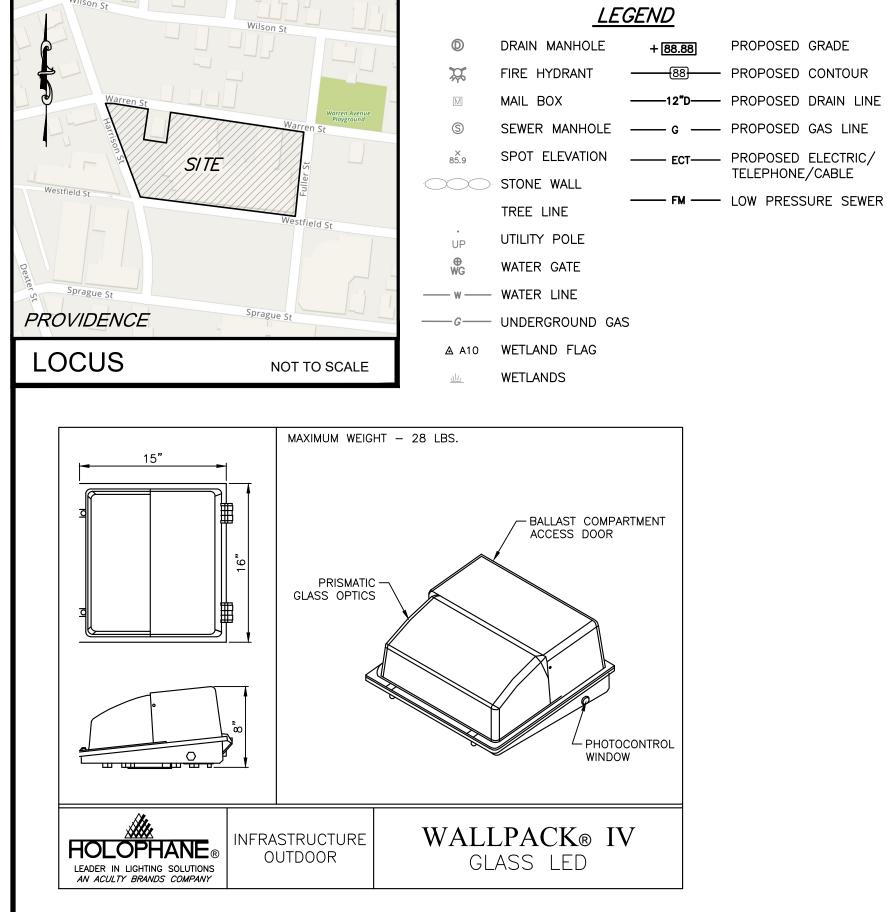
4. BACKFILL AND COMPACT EXCAVATED MATERIAL.

CONTROL LINES AS SHOWN. ABUT ADJACENT CHOIR LOGS TIGHTLY.

SEQUENCE OF INSTALLATION:

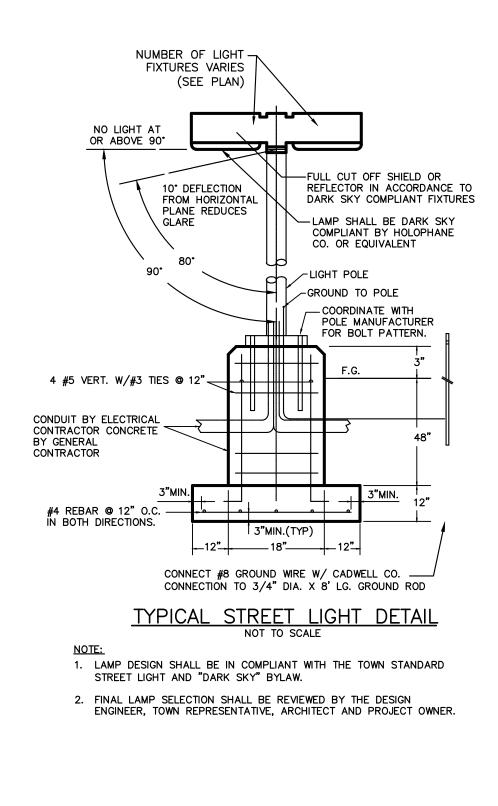
ALIGNMENT.

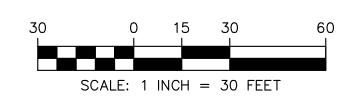


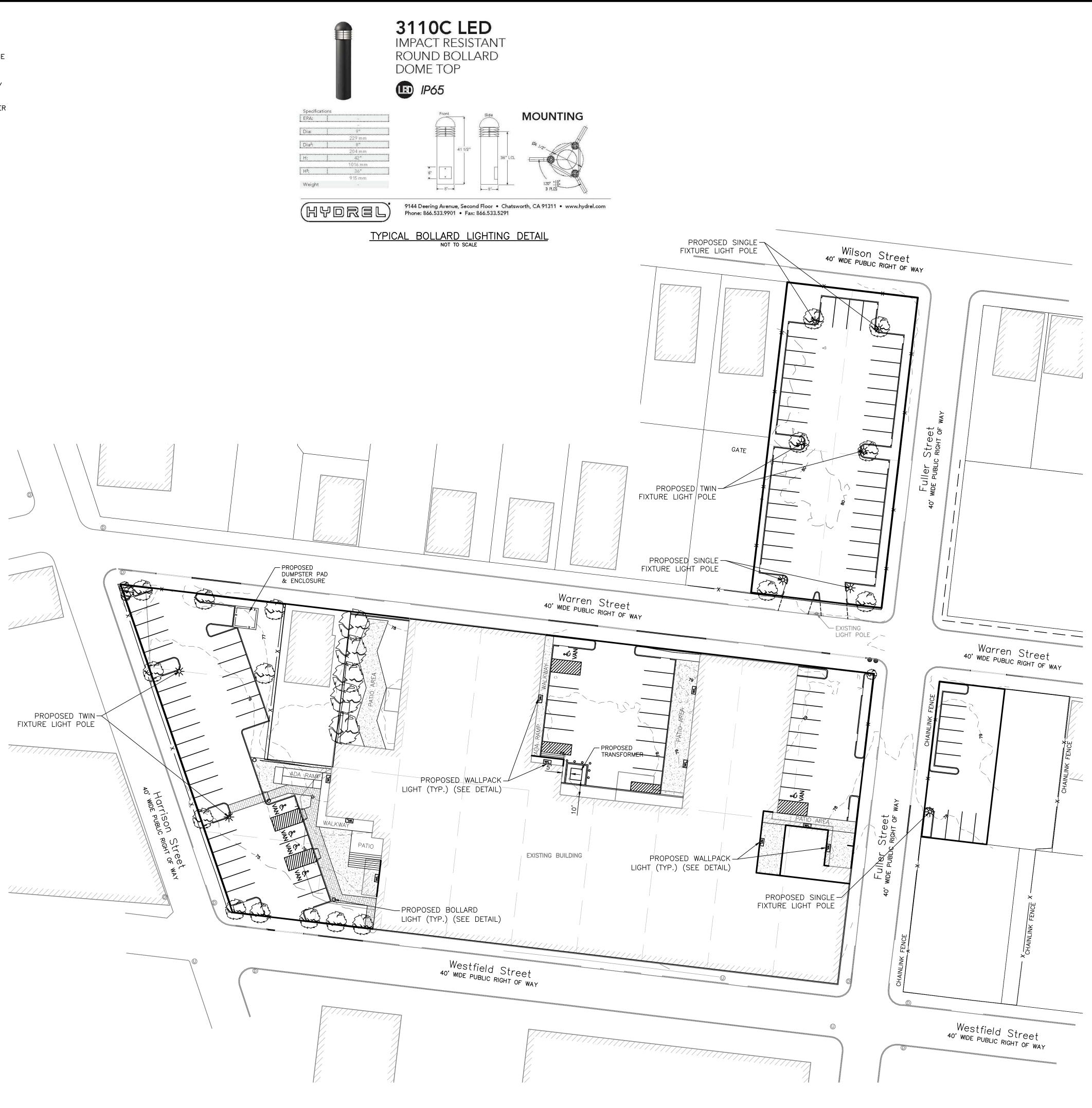


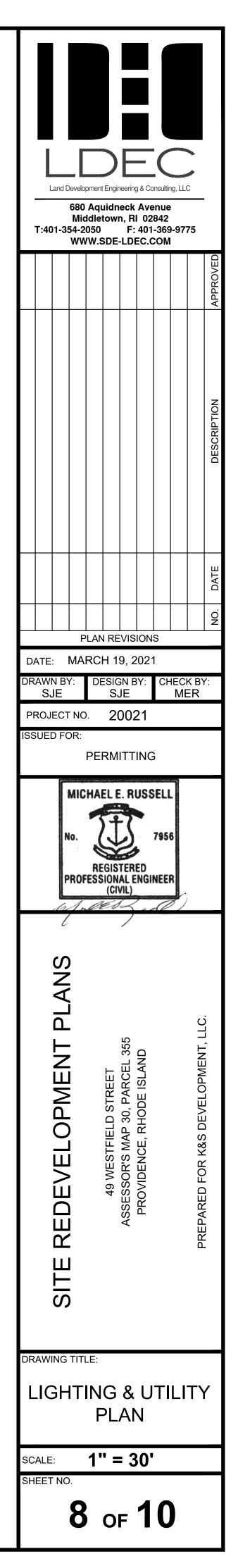
<u>NOTE:</u>

- 1. LAMP DESIGN SHALL BE IN COMPLIANT WITH THE TOWN ZONING BYLAW REGARDING SITE'S ZONING USE RECOMMENDED LIGHTING.
- 2. REFER TO LIGHTING PLAN FOR SPECIFIC LIGHTING TYPE, CLASS, MATERIAL AND CONSTRUCTION.
- 3. FINAL LAMP SELECTION SHALL BE REVIEWED BY THE DESIGN ENGINEER, TOWN REPRESENTATIVE, ARCHITECT AND PROJECT OWNER.

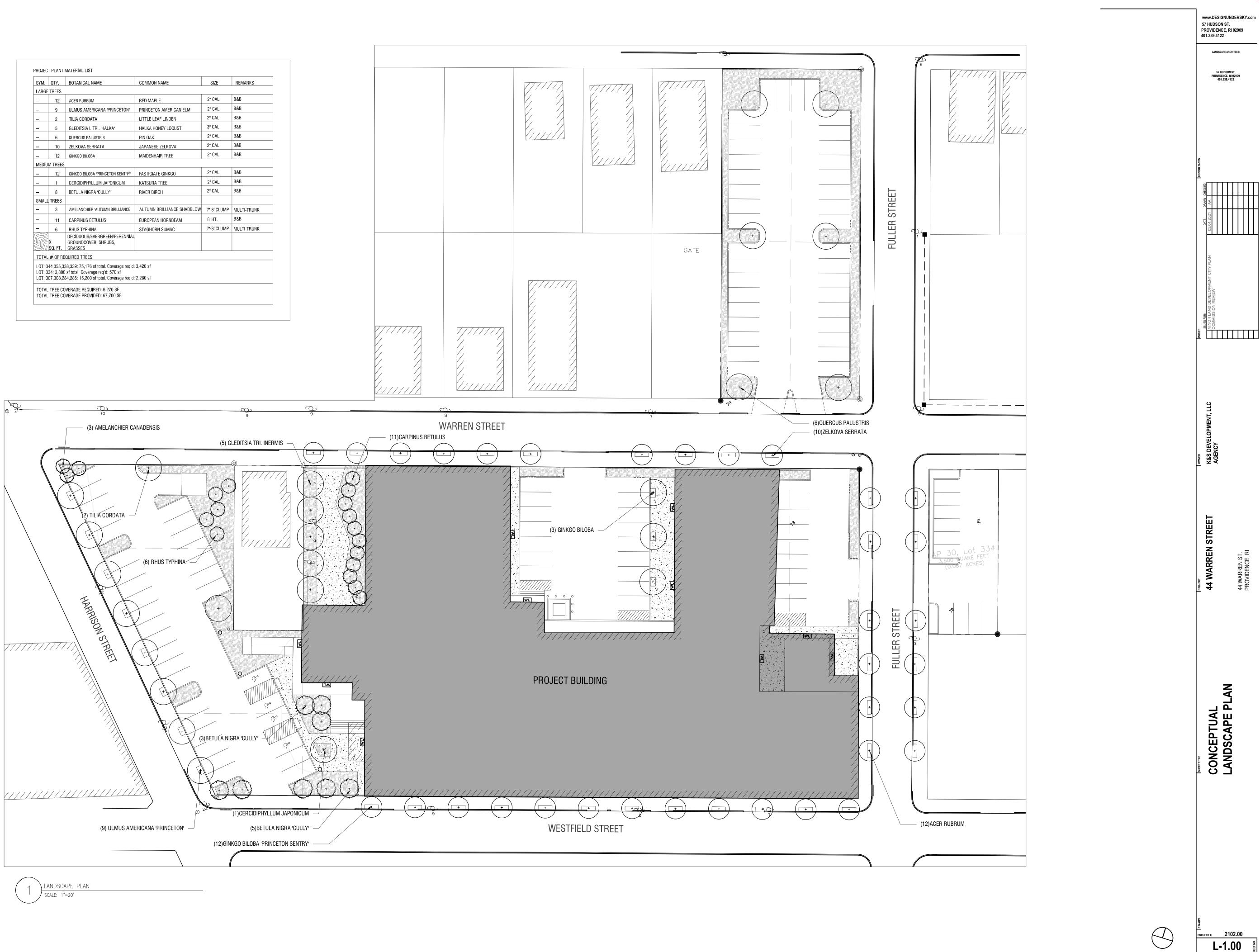








SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
LARGE	TREES	TT			
_	12	ACER RUBRUM	RED MAPLE	2" CAL	B&B
_	9	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2" CAL	B&B
-	2	TILIA CORDATA	LITTLE LEAF LINDEN	2" CAL	B&B
_	5	GLEDITSIA I. TRI. 'HALKA'	HALKA HONEY LOCUST	3" CAL	B&B
_	6	QUERCUS PALUSTRIS	PIN OAK	2" CAL	B&B
_	10	ZELKOVA SERRATA	JAPANESE ZELKOVA	2" CAL	B&B
_	12	GINKGO BILOBA	MAIDENHAIR TREE	2" CAL	B&B
MEDIU	M TREES				
_	12	GINKGO BILOBA 'PRINCETON SENTRY'	FASTIGIATE GINKGO	2" CAL	B&B
_	1	CERCIDIPHYLLUM JAPONICUM	KATSURA TREE	2" CAL	B&B
_	8	BETULA NIGRA 'CULLY'	RIVER BIRCH	2" CAL	B&B
SMALL	TREES				
-	3	AMELANCHIER 'AUTUMN BRILLIANCE	AUTUMN BRILLIANCE SHADBLOW	7'-8' CLUMP	MULTI-TRUNK
-	11	CARPINUS BETULUS	EUROPEAN HORNBEAM	8' HT.	B&B
-	6	RHUS TYPHINA	STAGHORN SUMAC	7'-8' CLUMP	MULTI-TRUNK
	X SQ. FT.	DECIDUOUS/EVERGREEN/PERENNIAL GROUNDCOVER, SHRUBS, GRASSES			
TOTAL	# OF RE	QUIRED TREES			
LOT: 3	34: 3,800	38,339: 75,176 sf total. Coverage req'd:) sf total. Coverage req'd: 570 sf 84,285: 15,200 sf total. Coverage req'd:			
		OVERAGE REQUIRED: 6,270 SF. OVERAGE PROVIDED: 67,700 SF.			



DESIGN UNDER SKY LANDSCAPE ARCHITECTURE

CONSTRUCTION NOTES

- THE CONTRACTOR SHALL MAKE APPLICATIONS FOR AND PAY ALL FEES FOR PERMITS REQUIRED TO CONSTRUCT THIS PROJECT. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE PREPARATION NECESSARY
- FOR THE COMPLETE INSTALLATION OF THE PROJECT FACILITIES DURING CONSTRUCTION
- ALL CHANGES TO THE PLAN MUST BE APPROVED BY LAND DEVELOPMENT ENGINEERING & CONSULTING, LLC
- 4. ALL SYSTEM COMPONENTS, EXCEPT PERFORATED PIPING, SHALL BE WATERTIGHT AS REQUIRED BY THE TOWN OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS.
- 5. THE LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES ARE APPROXIMATE ONLY. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR THAT ALL UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF THE UTILITIES AND STRUCTURES, AS REQUIRED PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH RECORD DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR IS CAUTIONED TO CONTACT DIG SAFE (1-888-344-7233) 72 HOURS BEFORE DIGGING.
- 5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THE APPROPRIATE HIGHWAY & UTILITY DEPARTMENTS.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING AND NEWLY INSTALLED UTILITIES IN GOOD WORKING ORDER AND SHALL PROTECT THEM FROM DAMAGE AT ALL TIMES UNTIL THE WORK IS COMPLETED AND ACCEPTED BY THE OWNER.
- 8. ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION UTILITY CONNECTIONS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY
- 9. THE CONTRACTOR SHALL UTILIZE ALL MEASURES AND MATERIALS NECESSARY TO ENSURE THE SAFETY OF ALL PERSONS AND PROPERTIES AT THE SITE DURING CONSTRUCTION. ALL EXCAVATIONS SHALL CONFORM TO CURRENT OSHA STANDARDS.
- 10. A MINIMUM OF 18" VERTICAL CLEARANCE SHALL BE MAINTAINED WHENEVER SANITARY SEWERS PASS BELOW WATER MAINS OR DRAIN LINES. OTHERWISE, WATER SERVICE, DRAIN LINES AND SEWER LINES SHALL BE CAREFULLY ENCASED IN CONCRETE FOR A MINIMUM OF TEN (10) FEET FROM THE CROSSING POINT. WHERE SEWER LINES PASS ABOVE WATER OR DRAIN LINES, THEY SHALL ALL BE ENCASED IN CONCRETE REGARDLESS OF CLEARANCE.

STORMWATER FACILITY OPERATION AND MAINTENANCE

- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES UNTIL SUCH TIME AS THE ROADWAYS AND ASSOCIATED UTILITIES ARE ACCEPTED BY THE OWNER.
- ALL STORMWATER FACILITIES SHOULD BE INSPECTED AFTER EVERY MAJOR RAINFALL EVENT FOR THE FIRST 3 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND CONSTRUCTION.
- . THE CONTRACTOR SHALL INSPECT AND CLEAN ALL FACILITIES OF SEDIMENT AND DEBRIS PRIOR TO THE OWNER'S ACCEPTANCE.
- ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED FROM ALL FACILITIES AT LEAST ONCE A YEAR OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS THREE INCHES.
- . THE SIDE SLOPES AND BOTTOMS OF ALL DRAINAGE SWALES SHOULD BE MOWED TO A MINIMUM HEIGHT OF FOUR INCHES AT LEAST TWICE A YEAR. ALL GRASS CLIPPINGS AND ORGANIC MATTER SHOULD BE REMOVED FROM ALL DRAINAGE WAYS AND WETLAND BUFFER ZONES.
- 6. ALL REMOVED SEDIMENTS ARE TO BE PROPERLY DISPOSED AT A LOCATION TO BE APPROVED BY THE BOARD OF HEALTH. TRANSPORTATION AND DISPOSAL OF SEDIMENTS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- . ANY DEFICIENCIES NOTED DURING MAINTENANCE SHALL BE REPORTED TO THE OWNER AND CORRECTED IMMEDIATELY.
- FOLLOW MANDATE PROGRAM AND SCHEDULE FOR EXISTING STORMWATER MANAGEMENT SYSTEM AS APPROVED BY THE TOWN OF MIDDLETOWN AND THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL PROTECTION DECISION DATED 2007

CONSTRUCTION SEQUENCE

- 1. INSTALL CONSTRUCTION FENCING/TREE PROTECTION AS SPECIFIED.
- 2. INSTALL PERIMETER EROSION CONTROL MEASURES, CONSTRUCTION EXIT, AND INLET PROTECTION ON ADJACENT DRAINAGE STRUCTURES.
- 3. CLEAR AND GRUB PROPERTY, INSTALL BASIN OUTFALL SWALE FOR COLLECTION OF SEDIMENTS.
- 4. PERFORM DEMOLITION AND ROUGH GRADE SITE.
- 5. INSTALL UTILITIES AND SITE IMPROVEMENTS. FINISH GRADE AND INSTALL LANDSCAPE MATERIAL AS SPECIFIED.
- REMOVE SEDIMENTATION CONTROLS ONLY WHEN SITE IS COMPLETELY STABILIZED, AND AT THE DIRECTION OF THE OWNER/ENGINEER.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- PRIOR TO INITIATING CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER AND/OR AS NECESSITATED BY FIELD CONDITIONS. THE CONTRACTOR SHALL MAINTAIN THESE MEASURES UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN STABILIZED.
- INSTALLATION SEQUENCE A. INSTALL SILT FENCE AND HAYBALES AS SHOWN ON PLAN.
- B. CLEAR AND GRUB SITE. CONSTRUCT SITE INFRASTRUCTURE AS SHOWN ON PLANS.
- THE FOLLOWING ACTIVITIES SHALL TAKE PLACE IMMEDIATELY FOLLOWING CONSTRUCTION OF EMBANKMENTS AND FILL SLOPES: PLACEMENT OF LOAM AND GRASS SEED, INSTALLATION OF GEOWEB SLOPE STABILIZATION.
- THE CONTRACTOR SHALL INSPECT ALL FILL SLOPES AND EMBANKMENTS ON A WEEKLY BASIS AND FOLLOWING ALL RAINFALL EVENTS UNTIL A MINIMUM 75% GRASS COVER IS ESTABLISHED SUFFICIENT TO PREVENT EROSION FROM OCCURRING.
- . ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OR AS DIRECTED BY THE ENGINEER.
- 3. AFTER THE INSTALLATION OF DRAINAGE STRUCTURES, HAYBALES OR OTHER APPROVED MATERIALS SHALL BE PLACED TO PROTECT THE INTEGRITY OF THE STRUCTURES.

ACTIVITIES, SPECIALLY ON STOCKPILES.

- 4. DISTURBED AREAS SHALL BE STABILIZED WITH THE APPLICATION OF A MINIMUM OF FOUR INCHES (4) OF LOAM AND SHALL BE SEEDED WITH AN APPROVED GRASS MIX OR SHALL BE RIPRAPPED AS SOON AS POSSIBLE AFTER THE FINISHED GRADE HAS BEEN MET. IF FINAL GRADING DOES NOT OCCUR DURING THE GROWING SEASON. THESE AREAS SHALL BE MULCHED WITH HAY AND SECURED BY JUTE NETTING WITH STAPLES. SLOPES EXCEEDING 2:1 SHALL BE LOAMED AND STABILIZED WITH PEGGED SOD OR APPROVED EROSION CONTROL BLANKETS UNLESS OTHERWISE NOTED.
- THE MOUTHS OF ALL CATCH BASINS SHALL BE FITTED WITH SILTSACK OR FILTER FABRIC DURING THE ENTIRE CONSTRUCTION PROCESS TO RETARD SILTATION.
- WHERE APPLICABLE, PROPER DUST CONTROL MEASURES SHALL APPLY TO REDUCE THE SURFACE AND AIR TRANSPORT OF DUST GENERATED DURING CONSTRUCTION. THE FOLLOWING METHODS SHALL BE USED: A. WET SUPPRESSION WITHOUT WETTING AGENT SHALL BE APPLIED DURING LOAD IN / LOAD OUT AND EARTH MOVING CONSTRUCTION
- B. INACTIVE STOCKPILES SHALL BE STABILIZED THROUGH APPLICATION OF SOIL STABILIZERS OR SEEDING.
- WIND SCREENS OR BARRIERS AND PLASTIC TARP COVERS SHALL BE SECURED TO PREVENT WIND DISLODGE AND DAMAGE. ANY DAMAGES SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- CONTRACTOR SHALL CONSTRUCT A TEMPORARY CRUSHED STONE CONSTRUCTION ENTRANCE APPROXIMATELY DRIVEWAY WIDTH WIDE BY 50' LONG BY 6" DEEP FOR USE DURING CONSTRUCTION ACTIVITIES AS NECESSARY TO REMOVE SEDIMENT FROM VEHICLES. THE CONSTRUCTION ENTRANCE IS TO BE LOCATED AT THE ENTRANCE TO THE SITE FROM EXISTING ACCESS DRIVEWAY.
- DEWATERING OPERATIONS SHALL BE PROVIDED, IF REQUIRED; ALL DISCHARGE SHALL PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON WATER BODIES, BORDERING VEGETATED WETLANDS, DRAINAGE SYSTEMS AND ABUTTING PROPERTIES.

