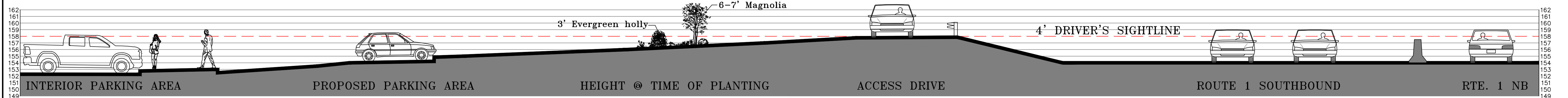




VIEW FROM DRONE CAMERA @ 4' HEIGHT ABOVE ROUTE 1 SOUTHBOUND



VIEW FROM DRONE CAMERA @ 4' HEIGHT ABOVE ROUTE 1 NORTHBOUND



SIGHT LINE CROSS-SECTION (A-A1)



VIEW FROM DRONE CAMERA ABOVE SITE WITH PROPOSED PARKING

Thomas J. Principe, III  
 No. 9107  
 REGISTERED PROFESSIONAL ENGINEER

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REVISIONS			
No.	DATE	DRWN	CHKD
1.	6/29/21	KAB	TJP

MODIFICATION TO AN APPROVED PLAN  
 for  
**WESTERLY COMMUNITY CREDIT UNION**  
**PARKING EXPANSION**  
 in  
 SOUTH KINGSTOWN, RHODE ISLAND  
**SIGHT VIEW PERSPECTIVE**

SCALE: N/A      SHEET NO.: 1 OF 4  
 DRAWN BY: KAB      DESIGN BY: KAB      CHECKED BY: TJP  
 DATE: 5/27/21      PROJECT NO.: LD-13-1 PH II

**EROSION CONTROL AND SEDIMENT CONTROL PLAN:**

1. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRUBBING, DEMOLITION OR EARTHWORK ACTIVITY, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE PLANS ARE TO BE INSTALLED BY THE CONTRACTOR.
2. CONSTRUCTION ACCESS STABILIZATION ENTRANCE PADS ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE GRUBBING OR EARTHWORK ACTIVITY.
3. EXISTING CATCH BASINS ARE TO BE PROTECTED WITH HAY BALES AND/OR SILT SACS PRIOR TO THE START OF SITE GRUBBING, EARTHWORK OR UNDERGROUND UTILITY AND DRAINAGE INFRASTRUCTURE INSTALLATION TO SERVE THE DEVELOPMENT SITE.
4. THE PROJECT CONSTRUCTION SEQUENCE, TO THE EXTENT PRACTICAL, SHOULD REQUIRE THE INSTALLATION OF DOWN GRADE AND OFF SITE STORM DRAINAGE SYSTEM IMPROVEMENTS BEFORE THE START OF SITE GRUBBING AND EARTHWORK ACTIVITY.
5. TEMPORARY SITE SLOPE TREATMENTS FOR SOIL STABILIZATION SHALL CONSIST OF HAY, STRAW, FIBER MULCH, RIP RAP OR PROTECTIVE COVERS SUCH AS MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, AND EXCELSIOR OR EQUAL PRODUCTS). THESE AND OTHER ACCEPTABLE MEASURES SHALL BE INCORPORATED INTO THE SITE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
6. CONSTRUCTION SITES ARE DYNAMIC, THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND OR MOVEMENT AND MAINTENANCE OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL MEASURES AS NEEDED TO MAXIMIZE THE INTENT OF THE PLAN FOR ALL SITE CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERIODIC INSPECTION, MAINTENANCE, REPAIR, AND REPLACEMENT OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL DEVICES UNTIL AN ACCEPTABLE PERMANENT VEGETATIVE GROWTH IS ESTABLISHED. THE CONTRACTOR SHALL MAINTAIN A DETAIL LOG OF ALL EROSION CONTROL INSPECTIONS, COMPLAINTS RELATED TO EROSION OR SEDIMENT, AND CORRECTIVE REMEDIAL MEASURES TAKEN THROUGHOUT THE COURSE OF THE PROJECT CONSTRUCTION.
8. SOIL EROSION AND SEDIMENT CONTROL IS NOT LIMITED TO DAMAGES CAUSED BY WATER BUT ALSO INCLUDES EROSION AND SEDIMENT RESULTING FROM WINDS. MEASURES, SUCH AS TEMPORARY GROUND COVERS, WATER AND CALCIUM APPLICATIONS ARE TO BE UNDERTAKEN AS NEEDED TO MINIMIZE WIND RELATED SOIL AND DUST CONTROL.
9. STOCK PILES OF EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLANDS. STOCK PILES SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%). STOCK PILES SHALL BE SURROUNDED ON THE DOWN GRADIENT OF THE EXISTING GROUND SURFACE BY HAY BALES OR SILT FENCE. THE STOCK PILES SHALL ALSO BE SEEDED OR STABILIZED IN SOME MANNER TO PREVENT SOIL EROSION.
10. THE SMALLEST POSSIBLE SITE AREAS SHALL BE DISTURBED OR EXPOSED AT ONE TIME AND DENUDE SLOPES OR WORK AREAS SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS INACTIVE PERIODS OR SITE WORK SHUT DOWNS.
11. TO THE EXTENT POSSIBLE, ALL DISTURBED AREAS MUST BE SEEDED OR STABILIZED WITHIN THE CONSTRUCTION SEASON. STABILIZATION OF ONE FORM OR ANOTHER SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
12. EXPOSED STEEP OR LONG SLOPES SHOULD BE TREATED WITH "CRIMPING" OR "TRACKING" TO REDUCE EROSION AND SEDIMENT AND TO TACK DOWN SEEDING OR MULCH APPLICATIONS.
13. IF CONCRETE IS TO BE USED ON SITE, THE CONTRACTOR MUST ESTABLISH AND MAINTAIN SPECIFIC WASHOUT AREAS FOR THE CONCRETE TRUCKS WITH APPROPRIATE PROTECTION CONTROLS.
14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING COLLECTION AND STORAGE LOCATIONS ON-SITE FOR ALL CONSTRUCTION DEBRIS AND TRASH SO THAT THIS MATERIAL DOES NOT BECOME A NEIGHBORHOOD NUISANCE.
15. EXISTING TREES AND VEGETATION WILL BE RETAINED WHENEVER FEASIBLE.
16. SITE SOIL EROSION AND SOIL STABILIZATION AND SEDIMENT CONTROLS MUST CONFORM TO ALL REQUIREMENTS OF THE APPLICABLE LOCAL COMMUNITY ORDINANCES AND STATE REGULATIONS.

**ORDER OF PROCEDURE:**

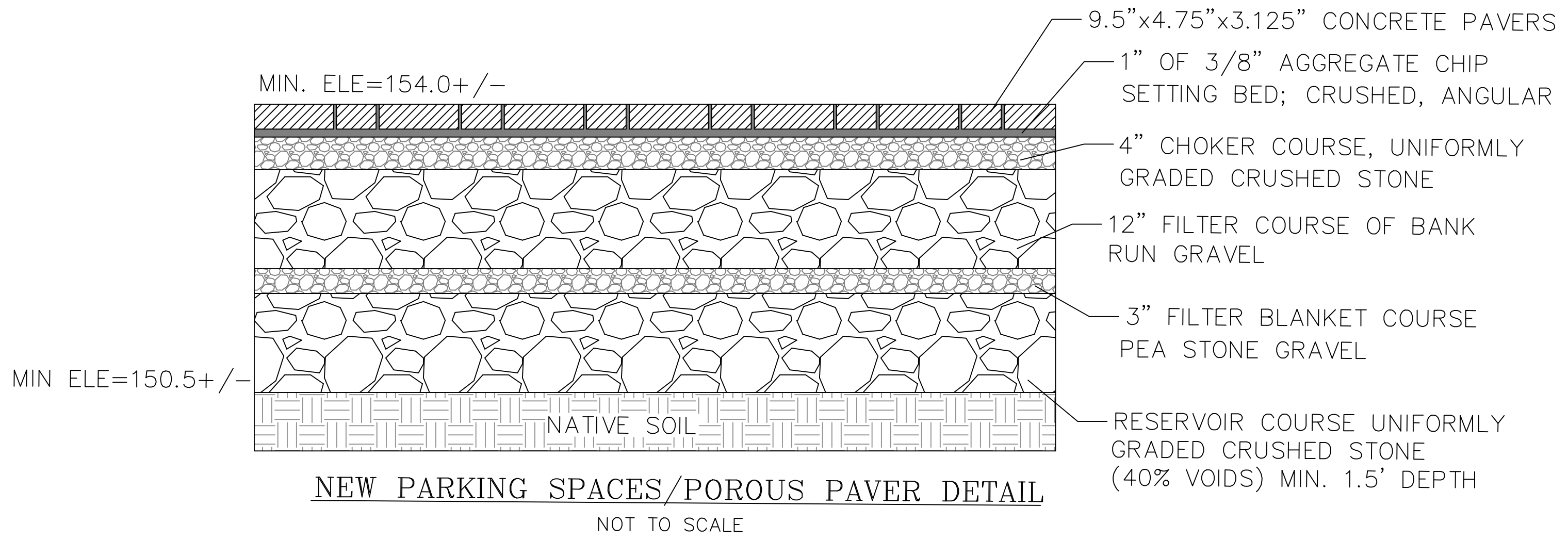
1. PRIOR TO ANY CLEARING AND GRUBBING OR ANY ROUGH GRADING, TEMPORARY HAYBALES AND SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF CONSTRUCTION AS PER THE PLANS (I.E. ALONG ROADWAYS, STREAM BANKS, CRITICAL AREAS, ETC.).
2. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS FOR TEMPORARY CONTROL.
3. IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
4. TEMPORARY HAYBALES AND SANDBAGS ALONG AND AT THE ENDS OF ROADWAYS MAY ALSO BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
5. HAYBALES LOCATED AT DRAINAGE OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.

**SOIL STABILIZATION PROGRAM**

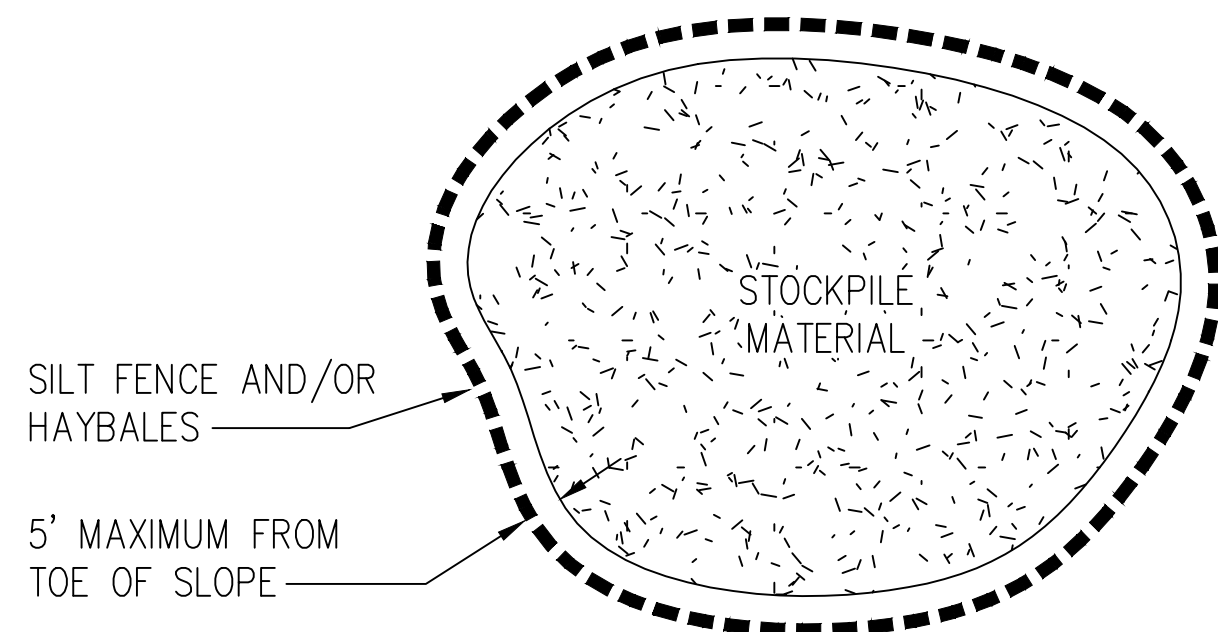
1. DENUDE SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
2. ALL DISTURBED SLOPES, EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE, FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
3. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH R.I. STD SPECIFICATION M 18.
4. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
5. THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING PERMANENT SEEDING MIXTURES:
 

A. MOWED AREA (ALL FLATS OR SLOPES LESS THAN 3:1)	
MIXTURE:	% BY WEIGHT:
RED FESCUE	75
KENTUCKY BLUEGRASS	15
COLONIAL BENTGRASS	5
PERENNIAL RYEGRASS	5
TOTAL:	100 lbs/Ac.
6. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS) THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
7. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000 - 4,000 lbs/Ac.
8. ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP MINIMIZE THE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:
 

MIXTURE:	lbs /1,000 S.F.
ANNUAL RYEGRASS	1.0 - 1.5
PERENNIAL RYEGRASS	1.0 - 1.5
SUDAN GRASS	0.7 - 1.0
MILLET	0.7 - 1.0
WINTER RYE	3.0
CATS	0.5 - 5.0
WEEPING COVER GRASS	0.5 - 5.0
9. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
10. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STD SPECIFICATIONS SECTION 202.
11. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
12. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS, THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
13. ON BOTH STEEP AND LONG SLOPES CONSIDERATION SHALL BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
14. REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION
15. THE DRAINAGE SYSTEM SHALL RECEIVE ONE FINAL CLEANING PRIOR TO ACCEPTANCE TO THE OVERALL PROJECT BY THE OWNER SEDIMENTS SHALL BE DISPOSED OF IN A PROPER MANNER.



**PARKING SIGN FOR NEW SPACES**  
NOT TO SCALE



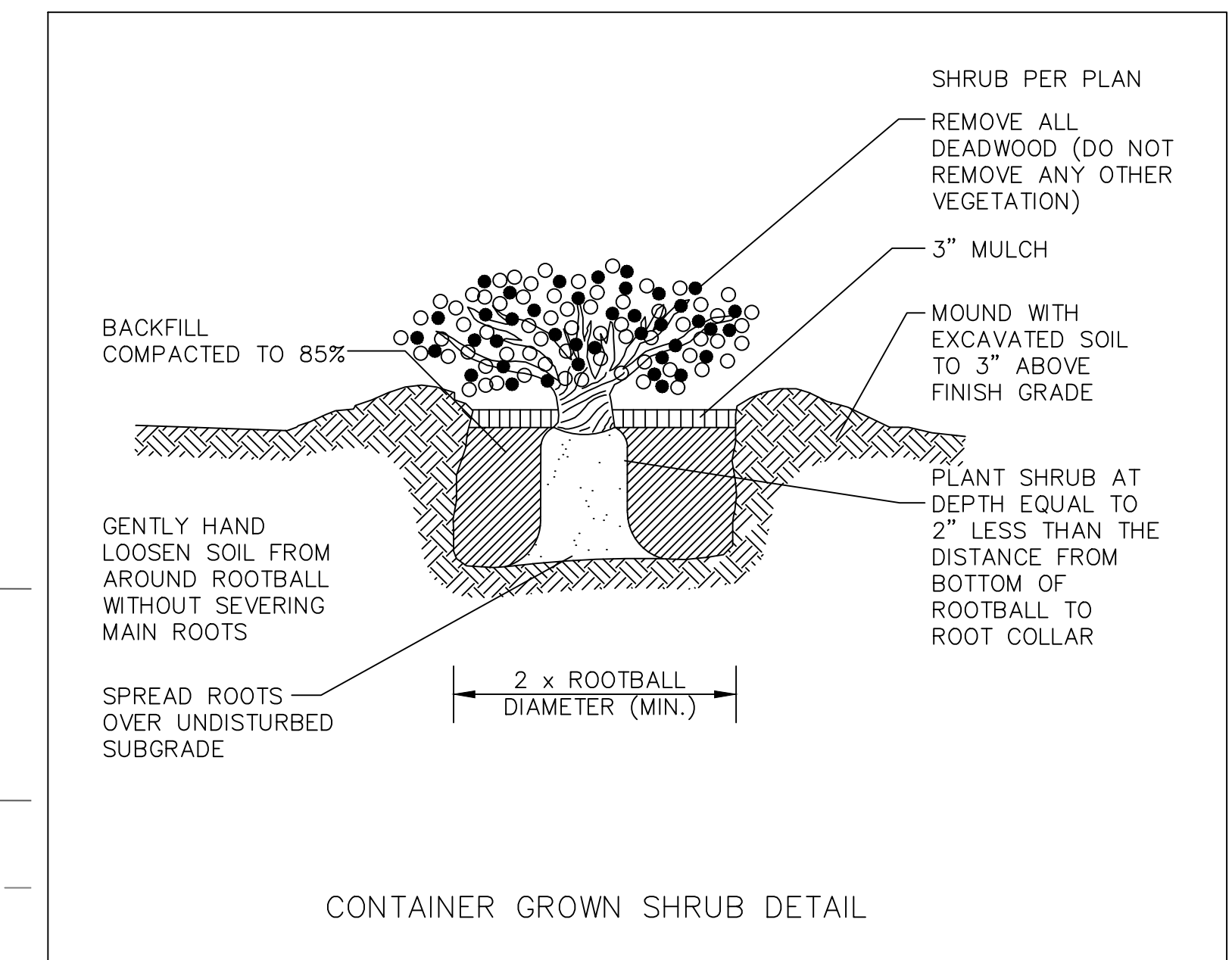
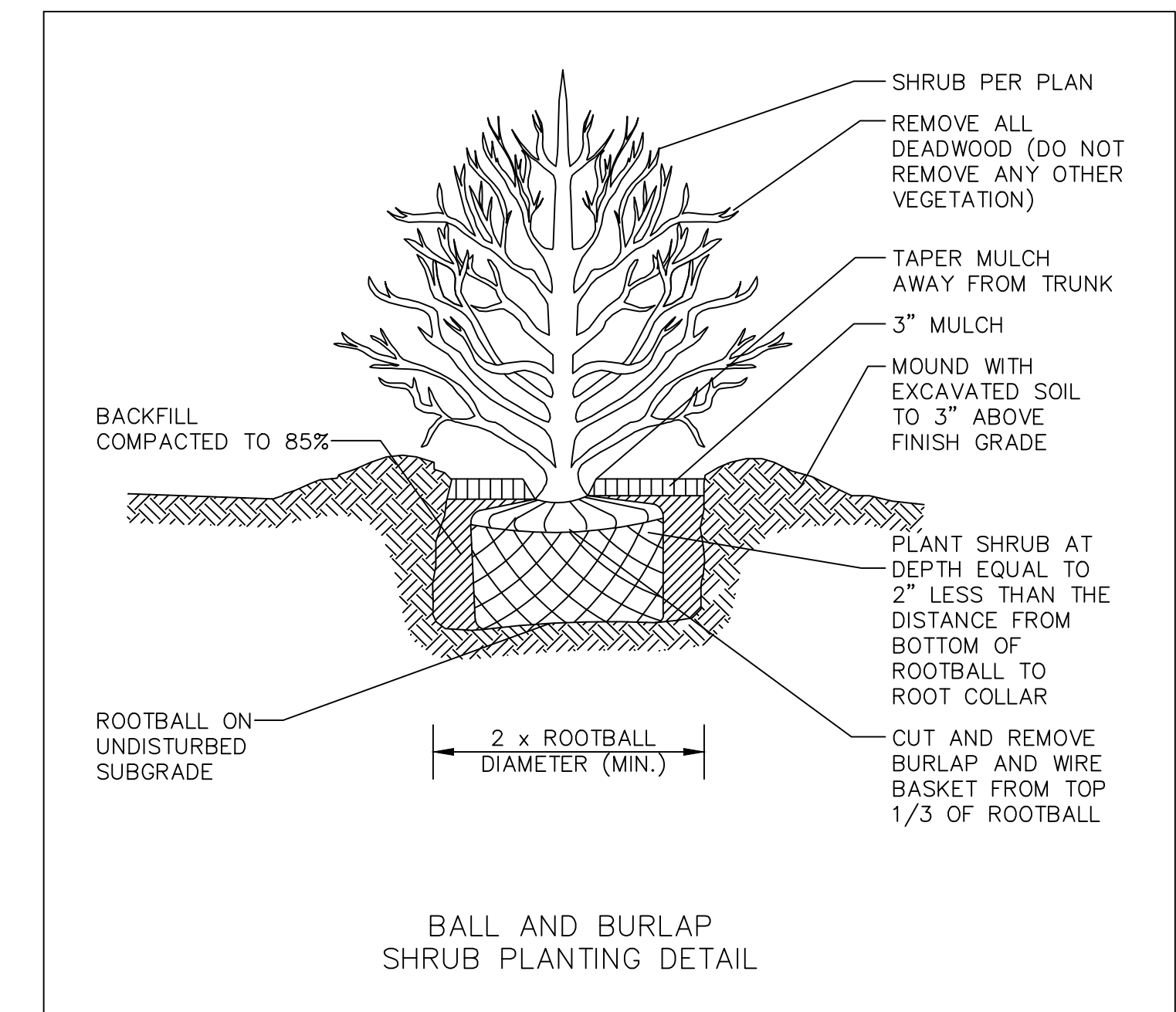
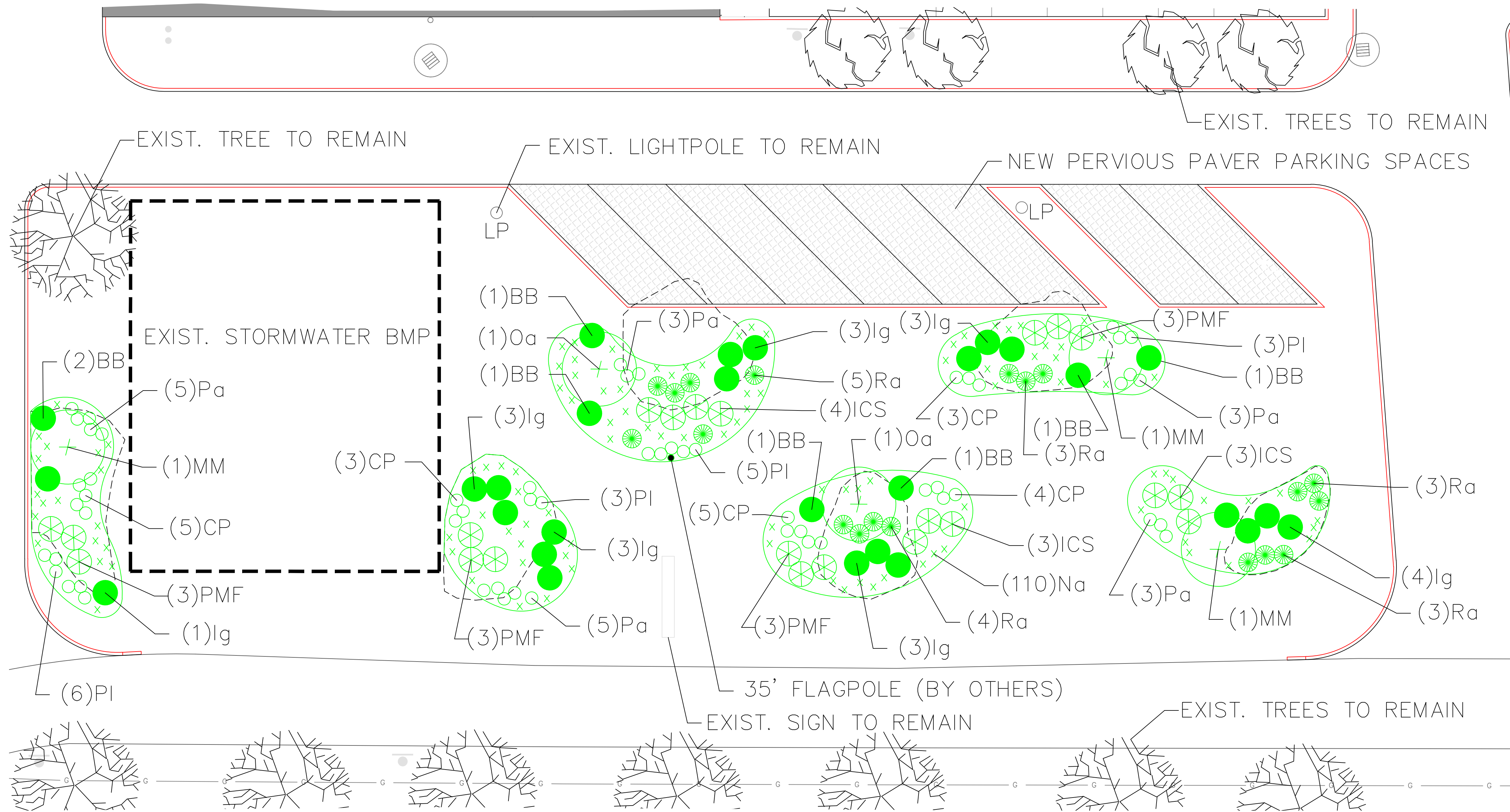
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REVISIONS			
No.	DATE	DRWN	CHKD
1.	6/29/21	KAB	TJP

MODIFICATION TO AN APPROVED PLAN  
for  
**WESTERLY COMMUNITY CREDIT UNION PARKING EXPANSION**  
in  
SOUTH KINGSTOWN, RHODE ISLAND  
**DETAILS**

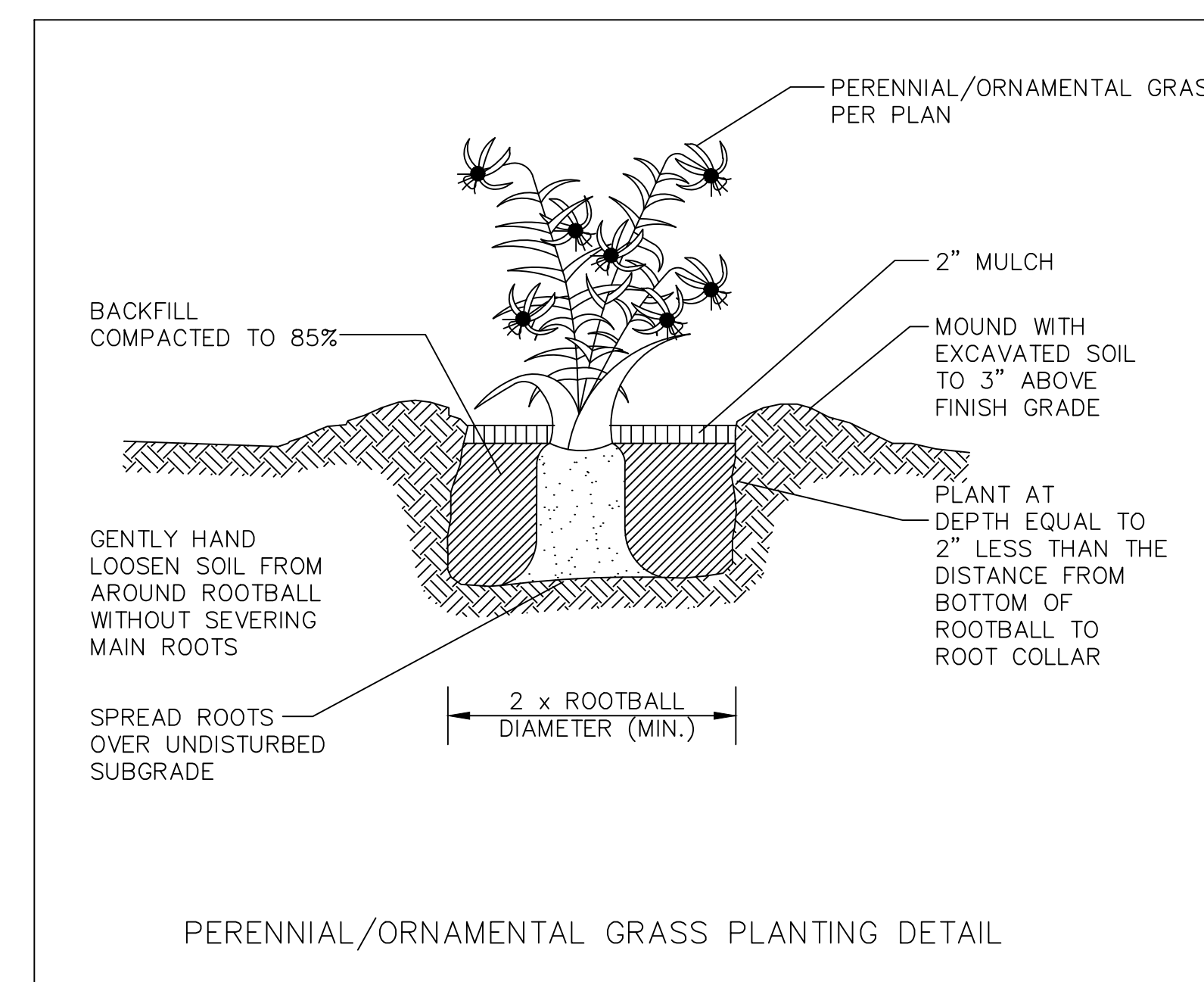
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DATE: 5/24/21 SHEET NO: 4 OF 4  
PROJECT NO.: LD-13-1 PH II



MASTER PLANT SCHEDULE						
SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
BB	8	Buxus microphylla Baby Gem	Baby Gem boxwood	#5	CAN	---
CP	20	Coreopsis Polaris	Polaris tickseed	#1	CAN	2' o.c.
Ig	20	Ilex glabra Shamrock	Shamrock inkberry	#10	CAN	4' o.c.
ICS	10	Ilex meserveae Castle Spire	Castle Spire holly	#3	CAN	4' o.c.
MM	3	Magnolia virginiana	Sweetbay magnolia	6-7' clump	B&B	SPECIMEN
Na	110	Narcissus mixed	Mixed daffodils	Bulb	---	---
Oa	2	Oxydendron arboreum	Sourwood	6-7'	B&B	SPECIMEN
PI	17	Paeonia Itoh Cora Louise	Cora Louise peony	#2	CAN	2' o.c.
Pa	19	Pennisetum alopecuroides Lumen Gold	Lumen Gold fountain grass	#1	CAN	2' o.c.
PMF	12	Pieris japonica Mountain Fire	Mountain Fire andromeda	#7	CAN	4' o.c.
Ra	18	Rhus aromatica Gro-Low	Gro-Low sumac	#3	CAN	3' o.c.

LANDSCAPE NOTES:

- 1) ALL PLANT MATERIAL TO CONFORM TO ANSI STANDARDS.
- 2) ALL PLANT MATERIAL TO RECEIVE THREE INCHES OF SHREDDED PINE BARK MULCH,
- 3) ALL PLANT MATERIAL TO BE GUARANTEED TO SURVIVE AT LEAST ONE GROWING SEASON, OR THEY SHALL BE REPLACED AT THE LANDSCAPE CONTRACTOR'S EXPENSE.
- 4) ALL PLANT MATERIAL SUBJECT TO VERIFICATION AS TO LOCATION AND SPECIES.
- 5) THERE WILL BE NO PLANT MATERIAL SUBSTITUTIONS WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
- 6) EXISTING PLANT BEDS TO BE REMOVED AND BROUGHT TO MATCH ADJACENT GRADES.
- 7) DISTURBED SOILS WITHIN THE PROJECT LIMITS ARE TO BE LOAMED AND SODDED.
- 8) EXISTING EVERGREEN SHRUBS DAMAGED BY DEER BROWSE SHALL BE REMOVED & REPLACED WITH THUJA PLICATA GREEN GIANT, 4-5', B&B, @ 4' ON-CENTER. QUANTITY TBD.



REGISTERED PROFESSIONAL ENGINEER  
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No. 10000  
Principeco, Inc.

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REVISIONS			
No.	DATE	DRWN	CHKD
1.	6/2/21	KAB	TJP
2.	6/29/21	KAB	TJP

MODIFICATION TO AN APPROVED PLAN  
for  
**WESTERLY COMMUNITY CREDIT UNION PARKING EXPANSION**  
in  
SOUTH KINGSTOWN, RHODE ISLAND

**LANDSCAPE PLAN**

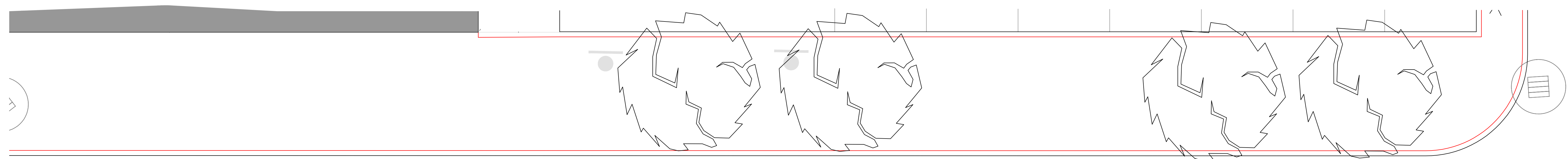
SCALE: 1"=10'

DRAWN BY: KAB    DESIGN BY: KAB    CHECKED BY: TJP

DATE: 5/27/21

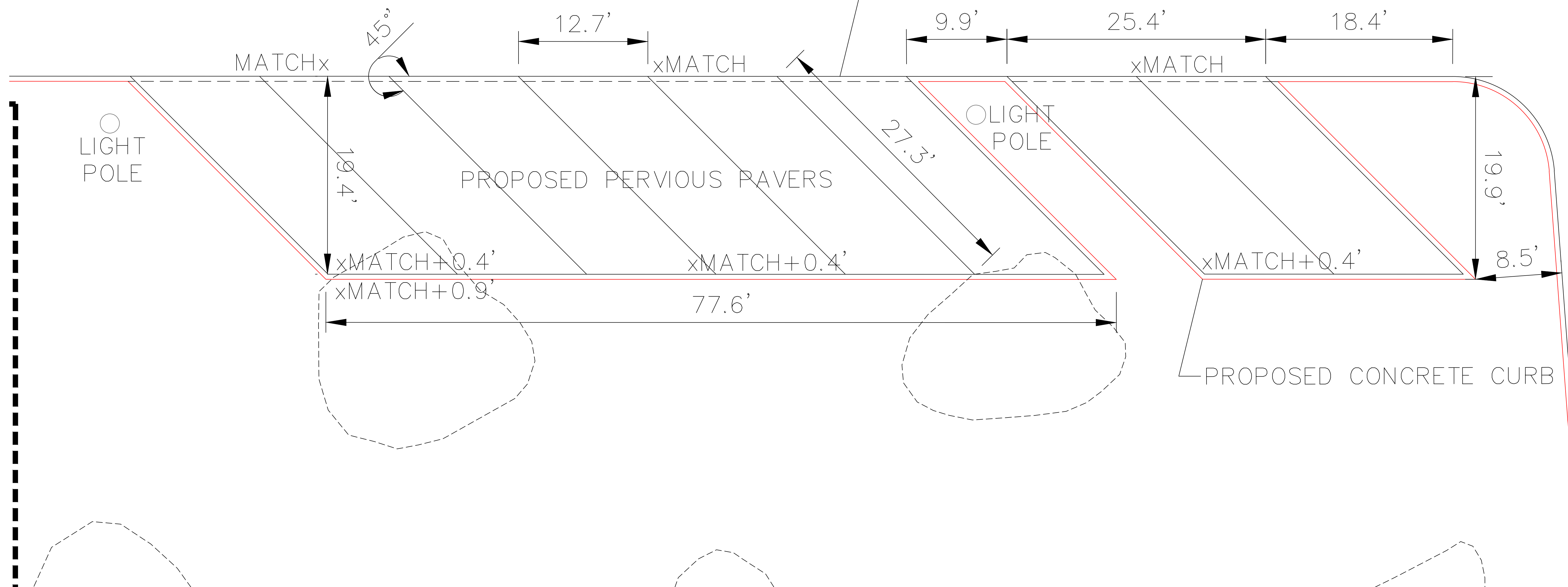
SHEET NO.: 3 OF 4

PROJECT NO.: LD-13-1 PH II



EXISTING ASPHALT PAVEMENT

REMOVE & DISPOSE EXISTING CONCRETE CURB  
(SALVAGE CURBING IF CONDITION WARRANTS)



LIGHT POLE

PROPOSED PERVIOUS PAVERS

LIGHT POLE

PROPOSED CONCRETE CURB

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MODIFICATION TO AN APPROVED PLAN  
for  
WESTERLY COMMUNITY  
CREDIT UNION  
PARKING EXPANSION  
in  
SOUTH KINGSTOWN, RHODE ISLAND  
**PARKING LAYOUT**

SCALE: 1"=10'  
DRAWN BY: KAB DESIGN BY: KAB CHECKED BY: TJP  
DATE: 5/24/21 SHEET NO.: 2 OF 4  
PROJECT NO.: LD-13-1 PH II



Westerly Comm CU Parking CHARLESTOWN WINE & SPIRIT EXAMPLE