

**PURCHASING
AND MATERIALS
MANAGEMENT**



**City of Myrtle Beach
SOUTH CAROLINA**

**(843) 918-2170
FAX: (843) 918-2182
www.cityofmyrtlebeach.com**

Addendum 02

June 21, 2024

IFB 24-B0042

Market Common Tree & Sidewalk Replacement – Phase 1

The purpose of this Addendum 02 to IFB 24-B0042 for Market Common Tree & Sidewalk Replacement – Phase 1, dated June 21, 2024, is to provide clarifications, additional specifications, corrections, additional drawings, and answers to the following questions:

1. Could you extend the project from 90 days to 120 days?

The project schedule shall remain 90 days. However, the City will work with the Contractor on completion date based on delivery dates of trees and lead times on other materials.

2. On page L1.03 there are two trees on Shine Ave not getting root barrier. Should these trees get root barrier or no?

The two trees located on Shine Avenue shown to not be receiving root barriers are located in a larger tree lawn area where root barrier is not required.

3. If root barrier is needed for the two trees on Shine Ave will you be adding the extra linear feet to the bid tab?

As stated in the response to Question 2, no root barrier is required for the two trees located on Shine Avenue.

4. Why are not all the trees getting root barrier along the curb, sidewalk, walkways, pavement edges, and/or vehicular pavement edges like the specs on the plans call for?

Landscape note #16 on Sheet C1.05 – Landscape Notes and Details has been revised: “Provide root barriers anywhere shade trees and/or understory trees are planted within ten (10) feet of (measured perpendicular to) a sidewalk, walkway, pedestrian pavement edge, curb, and/or vehicular pavement edge. Provide eighteen (18) inch deep root barriers along sidewalks, walkways, curbs, vehicular edges, and pedestrian pavement edges. Minimum run of root barrier along edge of walk, etc., shall be twenty-four (24) lineal feet for overstory trees. Center root barrier run on the tree. For trees planted in parking islands with an area of up to and including 1,000 square feet, entire perimeter of island shall be protected with root barrier, regardless of the location of the tree.”

5. The bid tab does not show any 24" root barrier however the specs on the plans says it should be installed along curbs, and/or vehicular pavement edges. Are you going to add this to the bid tab?

An updated bid tab has been attached to and hereby made a part of this Addendum.

6. On the bid tab it has a column for Contractor's Estimate. If the Contractor's estimated amount is different from the engineers' estimated amount, what estimated column are we supposed to use for finding our total cost?

The Contractor shall complete the bid tab per quantities shown in the Engineer's Estimate column. The Contractor's Estimate column in the updated bid tab has been deleted. Bidders are advised to replace Section 004113 – Bid Form – Stipulated Sum (Single-Prime Contract) in its entirety with the updated section that has been attached to and hereby made a part of this Addendum.

7. On page L1.01 Shine Ave & Kruzell St, it says Sidewalk Replacement, but it has an arrow pointing to the curb ramp that is located there now. Can you verify if this should be a curb ramp removal & replacement or a sidewalk removal & replacement?

Sheet L1.01 – Tree Removal and Sidewalk Replacement Plan has been revised: "Sidewalk Removal and Replacement: 10 LFT (2 Panels) Callout located at Kruzell Street and Shine Avenue intersection to read: 'Curb Ramp Removal and Replacement: (Per City Standards).'" Bidders are advised to refer to the updated section that has been attached to and hereby made a part of this Addendum.

The following changes have been made as part of this Addendum:

- Sheet L1.03 to L1.05 – Landscape Plan, Plant Schedule: Revise tree quantities within the Plant Schedule as shown on the plan sheets that have been attached to and hereby made a part of this Addendum.
- Sheet C1.04 – Landscape Plan: Revise proposed tree symbol located at the southwest corner of Satterwhite Way and Shine Avenue shown on the plan sheet that has been attached to and hereby made a part of this Addendum.

Bid submissions must be received by the Procurement Office prior to 2:00P.M. (local time) on Thursday, June 27, 2024.

Please submit your bid in a sealed envelope to the address below:

City of Myrtle Beach
3231 Mr. Joe White Avenue
Myrtle Beach, SC 29577
Attn: Purchasing Division/Brandon Hancock

DOCUMENT 004113 - BID FORM – UNIT PRICE CONTRACT

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: **Market Common Tree/Sidewalk Replacement Project – Phase 1**
- C. Project Location: This project is located in Market Common south of Farrow Parkway in the City of Myrtle Beach. Work will take place in various locations on the following neighborhood roads.
 - Murray Avenue
 - Johnson Avenue
 - Shine Avenue
 - Kruzel Street
 - Pancho Street
 - Pampas Drive
- D. Owner: CITY OF MYRTLE BEACH, SOUTH CAROLINA.
- E. Owner Project Number: Bid # 24-B0042

1.2 CERTIFICATIONS AND BASE BID

- A. The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by the City of Myrtle Beach, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the sum of:

1. _____ Dollars
(\$_____).

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Unit Price Bid amount above:

1. _____ Dollars
(\$_____).

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 THE FOLLOWING SUBCONTRACTORS ARE LISTED:

The following companies shall execute subcontracts for the portions of the Work indicated:

Name, Address, Phone, Email Address, and \$\$ Amount
Name, Address, Phone, Email Address, and \$\$ Amount
Name, Address, Phone, Email Address, and \$\$ Amount
Name, Address, Phone, Email Address, and \$\$ Amount
Name, Address, Phone, Email Address, and \$\$ Amount
Name, Address, Phone, Email Address, and \$\$ Amount

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

1.5 UNIT/INCREMENTAL PRICING: The Owner reserves the right to negotiate any of the unit prices listed with the lowest responsive and responsible Bidder. These unit or incremental prices shall be the installed price including all costs to the City such as, by way of illustration and not limitation, materials, labor, equipment, fees, taxes, insurance, bonding, overhead, profit or other such items.) This unit prices will also be used to negotiate any change order/directive as necessary due to unforeseen circumstances.

The unit prices for all asphalt products will be based on index pricing. The unit price will be adjusted every six months for such products based on the DOT index. If the index price changes at the six-month adjustment period, the unit price for that product will also increase or decrease accordingly. Since the Asphalt products will be based on the index, all work performed to install these products will be included in a separate line item as shown on the unit prices form. This separate line item should include, but are not limited to labor, equipment, fees, taxes, insurance, bonding, overhead, profit or other such items. "Copyright 2012 by Architectural Computer Services, Inc. (ARCOM) PVC price adjustments will be made every 6 months as well and documentation will be required.

MARKET COMMON TREE/SIDEWALK REPLACEMENT PROJECT – PHASE 1
ENGINEER PROJECT NUMBER 23123.0L

Item	Description	Engineers Estimate	Unit Measure	Per Unit (\$)	Total Cost (\$)
1.	Mobilization	1	LS		
2.	Existing Steet Tree Removal	55	EA		
3.	Existing Concrete Sidewalk Removal	4185	SF		
4.	Existing Concrete Curb Ramp Removal	175	SF		
5.	Existing Curb and Gutter Removal	12	LF		
6.	Earthwork	75	CY		
7.	Standard Concrete Curb & Gutter	14	LF		
8.	6" Concrete Sidewalk (with Fiber)	4185	SF		
9.	Concrete Curb Ramp	175	SF		
10.	Topsoil	42	CY		
11.	Overstory Tree, 2.5" Cal.	55	EA		
12.	Turfgrass Sod	100	SY		
13.	18" Root Barrier	1,985	LF		
14.	Irrigation Repairs	1	ALLOWANCE	\$10,000	\$10,000
Subtotal				\$	

- A. **TIME OF COMPLETION:** If notified of the acceptance of the Bid or any Alternate Bids within thirty (30) days after the date fixed for opening of the Bids, the undersigned agrees to execute and deliver the specified contract and contractor's bonds within ten (10) days. The undersigned agrees, if awarded the contract within thirty (30) days from the date fixed for opening of bids, will commence the work required by the CONTRACT DOCUMENTS within TEN (10) calendar days after the date of the NOTICE TO PROCEED and will complete faithfully and properly the work no later than ninety (90) days from the date of commencement (NTP, Notice to Proceed), or unless the period of completion is extended otherwise by the CONTRACT DUCUMENTS; all work consistent with the best interest of the Owner, the safety of the public and in accordance with first-class workmanship.
- B. **LIQUIDATED DAMAGES:** Should the Contractor fail to substantially complete the work under this contract within the stipulated time as he has set forth in "Time of Completion" paragraph above, plus any additional days that may result from extension of time granted by the Architect/Engineer, he agrees that the Owner may retain the sum of \$500.00 per day for each succeeding calendar day that the Owner is deprived of full use of any or all phases of the project. This amount is agreed upon as a reasonable and proper measure of Liquidated Damages which the Owner sustains per day by failure of the contractor to complete the work within the time stipulated; it being recognized by the Owner, the Contractor, and the Architect that the injury to the Owner which could result from failure by the contractor to complete on schedule is uncertain and insusceptible to certain computation, and this sum is not to be construed in any sense as a penalty.

1.6 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

Addendum No. 1, dated _____.

Addendum No. 2, dated _____.

Addendum No. 3, dated _____.

Addendum No. 4, dated _____.

1.7 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto.

Bid Form Supplement - Allowances.

Bid Form Supplement - Bid Bond Form (AIA Document A310).

Bid Form Supplement - Bid Bond OR a certified check for the amount required.

Bid Form Supplement - Bidder's Representation.

Bid Form Supplement - Non-collusion Affidavit of Prime Bidder.

Bid Form Supplement - Statement of Experience of the Bidder.

Bid Form Supplement - Project Superintendence.

1.8 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Myrtle Beach, South Carolina, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.9 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 2024.
- B. Submitted By _____ (Name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witness By: _____ (Handwritten signature).

MARKET COMMON TREE/SIDEWALK REPLACEMENT PROJECT – PHASE 1
ENGINEER PROJECT NUMBER 23123.0L

- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____ (Affix Corporate Seal Here).

END OF DOCUMENT 004113



BOLTON & MENK

1298 PROFESSIONAL DRIVE
MYRTLE BEACH, SC 29577
Phone: (843) 692-3200
Email: MyrtleBeach@bolton-menk.com
www.bolton-menk.com

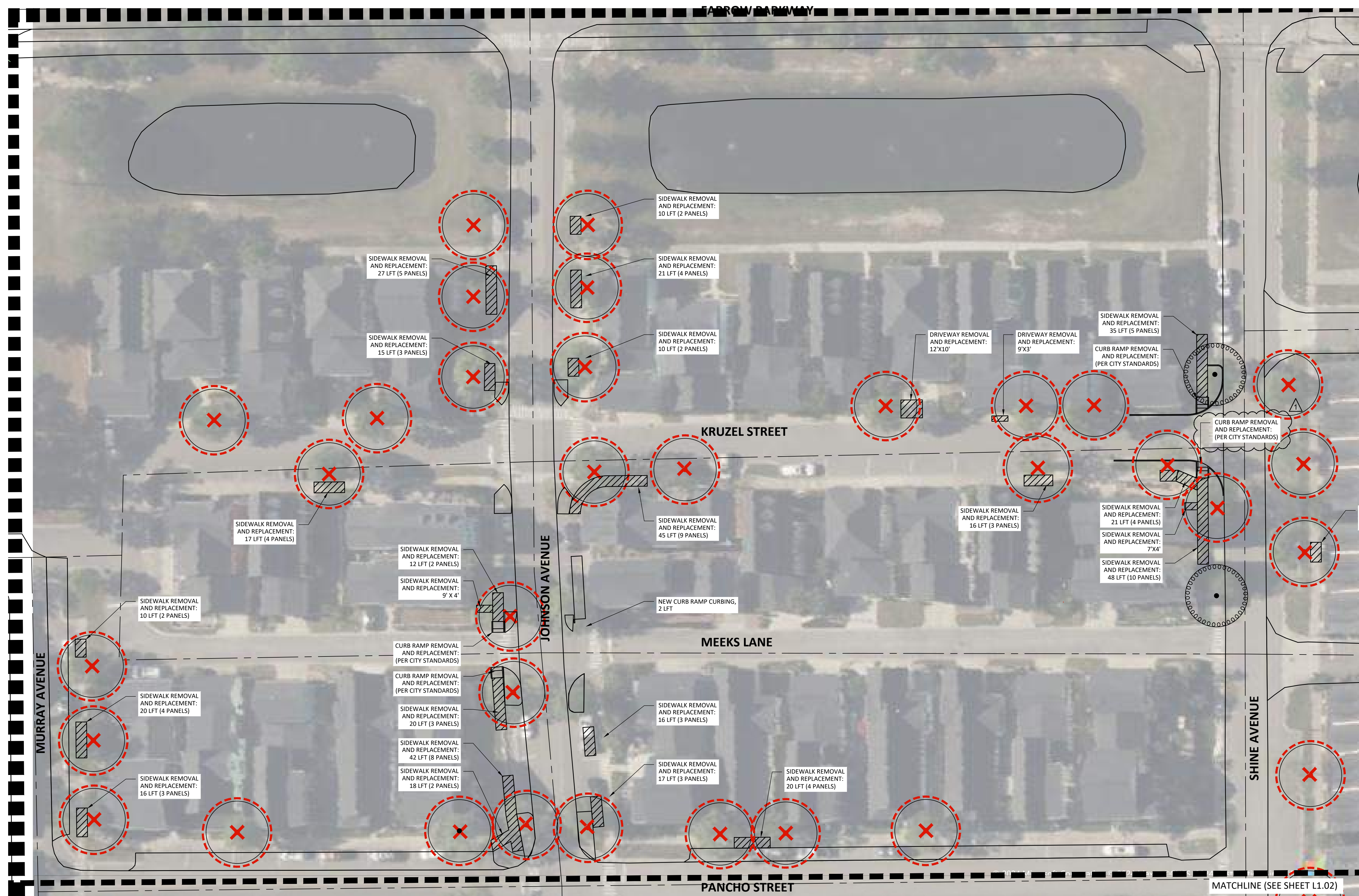
CITY OF MYRTLE
BEACH, SC

MARKET COMMONS
TREE/SIDEWALK
REPLACEMENT
PHASE 1

TREE REMOVAL
AND SIDEWALK
REPLACEMENT
PLAN

PROJECT NO:
23123.0L

REVISIONS:
1 ADDENDUM NO. 2 ZRC 06-19-24

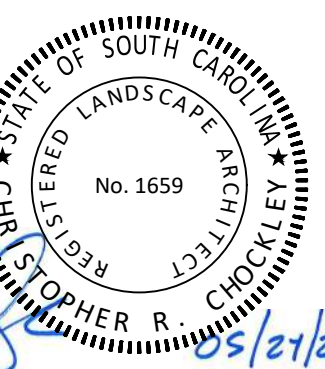
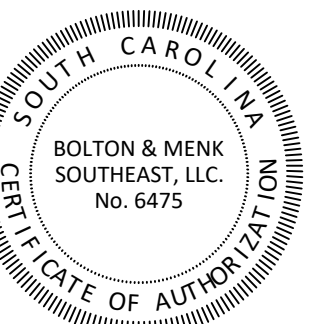
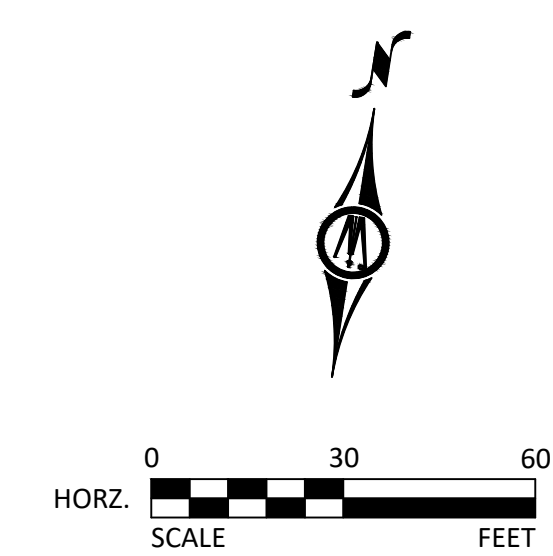


LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN, PROTECT IN PLACE
- EXISTING CONCRETE SIDEWALK TO BE REMOVED AND REPLACED

REMOVALS NOTES

1. BASE PLAN WAS PREPARED USING AVAILABLE EXISTING GIS DATA. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATION OF EXISTING UTILITIES, STORM INLETS, CURB AND GUTTER, SIDEWALKS, TREES, ETC. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY AND ENGINEER OF ANY POTENTIAL CONFLICTS BETWEEN EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS.
2. REFER TO SHEET G0.02, FOR GENERAL NOTES.
3. MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING VEGETATION AND SITE FEATURES (CURBS, WALKS, PAVEMENTS, OVERHEAD AND UNDERGROUND UTILITIES, SIGNAGE, FENCING, ROADWAYS, ETC.) WHICH ARE TO REMAIN.
4. REPAIR OR REPLACE EXISTING PROPERTY AND SITE FEATURES, INCLUDING GRASS AND VEGETATION, WHICH IS TO REMAIN THAT IS DAMAGED BY THE WORK, TO CITY'S SATISFACTION AND AT NO ADDITIONAL COST TO THE CITY.
5. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING; BE FAMILIAR WITH ACTUAL CONDITIONS IN THE FIELD. EXTRA COMPENSATION WILL NOT BE ALLOWED FOR CONDITIONS WHICH COULD HAVE BEEN DETERMINED OR ANTICIPATED BY EXAMINATION OF THE SITE. THE CONTRACT DRAWINGS AND THE INFORMATION AVAILABLE PERTAINING TO EXISTING SOILS, UTILITIES AND OTHER SITE CHARACTERISTICS.
6. THE CONTRACTOR SHALL HIRE THE SERVICES OF A UTILITY LOCATOR COMPANY TO LOCATE ALL PRIVATELY OWNED UTILITIES THAT MAY BE DISTURBED BY CONSTRUCTION OPERATIONS.
7. CONTRACTOR SHALL REMOVE ALL TREES AS IDENTIFIED ON THE PLANS. CONTRACTOR SHALL REMOVE TREES, GRIND STUMP TO MIN. DEPTH OF 12" BELOW TOP OF CURB OR ADJACENT PAVEMENT.
8. UPON REMOVAL OF CONCRETE SIDEWALKS, THE CONTRACTOR SHALL REMOVE TREE ROOTS TO A DEPTH OF 12" BELOW FINISH SURFACE OF PAVEMENT PRIOR TO PLACEMENT OF NEW CONCRETE SIDEWALKS. CONTRACTOR SHALL CUT AND REMOVE ROOTS AT PROPERTY LINE.
9. FOR ALL AREAS WHERE CONCRETE SIDEWALKS ARE TO REMAIN AND ADJACENT TREES ARE TO REMAIN IN PLACE, CONTRACTOR SHALL CUT ROOT AT EDGE OF SIDEWALK FOR PLACEMENT OF ROOT BARRIER SYSTEM.
10. CONTRACTOR SHALL IDENTIFY LOCATION OF IRRIGATION MAINLINE AND LATERALS WITHIN TREE REMOVAL AREAS. IRRIGATION MAINLINE, LATERALS AND SPRAY HEADS DAMAGED DURING TREE REMOVAL OPERATIONS SHALL BE REPAIRED AND CONTRACTOR SHALL ENSURE THAT EXISTING SYSTEM IS FULLY OPERATIONAL.
11. CONTRACTOR SHALL NEAT LINE SAWCUT EXISTING SIDEWALKS AT EXISTING CONTROL JOINTS. LIMITS OF CONCRETE REMOVAL WILL BE PROVIDED BY THE CITY.



DATE: 05-27-2024
DESIGNED BY: CRC
DRAWN BY: CRC
CHECKED BY: CRC

L1.01



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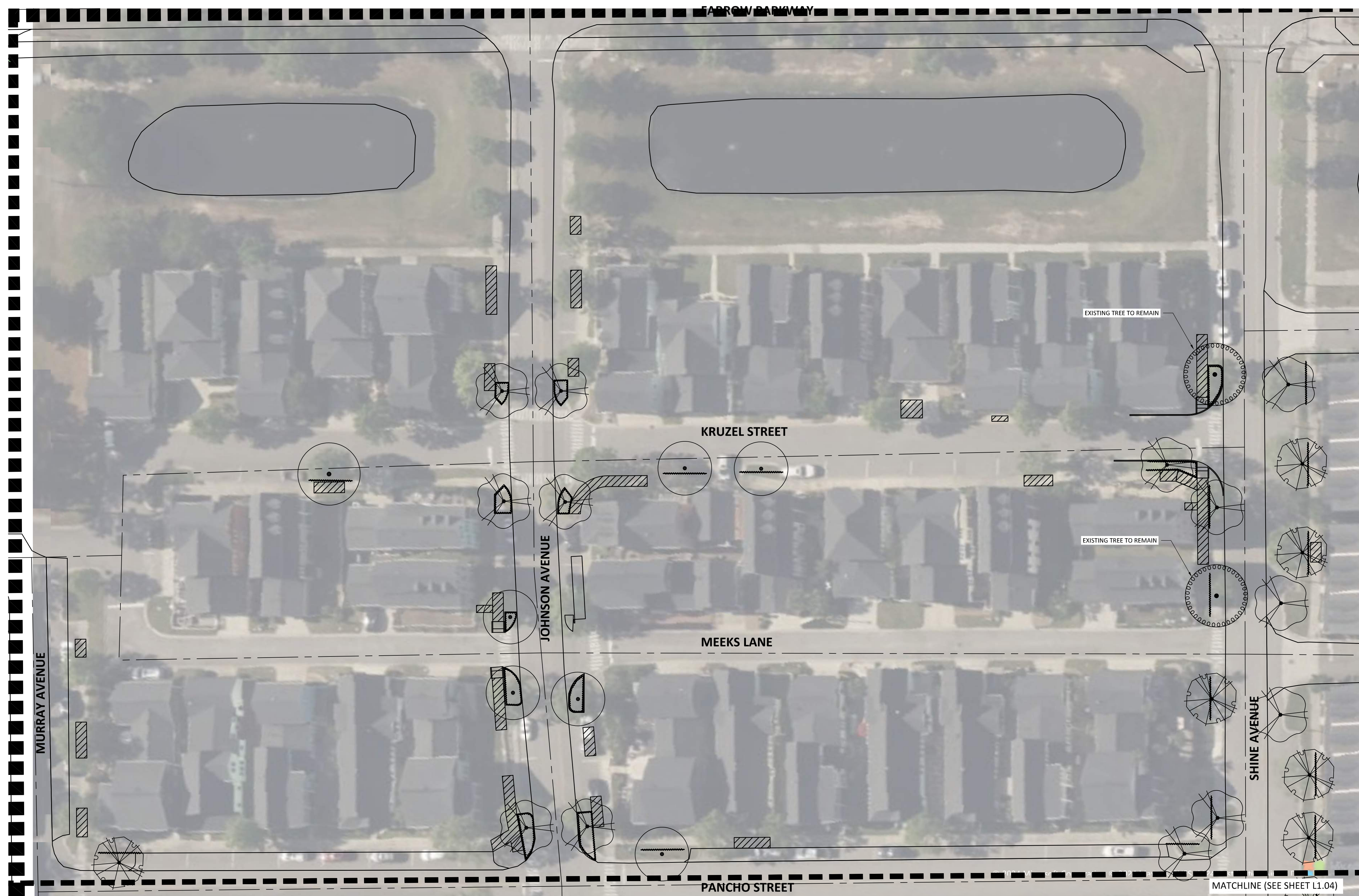
CITY OF MYRTLE
BEACH, SC

MARKET COMMONS
TREE/SIDEWALK
REPLACEMENT
PHASE 1

LANDSCAPE
PLAN

PROJECT NO:
23123.0L

REVISIONS:
1 ADDENDUM NO. 2 ZRC 06-19-24

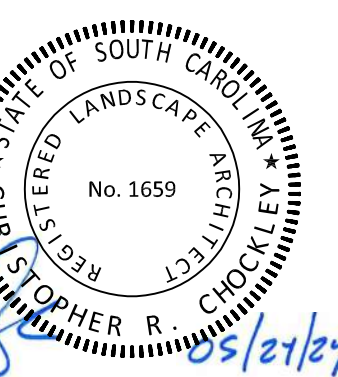
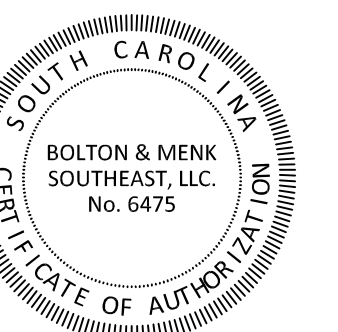
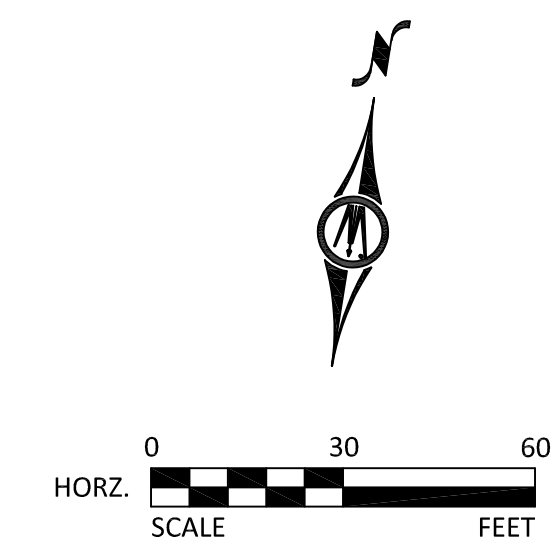


PLANT SCHEDULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPAC
TREES							
	QUPG	13	QUERCUS PHELLOS 'GREENENVY'	KINGPIN® WILLOW OAK	B&B	10'-12' HT, 2.5" CAL.	
	ULPB	13	ULMUS PARVIFOLIA 'BOSQUE'	BOSQUE ELM	B&B	10'-12' HT, 2.5" CAL.	
	ZESG	29	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE JAPANESE ZELKOVA	B&B	10'-12' HT, 2.5" CAL.	

ROOT BARRIER SYSTEM, UB 18-2 BY DEEPROOT OR APPROVED EQUAL

GENERAL NOTES

- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO TREE INSTALLATION OPERATIONS.
- CONTRACTOR SHALL NOTIFY THE CITY AND LANDSCAPE ARCHITECT IMMEDIATELY OF POTENTIAL CONFLICTS BETWEEN PROPOSED TREE LOCATIONS AND EXISTING UNDERGROUND UTILITIES. AN ALTERNATIVE LOCATION FOR TREE PLACEMENT SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.
- ANY IRRIGATION MAINLINE, LATERALS, SPRAY HEADS, ROTORS, DRIP LINES OR OTHER EQUIPMENT RELATED TO THE EXISTING IRRIGATION SYSTEM THAT IS DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR. CONTRACTOR SHALL ENSURE THAT THE EXISTING IRRIGATION SYSTEM AND REPAIRS ARE OPERATIONAL AT COMPLETION OF TREE PLANTING.
- CONTRACTOR SHALL REPAIR TURF/GRASS DAMAGED DURING TREE AND SIDEWALK REMOVAL AND INSTALLATION OPERATIONS.
- CONTRACTOR SHALL INSTALL ROOT BARRIER SYSTEM BETWEEN TREES AND EXISTING AND NEW SIDEWALKS PER PLANS AND NOTES.
- CONTRACTOR SHALL GRIND TREE STUMPS TO A MINIMUM DEPTH OF 12" AND PLACE TOPSOIL IN LOCATION OF REMOVED TREE. FINISH SURFACE OF TOP SOIL SHALL MATCH ADJACENT GRADES.
- UPON REMOVAL OF EXISTING TREES, PLACEMENT OF TOPSOIL, REPAIR OF IRRIGATION, IF REQUIRED, CONTRACTOR SHALL INSTALL SOD (CENTIPEDE GRASS) TO ALL DISTURBED AREAS.



DATE: 05-27-2024
DESIGNED BY: CRC
DRAWN BY: CRC
CHECKED BY: CRC

L1.03



MATCHLINE (SEE SHEET L1.03)



BOLTON & MENK

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CITY OF MYRTLE BEACH, SC

MARKET COMMONS
TREE/SIDEWALK
REPLACEMENT
PHASE 1

LANDSCAPE
PLAN

PROJECT NO:
23123.0L

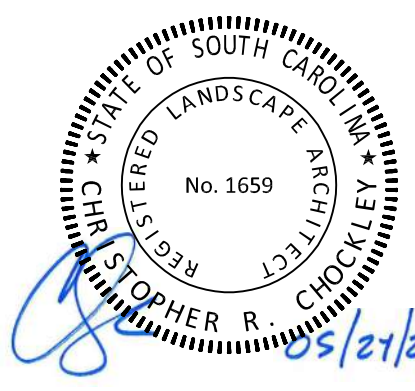
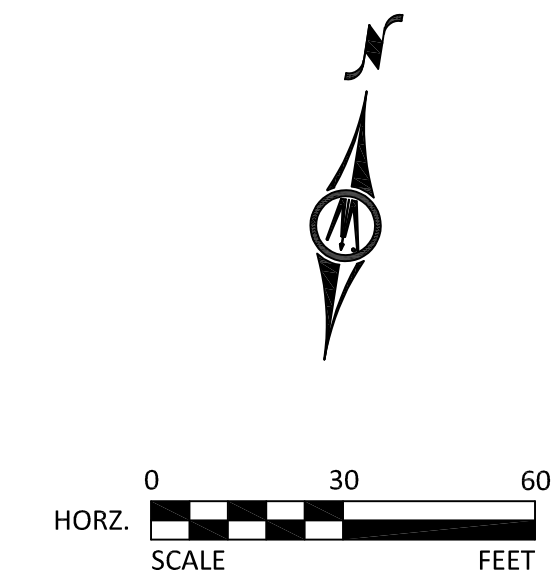
REVISIONS:
1 ADDENDUM NO. 2 ZRC 06-19-24

PLANT SCHEDULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPAC
TREES							
	QUPG	13	QUERCUS PHELLOS 'GREENENVY'	KINGPIN® WILLOW OAK	B&B	10'-12" HT. 2.5' CAL.	
	ULPB	13	ULMUS PARVIFOLIA 'BOSQUE'	BOSQUE ELM	B&B	10'-12" HT. 2.5' CAL.	
	ZESG	29	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE JAPANESE ZELKOVA	B&B	10'-12" HT. 2.5' CAL.	

----- ROOT BARRIER SYSTEM, UB 18-2 BY DEEPROOT OR APPROVED EQUAL

GENERAL NOTES

- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO TREE INSTALLATION OPERATIONS.
- CONTRACTOR SHALL NOTIFY THE CITY AND LANDSCAPE ARCHITECT IMMEDIATELY OF POTENTIAL CONFLICTS BETWEEN PROPOSED TREE LOCATIONS AND EXISTING UNDERGROUND UTILITIES. AN ALTERNATIVE LOCATION FOR TREE PLACEMENT SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.
- ANY IRRIGATION MAINLINE, LATERALS, SPRAY HEADS, ROTORS, DRIP LINES OR OTHER EQUIPMENT RELATED TO THE EXISTING IRRIGATION SYSTEM THAT IS DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR. CONTRACTOR SHALL ENSURE THAT THE EXISTING IRRIGATION SYSTEM AND REPAIRS ARE OPERATIONAL AT COMPLETION OF TREE PLANTING.
- CONTRACTOR SHALL REPAIR TURF/GRASS DAMAGED DURING TREE AND SIDEWALK REMOVAL AND INSTALLATION OPERATIONS.
- CONTRACTOR SHALL INSTALL ROOT BARRIER SYSTEM BETWEEN TREES AND EXISTING AND NEW SIDEWALKS PER PLANS AND NOTES.
- CONTRACTOR SHALL GRIND TREE STUMPS TO A MINIMUM DEPTH OF 12" AND PLACE TOPSOIL IN LOCATION OF REMOVED TREE. FINISH SURFACE OF TOP SOIL SHALL MATCH ADJACENT GRADES.
- UPON REMOVAL OF EXISTING TREES, PLACEMENT OF TOPSOIL, REPAIR OF IRRIGATION, IF REQUIRED, CONTRACTOR SHALL INSTALL SOD (CENTIPEDE GRASS) TO ALL DISTURBED AREAS.



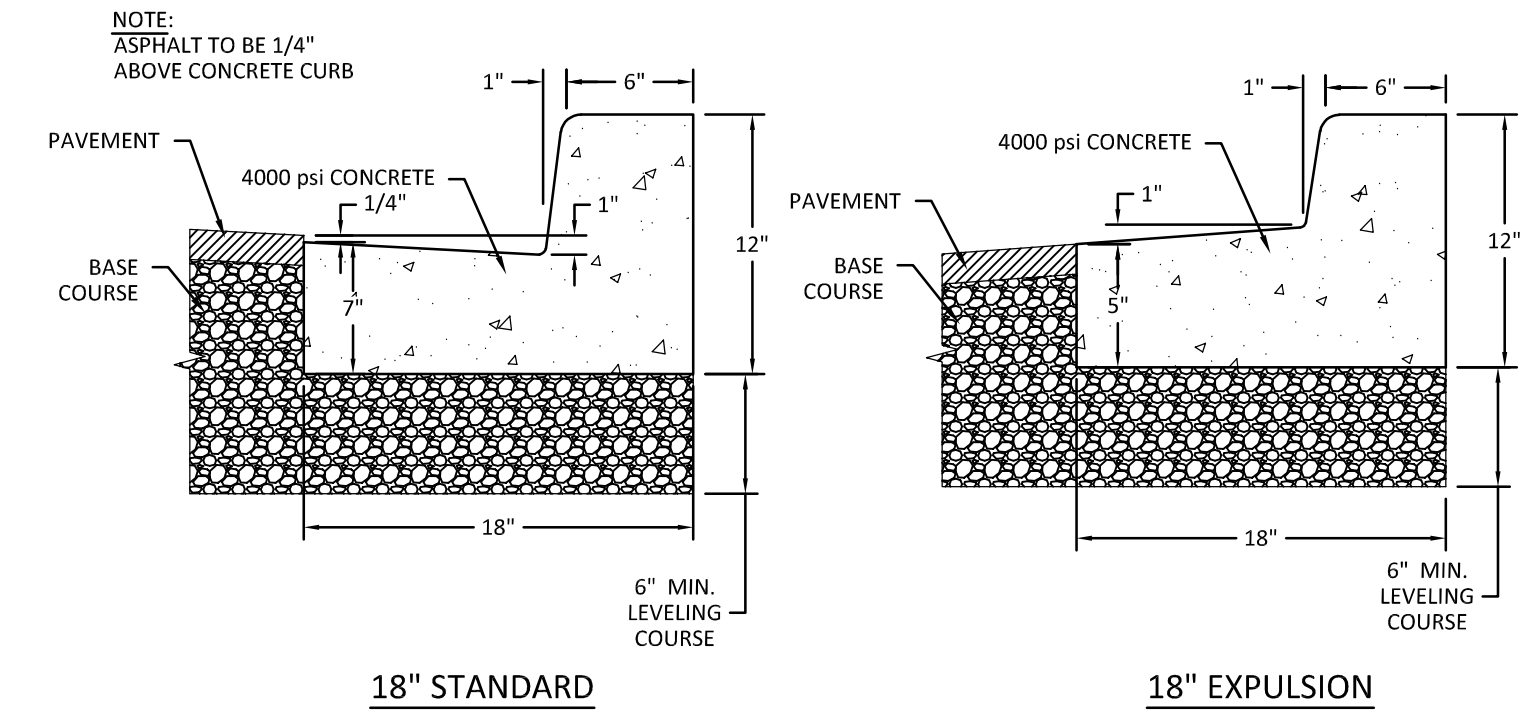
DATE: 05-27-2024
DESIGNED BY: CRC
DRAWN BY: CRC
CHECKED BY: CRC

L1.04

PLANT SCHEDULE							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPAC
TREES							
	QUFG	13	QUERCUS PHELLOS 'GREENENVY'	KINGPIN® WILLOW OAK	B&B	10'-12" HT, 2.5" CAL.	
	ULPB	13	ULMUS PARVIFOLIA 'BOSQUE'	BOSQUE ELM	B&B	10'-12" HT, 2.5" CAL.	
	ZESG	29	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE JAPANESE ZELKOVA	B&B	10'-12" HT, 2.5" CAL.	

ROOT BARRIER SYSTEM, UB 18-2 BY DEEPROOT OR APPROVED EQUAL

- ALL PLANT MATERIAL SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE LATEST EDITION OF ANSI Z60.1 "AMERICAN STANDARDS FOR NURSERY STOCK". PRIOR TO DELIVERY OF PLANT MATERIAL TO THE PROJECT SITE, PROVIDE TO THE LANDSCAPE ARCHITECT CERTIFICATION FROM THE SOURCE NURSERY(IES) THAT MATERIALS COMPLY WITH ALL APPLICABLE PORTIONS OF ANSI Z60.1.
- PROVIDE HEALTHY, VIGOROUS STOCK, GROWN IN ESTABLISHED AND REPUTABLE NURSERIES, UNDER CLIMATIC CONDITIONS SIMILAR TO THAT OF THE LOCALITY OF THE PROJECT. PLANTS SHALL EXHIBIT THE NORMAL CHARACTERISTICS OF THE SPECIFIED PLANT TYPE, INCLUDING BRANCHING STRUCTURE AND HEIGHT TO SPREAD RELATIONSHIP. PLANTS SHALL BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS, INSECT DAMAGE OR DISFIGUREMENTS. THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY REMOVE FROM THE SITE ANY PLANT MATERIALS NOT MEETING THESE REQUIREMENTS AND REPLACE WITH THE PLANTS THAT DO MEET THESE REQUIREMENTS, AT NO COST TO THE OWNER.
- WHERE PLANTS ARE SPECIFIED AS "SPECIMEN QUALITY" PLANTS, PROVIDE PLANTS EXHIBITING THE VERY HIGHEST QUALITY OF SHAPE, FULLNESS, UNIFORMITY AND GROWTH CHARACTER REPRESENTATIVE OF THE PLANT TYPE SPECIFIED. THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY REMOVE FROM THE SITE ANY PLANT MATERIALS NOT MEETING THESE REQUIREMENTS AND REPLACE WITH THE PLANTS THAT DO MEET THESE REQUIREMENTS, AT NO COST TO THE OWNER.
- PLANT MATERIAL QUANTITIES, AS LISTED IN THE PLANT MATERIALS LIST, ARE APPROXIMATE. CONTRACTOR SHALL CONFIRM ACTUAL NUMBER OF PLANTS REQUIRED FOR EACH SPECIES, BASED ON THE PLANTING PLAN. SHOULD DISCREPANCIES BETWEEN THE MATERIALS LIST AND THE PLANTING PLAN OCCUR, PLANTING PLAN SHALL TAKE PRECEDENCE.
- REQUIRED PLANT MATERIAL TYPES ARE LISTED ON THE PLANT MATERIALS LIST. CONTRACTOR SHALL PROVIDE ONLY PLANTS OF THE GENUS AND SPECIES LISTED, AND, WHERE ALSO LISTED, THE VARIETY/CULTIVAR/PATENTED NAME. SUBSTITUTIONS SHALL ONLY BE ALLOWED, AT THE DISCRETION OF THE [LANDSCAPE ARCHITECT] [ARCHITECT] [ENGINEER] [OWNER], ONLY ON THE GROUNDS OF CLEARLY DOCUMENTED UNAVAILABILITY. REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED BY THE CONTRACTOR IN WRITING AT LEAST [ONE WEEK] [TWO WEEKS] PRIOR TO THE CONTRACTOR SUBMITTING HIS/HER BID. UNAPPROVED PLANT MATERIAL SUBSTITUTIONS SHALL NOT BE ALLOWED; THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY REMOVE FROM THE SITE ANY UNAPPROVED PLANT MATERIAL SUBSTITUTIONS AND REPLACE WITH THE SPECIFIED PLANT TYPE(S), AT NO COST TO THE OWNER.
- PRIOR TO DELIVERY OF PLANT MATERIAL TO THE PROJECT SITE, PROVIDE TO THE LANDSCAPE ARCHITECT CERTIFICATION FROM THE SOURCE NURSERY(IES) THAT MATERIALS COMPLY FULLY WITH PLANT MATERIAL TYPES SPECIFIED. THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY REMOVE FROM THE SITE ANY PLANT MATERIAL NOT MEETING THIS CRITERIA, AND REPLACE WITH PLANTS MEETING THE CRITERIA, AT NO COST TO THE OWNER.
- PLANT MATERIAL SIZES, AS LISTED, SHALL BE CONSIDERED MINIMUM SIZES. WHERE TWO SIZE REQUIREMENTS (e.g. BOTH HEIGHT AND CALIPER) ARE LISTED FOR A GIVEN PLANT, THAT REQUIREMENT RESULTING IN THE LARGER PLANT SHALL APPLY. TREE CALIPER SHALL BE DETERMINED BY TAKING THE AVERAGE OF TWO CALIPER READINGS, TAKEN AT 90 DEGREES TO EACH OTHER; READINGS SHALL BE TAKEN AT THE ELEVATION SPECIFIED BY ANSI Z60.1.
- PLANTS LISTED AS CONTAINER GROWN (CONT.), MAY ONLY BE PROVIDED IN CONTAINERS, AND MUST HAVE BEEN CULTIVATED IN APPROPRIATELY SIZED CONTAINERS FOR A MINIMUM OF ONE YEAR PRIOR TO INSTALLATION. PLANTS LISTED AS BALL & BURLAP (B & B) MAY, AT THE CONTRACTOR'S DISCRETION, BE SUPPLIED IN CONTAINERS, SO LONG AS SPECIFIED SIZES ARE PROVIDED AND SO LONG AS PLANTS HAVE BEEN CULTIVATED IN APPROPRIATELY SIZED CONTAINERS FOR A MINIMUM OF ONE YEAR. CONTAINER/BALL SIZE SHALL IN ALL CASES BE APPROPRIATE TO THE PLANT SIZE SPECIFIED, AS DEFINED BY ANSI Z60.1.
- BARE ROOT PLANTS SHALL ONLY BE ALLOWED AS SPECIFICALLY NOTED ON PLANS. BARE ROOT PLANTS SHALL CONFORM TO ANSI Z60.1.
- UNLESS OTHERWISE DIMENSIONED ON THE PLANS, PLANT LOCATIONS SHALL BE DETERMINED BY SCALING DRAWINGS. DESIGN INTENT, AS ILLUSTRATED, SHALL AT ALL TIMES BE MAINTAINED. DIRECT ANY QUESTIONS CONCERNING DESIGN INTENT TO THE LANDSCAPE ARCHITECT, PRIOR TO COMMENCING ANY WORK.
- MINIMUM PLANT CENTER-POINT LOCATION DIMENSIONS FROM KEY FEATURES SHALL BE AS FOLLOWS:
TREES & UNDERSTORY TREES,
FROM EDGE OF SIDEWALKS/PATHWAYS 30";
SMALL SHRUBS,
FROM EDGE OF SIDEWALKS/PATHWAYS 24";
TREES, UNDERSTORY TREES, AND LARGE AND MEDIUM SHRUBS,
FROM BACK-OF-CURB/EDGE OF VEHICULAR DRIVE 36" [a];
SMALL SHRUBS,
FROM BACK-OF-CURB/EDGE OF VEHICULAR DRIVE 36";
WHERE THESE MINIMUM DIMENSIONS CANNOT BE MET, NOTIFY LANDSCAPE ARCHITECT FOR DIRECTION PRIOR TO PROCEEDING.
[a] TREES TO BE PLANTED BETWEEN CURB AND SIDEWALK IN RIGHT-OF-WAY MAY BE CLOSER THAN THIS DIMENSION, SO LONG AS TREE IS PLANTED HALF-WAY BETWEEN CURB AND WALK AND IF A ROOT BARRIER SYSTEM IS INSTALLED (SEE NOTE BELOW).
- CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING TREES NOT NOTED TO BE REMOVED. AVOID CUTTING ROOTS, OPERATING EQUIPMENT OR STORING MATERIALS, FILLING OR CUTTING OF SOIL WITHIN THE DRIP LINE, AND/OR DAMAGING TRUNKS OR BRANCHES. ADJUST NEW PLANTINGS AS NECESSARY TO PROTECT EXISTING TREES. WHERE SIGNIFICANT ADJUSTMENTS NEED TO BE MADE, CONTACT LANDSCAPE ARCHITECT FOR DIRECTION, PRIOR TO CONTINUING WORK.
- SHIFT THE LOCATIONS OF PLANTS SLIGHTLY AND UNIFORMLY AS REQUIRED TO AVOID UTILITIES, LIGHT FIXTURES AND OTHER STRUCTURES. IF SUBSTANTIAL ADJUSTMENTS IN LOCATION ARE REQUIRED, NOTIFY LANDSCAPE ARCHITECT FOR DIRECTION, PRIOR TO CONTINUING WORK.
- STAKE OUT THE LOCATIONS OF ALL TREES AND LARGE SHRUBS, AND THE OUTLINE OF ALL OTHER SHRUB, GROUND COVER, ORNAMENTAL GRASS AND FLOWER BEDS, PRIOR TO COMMENCING INSTALLATION. OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT OF THE STAKE OUT, BEFORE BEGINNING INSTALLATION. PLANTING MAY BE STAKED AND REVIEWED BY SECTION, IF PRE-ARRANGED WITH AND AGREEABLE TO THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIALS SHALL BE INSTALLED PER DETAILS INDICATED ON DRAWINGS.
- PROVIDE ROOT BARRIERS ANYWHERE SHADE TREES AND/OR UNDERSTORY TREES ARE PLANTED WITHIN TEN (10) FEET OF (MEASURED PERPENDICULAR TO) A SIDEWALK, WALKWAY, PEDESTRIAN PAVEMENT EDGE, CURB, AND/OR VEHICULAR PAVEMENT EDGE. PROVIDE EIGHTEEN (18) INCH DEEP ROOT BARRIERS ALONG SIDEWALKS, WALKWAYS, CURBS, VEHICULAR EDGES, AND PEDESTRIAN PAVEMENT EDGES. MINIMUM RUN OF ROOT BARRIER ALONG EDGE OF WALK, ETC., SHALL BE THIRTY-SIX (36) LINEAL FEET FOR OVERSTORY TREES. CENTER ROOT BARRIER RUN ON THE TREE. FOR TREES PLANTED IN PARKING ISLANDS WITH AN AREA OF UP TO AND INCLUDING 1,000 SQUARE FEET, ENTIRE PERIMETER OF ISLAND SHALL BE PROTECTED WITH ROOT BARRIER, REGARDLESS OF THE LOCATION OF THE TREE.
- PRIOR TO MULCHING PLANT BEDS, APPLY COMMERCIAL-GRADE PRE-EMERGENT HERBICIDE, PER MANUFACTURER'S RECOMMENDATIONS, THROUGHOUT EACH PLANT BED.
- WITHIN THE DISTURBED LIMITS OF THE PROJECT WITHIN TREE LAWN, CONTRACTOR SHALL SOD WITH HYBRID BERMOUDA GRASS ANY AND ALL UNPAVED AREAS, NOT NOTED TO BE SEEDED, MULCHED, OR OTHERWISE PLANTED. ALL LAWN AREAS SHALL BE SODDED, UNLESS SPECIFICALLY NOTED OTHERWISE.
- EXISTING TURF REMAINING IN CERTAIN AREAS OF THE SITE, AFTER GRADING AND ALL STREET, UTILITY AND HARDSCAPE IMPROVEMENTS HAVE BEEN COMPLETED (BUT ONLY WHERE SPECIFICALLY NOTED ON PLANS) SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE. NO NEW SOD OR SEEDING SHALL BE REQUIRED IN THESE NOTED AREAS.
- CONTRACTOR SHALL BE AWARE THAT THERE IS AN EXISTING WORKING IRRIGATION SYSTEMS WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL REPAIR EXISTING IRRIGATION SYSTEM DAMAGED DURING CONSTRUCTION OPERATIONS, TREE REMOVAL AND STUMP GRINDING. CONTRACTOR SHALL ENSURE THAT IRRIGATION SYSTEM IS FULLY OPERATIONAL UPON COMPLETION OF REPAIRS.
- ALL TURF AREAS DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND CONTRACTOR SHALL INSTALL SOD MATCHING EXISTING GRASS SPECIES, UNLESS OTHERWISE NOTED ON PLANS.
- CONTRACTOR SHALL MAINTAIN TREES AND ALL OTHER INSTALLED PLANT MATERIAL (EXCLUDING LAWNS), CONTINUOUSLY, STARTING FROM THE TIME OF INSTALLATION, THROUGH AND FOR NOT LESS THAN 30 DAYS BEYOND THE DATE THAT ALL REQUIRED PLANTINGS HAVE BEEN INSTALLED. MAINTENANCE SHALL INCLUDE REGULAR PRUNING, CULTIVATING, WATERING, WEED CONTROL, INSECT/PEST CONTROL, FERTILIZATION, MULCH AND SAUCER RESTORATION, AND TIGHTENING AND RESETTING OF GUYS AND STAKES.
- CONTRACTOR SHALL MAINTAIN ALL INSTALLED LAWNS CONTINUOUSLY, STARTING FROM THE TIME OF INSTALLATION, THROUGH THE THIRD CUTTING OF AN ESTABLISHED LAWN BUT IN NO CASE LESS THAN FOR 30 DAYS AFTER LAWN HAS BEEN ESTABLISHED. TO BE CONSIDERED AN ESTABLISHED LAWN, NO INDIVIDUAL LAWN AREA SHALL HAVE UNACCEPTABLE PORTIONS, AS DETERMINED BY THE LANDSCAPE ARCHITECT, IN EXCESS OF ONE SQUARE FOOT FOR EVERY 100 SQUARE FEET. MAINTENANCE SHALL INCLUDE REGULAR WATERING, WEED CONTROL, INSECT/PEST CONTROL, FERTILIZATION, AND MOWING.
- TREES (EXCLUDING LAWNS) SHALL BE GUARANTEED FOR ONE FULL YEAR, STARTING FROM THE DATE THAT ALL REQUIRED PLANTINGS HAVE BEEN INSTALLED. WARRANTY SHALL BE AGAINST DEATH AND/OR UNSATISFACTORY CONDITION, AS DETERMINED BY THE LANDSCAPE ARCHITECT. ONE (1) REPLACEMENT(S) EACH OF DEAD AND/OR UNSATISFACTORY PLANTS SHALL BE PROVIDED AS PART OF THIS CONTRACT.
- OWNER RESERVES THE RIGHT TO ELIMINATE FROM THE PROJECT, WITHIN THE PROVISIONS OF THE CONTRACT DOCUMENTS, ANY WORK AND/OR PLANTINGS SHOWN AND/OR NOTED (e.g. QUANTITY, SIZES, LOCATIONS, ETC.) THAT EXCEED MINIMUM ZONING REQUIREMENTS.
- CONTRACTOR SHALL REMOVE ALL ROCKS, DEBRIS, CLOGS, ETC. 1" AND LARGER FROM TOP SOIL AND ALL PLANTING AREAS TO A DEPTH OF 6".



NOTE:

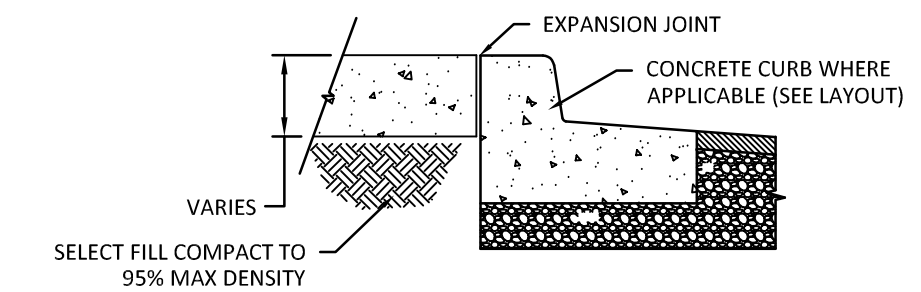
- CURB MUST MEET SCOD SPECIFICATIONS FOR STRENGTH 4000 PSI @ 28 DAYS.
- PROOF ROLL SUBGRADE AND BASE PRIOR TO LAYING CURB AND GUTTER.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEERING DEPARTMENT WITH CYLINDER TESTING DATA (SC-T-41) FROM AN INDEPENDENT TESTING LAB (AASHTO CERTIFIED) AND INSPECTOR CERTIFIED BY THE SCOD TO INSPECT AND TEST CONCRETE INDICATING COMPRESSIVE STRENGTH OF CONCRETE TESTED. A MINIMUM OF THREE TEST CYLINDERS EQUALLY SPACED SHALL BE TAKEN FOR THE FIRST 1000 LINEAL FEET. AN ADDITIONAL CYLINDER SHALL BE TAKEN FOR EACH ADDITIONAL FIVE HUNDRED LINEAL FEET OF CURBING. ALL TESTS SHALL BE IDENTIFIED WITH STATION IDENTIFICATION NUMBERS. NO TEST CYLINDER SHALL ATTAIN LESS THAN 2500 PSI WHILE THE AVERAGE OF ALL TEST CYLINDERS SHALL BE AT LEAST 4000 PSI. WHERE ANY SAMPLE IS LESS THAN 2500 PSI OR THE AVERAGE IS LESS THAN 4000 PSI THAN THE MATERIAL ASSOCIATED WITH THE FAILED SAMPLE STATION NUMBER(S) SHALL BE REMOVED AND REINSTALLED.

18" CONCRETE ROLL CURB & GUTTER

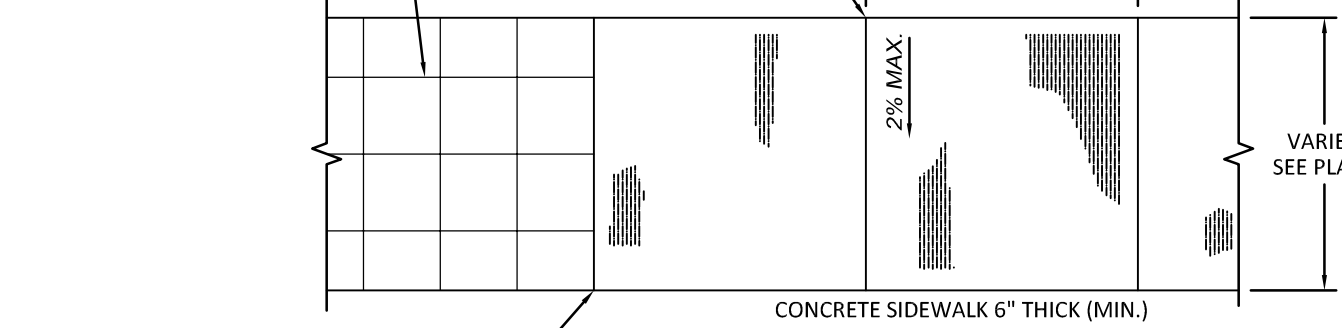
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NOTE:

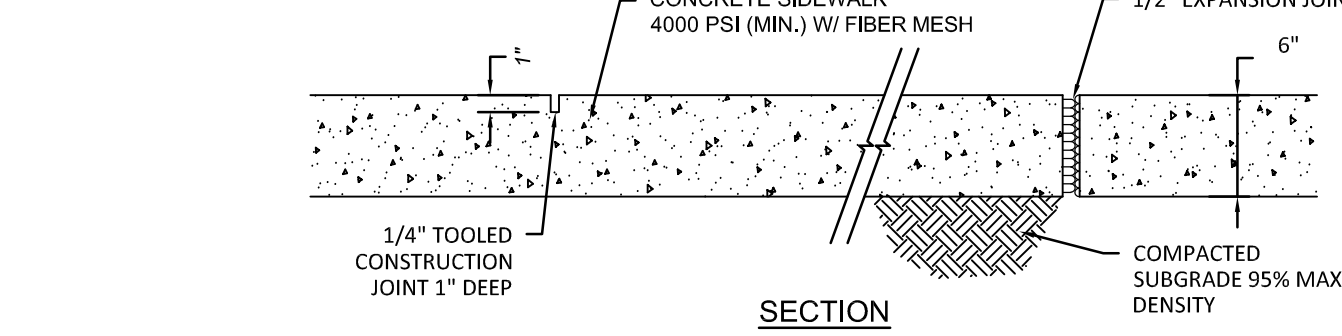
- CONTRACTOR TO INSTALL EXPANSION JOINT BETWEEN LIMITS OF LIGHT DUTY AND HEAVY DUTY SIDEWALK.
- ALL CONCRETE SHALL HAVE FIBER MESH REINFORCEMENT IN MIX PER SPECIFICATIONS.



HARDSCAPE FINISH (TYP) SEE HARDSCAPE PLANS FOR LIMITS, VARIATIONS AND SPECIFICATIONS.



CONTRACTOR TO INSTALL CONSTRUCTION JOINT OR EXPANSION JOINT AT LIMITS OF HARDSCAPE FINISH ON SIDEWALK.

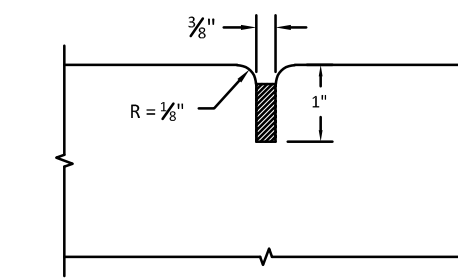


SIDEWALK DETAIL

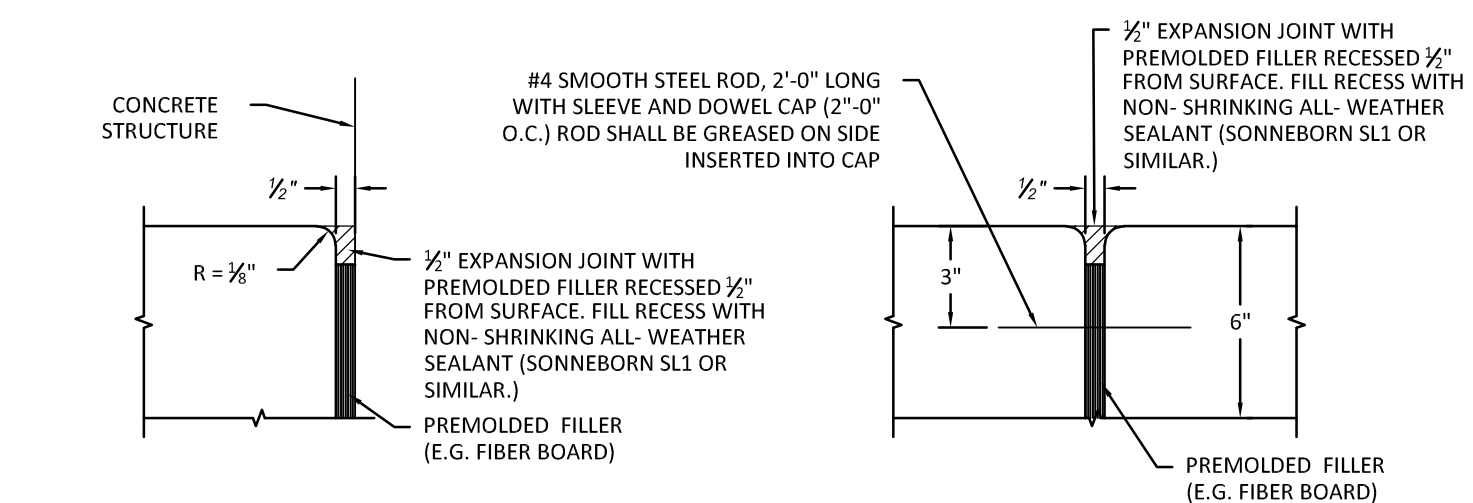
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NOTES:

- JOINT SPACING TO BE 12'x12' WITH EVERY OTHER JOINT BEING AN EXPANSION JOINT.
- DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF MECHANICAL EQUIPMENT.
- DRILLING BY HAND IS NOT ACCEPTABLE. PUSHING DOWEL BARS INTO WET CONCRETE IS NOT ACCEPTABLE.



CONTROL JOINT

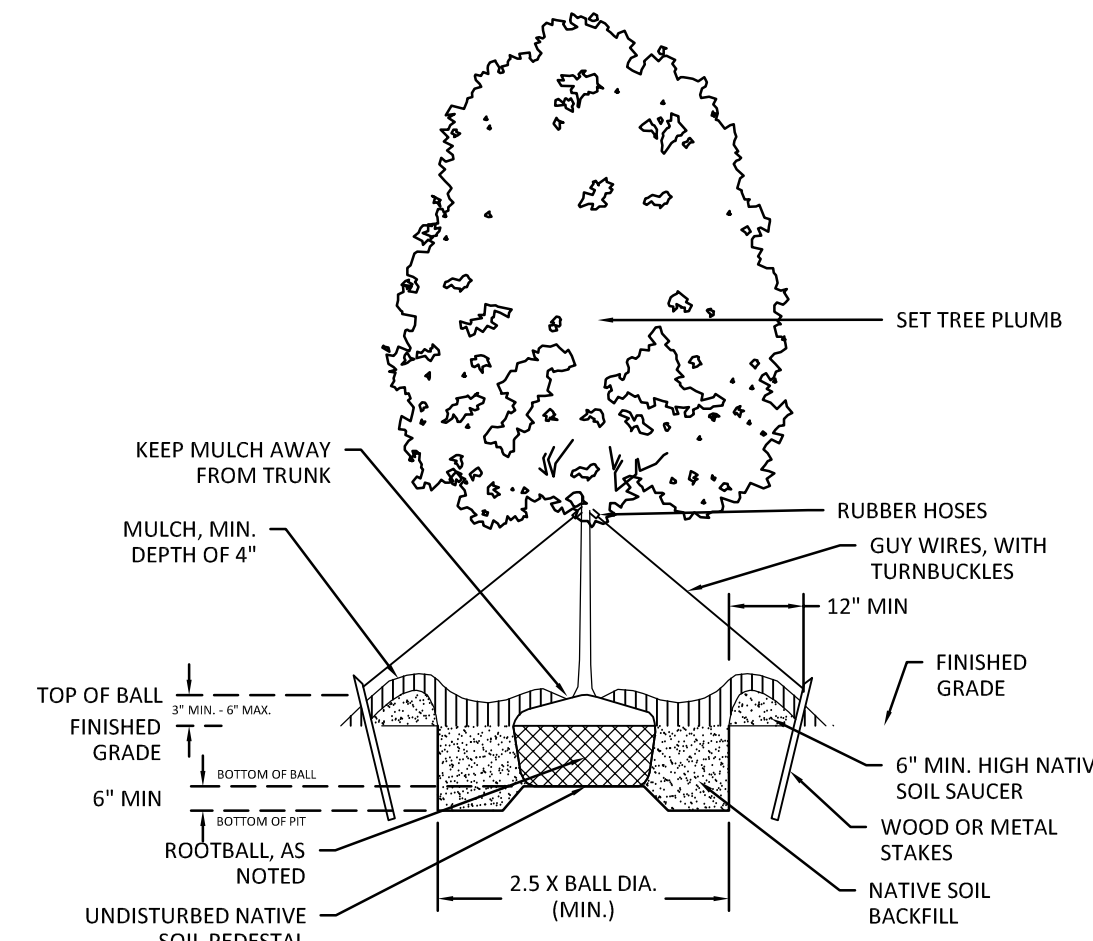


ISOLATION JOINT AT IMMOVABLE OBJECT

EXPANSION JOINT

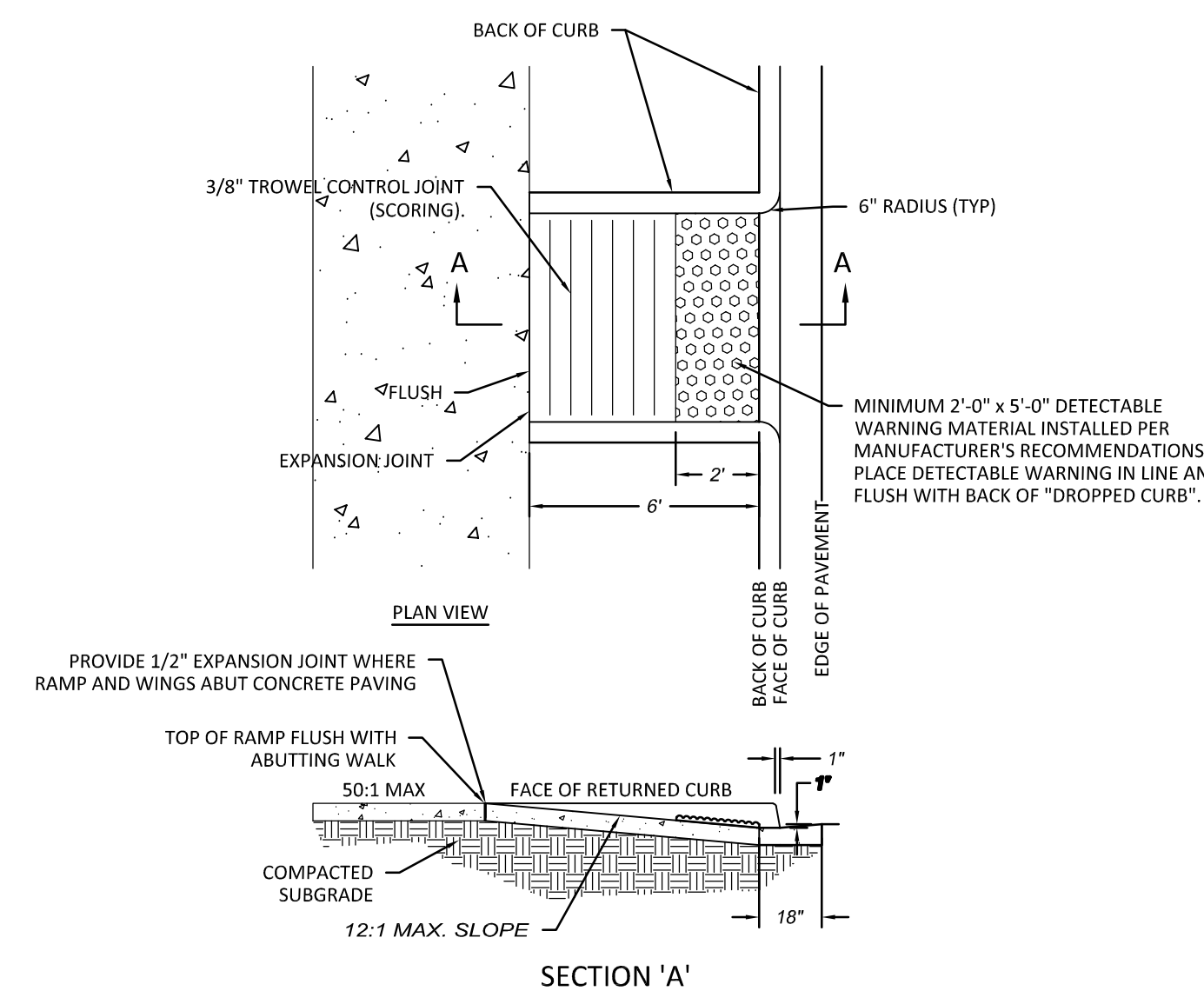
TYPICAL CONCRETE JOINT DETAILS

SCALE: N.T.S.



SHADE AND UNDERSTORY TREE PLANTING

SCALE: N.T.S.



HANDICAP RAMP DETAIL

SCALE: N.T.S.



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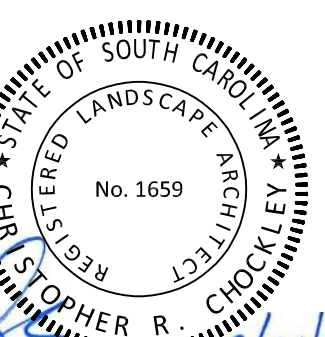
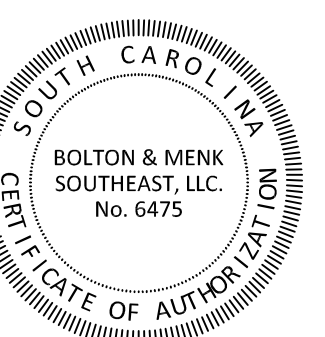
CITY OF MYRTLE BEACH, SC

MARKET COMMONS TREE/SIDEWALK REPLACEMENT PHASE 1

LANDSCAPE NOTES AND DETAILS

PROJECT NO:
23123.0L

REVISIONS:
1 ADDENDUM NO. 2 ZRC 06-19-24



DATE: 05-27-2024
DESIGNED BY: CRC
DRAWN BY: CRC
CHECKED BY: CRC

L1.05