

December 11, 2015

**ADDENDUM NO. 2
2014PW0057T TAP-5901 (805)**

PROJECT: MAIN AVENUE STREETScape – PHASE 1
BID OPENING: 10:30 a.m., December 17th – Bush Building 2nd Floor East Conference Room,
City of Springfield, Missouri

This addendum forms a part of the Bid Documents for the project described above. The original Bid Documents and any prior addenda remain in full force and effect except as modified by the following, which shall take precedence over any contrary provision in the prior documents. The following clarifications are made:

Pre-bid meeting agenda and sign-in sheet are attached to this addendum.

Bid Documents, Specifications & Plan Sheets:

1. **Revised Form of Proposal**, which is included and has been updated to reflect the following changes:
 - a. **Schedule E – New Landscape Construction**
 1. Item E5: 2" PVC and 6" PVC Parallel Sleeves for Irrigation – Buried. This bid item quantity has been updated
 2. Item E7: 1" Slotted Sch. 40 PVC Vent Pipe Sleeve for Irrigation – Buried. This bid item has changed from a 4" pipe to 1" pipe.
 3. Item E8: Preformed Irrigation Handhole L1-8. This bid item quantity has been updated.
 4. Item E13: 2" Irrigation Meter. This is a new bid item and has been added to the bid form.
 - i. Contact Kevin Roods (417) 831-8815 to coordinate with CU.
2. **Revised Plan Sheets:**
 - a. Sheet 2, 16, 17, & 21 have been updated to show the landscape changes mentioned above.
3. **Revised Job Special Provisions**, which are included.
 - a. Subcontractors Disclosure Form: Has been updated to remove the asphalt subcontractor as there is no asphalt on this project and has been replaced by a concrete subcontractor.

Clarifications:

1. **Railroad**, no work shall be conducted on railroad property therefore no railroad insurance will be needed.
2. **JSP-105 Traffic Control**, the contractor will be allowed to close Main Avenue for the duration of the project with access to all driveways at all times during construction. If driveways access will be interrupted, the contractor will work with the City to notify property owners in advance. However, in the event that construction activities are being conducted and Main Avenue is not closed then the contractor will at least have one lane of traffic in each direction, on all roadways, and shall maintain access at all times except for brief intervals of time required when the movement of the contractor's equipment will seriously hinder the safe movement of traffic. A flagger shall be provided to direct and assist motorists. The cost of the flagger shall be provided at Contractor expense and considered incidental to the project.

3. **Instruction to Bidders**, 13.A is updated to include the following changes.
 - a. 13.A.7 – DBE forms shall be submitted at time of bid opening.
 - b. 13.A.8 – Subcontractor Certification Regarding Affirmative Action shall be submitted at time of bid opening and will be required by to be submitted by the General Contractor and all Subcontractors.

4. **Utilities**
 - a. Station 19+55 Underground Fiber Optic, once street is torn up and the fiber is exposed, Century Link will lower the line. Please contact Bobby Kennedy (417) 860-4526 within 5 business days of exposure so he can coordinate lowering the existing line.
 - b. Station 16+10 Underground Fiber Optic, once street is torn up and the fiber is exposed, AT&T will lower the line. Please contact Joseph Crim (417) 836-2651 within 5 business days of exposure so he can coordinate lowering the existing line.

In order to have a valid bid proposal, this addendum must be acknowledged and returned with your bid proposal.

If you have any questions concerning this addendum, please feel free to contact Jonathan Peitz at (417) 864-1994.



Jonathan Peitz, EIT
 Public Works Department
 City of Springfield, Missouri

Acknowledgement by Bidder:

Representative

Date

Company

**CITY OF SPRINGFIELD
PUBLIC WORKS DEPARTMENT**
840 North Boonville Avenue
Springfield, MO 65802

**Main Avenue Streetscape - Phase 1
2014PW0057T
TAP-5901 (805)**

FORM OF PROPOSAL

To: City of Springfield
Public Works Department
840 North Boonville Avenue
Springfield, MO 65802

From: _____, hereinafter called the "Bidder", having contract examined and being fully informed and familiar with the local conditions and with the contract documents including the drawings, the Notice to Contractor, Instructions to Bidders, the General Conditions and the body of the technical specifications including:

Addenda Number _____ through _____ inclusive

Hereby offer to furnish all labor, supervision, materials, equipment, tools, services and all other items necessary for the performance and the completion of the construction described in the contract documents known as Main Avenue Streetscape - Phase 1 in accordance with the PLANS AND SPECIFICATIONS, heretofore filed in the Director of Public Works office (2014PW0057T), at the following prices to be paid in cash, to-wit:

SCHEDULE A - GENERAL					
ITEM NO.	DESCRIPTION	QTY	UNIT TYPE	UNIT PRICE	EXTENDED PRICE
A1	Mobilization, Bonds	1	LS	\$	\$
A2	Miscellaneous Utility Adjustments	1	LS	\$	\$
A3	Curbed Gutter Inlet Protection on Grade	9	EA	\$	\$
A4	Curbed Gutter Inlet Protection on Sump	2	EA	\$	\$
SCHEDULE A SUBTOTAL				\$	

SCHEDULE B - DEMOLITION BASE BID					
ITEM NO.	DESCRIPTION	QTY	UNIT TYPE	UNIT PRICE	EXTENDED PRICE
B1	Demolition and Removals	1	LS	\$	\$
B2	Underground and Miscellaneous Removals	1	LS	\$	\$
SCHEDULE B SUBTOTAL				\$	

SCHEDULE C - NEW STREET AND SIDEWALK CONSTRUCTION					
ITEM NO.	DESCRIPTION	QTY	UNIT TYPE	UNIT PRICE	EXTENDED PRICE
C1	2' 6" Wide Concrete Curb and Gutter with 6" wide Curb (including 4" aggregate base, tie-bars as required)	497	LF	\$	\$
C2	2' 9" Wide Concrete Curb and Gutter with 9" wide Curb (including 4" aggregate base, tie-bars as required)	153	LF	\$	\$
C3	4" Concrete Sidewalk (including 4" aggregate base)	1114	SY	\$	\$
C4	8" Concrete Driveway Approach (including 4" Aggregate Base, curb)	635	SY	\$	\$
C5	Concrete ADA Curb Ramps - (including 6" thick concrete on 4" aggregate base, concrete flares, concrete curb on back of sidewalk, and ADA detectable warning strips with grout complete in place)	221	SF	\$	\$

C6	4" Aggregate Base	1957	SY	\$	\$
C7	7" Non-Reinforced PCCP	1957	SY	\$	\$
C8	8" Tinted Concrete Cycle Track (including 4" Aggregate Base)	311	SY	\$	\$
C9	Sidewalk Underdrain	61	LF	\$	\$
C10	Furnish & Install Concrete Foundation Street/Pedestrian Light Base, Includes Anchor Bolts and Ground	12	EA	\$	\$
C11	Concrete Textured Pavement in Crosswalks	36	SY	\$	\$
SCHEDULE C SUBTOTAL				\$	

SCHEDULE D - NEW STORMWATER CONSTRUCTION					
ITEM NO.	DESCRIPTION	QTY	UNIT TYPE	UNIT PRICE	EXTENDED PRICE
D1	SS-1 Junction Box (4'x4')	1	EA	\$	\$
D2	SS-1 (Modified) Junction Box (6.5'x6.5')	1	EA	\$	\$
D3	SS-3 Non-Recessed Curb Inlet (4'x8')	1	EA	\$	\$

D4	Combination Curb Inlet (4'x2.5')	2	EA	\$	\$
D5	Combination Curb Inlet (4'x6')	3	EA	\$	\$
D6	Combination Curb Inlet (6'x6')	1	EA	\$	\$
D7	12" HPP (Including Pavement Repair, Gaskets)	147	LF	\$	\$
D8	15" Storm Pipe (Including Pavement Repair, Gaskets)	5	LF	\$	\$
D9	18" Storm Pipe (Including Pavement Repair, Gaskets)	110	LF	\$	\$
D10	24" Storm Pipe (Including Pavement Repair, Gaskets)	23	LF	\$	\$
D11	48" Storm Pipe (Including Pavement Repair, Gaskets)	210	LF	\$	\$
D12	8'x4' Precast Concrete Box Culvert	120	LF	\$	\$
D13	18" Drainage Basin w/ Standard Lid	3	EA	\$	\$
SCHEDULE D SUBTOTAL				\$	

SCHEDULE E - NEW LANDSCAPE CONSTRUCTION

ITEM NO.	DESCRIPTION	QTY	UNIT TYPE	UNIT PRICE	EXTENDED PRICE
E1	Seed & Mulch (Miscellaneous Areas)	1	LS	\$	\$
E2	Provide and Install Silva Cell 2 (including excavation & hardware)	223	EA	\$	\$
E3	Backfill Silva Cell 2 with Planting soil	83	CY	\$	\$
E4	Planting Bed Soil Non-Silva Cell 2 Area	68	CY	\$	\$
E5	2" PVC and 6" PVC Parallel Sleeves for Irrigation - Buried	825	LF	\$	\$
E6	4" PVC Sleeve for Irrigation - Buried	116	LF	\$	\$
E7	1" Slotted Sch. 40 PVC Vent Pipe Sleeve for Irrigation - Buried	157	LF	\$	\$
E8	Preformed Irrigation Handhole LI-8	14	EA	\$	\$
E9	Rain Garden Soil Media	32	CY	\$	\$
E10	Rain Garden Open Graded Aggregate	20	CY	\$	\$
E11	4'x2.5' Vault for Backflow Preventer & Blow-Off Valve	1	EA	\$	\$
E12	Grouted Cobbles	114	SF	\$	\$
E13	2" Irrigation Meter	1	EA	\$	\$
SCHEDULE E SUBTOTAL				\$	

SCHEDULE F - TEMPORARY TRAFFIC CONTROL

ITEM NO.	DESCRIPTION	QTY	UNIT TYPE	UNIT PRICE	EXTENDED PRICE
F1	Temporary Crosswalk Striping	120	LF	\$	\$
F2	Channelizer (Trim Line)	17	EA	\$	\$
F3	Type III Moveable Barricade w/ Type B Warning Lights	12	EA	\$	\$
F4	Road Work Ahead (W20-1) 36"x36" - 3 Total	27	SF	\$	\$
F5	Road Closed Ahead (W20-3) 36"x36" - 3 Total	27	SF	\$	\$
F6	Sidewalk Closed (R9-9) 12"x24" - 4 Total	8	SF	\$	\$
F7	Sidewalk Closed Ahead Cross Here (R9-11L) 12"x24" - 1 Total	2	SF	\$	\$
F8	Sidewalk Closed Ahead Cross Here (R9-11R) 12"x24" 2 Total	4	SF	\$	\$
F9	Road Closed (R11-2) 48"x30" - 8 Total	80	SF	\$	\$
F10	End Road Work (G20-2) 36"x18" - 2 Total	9	SF	\$	\$
SCHEDULE F SUBTOTAL				\$	

SCHEDULE G - CITY UTILITIES ELECTRIC RELOCATIONS					
ITEM NO.	DESCRIPTION	QTY	UNIT TYPE	UNIT PRICE	EXTENDED PRICE
G1	Remove Concrete Foundation	2	EA	\$	\$
G2	Install Secondary Pedestal (SP-2C)	3	EA	\$	\$
G3	Furnish/Install Secondary Riser (SR-2CP)	1	EA	\$	\$
G4	Furnish/Install 1-2" PVC Conduit in Trench	524	FT	\$	\$
G5	Furnish/Install 1-2" GALV Conduit in Trech	341	FT	\$	\$
G6	Furnish/Install p224 (PVC Elbow)	33	EA	\$	\$
G7	Furnish/Install G236 (GALV Elbow)	8	EA	\$	\$
SCHEDULE G SUBTOTAL				\$	

TOTAL BASE BID (SCHEDULES A+B+C+D+E+F+G)	\$
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Note 1 Accompanying the proposal is a certified or cashier's check or acceptable bidders bond in the amount of or five (5) percent of the amount of this bid, payable to the City of Springfield - Public Works Dept., which is in accordance with the provisions in the instructions to bidders. It is agreed that if the successful bidder fails to execute and deliver the agreement and furnish the required contract security within ten (10) days after the Notice of Award, the engineer may annul the Notice of Award and the bid security of that bidder will be forfeited.

Note 2 It is understood by the undersigned that the quantities given in the itemized proposal are not guaranteed and are used solely for the purpose of comparing bids and awarding the contract, and may or may not represent the actual quantities encountered on the job. The gross sum bid shall be based upon the given itemized quantities multiplied by the unit prices shown herein. In the event of a discrepancy between the unit prices and the gross sum bid, the unit prices will prevail. The undersigned agrees that payment will be on the basis of the unit prices shown herein, and shall be made on quantities actually constructed and verified by field measurement.

The undersigned agrees to complete the work specified herein in accordance with the contract unit prices, whether it involves quantities greater or less than those indicated in this Bid Proposal and agrees that the proposed quantities could not in any way be construed to misrepresent earth, rock, or groundwater quantities in the scope of work proposed.

Bidder agrees and understands that by this submission that items required, but not shown on proposal, shall be included in the bid price for other items such as, but not limited to, excavation, ditching, backfilling, or installation of bedding material.

Note 3 The undersigned submits the following itemized proposal and hereby authorizes the Director of Public Works to correct any multiplication of "Unit Price" by "Quantity" as shown under "Amount" when copying the itemized proposal sheet(s) into any contract.

- Note 4 Bidder agrees that payment will be in cash as follows: On the 22nd day of each month, the Engineer will measure and compute the amount of work performed during the month and the value thereof at the contract unit price. On or about the 20th day of the month following, the Contractor shall be paid an amount equal to the value of the work performed less a retained amount of five (5) percent until construction is complete.
- Note 5 The undersigned agrees that if awarded the contract for the work, the contract will be signed and satisfactory bonds filed within ten (10) days after notice of intent to award.
- Note 6 It is understood that this bid becomes a part of the specifications upon the signing of the contract and that failing to comply with any part of this bid will be taken as a failure to comply with said specifications and will be just cause for rejection of work.
- Note 7 As a condition of submitting this bid and in consideration of the City permitting the bid to be submitted, the bidder hereby agrees that this bid shall be irrevocable for a period of sixty (60) days and that the bid shall not be withdrawn during the sixty (60) day period from the date of the bid opening specified in the bid notice.
- Note 8 In submitting this bid, it is understood that the right is reserved by the City of Springfield to reject any and all bids, to waive any irregularities in the bidding, and to increase or decrease the amount of any class or portion of the work.
- Note 9 In submitting this proposal, contractor certifies that no employee, member, or officer of the firm or corporation is a salaried officer or employee of the City of Springfield or any of its boards or agencies, and that no salaried officer or employee of the City has any financial interest, direct or indirect, in this Contract.

Note 10 The undersigned, as bidder, understands that the bidder awarded the contract will be required to comply, and to cause his subcontractors, if any, to comply with all federal statutes, regulations, and directives against discrimination against any person in connection with the contract, on account of race, color or national origin, and that such discrimination extends to procurement of materials and lease of equipment for use in connection with the contract.

Note 11 The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principal are those named herein; that this proposal is made without directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with such bid of any contract which may result from its acceptance or combination of any kind or character with any other person, firm, association, or corporation, or any member or officer thereof. Bidder further certifies that the person, firm, association, or corporation making said bid is not financially interested in, or financially affiliated with, any other bidder for this Proposal; that he has carefully examined the location of the proposed work, the plans, standard specifications, and special provisions heretofore mentioned, and the form of contract and contract bond; that he proposed and agrees, if this proposal is accepted, to execute the contract and bond and secure execution of the bond by satisfactory surety and to provide all necessary machinery, tools, apparatus, and other means of construction, and will do all the work and furnish all the materials specified in the contract, in the manner and time prescribed and in accordance with the requirements of the engineer as therein set forth, and that he will accept in full payment therefore the amount or amounts certified by the engineer in accordance with the bid, specifications, and contract.

Note 12 It is understood by the undersigned, that the work to be performed under the provisions of these Contract Documents and the unit and lump sum prices named in this Proposal and the Contract based thereon shall cover the furnishing of all materials (except materials specified to be furnished by the Owner), equipment, supplies and appurtenances, all construction plant, equipment and tools, the performance of all necessary labor, supervision and services and the construction complete as indicated by and detailed on the contract plans and as stipulated in the contract specifications and other contract documents.

The scope of the work to be performed under the various unit and lump sum prices of the contract proposal is in general, defined and described under the respective applicable specification sections. It is the intent of the Proposal Form and the Special Provisions that the total bid as submitted shall cover all work shown by the Contract Drawings and as required by the attached specifications and other Contract Documents. All cost in connection with the work, and payment therefore, shall be included in and based on the unit and lump sum prices named in the Proposal. No item of work that is required by the Contract documents for the proper and successful completion of the contract shall be paid for outside of or in addition to the prices submitted in the Proposal, as all work not specifically set forth in the Proposal as a pay item shall be considered a subsidiary obligation of the Contractor and all cost in connection therewith shall be included in the unit or lump sum prices named in the Proposal.

Note 13 SIGNATURE AND IDENTITY OF BIDDER: The undersigned states that the correct LEGAL NAME and ADDRESS of (1) the individual bidder, (2) each partner or joint venture (whether individuals or corporations, and whether doing business under a fictitious name), or (3) the corporation (with the state in which it is incorporated) are shown below; that (if not signing the intention of binding himself to become the responsible and sole contractor) he is the agent of, and duly authorized in writing to sign for the bidder or bidders; and that he is signing and executing this (as indicated in the proper spaces below) as the proposal of a:

sole individual partnership joint venture

corporation, incorporated under laws of State of Missouri

Dated _____, 20____

Respectfully submitted,

Doing business under the name of: _____

(If using a fictitious name show this name above in addition to legal name.)

(IF AN INDIVIDUAL)

Signature of Bidder _____

Business Address _____

Telephone Number _____

(IF A CORPORATION OR JOINT VENTURE)

Firm Name _____ (SEAL)

Signed by _____ (SEAL)

Business Address _____

Telephone Number _____

Insert Name and
Address of all
Members of the firm

(IF A CORPORATION)

Corporate Name _____

(CORPORATE SEAL)

Signed by _____

President

Principal Place of Business in Missouri

Telephone Number _____

Insert Names of Officers

Attest: _____

(Secretary)

State of Incorporation _____

NOTE: If the bidder is doing business under a FICTITIOUS NAME, the proposal shall be executed in the legal name of the individual, partners, joint ventures, or corporation, with no legal address shown, and REGISTRATION OF FICTITIOUS NAME filed with the Secretary of State, as required by Sections 417.200 to 417.230 RSMo. If the bidder is a CORPORATION NOT ORGANIZED UNDER THE LAWS OF MISSOURI, it should procure a CERTIFICATE OF AUTHORITY TO DO BUSINESS IN MISSOURI, as required by Section 315.570 and following RSMo. A CERTIFIED COPY of such Registration of Fictitious Name or Certificate of Authority to do Business in Missouri shall be filed with the City of Springfield, Missouri.

**CITY OF SPRINGFIELD
PUBLIC WORKS DEPARTMENT**
840 North Boonville Avenue
Springfield MO 65802

**MAIN AVENUE STREETScape – PHASE 1
SUBCONTRACTORS DISCLOSURE FORM**

The Bidder hereby certifies that the following Subcontractors will be used in the performance of the work.

The Contractor shall list all Subcontractors which include any subcontractor performing ten percent (10%) or Fifty Thousand Dollars (\$50,000.00), whichever is less, of the work on the project. **The Contractor shall list the subcontractor(s) performing work in the categories listed below regardless of the amount of work performed.**

A subcontractor is a Contractor performing a portion of the work for the General Contractor and is not a material supplier providing only materials.

If the Contractor plans to use its own employees in any category, then the Contractor must list itself in that category. If more than one firm will perform work in a single category, designate the portion of work to be performed by each subcontractor (or Contractor if Contractor is performing a portion of the work).

Failure to list either the Bidder's firm or subcontractor for each category of work identified or defined herein or the listing of more than one firm for a category without designating the portion of work to be performed by each may result in rejection of bid as non-responsive. After bid opening, substitutes of listed firm will not be permitted except as indicated in the Instructions to Bidders or the General Conditions.

Name and Address of Firm

Work to be Performed

Sidewalk/ADA

Concrete

Electric

AGENDA

- 1) Sign-Up Sheet – Pass around for registering attendees.
- 2) Contacts
 - a) Owner Contact(s):

Jonathan Peitz, EIT – Project Engineer, City of Springfield; Phone: (417) 864-1994, Fax: (417) 864-1907

Paula Brookshire, P.E. – Transportation Engineering, City of Springfield; Phone: (417) 864-1989, Fax: (417) 864-1907
 - b) Consultant Contact(s):

Reid Catt, P.E. – Olsson Associates; Phone (913) 381-1170
- 3) Project Schedules
 - a) Bids Due: 10:30 a.m., December 17, 2015
840 Boonville (East Conference Room – Busch Building)
 - b) Bid Opening: 10:30 a.m. December 17, 2015
840 Boonville (East Conference Room – Busch Building)
 - c) Anticipated Notice to Proceed: January 2016
 - d) Time Allotted for Project: March 31, 2015
 - e) Liquidated Damages: \$1,000/day
- 4) Bidding and Contract Requirements
 - a) All bidders must be listed on MoDOT’s Qualified Contractor List. The contractor questionnaire must be on file 7 days prior to the bid opening.
 - b) The Contractor shall seal their bid in an envelope and clearly mark the outside with the name of the Project and company name/letterhead.
 - c) Required with each bid:
 - i) Bid Form
 - ii) Bid Bond (5%)
 - iii) Subcontractors List & Disclosure Forms
 - iv) Anti-Collusion Statement
 - v) Statement of Bidders Qualifications, and/or identification of LLC participants.
 - vi) Acknowledgement of Addendums
 - vii) Subcontractors Certification Regarding Affirmative Action
 - viii) DBE Submittal Form
 - ix) E-Verify Affidavit & MOU
 - d) Review of Unit Prices – Include in the Bid Price the quantity shown at the unit price bid. These are allowance quantities are IN ADDITION TO any quantities indicated elsewhere in the documents as included in the base bid, which are subject to modification by Change Order.

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- e) Date for last addendum to be issued will be Friday, December 11th. All questions should be asked in writing, and submitted before 12:00 p.m. Friday, December 11th.
 - f) Project is exempt from Sales Tax
 - i) Tax exemption certificate will be furnished to the General Contractor.
 - ii) It is the General Contractor's responsibility to ensure that copies of the certificate are provided to other necessary parties, as outlined in RSMo 144.062.3
 - g) Prevailing Wages and/or Davis Bacon
 - i) Prevailing Wage – Wage Order 22
 - h) Weather Delays.
 - i) In general, there will be no extension of Contract time due to weather.
 - i) Review what is needed at the time contracts is signed, such as Payment Bond (100% of base bid) and a Labor & Materials Bond (100% of base bid), Insurance with endorsements, OSHA 10-hr.
 - i) Insurance – NO OCP REQUIRED
- 5) Project Description – This project consists of the construction of 1120 square yards of 4” concrete sidewalk, 310 square yards of 8” tinted concrete, replacement of 660 linear feet of concrete curb & gutter, 2000 square yards of 7” concrete pavement, 630 square yards of 8” concrete driveway, 520 linear feet of storm pipe, various storm structures, pedestrian lighting and electrical conduit.
- 6) Special Provisions
- a) Use of Site
 - i) Maximum area to be occupied by contractor shall be within street right-of-way
 - ii) Maximum daytime area to be occupied by contractor – maintain access to properties
 - b) Street/lane/sidewalk closures
 - i) Anticipated.
 - (1) Sidewalk closure is anticipated and contractor shall have adequate traffic control devices in place to reroute pedestrians to other sidewalks.
 - (2) Road Closure will be allowed for this project. Please review JSP-105
 - c) Submittals and Samples
 - i) Any submittals shall be provided and approved prior to start of construction; please refer to JSP-09.
 - d) Temporary erosion control and sediment Control.
 - i) Follow erosion and sediment control phasing plan provided on Sheet 22.
 - ii) Trees on the east side of Main at the intersection of College shall be protected throughout construction.
 - e) Progress Schedule
 - (1) Schedule will be required prior to start of project. Please refer to JSP-04
 - (a) Anticipated NTP: January
 - (b) Finish Date: **March 31, 2016**
 - f) Utility Discussion
 - i) Multiple utilities in the area. Use extreme caution when excavating.
 - ii) CU Electric Discussion – CU Electric plan for streetlight foundations, conduit and wires was included with Addendum 1.
 - g) Clarifications
 - (1) Addendum 1 is posted – 7” of concrete not 6”
 - h) Maintain project site – in a neat, clean, and organized manner. Premises shall be cleaned on a daily basis. Workmen shall be courteous and polite at all times. Obscene language, gestures, etc. will not be tolerated.

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- i) Construction Staking – Provided by City. Please refer to JSP-05
 - j) PROWAG Requirements – Please refer to JSP-10

7) Questions

Notes: _____

DWG: F:\PROJECTS\013-2405\TRNS\Design\Main Avenue Streetscape\132405_QTY-MS.dwg
 DATE: Dec 11, 2015 9:18am USER: jek

SUMMARY OF QUANTITIES

SCHEDULE A - GENERAL			
ITEM NO.	DESCRIPTION	UNIT TYPE	NO. UNITS
A 1	MOBILIZATION	LS	1
A 2	MISCELLANEOUS UTILITY ADJUSTMENTS	LS	1
A 3	CURBED GUTTER INLET PROTECTION ON GRADE	EA	9
A 4	CURBED GUTTER INLET PROTECTION IN SUMP	EA	2
A 5	CONSTRUCTION STAKING - BY OLSSON	LS	1
SCHEDULE B - DEMOLITION BASE BID			
ITEM NO.	DESCRIPTION	UNIT TYPE	NO. UNITS
B 1	DEMOLITION AND REMOVALS	LS	1
B 2	UNDERGROUND AND MISCELLANEOUS REMOVALS	LS	1
SCHEDULE C - NEW STREET AND SIDEWALK CONSTRUCTION BASE BID			
ITEM NO.	DESCRIPTION	UNIT TYPE	NO. UNITS
C 1	2'-6" CONCRETE CURB AND GUTTER WITH 6" WIDE CURB (INCLUDING 4" AGGREGATE BASE AND TIE-BARS AS REQUIRED)	LF	497
C 2	2'-9" CONCRETE CURB AND GUTTER WITH 9" WIDE CURB (INCLUDING 4" AGGREGATE BASE AND TIE-BARS AS REQUIRED)	LF	153
C 3	4" CONCRETE SIDEWALK (INCLUDING 4" AGGREGATE BASE)	SY	1114
C 4	8" CONCRETE DRIVEWAY APPROACH (INCLUDING 4" AGGREGATE BASE AND CURB)	SY	635
C 5	CONCRETE ADA CURB RAMPS (INCLUDING 6" THICK CONCRETE ON 4" AGGREGATE BASE, CONCRETE FLARES AND ADA DETECTABLE WARNING STRIPS WITH GROUT COMPLETE IN PLACE)	SF	221
C 6	4" AGGREGATE BASE	SY	1957
C 7	6" NON-REINFORCED PCCP	SY	1957
C 8	8" TINTED CONCRETE CYCLE TRACK (INCLUDING 4" AGGREGATE BASE)	SY	311
C 9	SIDEWALK UNDERDRAIN	LF	61
C 10	CONCRETE FOUNDATION STREET LIGHT BASE (INCLUDING ANCHOR BOLTS AND GROUND)	EA	12
C 11	CONCRETE TEXTURED PAVEMENT IN CROSSWALKS	SY	36
SCHEDULE D - NEW STORM WATER CONSTRUCTION BASE BID			
ITEM NO.	DESCRIPTION	UNIT TYPE	NO. UNITS
D 1	SS-1 JUNCTION BOX (4'x4')	EA	1
D 2	SS-1 (MODIFIED) JUNCTION BOX (6.5'x6.5')	EA	1
D 3	SS-3 NON-RECESSED CURB INLET (8'x4')	EA	1
D 4	COMBINATION CURB INLET (4'x2.5')	EA	2
D 5	COMBINATION CURB INLET (4'x6')	EA	3
D 6	COMBINATION CURB INLET (6'x6')	EA	1
D 7	12" HPP (INCLUDING TEMPORARY PAVEMENT REPAIR, GASKETS)	LF	147
D 8	15" RCP (INCLUDING TEMPORARY PAVEMENT REPAIR, GASKETS)	LF	5
D 9	18" RCP (INCLUDING TEMPORARY PAVEMENT REPAIR, GASKETS)	LF	110
D 10	24" RCP (INCLUDING TEMPORARY PAVEMENT REPAIR, GASKETS)	LF	23
D 11	48" RCP (INCLUDING TEMPORARY PAVEMENT REPAIR, GASKETS)	LF	210
D 12	8'x4' PRECAST CONCRETE BOX CULVERT	LF	120
D 13	18" DRAINAGE BASIN WITH STANDARD LID	EA	3
SCHEDULE E - NEW LANDSCAPE CONSTRUCTION BASE BID			
ITEM NO.	DESCRIPTION	UNIT TYPE	NO. UNITS
E 1	SEED & MULCH (MISCELLANEOUS AREAS)	LS	1
E 2	PROVIDE AND INSTALL SILVA CELL 2 (INCLUDING EXCAVATION & HARDWARE, SEE NOTE 3)	EA	223
E 3	BACKFILL SILVA CELL 2 WITH PLANTING SOIL	CY	83
E 4	PLANTING BED SOIL NON SILVA CELL 2 AREA	CY	88
E 5	2" PVC & 6" PVC PARALLEL SLEEVES FOR IRRIGATION - BURIED	LF	825
E 6	4" PVC SLEEVE FOR IRRIGATION - BURIED	LF	116
E 7	1" SLOTTED SCH 40 PVC VENT PIPE SLEEVE FOR IRRIGATION - BURIED	LF	157
E 8	PREFORMED IRRIGATION HANDHOLE U-8	EA	14
E 9	RAIN GARDEN SOIL MEDIA	CY	32
E 10	RAIN GARDEN OPEN GRADED AGGREGATE	CY	20
E 11	4'x2.5' VAULT FOR BACKFLOW PREVENTER & BLOW-OFF VALVE	EA	1
E 12	GROUTED COBBLES	SF	114
E 13	2" IRRIGATION METER	EA	1
SCHEDULE F - TEMPORARY TRAFFIC CONTROL			
ITEM NO.	DESCRIPTION	UNIT TYPE	NO. UNITS
F 1	TEMPORARY CROSSWALK STRIPING	LF	120
F 2	CHANNELIZER (TRIM LINE)	EA	17
F 3	TYPE III MOVEABLE BARRICADE W/ TYPE B WARNING LIGHTS	EA	12
F 4	ROAD WORK AHEAD (W20-1) 36"x36" - 3 TOTAL	SF	27
F 5	ROAD CLOSED AHEAD (W20-3) 36"x36" - 3 TOTAL	SF	27
F 6	SIDEWALK CLOSED (R9-9) 12"x24" - 4 TOTAL	SF	8
F 7	SIDEWALK CLOSED AHEAD CROSS HERE (R9-11L) 12"x24" - 1 TOTAL	SF	2
F 8	SIDEWALK CLOSED AHEAD CROSS HERE (R9-11R) 12"x24" - 2 TOTAL	SF	4
F 9	ROAD CLOSED (R11-2) 48"x30" - 8 TOTAL	SF	80
F 10	END ROAD WORK (G20-2) 36"x18" - 2 TOTAL	SF	9

NOTES:

- EXCAVATION QUANTITIES NOT INCLUDED IN PAVEMENT AND BASE REMOVAL SHALL BE CONSIDERED SUBSIDIARY TO SIDEWALK AND PAVEMENT CONSTRUCTION.
- SEE CITY UTILITIES PLANS FOR LIGHTING QUANTITIES.
- HARDWARE INCLUDES, BUT IS NOT LIMITED TO, INSPECTION RISER, GEOTEXTILE, SPIKES, ETC.
- SIGN QUANTITIES ARE CALCULATED BY THE MAXIMUM QUANTITY REQUIRED PER PHASE, INCLUSIVE OF ALL PHASES. CONTRACTOR SHALL BE RESPONSIBLE FOR SIGN RELOCATION (NO DIRECT PAY FOR SIGN RELOCATION.)

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 DATE
 J. Smith
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CITY OF
 SPRINGFIELD, MISSOURI
 MAIN AVENUE STREETSCAPE
 PHASE 1

APPROVED BY Dan Smith DATE 12/11/15
 DIRECTOR OF PUBLIC WORKS

SURVEYED BY: OA DESIGN: JKL SCALES: SHEET: 2
 FIELD BK: DRAWN: JKL OF: 28 SHEETS
 LEVEL BK: CHECKED: KVT VERT: FILE NO: 2014PW0057T

OLSSON
 ASSOCIATES
 Olsson Associates Engineering - Missouri State Certificate of Authority #001592
 550 St. Louis St.
 Springfield, MO 65806
 TEL 417.860.8802
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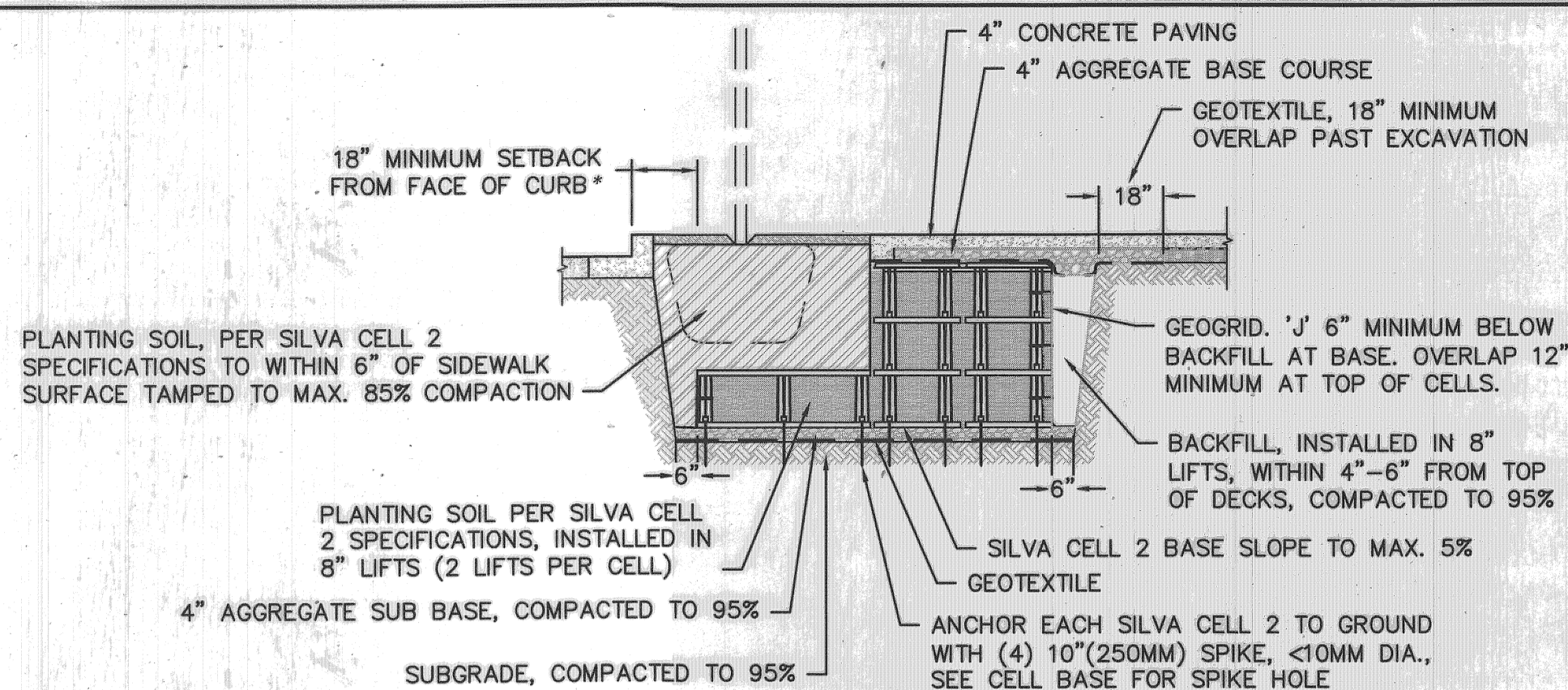
Digitally signed by Reid Catt
 Date: 2015.12.11 10:06:00
 MISSOURI
 REID BRENNEN CATT
 PROFESSIONAL ENGINEER
 NO. E-2010019516

REID BRENNEN CATT - ENGINEER
 MO# E-2010019516

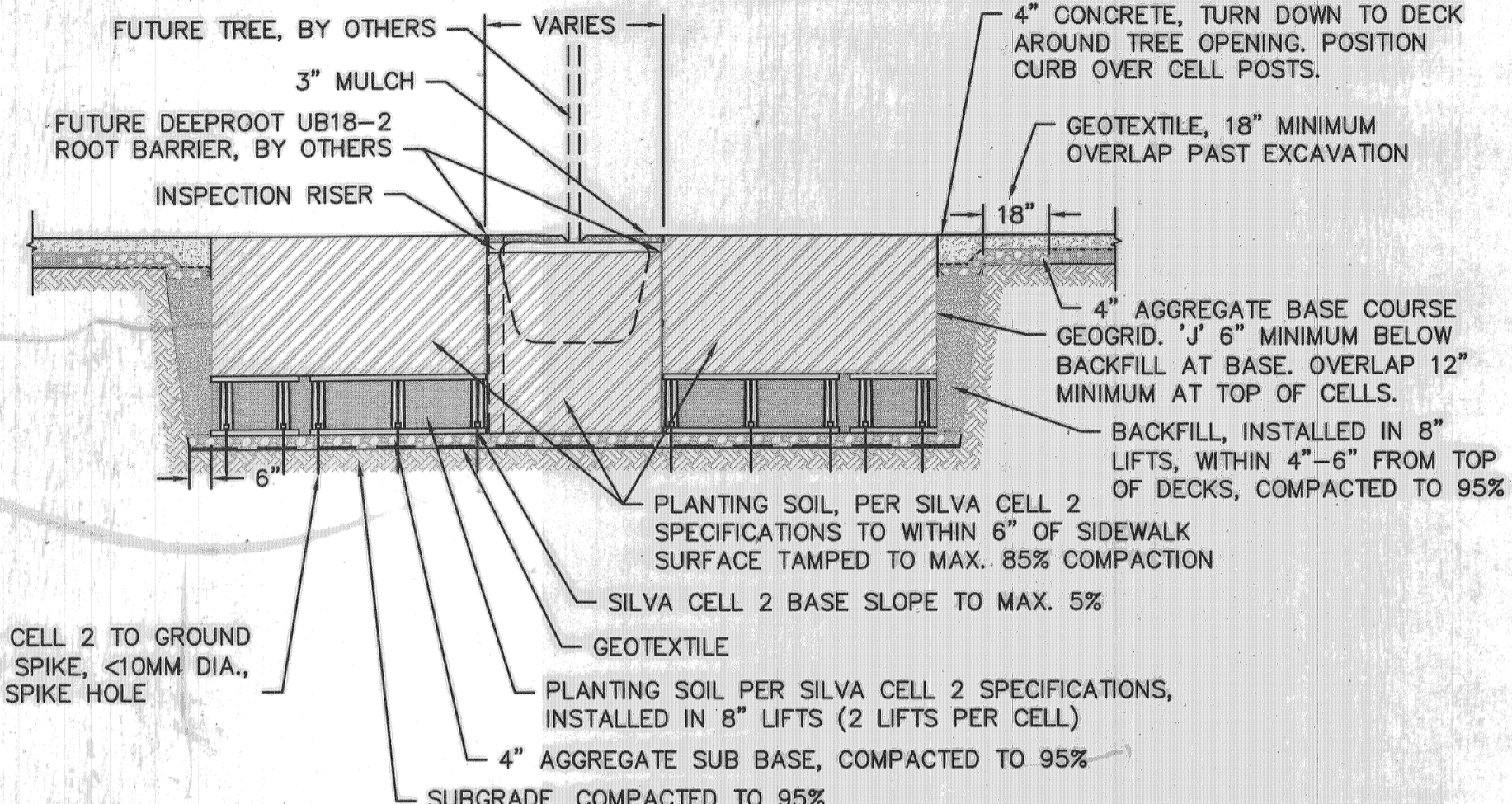
REV. NO.	DATE	REVISIONS DESCRIPTION	REV. BY
1	12.11.15	ADDENDUM 2	JKL

SUMMARY OF QUANTITIES
 MAIN AVENUE STREETSCAPE
 PHASE 1
 2015
 SPRINGFIELD, MISSOURI

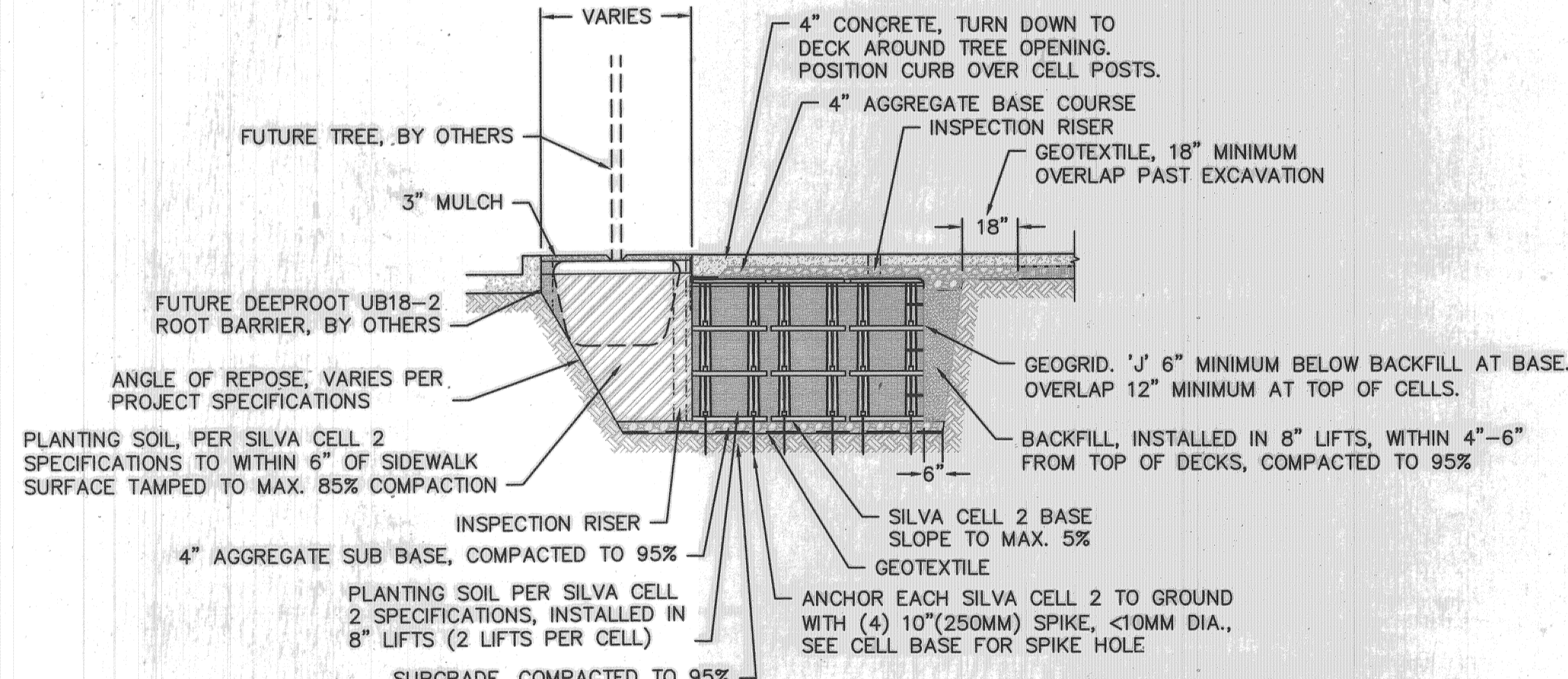
drawn by: JKL
 checked by: RBC
 approved by: RBC
 project no.: 013-2405
 drawing no.: 132405_QTY-MS
 date: 07.07.15



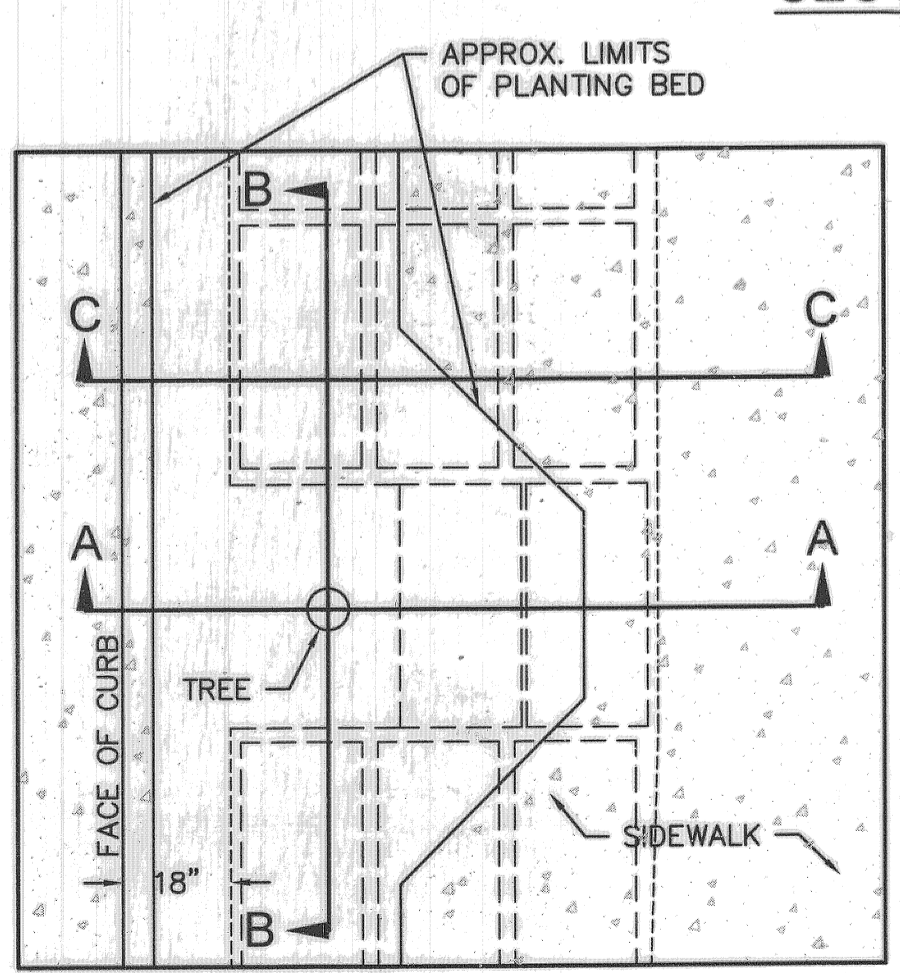
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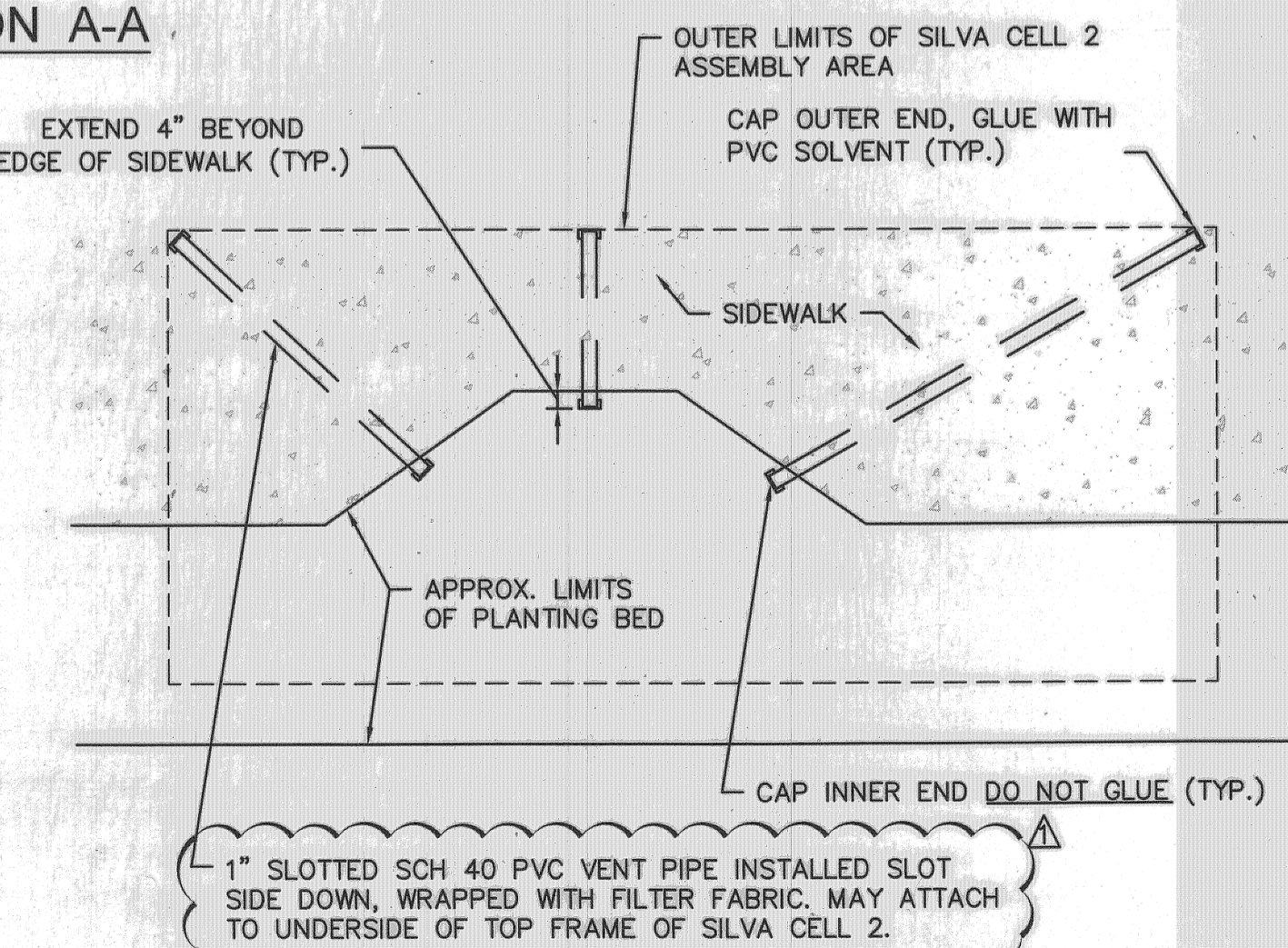
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SECTION A-A

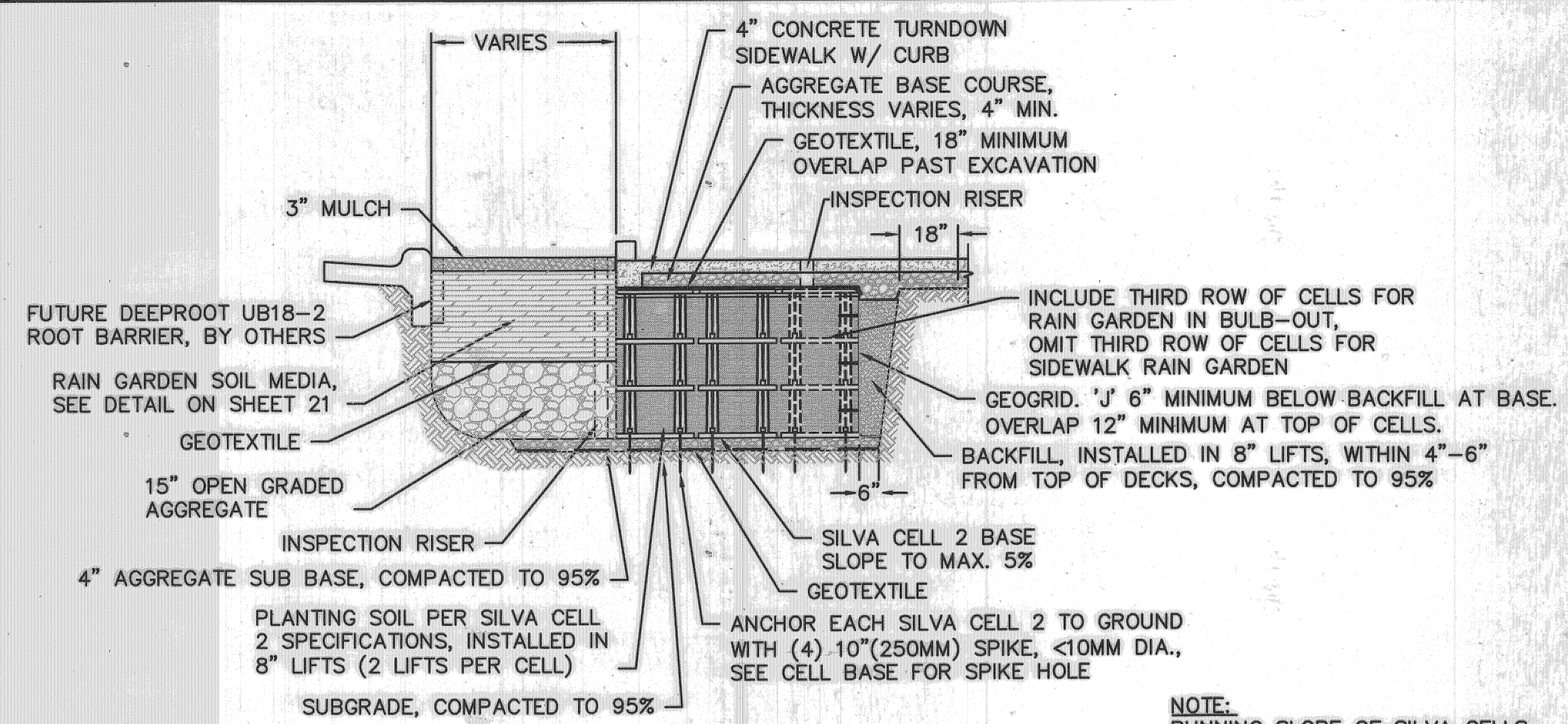


PLAN

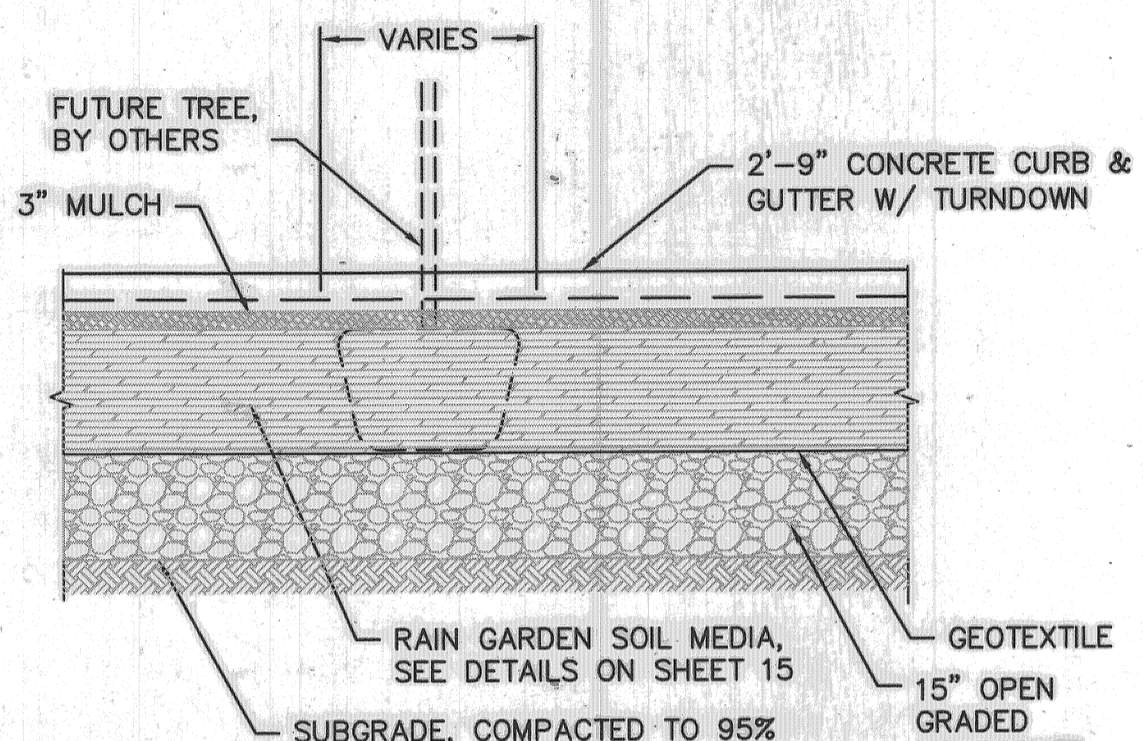


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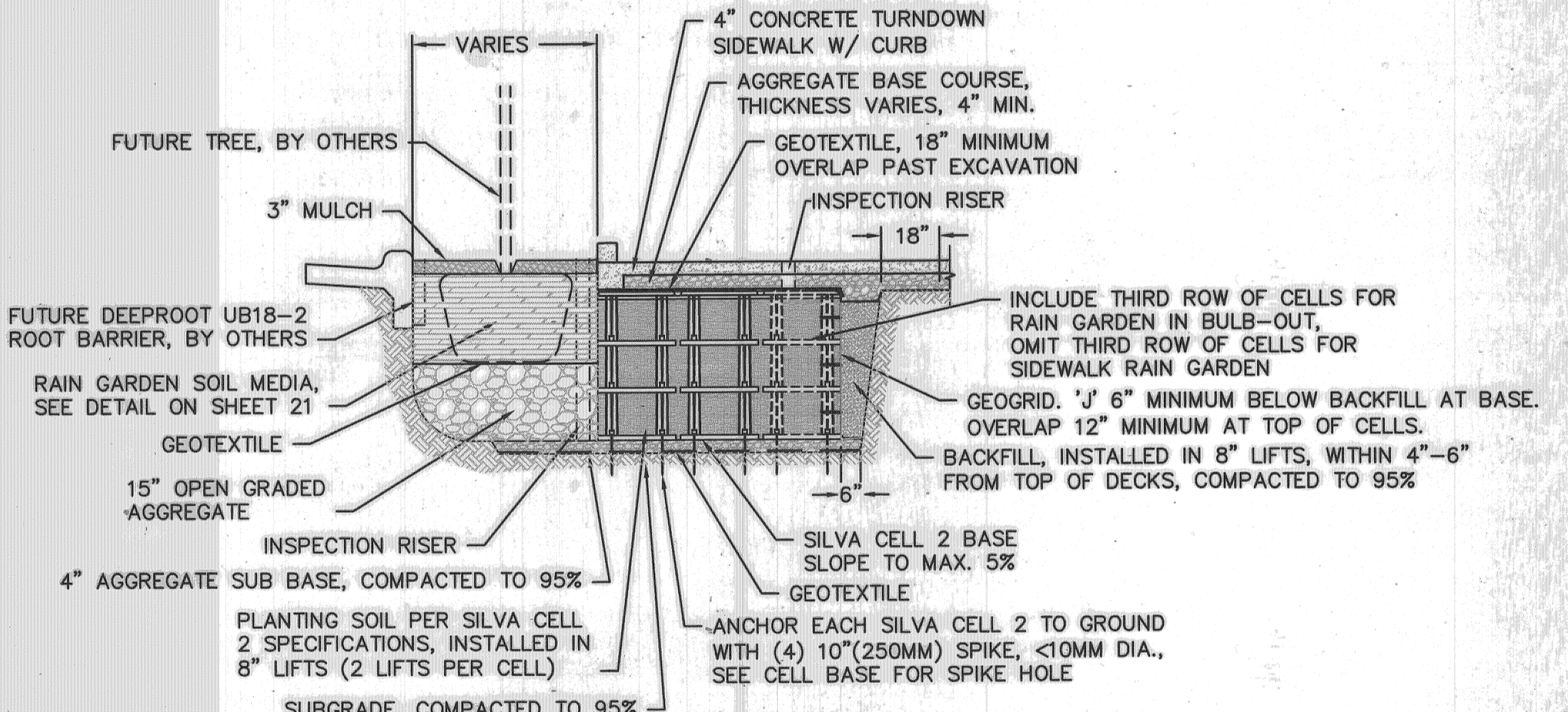
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 SCALE: N.T.S.



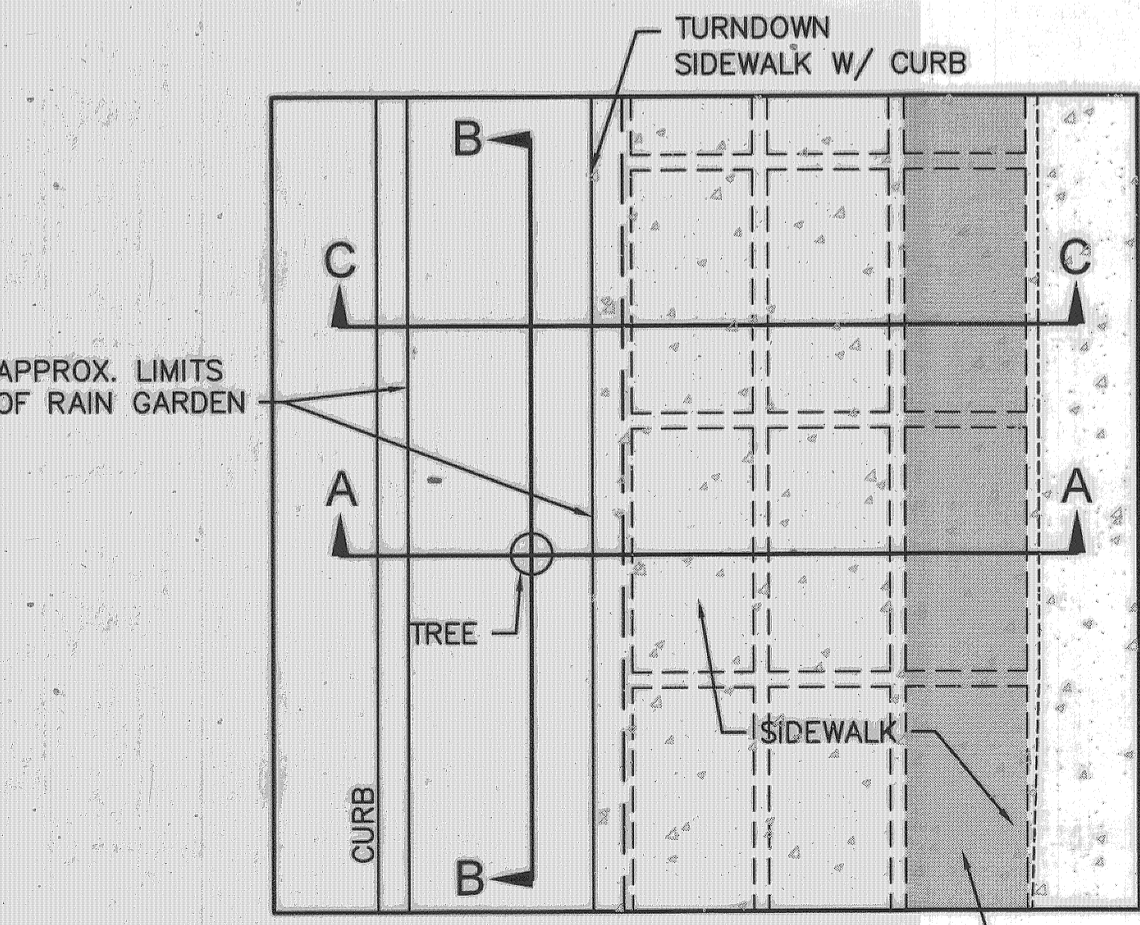
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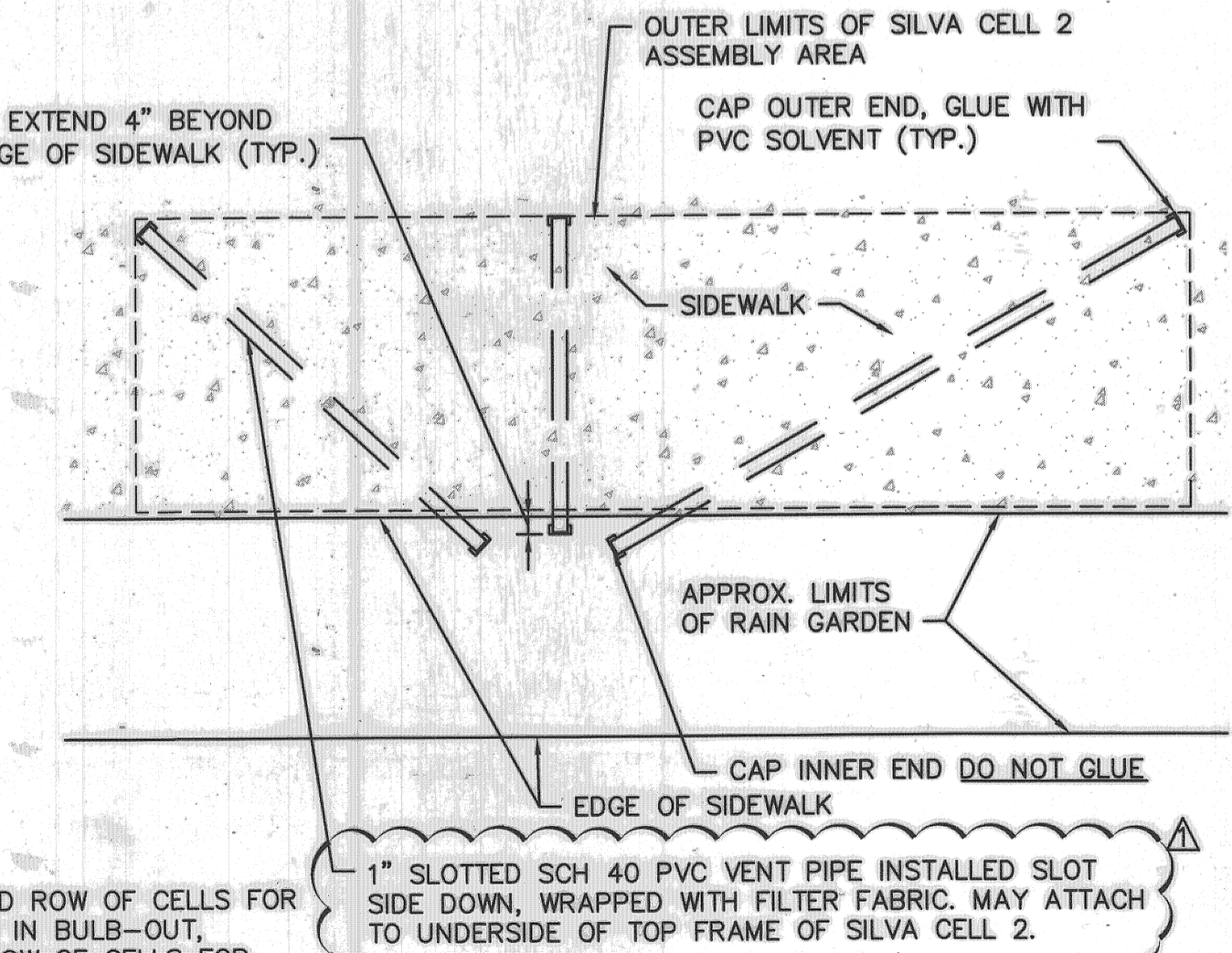
SECTION B-B



SECTION A-A



PLAN



PERFORATED SLEEVING DETAIL

SILVA CELL 2 DETAILS - TREE IN RAIN GARDEN
 SCALE: N.T.S.

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CITY OF
 SPRINGFIELD, MISSOURI
 MAIN AVENUE STREETSCAPE
 PHASE 1

APPROVED BY: *Don Smith* DATE: 12/11/15
 DIRECTOR OF PUBLIC WORKS

SURVEYED BY: OA	DESIGN: JKL	SCALE: 1/8"	SHEET: 10
FIELD DR: _____	DRAWN: JKL	HOR: _____	OF 28 SHEETS
LEVEL BC: _____	CHECKED: KVT	VERT: _____	FILE NO: 2014PW0057T

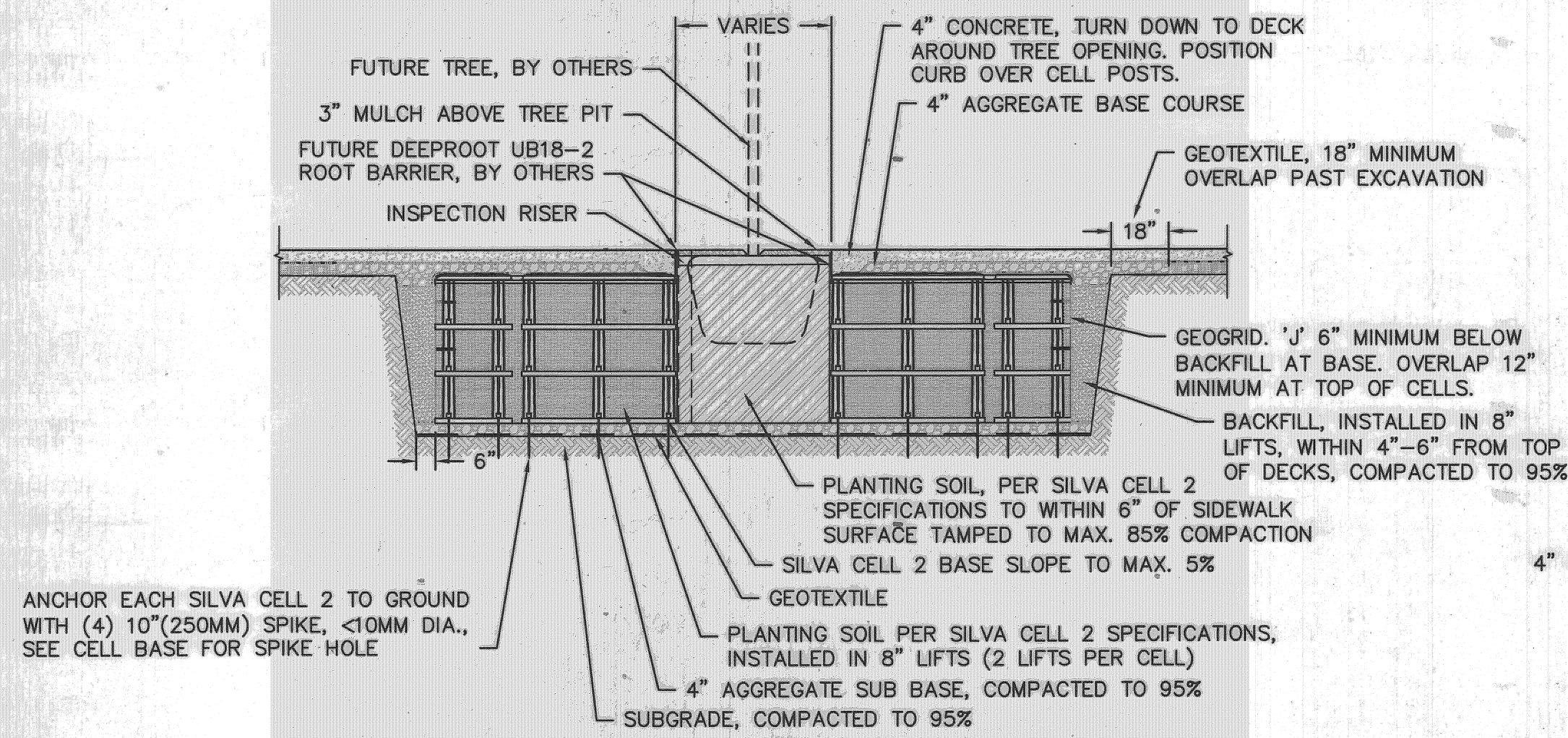
MOLSSON ASSOCIATES
 Olson Associates Engineering - Missouri State Certificate of Authority #001592
 550 St. Louis St.
 Springfield, MO 65806
 TEL: 417.890.8802
 FAX: 417.890.8805
 www.olsonassociates.com

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 Date: 2015.12.11 12:11:15 -0500

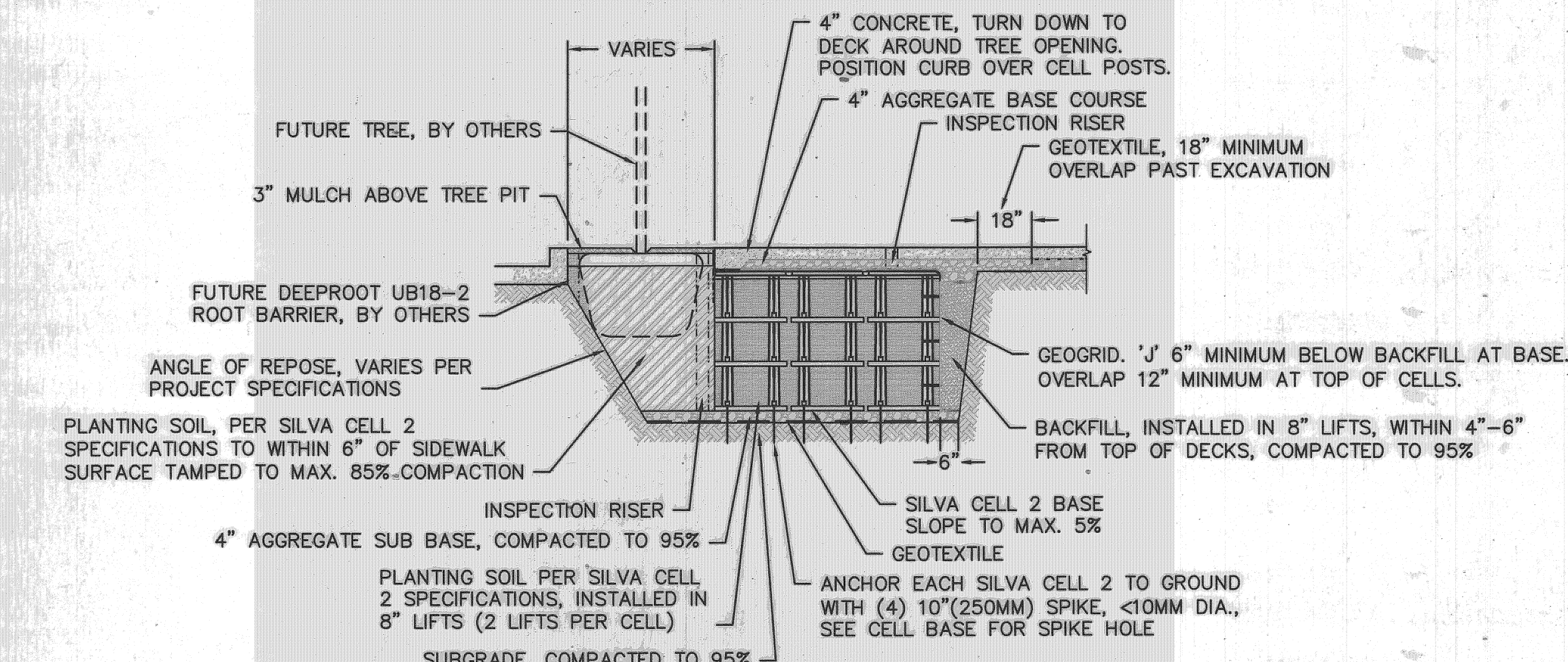
 REID BRENNEN CATT - ENGINEER
 MO# E-2010019516

REV. NO.	DATE	REVISIONS DESCRIPTION
1	12.11.15	ADDENDUM 2

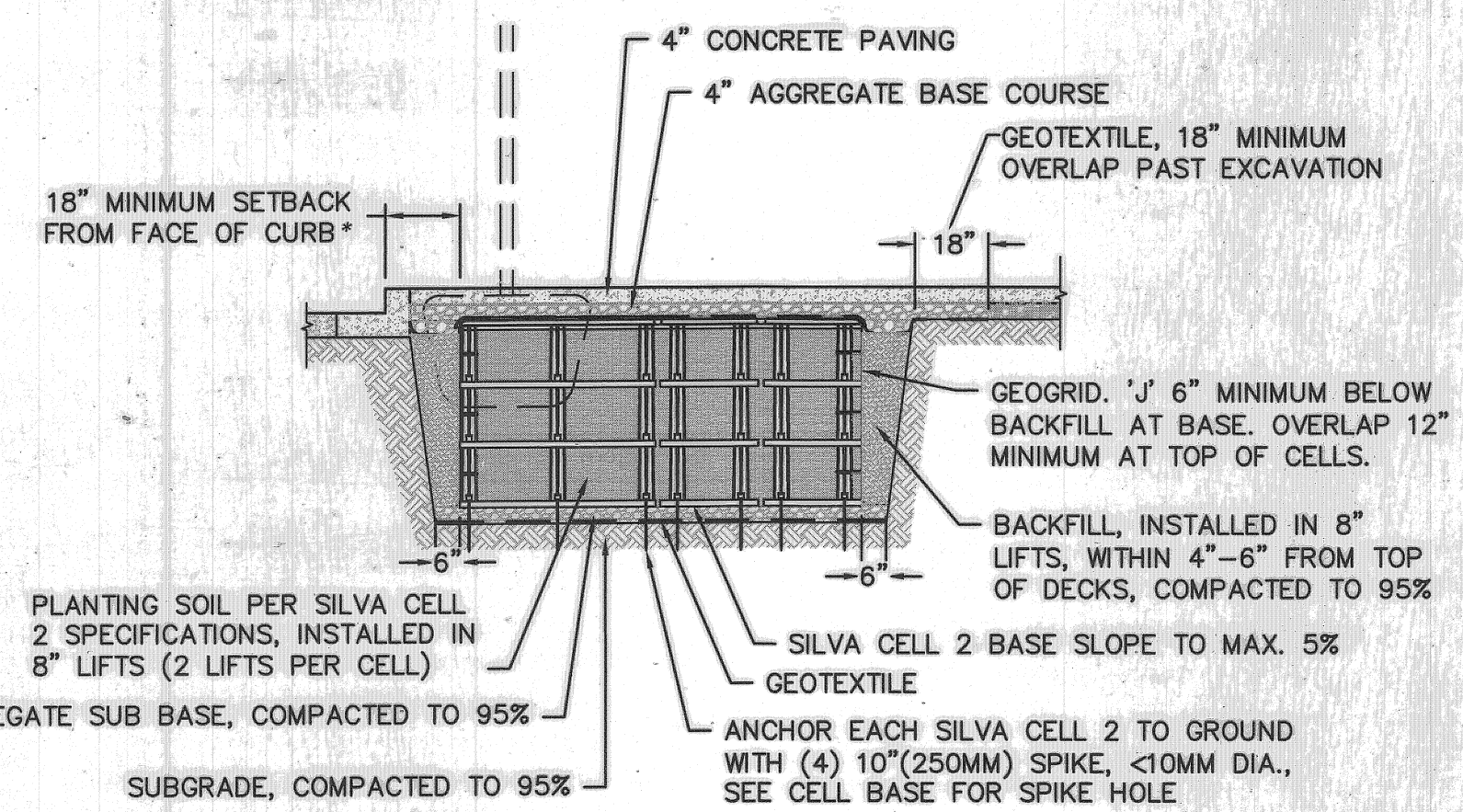
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MAIN AVENUE STREETSCAPE PHASE 1	NO. 2
SPRINGFIELD, MISSOURI	DATE 12/11/15
2015	DESCR. ADDENDUM 2



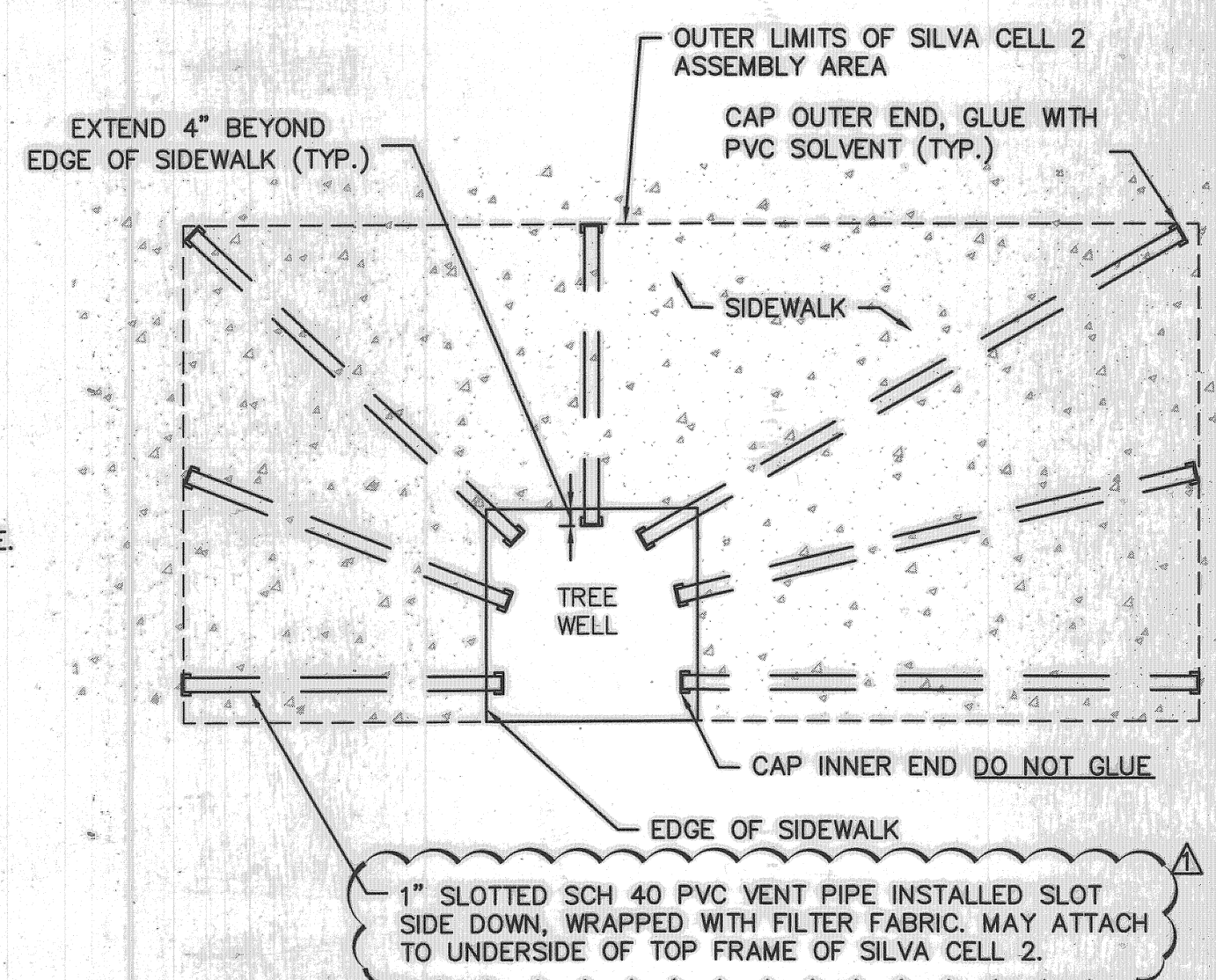
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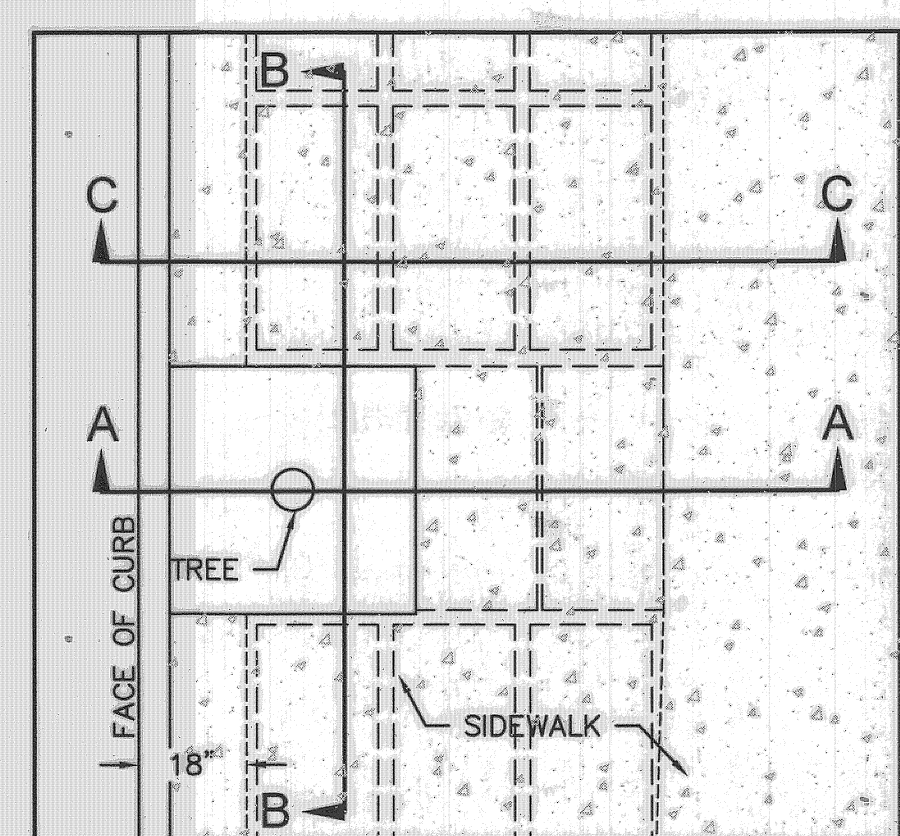
SECTION A-A



SECTION C-C



PERFORATED SLEEVING DETAIL



PLAN

SILVA CELL 2 DETAILS - TREE WELL
 SCALE: N.T.S.

Digitally signed by Reid Catt
 Date: 2015.12.11 15:06:00
 REID BRENNEN CATT
 NUMBER:
 2010019516
 PROFESSIONAL ENGINEER
 REID BRENNEN CATT - ENGINEER
 MO# E-2010019516

REV. NO.	DATE	REVISIONS DESCRIPTION	REV. BY
1	12.11.15	ADDENDUM 2	JKL

SILVA CELL DETAILS
 MAIN AVENUE STREETSCAPE
 PHASE 1
 SPRINGFIELD, MISSOURI
 2015

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 SIGNED: *Janette P...*

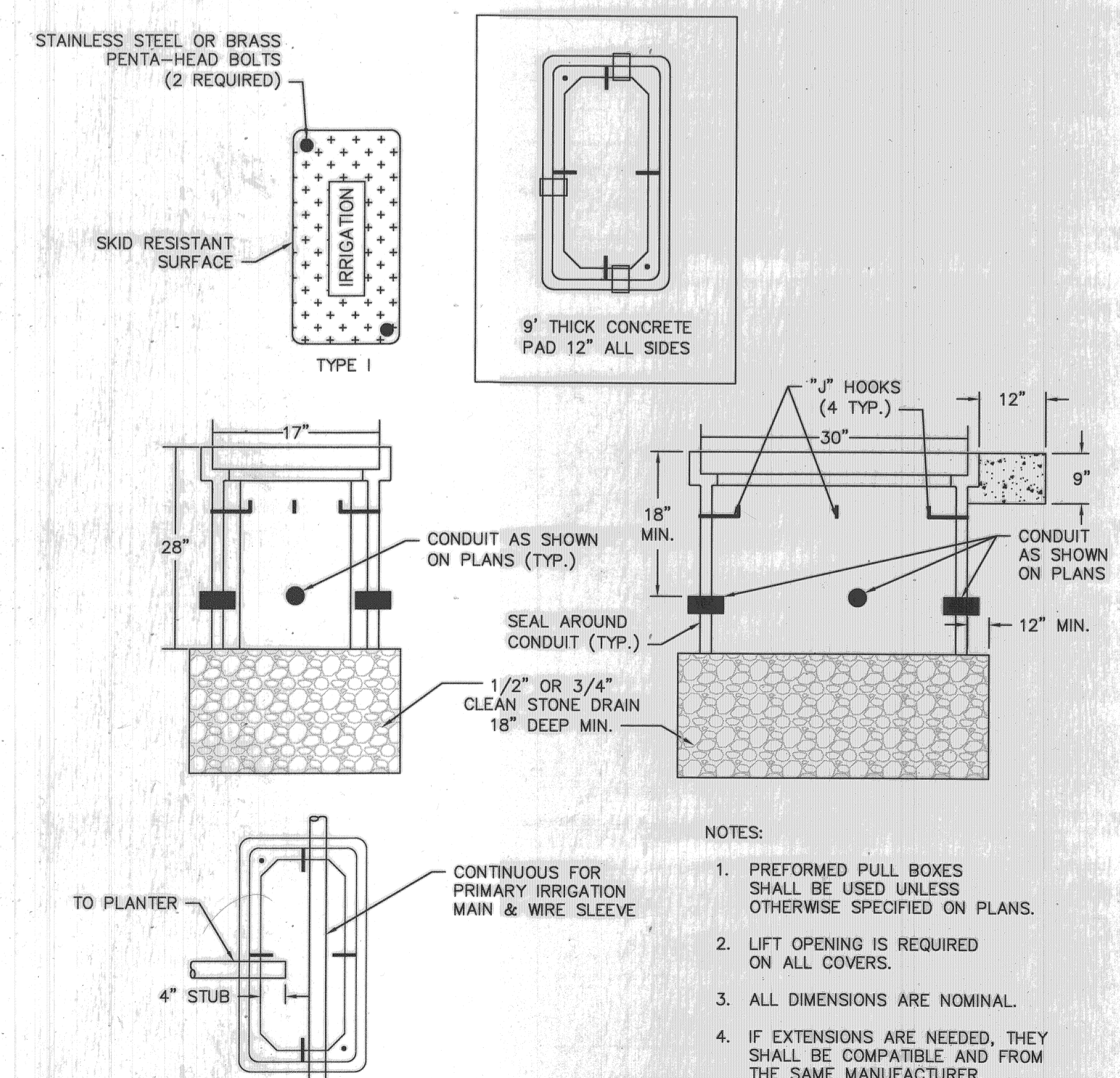
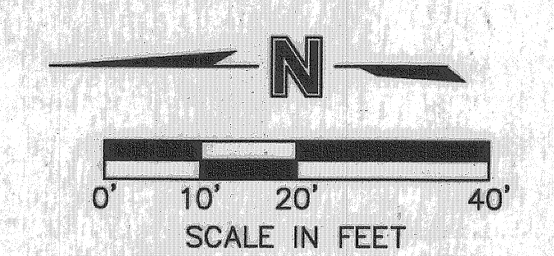
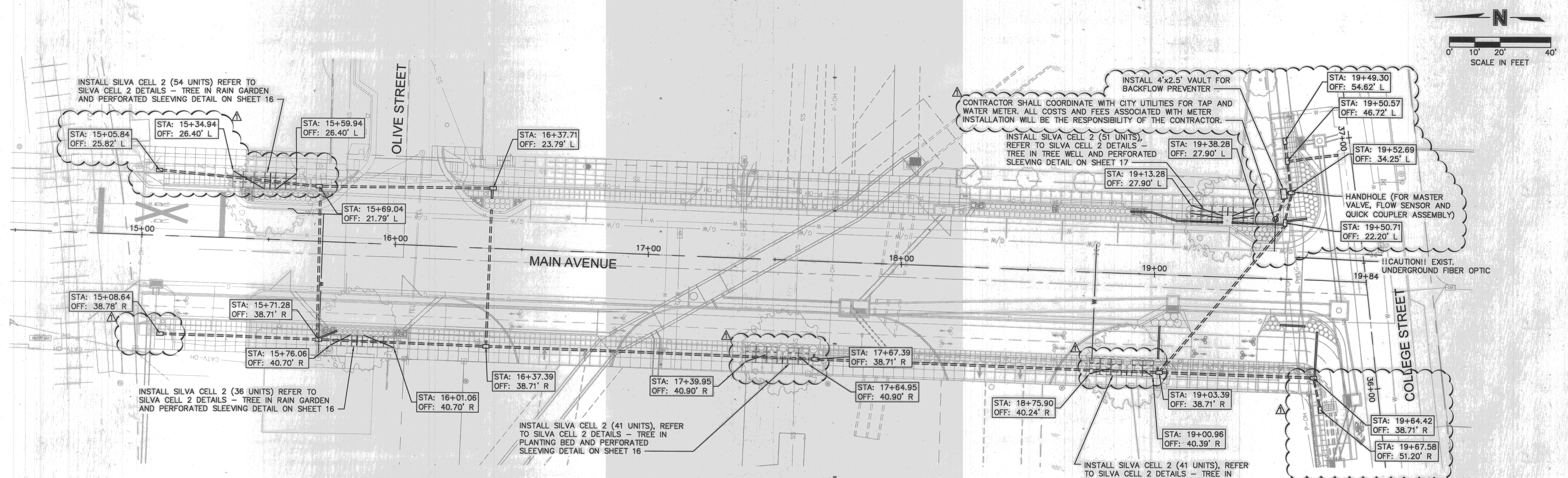
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 checked by: RBC
 approved by: RBC
 project no.: 013-2405
 drawing no.: 132405_DTL5-MS
 date: 07.07.15

CITY OF
SPRINGFIELD, MISSOURI
 MAIN AVENUE STREETSCAPE
 PHASE 1

APPROVED BY: *Dan Smith* DATE: 12/11/15
 DIRECTOR OF PUBLIC WORKS

SURVEYED BY: OA	DESIGN: JKL	SCALE: 1/8" = 1'-0"	SHEET: 17
DRAWN: JKL	CHECKED: KVT	HOR: 1/8" = 1'-0"	OF 28 SHEETS
FILE NO: 2014PW0057T			

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 DATE: Dec 11, 2015 9:18am XREFS: 132405_xbop 132405_PBASE_MAIN 132405_PTBK -Main Streetscape
 USER: Jeek



- NOTES:
1. PREFORMED PULL BOXES SHALL BE USED UNLESS OTHERWISE SPECIFIED ON PLANS.
 2. LIFT OPENING IS REQUIRED ON ALL COVERS.
 3. ALL DIMENSIONS ARE NOMINAL.
 4. IF EXTENSIONS ARE NEEDED, THEY SHALL BE COMPATIBLE AND FROM THE SAME MANUFACTURER.

- LEGEND**
- SLEEVING - (1) 6" & (1) 2" SCHEDULE 40 PVC (TO BE SUPPLIED & INSTALLED BY STREETSCAPE CONTRACTOR W/ TRACER WIRE)
 - SLEEVING - (1) 4" SCHEDULE 40 PVC (TO BE SUPPLIED & INSTALLED BY STREETSCAPE CONTRACTOR W/ TRACER WIRE)
 - SLOTTED SLEEVING - (1) 1" SLOTTED SCHEDULE 40 PVC VENT PIPE (TO BE SUPPLIED & INSTALLED BY STREETSCAPE CONTRACTOR)
 - [Pattern] SILVA CELL 2 ASSEMBLY (TO BE SUPPLIED & INSTALLED BY STREETSCAPE CONTRACTOR) SEE SILVA CELL DETAILS ON SHEETS 16 & 17.
 - [Symbol] HANDHOLE LI-8 TYPE I 17" X 30" (TO BE SUPPLIED & INSTALLED BY STREETSCAPE CONTRACTOR) SEE DETAIL THIS SHEET
 - [Symbol] 2" IRRIGATION METER AND METER PIT (TO BE INSTALLED BY CITY UTILITIES AT THE STREETSCAPE CONTRACTOR'S EXPENSE)

USE MATERIAL INDICATED ABOVE OR EQUAL AS APPROVED BY LANDSCAPE ARCHITECT.

- NOTES:**
1. IRRIGATION SLEEVING TO HAVE 12" MAXIMUM COVER, BACKFILLED WITH ROCK FREE SOIL AND COMPACTED TO 90% OF THE MAXIMUM DENSITY FOR THE MATERIAL USED AS DETERMINED BY ASTM D-698 (STANDARD).
 2. ALL PIPING BENEATH PAVED SURFACES SHALL BE IN SLEEVING.
 3. STREETSCAPE CONTRACTOR IS RESPONSIBLE FOR PARALLEL 2", 4" & 6" SLEEVING WITH TRACER WIRE; USE SCHEDULE 40 PVC FOR SLEEVING.
 4. STREETSCAPE CONTRACTOR IS RESPONSIBLE FOR HANDHOLES PER HANDHOLE DETAIL.
 5. ALL WORK PERFORMED SHALL CONFORM TO APPLICABLE CITY BUILDING AND PLUMBING CODES.
 6. REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT AT 890-8802 FOR IMMEDIATE DECISIONS.
 7. REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 8. THE LINEWORK AND SYMBOLS WITHIN THIS DRAWING ARE A SCHEMATIC REPRESENTATION OF THE WORK TO BE COMPLETED.
 9. STREETSCAPE CONTRACTOR WILL REMOVE EXISTING ELECTRICAL SERVICE AND PROVIDE NEW ELECTRICAL SERVICE TO FUTURE CONTROLLER MOUNTING LOCATION. REFER TO ELECTRICAL PLAN E1.
 10. REFER TO PERFORATED SLEEVING DETAILS ON SHEETS 16 & 17.

MOLSSON ASSOCIATES
 Clean Associates Engineering - Missouri State Certificate of Authority #01562
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 Springfield, MO 65806
 TEL: 417.890.8802
 FAX: 417.890.8805
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Digitally signed by Reid Brennan CATT
 Date: 2015.12.11 15:00:00
 MISSOURI PROFESSIONAL ENGINEER
 REID BRENNEN CATT - ENGINEER
 MO# E-2010019516

REV. NO.	DATE	DESCRIPTION	BY
1	12.11.15	ADDENDUM 2	JKL

IRRIGATION SLEEVING & HANDHOLE PLAN
 MAIN AVENUE STREETSCAPE PHASE 1
 SPRINGFIELD, MISSOURI
 2015

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CITY OF SPRINGFIELD, MISSOURI
MAIN AVENUE STREETSCAPE PHASE 1

APPROVED BY Dan Smith DATE 12/11/15
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SURVEYED BY: OA	DESIGN: JKL	SCALES: 1" = 20'	SHEET: 21
FIELD BK:	DRAWN: JKL	HOR. VERT:	OF 28 SHEETS
LEVEL BK:	CHECKED: KVT	FILE NO: 2014PW00571	