

ADDENDUM #2

Emanuel Cleaver II Boulevard Streetscape Improvements

November 16, 2012

Phase 1 Drawings:

1. **'Sheet D101**

Remove Keynote 8 at the northwest corner of Holmes. (Field adjustments will be made around the existing location in the field to meet requirements of ADA.)

2. **'Sheet D101 (Description Only- Change not shown graphically on sheet)**

Remove Keynote 14 from the plans. The contractor shall provide and install a 36"x36" panel to extend over the existing KCPL manhole at the southeast corner of Cleaver and Charlotte. The surface of this panel shall be compliant to ADAAG requirements. Panel shall weigh no more than 50 pounds and shall be rated for pedestrian traffic loads. The panel shall be secured using tamper resistant fasteners. Contractor shall submit an installation detail and product information to Architect as a submittal. Material and labor costs associated with this item shall be subsidiary to the Residential Concrete Sidewalks.

3. **'Sheet C051 (Description Only- Sheet not re-issued)**

ADD the following note: "NOTE: IF CONTRACTOR DISTURBS MORE THAN 1 ACRE AT ANY ONE TIME OVER THE ENTIRE PROJECT (INCLUDING PHASE 1 AND 2 COMBINED), CONTRACTOR SHALL FURNISH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP)."

4. **Sheet C101**

REVISE driveway layouts.

REVISE legend to reference Parks and Recreation residential concrete sidewalk.

REVISE legend to reference Parks and Recreation residential concrete driveway.

REVISE legend to reference Parks and Recreation C-1 curb.

REVISE legend to reference Parks and Recreation C curb.

REVISE legend to reference Parks and Recreation commercial concrete sidewalk.

REVISE legend to reference Parks and Recreation commercial concrete driveway.

REVISE legend to reference reinforced concrete bus stop.

5. **Sheet C102**

REVISE driveway layouts.

REVISE legend to reference Parks and Recreation residential concrete sidewalk.

REVISE legend to reference Parks and Recreation residential concrete driveway.

REVISE legend to reference Parks and Recreation C-1 curb.

REVISE legend to reference Parks and Recreation commercial concrete sidewalk.

REVISE legend to reference Parks and Recreation commercial concrete driveway.

REVISE legend to reference reinforced concrete bus stop.

REVISE material callouts at NW corner of Cleaver and Troost.

6. Sheet C103

REVISE street sign callouts.

REVISE legend.

7. Sheet C104

REVISE street sign callouts.

REVISE legend.

8. Sheet C201 (Description Only- Sheet not re-issued)

ADD the following Note: "All signage shall be per Manual on Uniform Traffic Control Devices (MUTCD) requirements. Arrow Boards: Refer to MUTCD Section 6F.61 Arrow Boards"

9. Sheet C301

REVISE detail 1: standard residential sidewalk and joint details.

10. Sheet C308

ADD sheet C308.

PHASE 2 DRAWINGS:

1. Cover Sheet (Description Only- Sheet not re-issued)

ADD "C325 Details 5" and "C501 Storm Sewer Plans" to the drawing index.

2. Sheet C061 (Description Only- Sheet not re-issued)

ADD the following note: "NOTE: IF CONTRACTOR DISTURBS MORE THAN 1 ACRE AT ANY ONE TIME OVER THE ENTIRE PROJECT (INCLUDING PHASE 1 AND 2 COMBINED), CONTRACTOR SHALL FURNISH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP)."

3. Sheet C121

REVISE legend to reference Parks and Recreation commercial concrete sidewalk.

REVISE legend to reference Parks and Recreation commercial concrete driveway.

REVISE legend to reference Parks and Recreation C-1 curb.

REVISE legend to reference Parks and Recreation C curb.

REVISE legend to reference KCMO Public Works concrete sidewalk.

REVISE legend to reference reinforced concrete bus stop.

REVISE legend to reference KCMO Public Works concrete driveway.

REVISE Storm Sewer Inlet callout in Legend.

ADD driveway material reference at Forest Avenue.

REVISE concrete crosswalk and bus stop callouts at Cleaver and Troost.

ADD notes showing locations of curbs, sidewalks, and driveways per KCMO public works details south of Cleaver on Troost.

4. Sheet C122

REVISE legend to reference Parks and Recreation commercial concrete sidewalk.
REVISE legend to reference Parks and Recreation commercial concrete driveway.
REVISE legend to reference Parks and Recreation C-1 curb.
REVISE legend to reference Parks and Recreation C curb.
REVISE legend to reference KCMO public works concrete sidewalk.
REVISE legend to reference reinforced concrete bus stop.
REVISE legend to reference KCMO Public Works concrete driveway.
REVISE Storm Sewer Inlet callout in Legend.
ADD callouts for curb inlet extensions.
ADD callouts for concrete crosswalk and concrete bus stop at Tracy Avenue.
ADD callouts for concrete bus stop at The Paseo.
ADD driveway callout near The Paseo.
ADD bus shelter callouts.

5. Sheet C123

REVISE legend to reference Parks and Recreation commercial concrete sidewalk.
REVISE legend to reference Parks and Recreation commercial concrete driveway.
REVISE legend to reference Parks and Recreation C-1 curb.
REVISE legend to reference Parks and Recreation curb.
REVISE legend to reference KCMO Public Works concrete sidewalk.
REVISE legend to reference reinforced concrete bus stop.
REVISE legend to reference KCMO Public Works concrete driveway.
REVISE Storm Sewer Inlet callout in Legend.
ADD notes showing locations of curbs, sidewalks, and driveways per KCMO public works details south of Cleaver on Troost.
ADD bus shelter callouts.

6. Sheet C124

REVISE street sign callouts.
ADD callout for 24" wide white thermoplastic stop bar.

7. Sheet C125

REVISE street sign callouts.
ADD callout for 24" wide white thermoplastic stop bar.

11. Sheet C221 (Description Only- Sheet not re-issued)

ADD the following Note: "All signage shall be per Manual on Uniform Traffic Control Devices (MUTCD) requirements. Arrow Boards: Refer to MUTCD Section 6F.61 Arrow Boards"

12. Sheet C321

REVISE detail 1: standard commercial sidewalk and joint details.

13. Sheet C323 (Description Only- Sheet not re-issued)

REVISE title of detail in upper left corner to read " MODIFICATIONS TO EXISTING STORM STRUCTURES O1, R2, Q1, T1, AND V1 - SECTIONS A-A, B-B, AND STEEL INLET FRAME DETAIL"

14. Sheet C325

ADD sheet C325.

15. Sheet C501

ADD sheet C501.

16. Sheets L101 and L102

Detail references for the bus shelters were corrected.

17. Sheet L201, Details 5 and 6

Graphic representation of storm planter railing height was corrected for clarity.

18. Sheet L202, Detail 7

Bench relocated within shelter to accommodate ADA clear space.

19. Sheet L202, Detail 10

Trash receptacle moved out of shelter and bench relocated within shelter to accommodate ADA clear space.

20. Sheet E101 (Description Only- Sheet not re-issued)

Note 7 shall be deleted, and existing light poles and fixtures SCH0624 and SCH2250 will be removed by others, by way of separate contract.

PROJECT MANUAL

1. Section 000005 Certification Page, Phase 1 Drawings: Add the following

"C308 Details 4"

2. Section 000005 Certification Page, Phase 2 Drawings: Add the following

"C325 Details 5"

"C501 Storm Water Details"

3. Section 000015 List of Drawings:

Replace with new **Section 000015 List of Drawings**

4. Section 00412.1 and 00412.2 Unit Prices: See revised .XLS file

Use only revised sheets with the date of November 15, 2012

5. REVISE Specification section 02280 - Utility Adjustments as follows:

1.5 PAYMENT

A. Method of Measurement: Utility Adjustments will be field measured in-place following their construction.

The pay quantity of Utility Adjustments will be the number of adjustments actually required and installed. Payment will be made for the actual quantities constructed in accordance with the Contract Documents, be they more or less than the listed quantities.

B. Basis of Payment: Payment for accepted Utility Adjustments will be made at the contract unit price per adjustment multiplied by the pay quantity, which shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

6. Section 02740 - Flexible Pavement

REVISE Part 2 - 2.1 - A to state:

A. Shall conform to APWA-KCMO 2205. Mill and Overlay shall be Type 5-01.

REVISE Part 2 - 2.2 - A to state:

A. Recycled or Virgin Asphalt.

7. Section 02770 - Concrete Curbs

REVISE Part 1 - 1.1 - A - 2 to state:

2. Concrete Curb or Curb and Gutter construction shall conform to APWA-KCMO 2209 standard curb detail, Type C-1, and CG-1 where indicated.

ADD Part 1 - 1.1 - A - 5:

5. Concrete Curb or Curb and Gutter construction shall conform to standard Park Details C and C1 where indicated.

8. Section 02775 - Sidewalks Driveways Curb Ramps

REVISE Part 3 - 3.1 - A to state:

A. PCC Sidewalks shall conform to APWA-KCMO 2301 *and Standard Parks Details SC and SR*.

REVISE Part 3 - 3.3 - A to state:

A. PCC Driveways shall conform to APWA-KCMO 2301 *and Standard Parks Details DC and DR*. All the requirements of the Kansas City Metropolitan Chapter of the American Public Works Association, Standard Specification and Design Criteria (APWA) as amended and supplemented by the City of Kansas City Missouri Public Works Department apply, unless otherwise specified.

9. **Section 16520, Add:**

"1.06 RE-ENERGIZING OF EXISTING STREET LIGHTS: The contractor shall coordinate the re-energizing of the existing street lights for Troost Avenue both north and south of the Emanuel Cleaver II Boulevard intersection. This work may include the installation of new conduits and power cables as required. All new required power feeds within the project limits shall be underground, no overhead connections will be permitted within the project limits. This work shall be considered subsidiary to the installation of the permanent lighting systems.

1.07 LIGHTING DURING CONSTRUCTION

1. The contractor shall maintain existing lighting systems as long as possible during the construction project and should make every effort to maintain security level lighting during construction. This work shall be considered subsidiary to the installation of the permanent lighting systems.

CERTIFICATE BY BIDDER/PROPOSER

I acknowledge receipt of this Addendum No. 2 for Project No. **STP-3387(406)**

EMANUEL CLEAVER II BOULEVARD STREETScape IMPROVEMENTS PHASES 1 & 2 and that the bid/proposal is in accordance with the information, instructions, and stipulations set forth herein.

By _____

Company _____

➔ Note: This signed addendum notice must accompany your bid.



LIST OF DRAWINGS

Project Number G70091307

Federal Project Number STP-3387(406)

Project Title Emanuel Cleaver II Boulevard Streetscape
Improvements - Phases 1 & 2

Phase 1

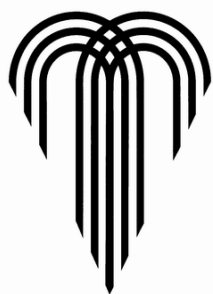
<u>Sheet #</u>	<u>Description</u>
COVER	Project Location and Drawing Index
D101	Demolition Plan-1
D102	Demolition Plan-2
C001	General Layout and Control
C051	Erosion Control Plan
C101	Layout Plan - 1
C102	Layout Plan - 2
C103	Signage and Striping Plan - 1
C104	Signage and Striping Plan - 2
C201	Traffic Control Plan
C301	Details - 1
C302	Details - 2
C303	Details - 3
C304	Ramp Details - 1
C305	Ramp Details - 2
C306	Grading Plan - 1
C307	Grading Plan - 2
C308	Details - 4
C401	Storm Sewer Plans & Profiles
L101	Street Sections
L102	Landscape Enlargement & Details
L103	Landscape Enlargement & Details
L201	Paver Layout
L202	Paver Layout
E001	Electrical Cover Sheet
E101	Electrical Layout - 1
E102	Electrical Layout - 2
E201	Electrical Wiring Diagram - 1
E202	Electrical Wiring Diagram - 2
E301	Electrical Details - 1
E302	Electrical Details - 2
E303	Electrical Details - 3

Phase 2

<u>Sheet #</u>	<u>Description</u>
COVER	Project Location and Drawing Index
D101	Demolition Plan-1
D102	Demolition Plan-2
D103	Demolition Plan-3
C021	General Layout and Control
C061	Erosion Control Plan
C121	Layout Plan - 1
C122	Layout Plan - 2
C123	Layout Plan - 3
C124	Signage and Striping Plan - 1
C125	Signage and Striping Plan - 2
C131	Grading Plan - 1
C132	Grading Plan - 2
C133	Grading Plan - 3
C134	Ramp Details - 1
C135	Ramp Details - 2
C221	Traffic Control Plan
C321	Details - 1
C322	Details - 2
C323	Details - 3
C324	Details - 4
C325	Details - 5
C501	Storm Sewer Plans
L100	Landscape Plans Diagram
L101	Landscape Plan - 1
L102	Landscape Plan - 2
L103	Landscape Plan - 3
L201	Landscape Enlargement & Details
L202	Landscape Enlargement & Details
L203	Street Sections
E001	Electrical Cover Sheet
E101	Electrical Layout - 1
E102	Electrical Layout - 2
E201	Electrical Wiring Diagram - 1
E202	Electrical Wiring Diagram - 2
E203	Electrical Wiring Diagram - 3
E204	Electrical Wiring Diagram - 4
E301	Electrical Details - 1
E302	Electrical Details - 2
E303	Electrical Details - 3

Bidder: _____

CITY OF FOUNTAINS
HEART OF THE NATION



KANSAS CITY
MISSOURI

UNIT PRICES

Project Number : **G70091307**

Federal Project Number: **STP-3387(406)**

Project Title: **EMANUEL CLEAVER II BOULEVARD STREETScape IMPROVEMENTS
PHASE 1 REVISED 11-15-12**

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description:	Unit	Extension
PREPARATION WORK					
MOBILIZATION, SURVEYING					
100	L.S.	1	Mobilization		0.00
101	L.S.	1	Surveying and Construction Staking		0.00
			Mobilization, Surveying Subtotal		0.00
DEMOLITION					
102	S.Y.	1,464	Demolition & Removal of existing Private Pavement/Driveway		0.00
103	S.Y.	1,471	Demolition & Removal of existing Sidewalks		0.00
104	L.F.	2,632	Demolition & Removal of existing Curbs		0.00
105	L.F.	3,407	Saw Cut Existing Pavement		0.00
106	EACH	1	Demolition & Removal of existing Tree		0.00
107	EACH	11	Removal of existing Light Poles		0.00
108	EACH	16	Removal of existing Street Signs		0.00
109	EACH	1	Relocate existing Fire Hydrant		0.00
			Demolition Subtotal		0.00
EROSION CONTROL					
110	EACH	14	Gravel Curb Inlet Sediment Trap		0.00
			Erosion Control Subtotal		0.00
UTILITIES					
111	EACH	20	Manhole /Other Utility Adjustment		0.00
112	EACH	5	Connect to Existing Manhole		0.00
113	EACH	2	Connect Storm Sewer Pipe to Existing		0.00
114	EACH	3	5'x4' Non-Setback Curb Inlet Type CI-2		0.00

Bidder: _____

115	EACH	8	5'x3' Non-Setback Curb Inlet Type CI-2		0.00
116	L.F.	22	15" RCP Class III		0.00
117	L.F.	190	24" RCP Class III		0.00
118	L.F.	51	12" PVC SDR-26		0.00
119	EACH	2	12" Drain Inlet		0.00
120	L.F.	27	4" Perforated PVC SDR-35		0.00
121	EACH	2	Cleanout		0.00
			Utilities Subtotal		0.00

ROADWAY

122	S.Y.	366	Full Depth Pavement Repair		0.00
123	L.F.	2,596	Type C1 Concrete Curb and Gutter		0.00
124	L.F.	314	Type C Concrete Curb		0.00
125	S.F.	12,690	Residential Concrete Sidewalk Type SR		0.00
126	S.F.	1,610	Commercial Concrete Sidewalk Type SC		0.00
127	S.F.	21	PCC Stair at NW corner of Troost		0.00
128	L.F.	28	PCC Transition Step at NW corner of Troost		0.00
129	S.F.	1,657	PCC Curb Ramps		0.00
130	S.F.	1,109	Residential Concrete Driveway Type DR		0.00
131	S.F.	780	Residential Concrete Driveway Type DC		0.00
132	S.F.	600	Reinforce Concrete Bus Stop		0.00
133	S.F.	364	ADAAG Compliant Tactile Pavers @ Crossings		0.00
134	S.Y.	20,300	2 Inch Depth Cold mill and Overlay		0.00
			Roadway Subtotal		0.00

SIGN/STRIPE/SIGNAL/LIGHTING

TRAFFIC CONTROL

135	EACH	11	Temporary Sign: W20-1		0.00
136	EACH	11	Temporary Sign: G20-2		0.00
137	EACH	2	Temporary Sign: W9-2		0.00
138	EACH	2	Temporary Sign: R3-7		0.00
139	EACH	2	Temporary Sign: ELECTRONIC ARROW BOARD- 48"X24"		0.00
140	EACH	60	Temporary Sign: CHANNELIZATION DEVICES		0.00
			Traffic Control Subtotal		0.00

PAVEMENT MARKING & SIGNAGE

Bidder: _____

141	EACH	4	Pavement Marking-Thermoplastic Directional Arrows		0.00
142	L.F.	295	Pavement Marking- 6" wide-Single White Thermoplastic		0.00
143	L.F.	1,555	Pavement Marking- 4" wide-Double Yellow Thermoplastic		0.00
144	L.F.	711	Pavement Marking- 4" wide-Single White Broken Thermoplastic		0.00
145	L.F.	64	Pavement Marking- 24" wide White Thermoplastic Crosswalk Bar		0.00
146	EACH	2	Signage- "Boulevard / No Trucks"		0.00
147	EACH	9	Signage- W16-1P : Share the Road" sign		0.00
148	EACH	2	Signage- R7-4 "No Standing or Parking Double Arrow"		0.00
149	EACH	14	Signage - R7-1 "No Parking"		0.00
150	EACH	2	Signage - R7-203 "EMERGENCY SNOW ROUTE"		0.00
151	EACH	2	Signage - Relocate Existing Plaza District Sign		0.00
152	EACH	6	Signage - R1-1 "Stop" sign		0.00
153	EACH	6	Signage - "Cleaver II Blvd." Street Name sign		0.00
154	EACH	2	Signage - "Holmes St." Street Name sign		0.00
155	EACH	1	Signage - "Charlotte St." Street Name sign		0.00
156	EACH	2	Signage - "Campbell St." Street Name sign		0.00
157	EACH	1	Signage - "Harrison St." Street Name sign		0.00
158	EACH	5	Signage - Metro Sign and Plaque		0.00
159	EACH	1	Signage - R2-1 "SPEED LIMIT 30"		0.00
160	EACH	1	Signage - R5-1 "DO NOT ENTER"		0.00
161	EACH	1	Signage - R3-2 "NO LEFT TURN"		0.00
162	EACH	11	SIGN POLE (SQUARE CHANNEL & BREAKAWAY)		0.00
			Pavement Marking & Signing Subtotal		0.00
ELECTRICAL					
163	EACH	2	Circuit Lighting Controller (30A breaker)		0.00
164	EACH	6,059	Trenching and Backfill		0.00
165	EACH	13	Fixture with 35 foot pole and helix base		0.00
166	EACH	20	LED Pedestrian Fixture with 14 foot pole and screw in base		0.00
167	EACH	33	Fused Connector Kits		0.00
168	L.F.	15	In-grade junction box		0.00
169	L.F.	6,059	2" C PVC Schedule 40		0.00
170	L.F.	5,668	#4 RHM/RHW/USE Copper		0.00
171	L.F.	2,834	#6 Ground		0.00

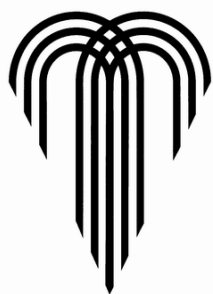
Bidder: _____

172	L.F.	5,980	#8 RHM/RHW/USE Copper		0.00
173	L.F.	2,990	#8 Ground		0.00
174	L.F.	2,205	#10 RHM/RHW/USE Copper		0.00
			Electrical Subtotal		0.00
LANDSCAPING/STREETSCAPING					
175	EACH	2	Storm Planter Excavation/Proposed Eng. Soil		0.00
176	S.Y.	622	Turf sod		0.00
177	EACH	2	Trees		0.00
178	EACH	16	Shrubs		0.00
179	EACH	2	Storm Planter Inlet and Forebay (Each Set)		0.00
180	L.F.	80	Storm Planter Railing		0.00
181	L.F.	28	Ornamental Railing		0.00
182	L.F.	8	Stair Handrails		0.00
183	EACH	1	Trash Receptacles		0.00
184	L.F.	80	Storm Planter Wall		0.00
185	EACH	44	Installed Street Name Tiles (each street name)		0.00
186	SF	800	Repairs to existing stone wall		0.00
			Landscaping/Streetscaping Subtotal		0.00
			PHASE 1 BASE BID TOTAL		0.00

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.

Bidder: _____

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Project Number : **G70091307**

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PHASE 2 REVISED 11-15-12**

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description:	Unit	Extension
PREPARATION WORK					
MOBILIZATION, SURVEYING					
200	L.S.	1	Mobilization		0.00
201	L.S.	1	Surveying and Construction Staking		0.00
			Mobilization, Surveying Subtotal		0.00
DEMOLITION					
202	S.Y.	3,319	Demolition & Removal of existing Pavement/Driveway		0.00
203	S.Y.	3,009	Demolition & Removal of existing Sidewalks		0.00
204	L.F.	3,362	Demolition & Removal of existing Curbs		0.00
205	L.F.	4,329	Saw Cut Existing Pavement		0.00
206	EACH	14	Demolition & Removal of existing Trees		0.00
207	SF	60	Shrub Bed Removal		0.00
208	EACH	24	Removal of Existing Street Lights		0.00
209	EACH	6	Removal of Existing Parking Lot Lights		0.00
210	EACH	4	Removal of Existing Street Signs		0.00
211	EACH	3	Relocate Existing Fire Hydrant		0.00
212	EACH	1	Apple Market Sign Removal		0.00
213	LS	1	Removal of existing pavement and bollards at the bus stop at the SW corner of Cleaver and Troost		0.00
214	CY	150	Flowable Fill to Restore Subgrade		0.00
			Demolition Subtotal		0.00
EROSION					
215	EACH	21	Gravel Curb Inlet Sediment Trap		0.00
			Erosion Subtotal		0.00

Bidder: _____

UTILITIES					
216	EACH	18	Manhole /Other Utility Adjustment		0.00
217	EACH	7	Connect to Existing Manhole		0.00
218	EACH	5	Connect Storm Sewer to Existing Pipe		0.00
219	EACH	2	4'x4' Grate Inlet Type GI-1		0.00
220	EACH	1	2'x2'-3" Grate Inlet Type GI-1		0.00
221	EACH	1	5'x3' Setback Curb Inlet Type CI-1		0.00
222	EACH	3	5'x3' Non-Setback Curb Inlet Type CI-2		0.00
223	L.F.	22	12" RCP Class III		
224	L.F.	42	15" RCP Class III		0.00
225	L.F.	27	24" RCP Class III		0.00
226	L.F.	282	12" PVC SDR-26		0.00
227	EACH	9	Cleanout		0.00
228	EACH	1	Curb Inlet Extension T1		0.00
229	EACH	1	Curb Inlet Extension V1		0.00
230	EACH	1	Curb Inlet Extension R2		0.00
231	EACH	1	Curb Inlet Extension Q1		0.00
232	EACH	1	Curb Inlet Extension O1		0.00
			Utilities Subtotal		0.00
ROADWAY					
233	S.Y.	180	Full Depth Pavement Repair		0.00
234	L.F.	2,480	Type C1 Concrete Curb and Gutter		0.00
235	L.F.	310	Type C Concrete Curb		0.00
236	L.F.	300	Concrete Curb and Gutter (KCMO Public Works CG-1)		0.00
237	L.F.	70	Concrete Curb (KCMO Public Works C-1)		0.00
238	S.F	15,492	Commercial Concrete Sidewalk Type SC		0.00
239	S.F	2,695	PCC Sidewalks (KCMO Public Works)		0.00
240	S.F	4,636	PCC Curb Ramps		0.00
241	S.F	5,612	Commercial Concrete Driveway Type DC		0.00
242	S.F	1,128	Concrete Driveway (KCMO Public Works Detail D-2)		0.00
243	S.F	2,450	Colored Crosswalks		0.00
244	S.F	350	ADAAG Compliant Tactile Pavers @ Crossings		0.00

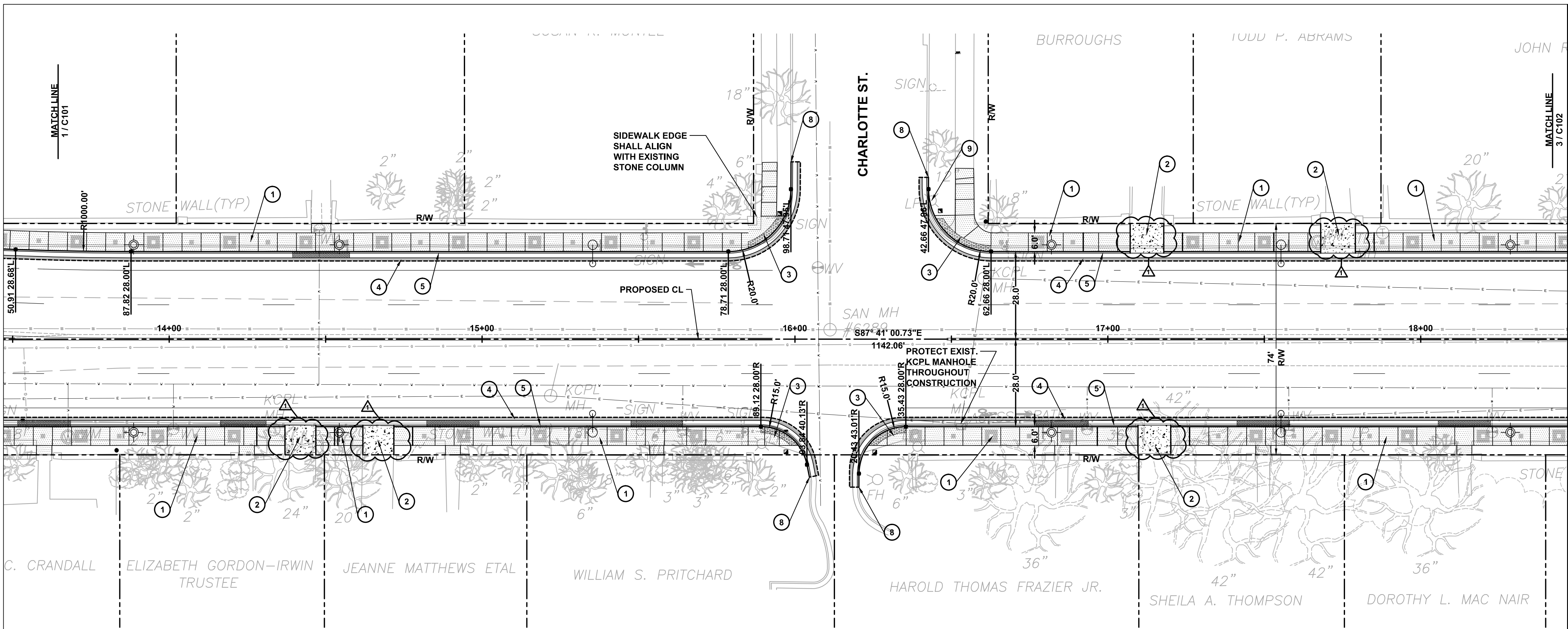
Bidder: _____

245	S.Y.	530	2" Cold Mill and Asphalt Overlay on Troost		0.00
			Roadway Subtotal		0.00
SIGN/STRIPE/SIGNAL/LIGHTING					
TRAFFIC CONTROL					
246	EACH	11	Temporary Sign: W20-1		0.00
247	EACH	11	Temporary Sign: G20-2		0.00
248	EACH	2	Temporary Sign: W9-2		0.00
249	EACH	2	Temporary Sign: R3-7		0.00
250	EACH	2	Temporary Sign: ARROW BOARD- 48"X24"		0.00
251	EACH	50	Temporary Sign: CHANNELIZATION DEVICES		0.00
			Traffic Control Subtotal		0.00
PAVEMENT MARKING & SIGNING					
252	EACH	5	Pavement Marking-Thermoplastic Directional Arrows		0.00
253	L.F.	1,837	Pavement Marking- 6" wide-Single White Thermoplastic		0.00
254	L.F.	595	Pavement Marking- 6" wide-Broken White Thermoplastic		0.00
255	L.F.	864	Pavement Marking- 4" wide-Double Yellow Thermoplastic		0.00
256	L.F.	385	Pavement Marking- 24" wide White Thermoplastic Crosswalk Bar		0.00
257	EACH	9	Pavement Marking- Bicyclist and Arrow		0.00
258	EACH	10	Signage- R3-17 Bike Lane sign		0.00
259	EACH	2	Signage- R3-17B "Ends" sign		0.00
260	EACH	1	Signage- "Boulevard/No Trucks" sign		0.00
261	EACH	1	Signage-W16-1P "Share the Road" sign		0.00
262	EACH	16	Signage - R7-1 "No Parking"		0.00
263	EACH	2	Signage - R7-203 "EMERGENCY SNOW ROUTE"		0.00
264	EACH	6	Signage - R1-1 "Stop" sign		0.00
265	EACH	5	Signage - "Cleaver II Blvd." Street Name sign		0.00
266	EACH	1	Signage - "Forest Ave." Street Name sign		0.00
267	EACH	2	Signage - "Tracy Ave." Street Name sign		0.00
268	EACH	2	Signage - "Virginia Ave." Street Name sign		0.00
269	EACH	2	Signage - R2-1 "SPEED LIMIT 30"		0.00
270	EACH	1	Signage - R4-7 "KEEP RIGHT"		0.00
271	EACH	1	Signage - TYPE 3 (OMI-3) OBJECT MARKER		0.00

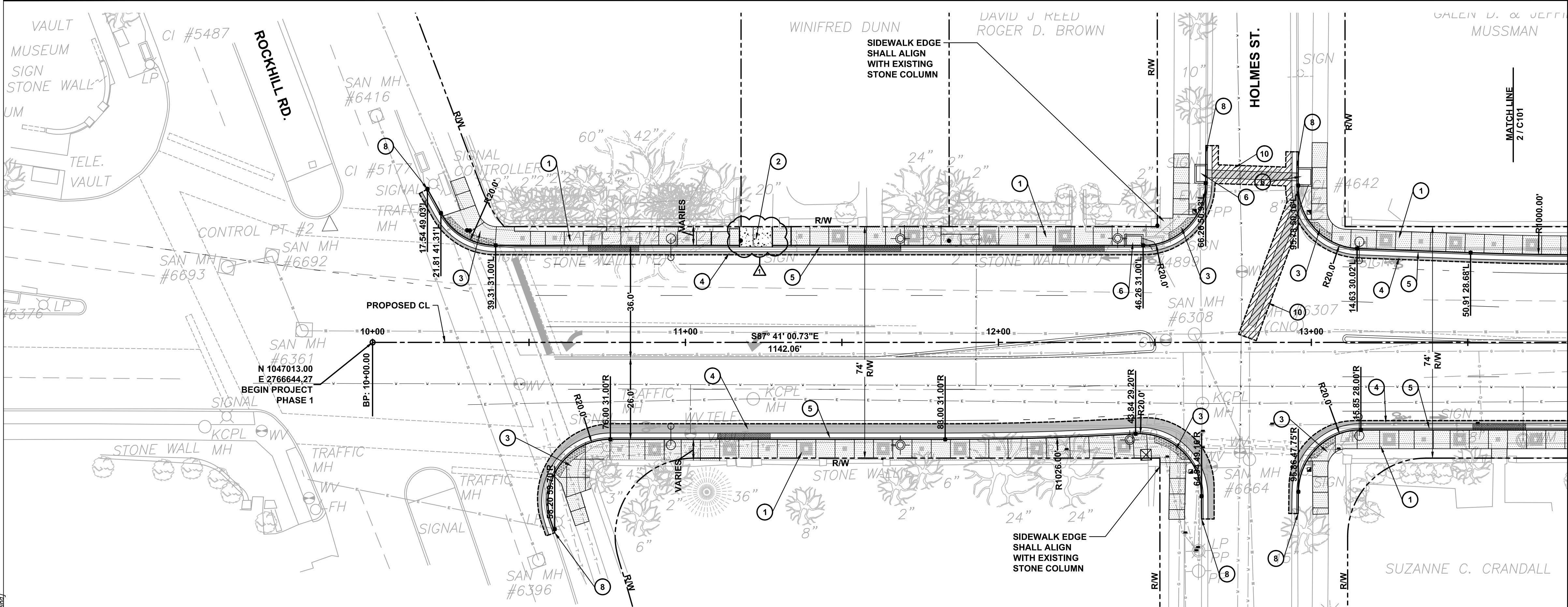
Bidder: _____

272	EACH	11	SIGN POLE (SQUARE CHANNEL & BREAKAWAY)		0.00
			Pavement Marking & Signing Subtotal		0.00
ELECTRICAL					
273	EACH	2	Circuit Lighting Controller (30A breaker)		0.00
274	EACH	5,755	Trenching and Backfill		0.00
275	EACH	14	Fixture with 35 foot pole and helix base		0.00
276	EACH	26	Pedestrian Fixture with 14 foot pole and screw in base		0.00
277	EACH	82	Fused Connector Kits		0.00
278	L.F.	14	In-grade junction box		0.00
279	L.F.	5,755	2" C PVC Schedule 40		0.00
280	L.F.	5,522	#4 RHM/RHW/USE Copper		0.00
281	L.F.	2,761	#6 Ground		0.00
282	L.F.	6,000	#8 RHM/RHW/USE Copper		0.00
283	L.F.	3,000	#8 Ground		0.00
284	L.F.	2,864	#10 RHM/RHW/USE Copper		0.00
			Electrical Subtotal		0.00
LANDSCAPING/STREETSCAPING					
285	S.Y.	2,738	Turf sod		0.00
286	EACH	38	Shade Trees		0.00
287	EACH	36	Ornamental Trees		0.00
288	EACH	31	Shrubs		0.00
289	L.F.	94	Ornamental Railing		0.00
290	S.F	2,600	PCC Driveway for Bus Stops (KCATA FUNDED)		0.00
291	EACH	1	Bus Shelter - 15 ft model (KCATA FUNDED)		0.00
292	EACH	2	Bus Shelter - 10 ft model (KCATA FUNDED)		0.00
293	EACH	2	Bus Shelter Bollards (KCATA FUNDED)		0.00
294	EACH	2	Bus Shelter 4' Benches (KCATA FUNDED)		0.00
295	EACH	2	Bus Shelter 6' Benches (KCATA FUNDED)		0.00
296	EACH	1	Bus Shelter Trash Receptacles (KCATA FUNDED)		0.00
			Landscaping/Streetscaping Subtotal		0.00
			PHASE 2 BASE BID TOTAL		0.00

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2 CHARLOTTE STREET - STA. 13 + 70 TO STA. 18 + 40



1 ROCKHILL - HOLMES - STA. 10 + 00 TO STA. 13 + 70

LEGEND

EXISTING RIGHT-OF-WAY

1 RESIDENTIAL CONCRETE SIDEWALK. WIDTH VARIES. RE: 1 / C301

2 RESIDENTIAL CONCRETE DRIVEWAY RE: 5 / C308

3 CURB RAMP

4 PAVEMENT PATCH

5 STREET CUT RESTORATION

6 TYPE C1 CONCRETE CURB AND GUTTER RE: 2 / C308

7 NON-SETBACK CURB INLET TYPE CI-2 PER KCMO STDS.

8 TYPE C CONCRETE CURB RE: 3 / C308

9 DETECTABLE WARNING PER DETAIL SHEET

10 MATCH EXIST. CURB

11 BRACE EXIST. LIGHT POLE

12 TRAFFIC SIGNAL INSTALLED UNDER A SEPARATE CONTRACT BY KCMO

13 PEDESTRIAN LIGHT POLE

14 STREETLIGHT POLE

15 VARYING HEIGHT CURB RE: C306 AND C307

16 ALTERNATE 1: PAVER INLAY TYPE A (TYP.) RE: LANDSCAPE PLANS

17 ALTERNATE 1: PAVER INLAY TYPE B (TYP.) RE: LANDSCAPE PLANS

18 ALTERNATE 1: PAVER INLAY TYPE C (TYP.) RE: LANDSCAPE PLANS

19 COMMERCIAL CONCRETE DRIVEWAY RE: 4 / C308

20 REINFORCED CONCRETE BUS STOP RE: 6 / C308

21 COMMERCIAL CONCRETE SIDEWALK. WIDTH VARIES. RE: 1 / C308

11/13/12

ADDENDUM 2

STATE OF MISSOURI

SASSAN MAHOBIAN

REGISTERED PROFESSIONAL ENGINEER

E-200661

KANSAS CITY, MO PARKS & RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD STREETSCAPE IMPROVEMENTS (ROCKHILL RD TO TROOST) PROJECT NO. 070091308 LAYOUT PLAN - 1

INTEGRATING NATURE AND ARCHITECTURE

BOWMAN BOWMAN NOVICK, INC.

411 NICHOLS RD. SUITE #246 KANSAS CITY, MO 64112

PROJECT: CLEAVER II BLVD. STREETSCAPE

DATE: 7/20/12

JOB NO.: G70091307/STP-3387 (406)

SHEET NO.

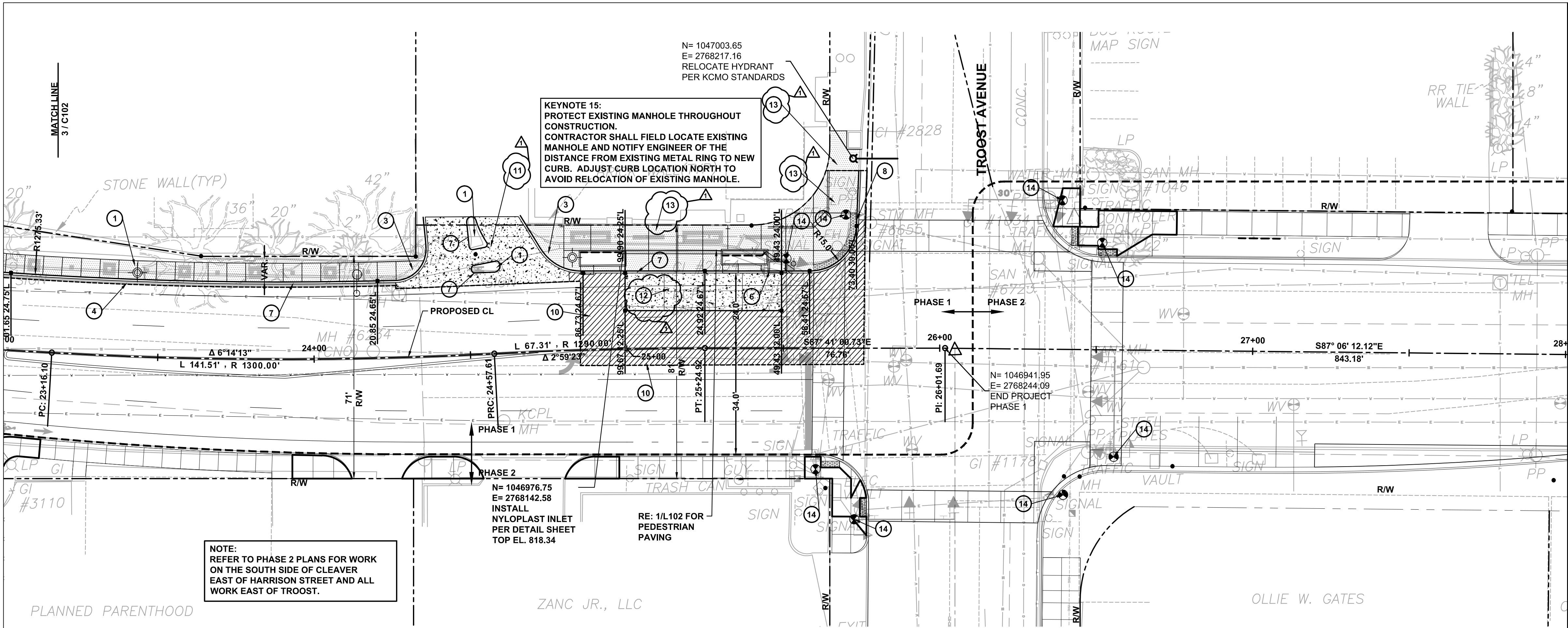
C101

DATE

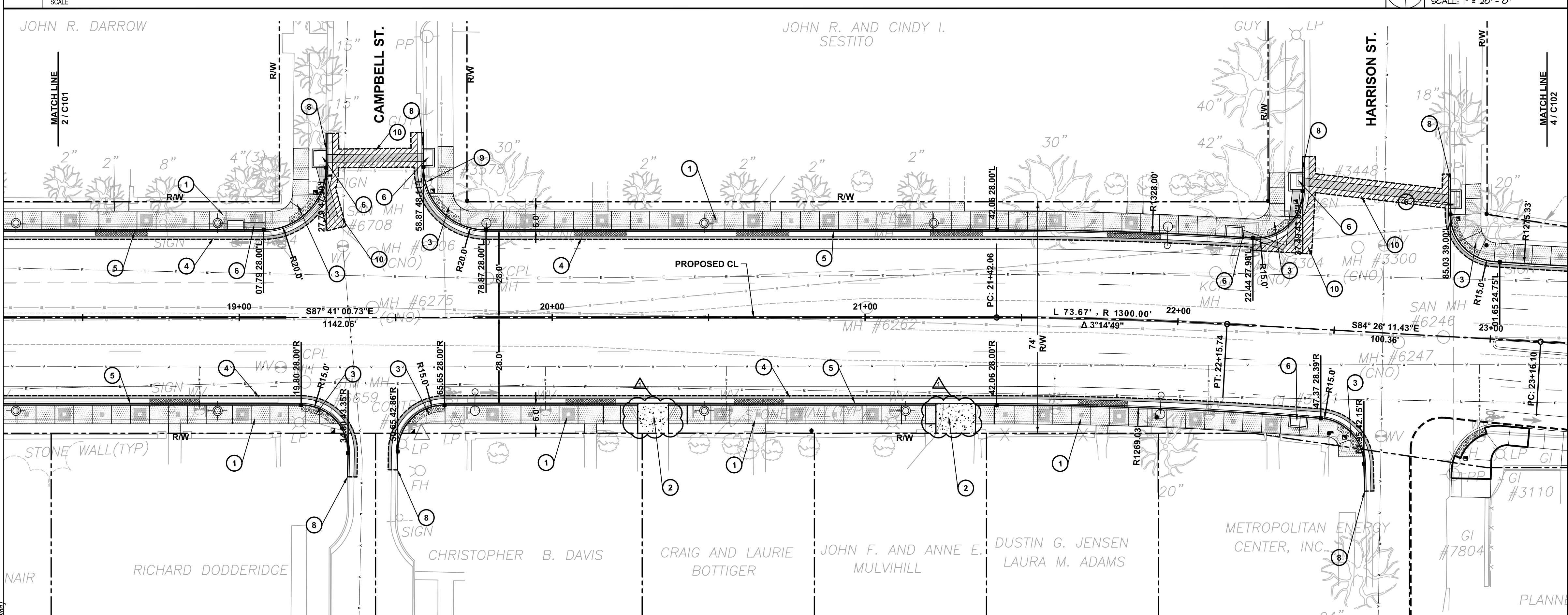
REVISIONS

NO.

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4 TROOST AVENUE - STA. 23 + 00 TO STA. 26 + 00



3 CAMPBELL - HARRISON STREET - STA. 18 + 40 TO STA. 23 + 00

LEGEND

EXISTING RIGHT-OF-WAY

1 RESIDENTIAL CONCRETE SIDEWALK. WIDTH VARIES. RE: 1 / C301

2 RESIDENTIAL CONCRETE DRIVEWAY RE: 5 / C308

3 CURB RAMP

4 PAVEMENT PATCH

10 STREET CUT RESTORATION

5 TYPE C1 CONCRETE CURB AND GUTTER RE: 2 / C308

6 NON-SETBACK CURB INLET TYPE C1-2 PER KCMO STDS.

7 TYPE C CONCRETE CURB RE: 3 / C308

DETECTABLE WARNING PER DETAIL SHEET

8 MATCH EXIST. CURB

9 BRACE EXIST. LIGHT POLE

14 TRAFFIC SIGNAL INSTALLED UNDER A SEPARATE CONTRACT BY KCMO

PEDESTRIAN LIGHT POLE

STREETLIGHT POLE

VARYING HEIGHT CURB RE: C306 AND C307

ALTERNATE 1: PAVEMENT INLAY TYPE A (TYP.) RE: LANDSCAPE PLANS

ALTERNATE 1: PAVEMENT INLAY TYPE B (TYP.) RE: LANDSCAPE PLANS

ALTERNATE 1: PAVEMENT INLAY TYPE C (TYP.) RE: LANDSCAPE PLANS

11 COMMERCIAL CONCRETE DRIVEWAY RE: 4 / C308

12 REINFORCED CONCRETE BUS STOP RE: 6 / C308

13 COMMERCIAL CONCRETE SIDEWALK. WIDTH VARIES. RE: 1 / C308

11/13/12

ADDENDUM 2

NO.

REVISIONS

DATE

STATE OF MISSOURI

SASSAN MAHOBIAN

REGISTERED PROFESSIONAL ENGINEER

E-20061

KANSAS CITY, MO PARKS & RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD STREETSCAPE IMPROVEMENTS (ROCKHILL RD TO TROOST) PROJECT NO. 070091308 LAYOUT PLAN - 2

INTEGRATING NATURE AND ARCHITECTURE

BOWMAN BOWMAN NOVICK, INC.

411 NICHOLS RD. SUITE #246 KANSAS CITY, MO 64112

PROJECT: CLEAVER II BLVD. STREETSCAPE

DATE: 7/20/12

JOB NO.: G70091307/STP-3387 (406)

SHEET NO.

C102

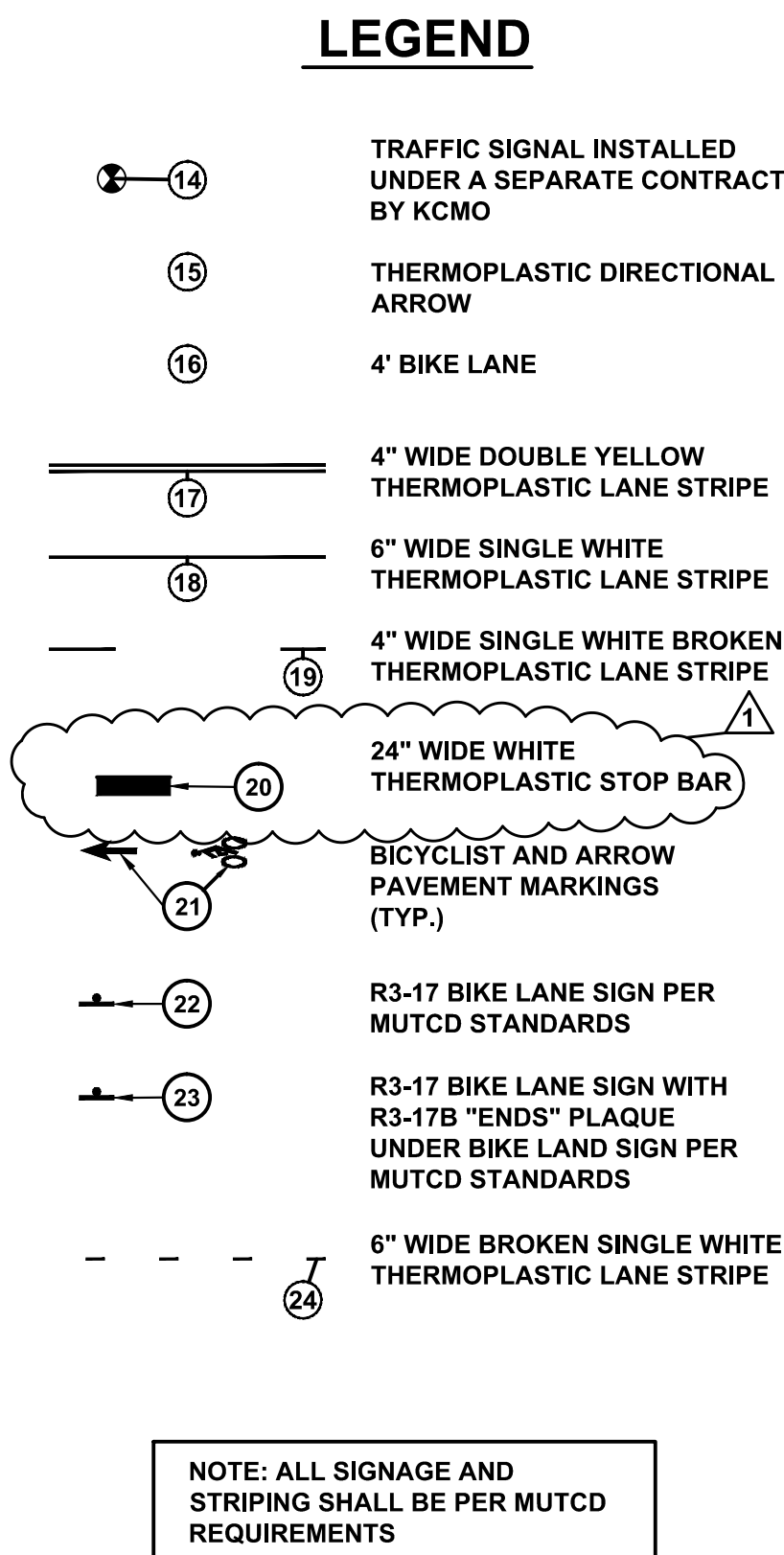
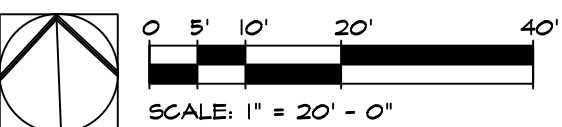


Diagram illustrating the construction of a perspective view of a circle. The diagram shows a square divided into four quadrants by a vertical centerline and a horizontal line representing the ground line. The top half of the circle is constructed by drawing arcs from points on the ground line (0, 5', 10', 20', 40') to the top corner of the square. A scale bar below indicates 1 inch equals 20 feet.



SCALE

[illegible]

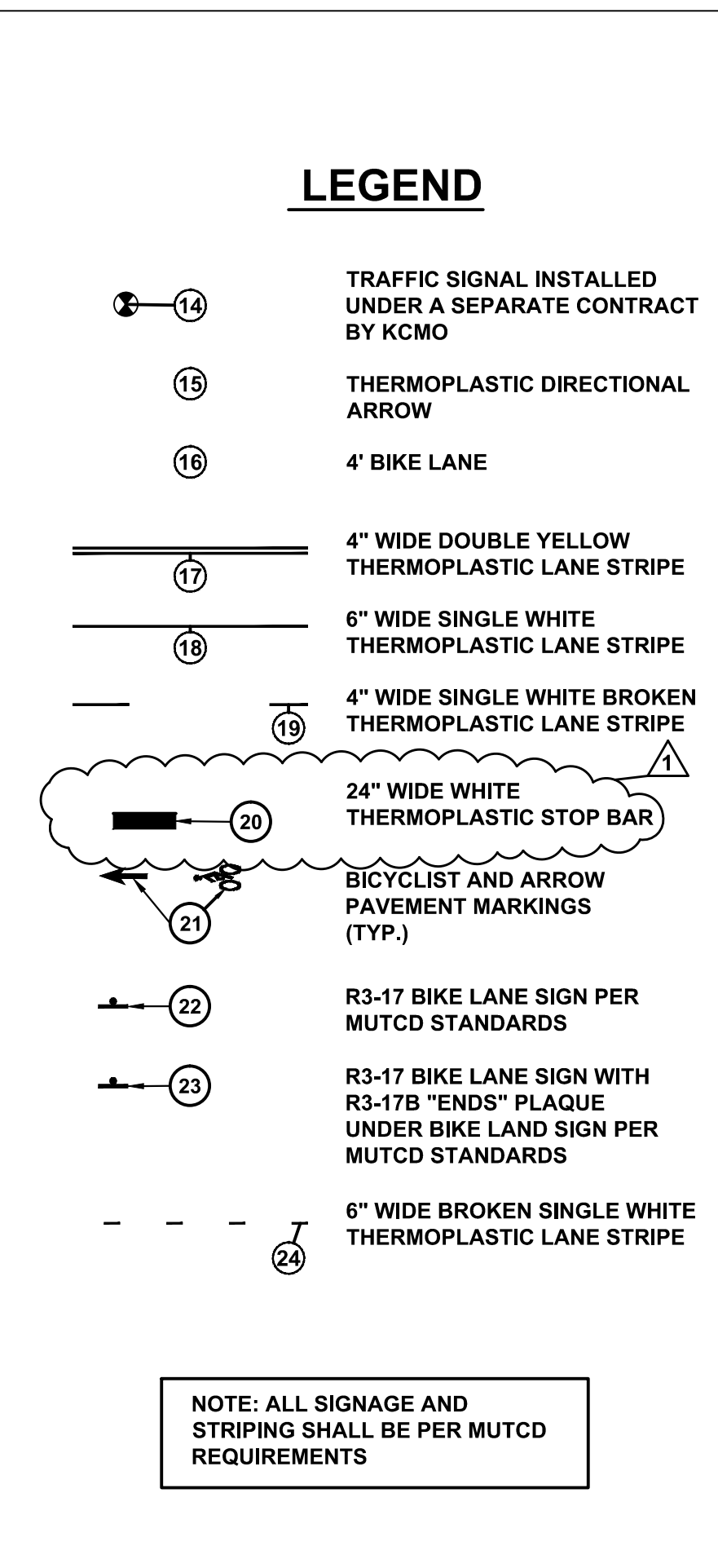
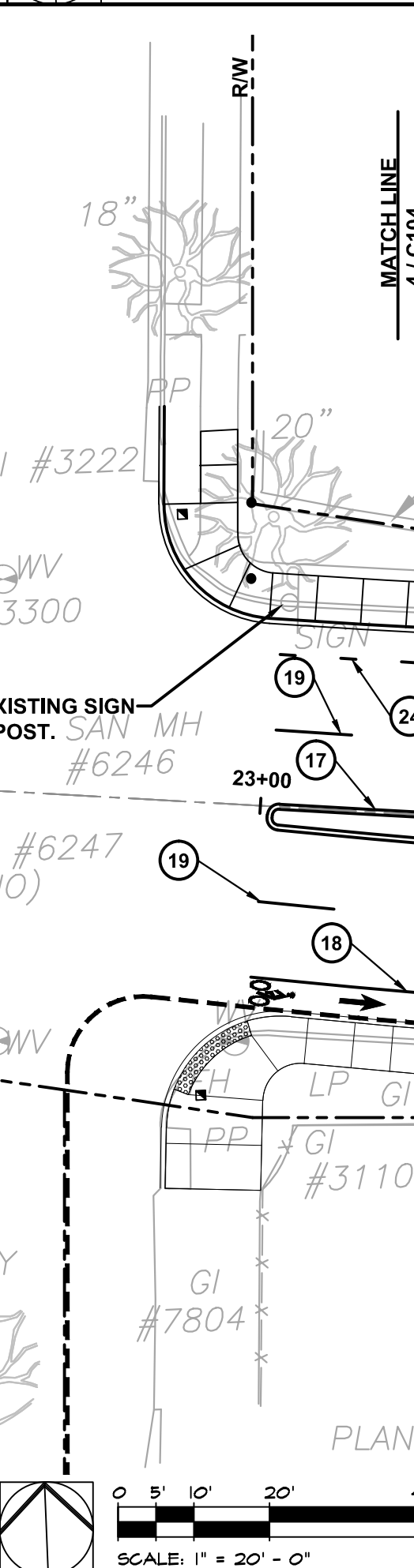
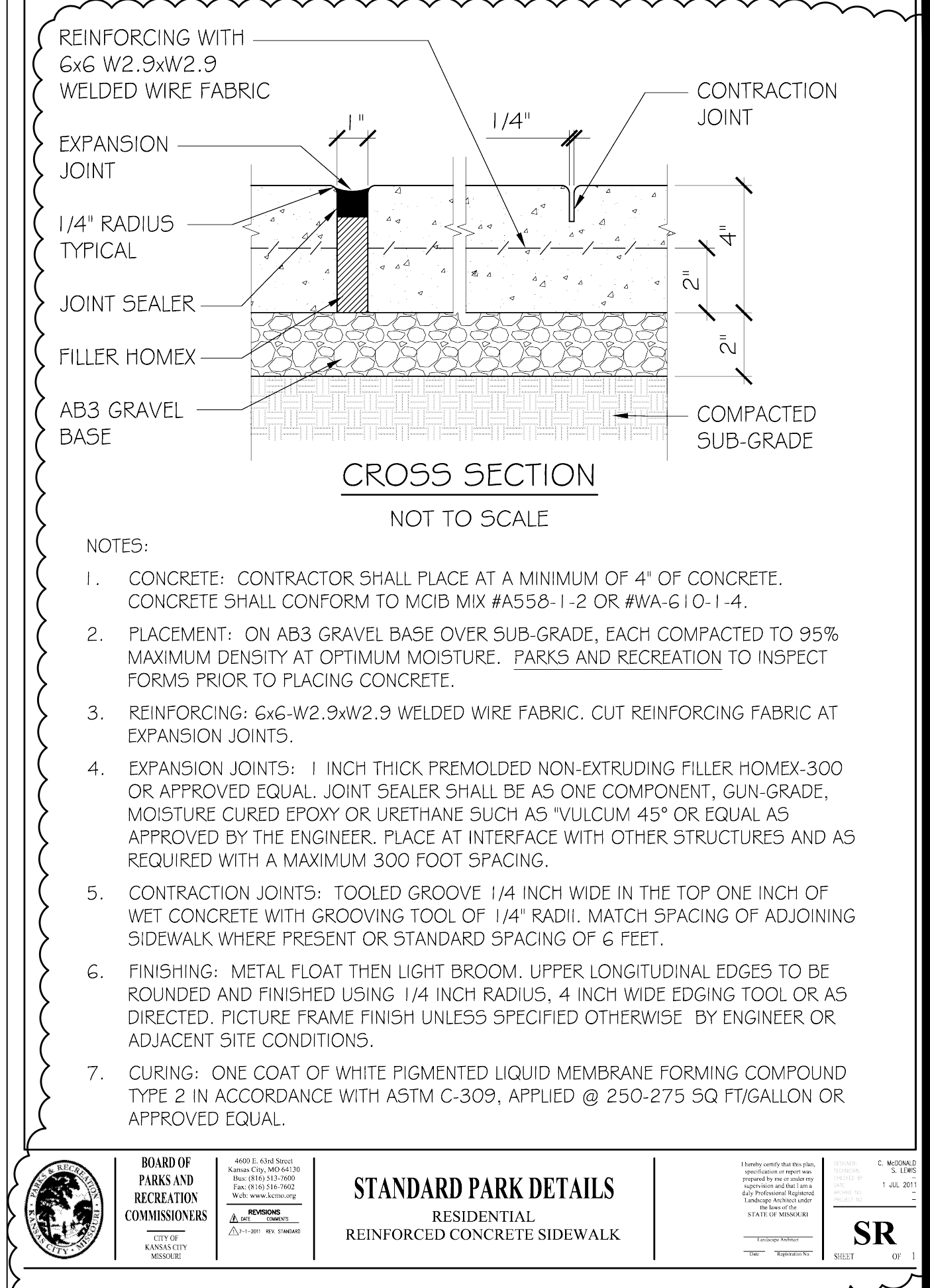


Diagram illustrating the construction of a perspective view of a circle. The circle is divided into four quadrants by a vertical centerline and a horizontal line. The top half is divided into four equal parts by three vertical lines. The bottom half is divided into four equal parts by three vertical lines. The top half is labeled with 0, 5, 10, and 20. The bottom half is labeled with 0, 5, 10, and 20. A scale below the diagram indicates 1 inch equals 20 degrees.

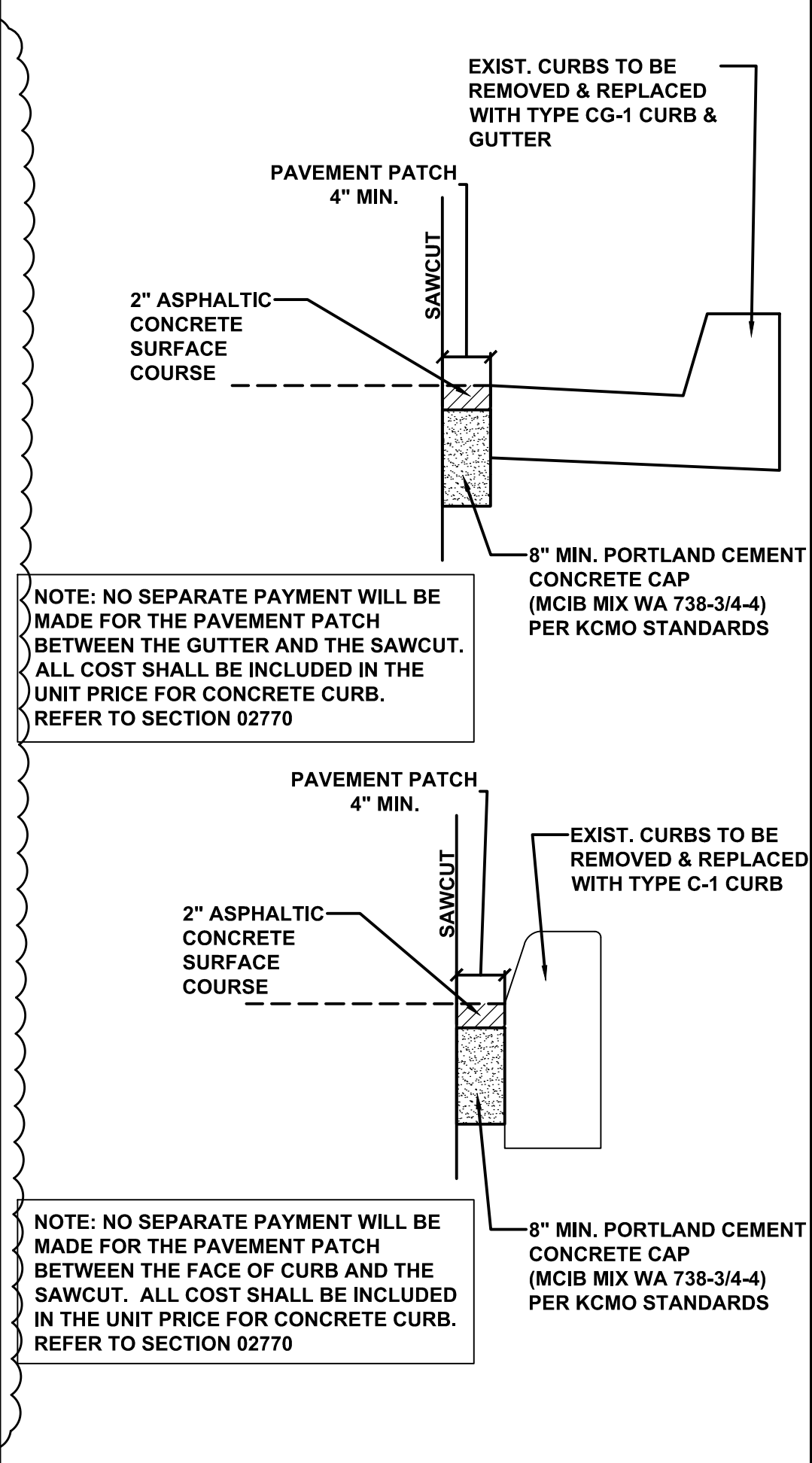
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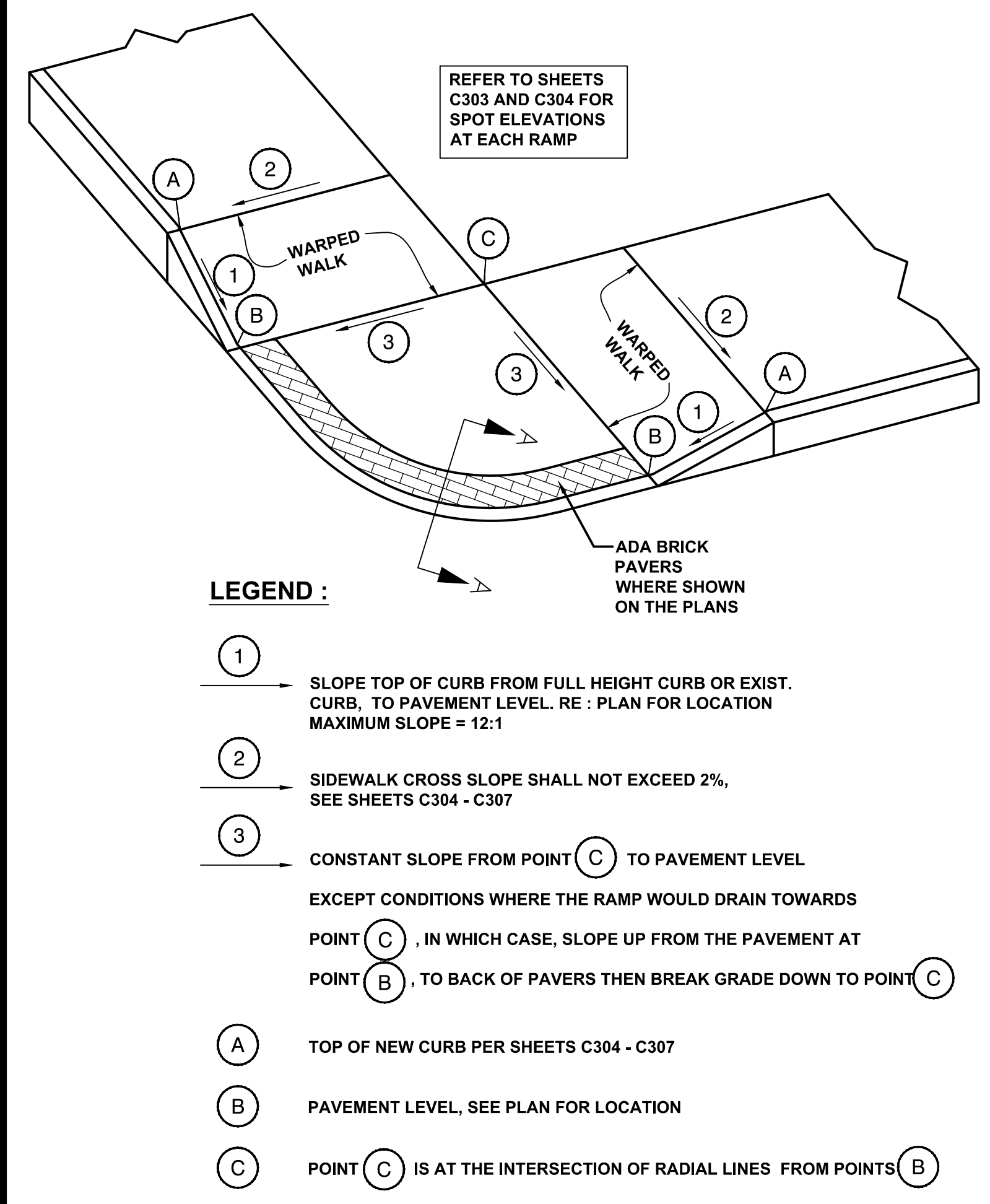
1 STANDARD RESIDENTIAL SIDEWALK AND JOINT DETAILS

Not to Scale



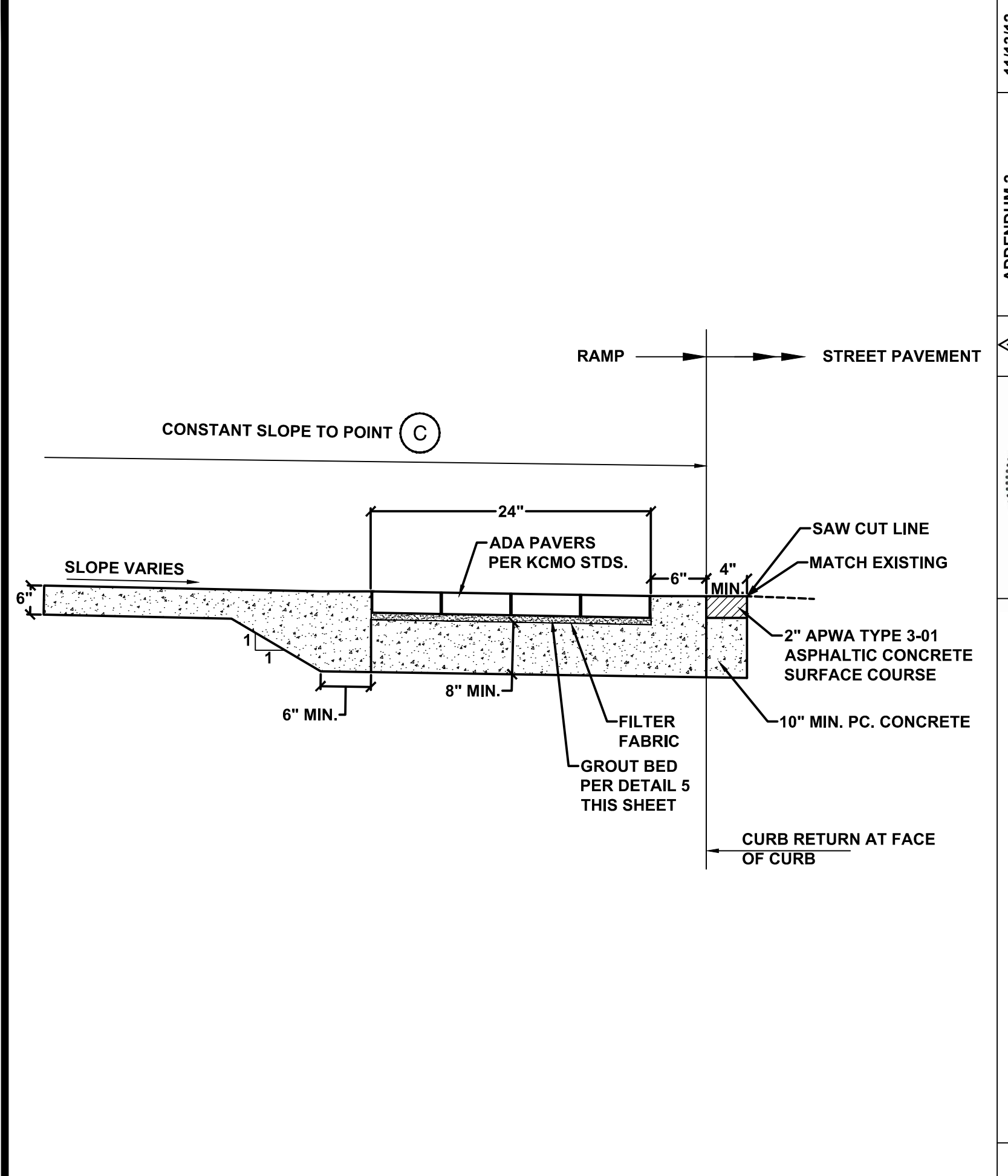
2 TYPICAL CURB REPLACEMENT DETAIL

Not to Scale



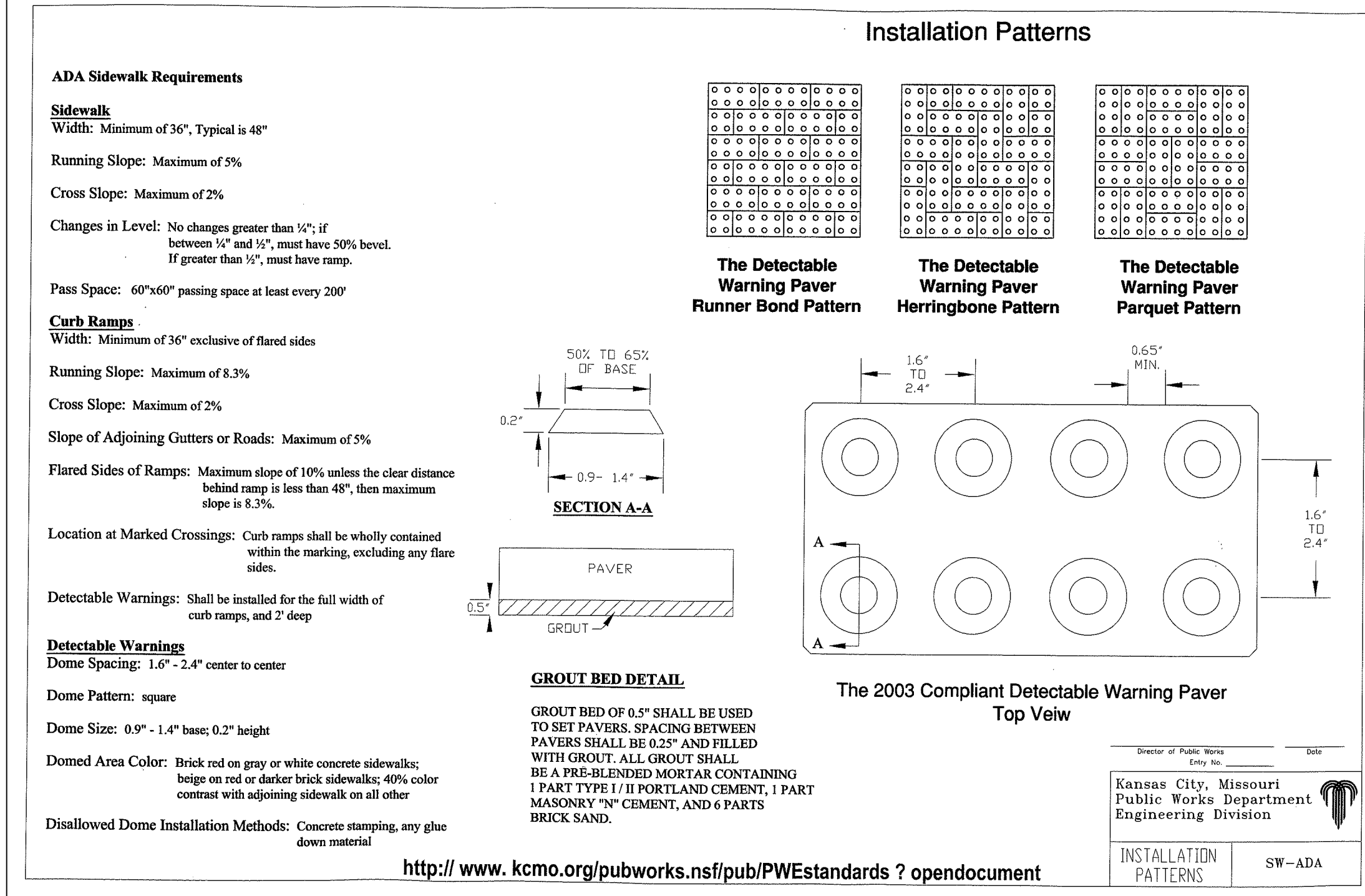
3 TYPICAL CURB RAMP AT INTERSECTION

Not to Scale



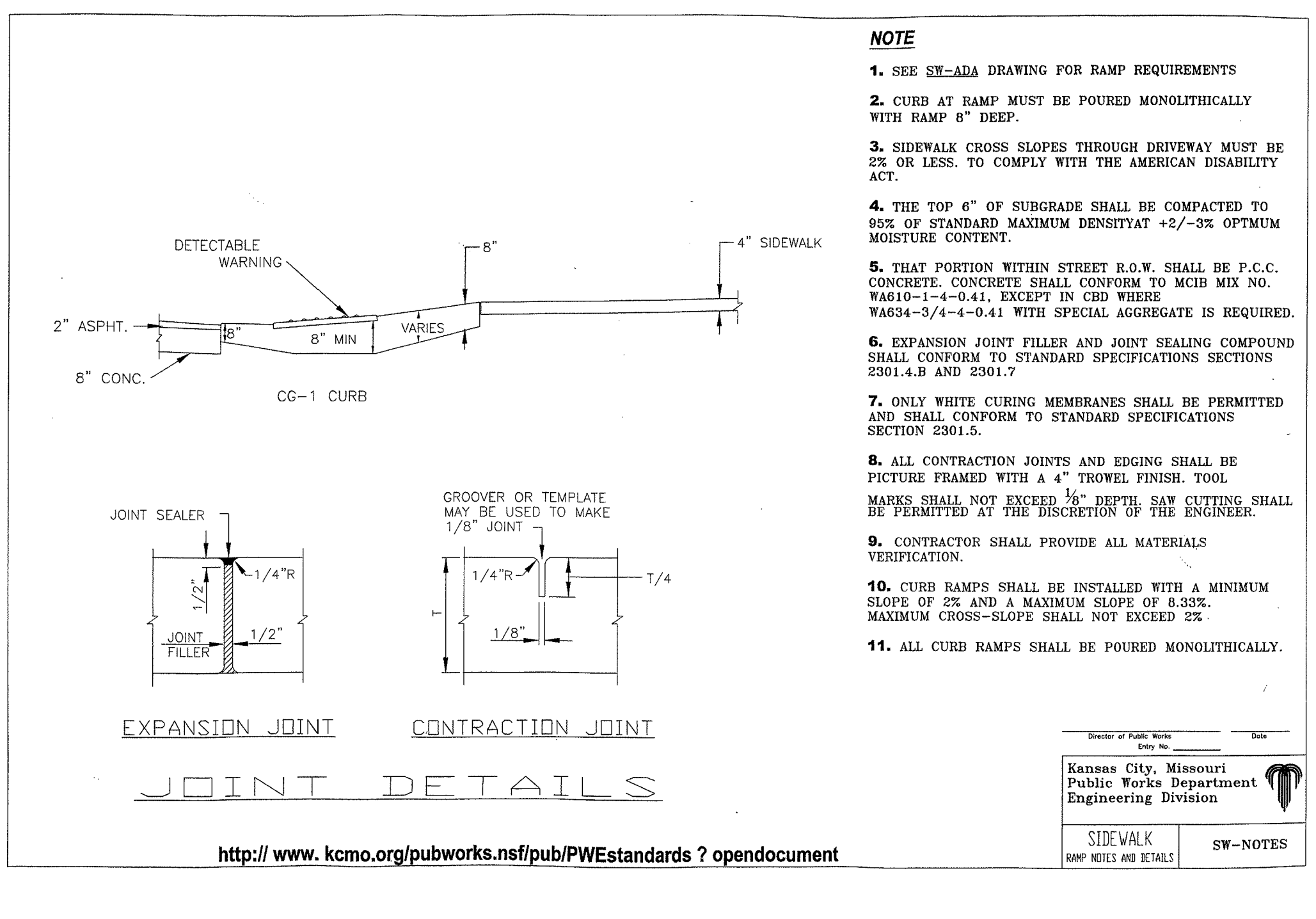
4 TYPICAL SECTION A-A @ ADA RAMPS

Not to Scale



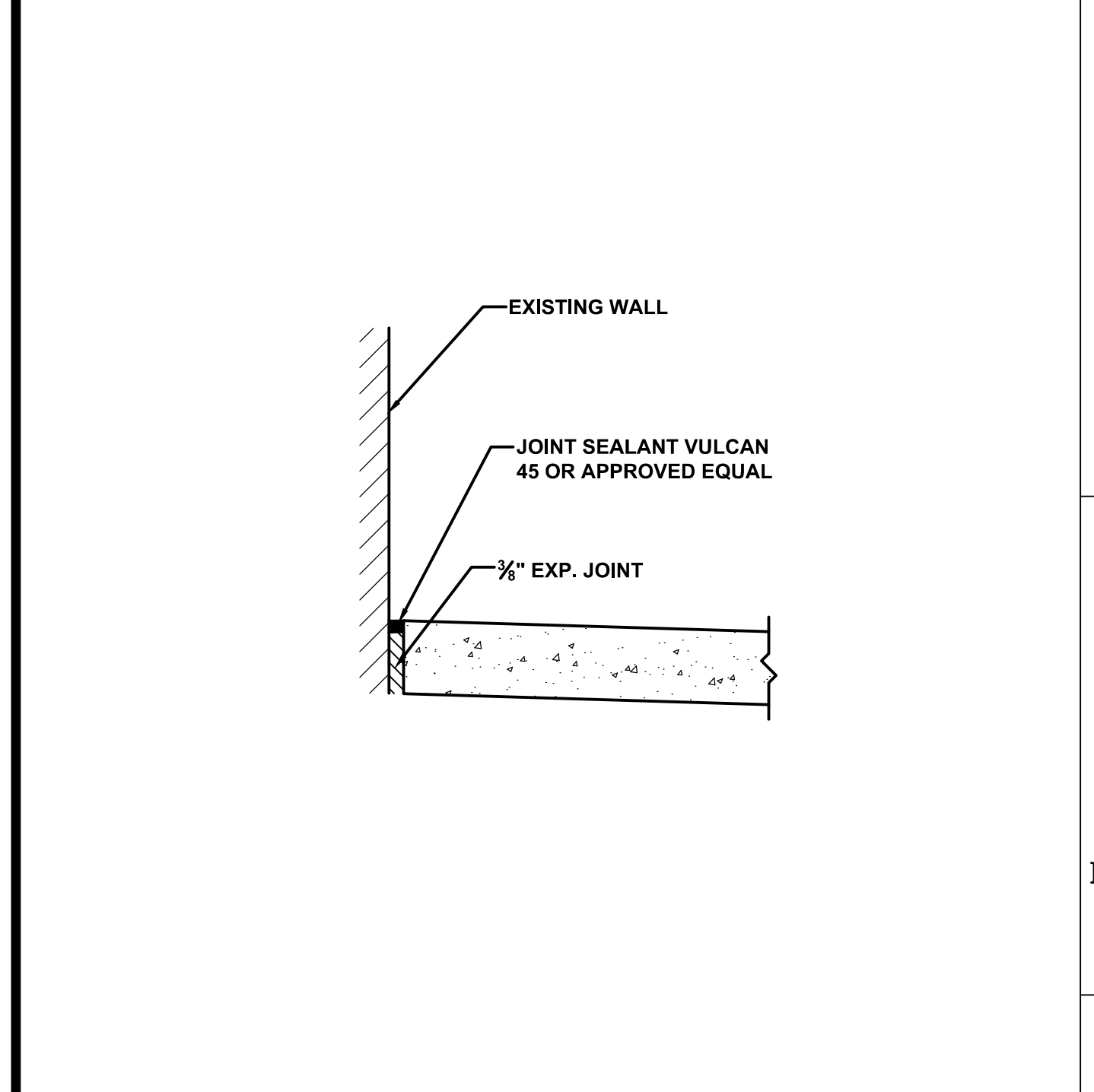
5 SW-ADA INSTALLATION PATTERNS

Not to Scale



6 SIDEWALK RAMP NOTES & DETAILS

Not to Scale



7 TYPICAL JOINT SEALANT DETAIL AT EXIST. WALLS

Not to Scale

11/13/12

ADDENDUM 2

NO.

REVISIONS

DATE

STATE OF MISSOURI

SASSAN MAHOBIAN

REGISTERED PROFESSIONAL ENGINEER

E-20861

KANSAS CITY, MO PARKS & RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD STREETSCAPE IMPROVEMENTS (ROCKHILL RD TO TROOST) PROJECT NO. 070091308 DETAILS - 1

INTEGRATING NATURE AND ARCHITECTURE

BOWMAN BOWMAN NOVICK, INC.

411 NICHOLS RD. SUITE #246 KANSAS CITY, MO 64112

PROJECT: CLEAVER II BLVD. STREETSCAPE

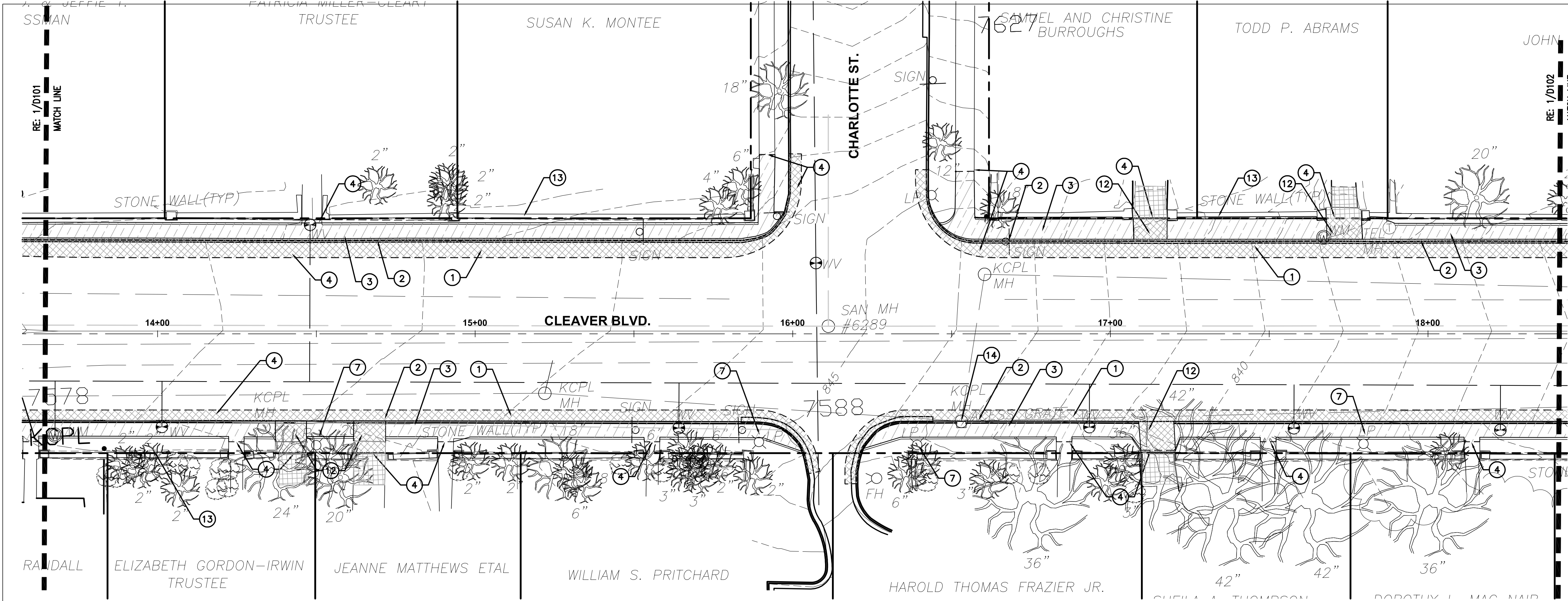
DATE: 7/20/12

JOB NO.: G70091307/STP-3387 (406)

SHEET NO.

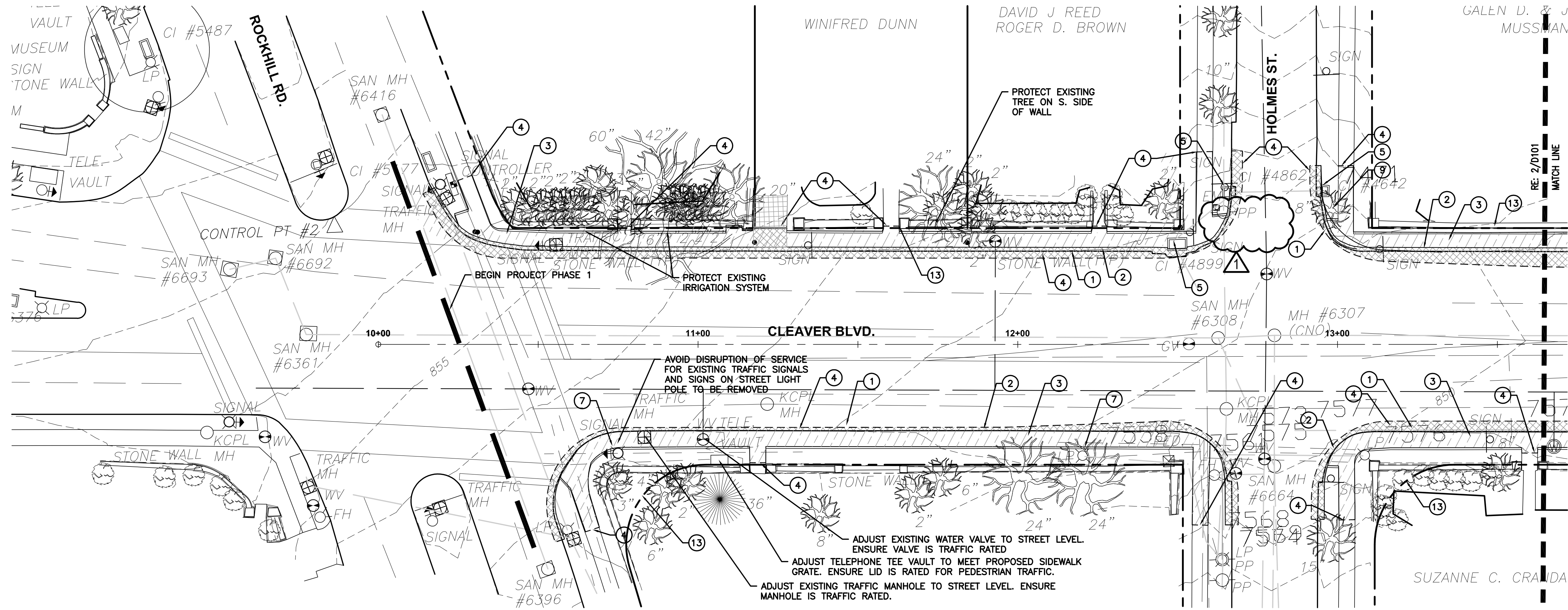
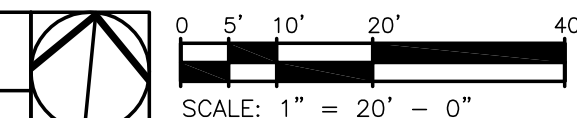
C301

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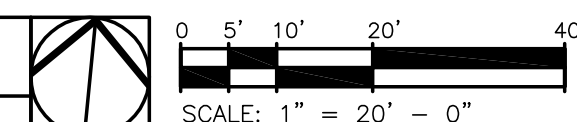
2 STATION 13+70 TO 18+40

SCALE: 1"=20'-0"



1 STATION 10+00 TO 13+70

SCALE: 1"=20'-0"



- GENERAL NOTES**
1. THE CONTRACTOR SHALL VERIFY THE LOCATION & DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION IN ORDER TO AVOID INTERRUPTION OF SERVICE & TO INSURE PROPER CLEARANCE.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR & ASSOCIATED COSTS OF ANY DAMAGE TO EXISTING FEATURES NOT SPECIFIED FOR DEMOLITION.
 3. PROTECT ALL EXISTING STONE WALLS FROM DAMAGE.
 4. COORDINATE WORK WITH THE TROOST TRAFFIC SIGNAL REPLACEMENT (KCMO PUBLIC WORKS).
 5. ALL UNPAVED AREAS WITHIN R.O.W. (RIGHT-OF-WAY) SHALL RECEIVE SOD.
 6. IF FIELD CONDITION DIFFERS FROM DRAWINGS, CONTACT OWNER'S REPRESENTATIVE FOR DIRECTION PRIOR TO PROCEEDING WITH WORK.
 7. STREET CURB REPLACEMENT SHALL EXTEND TO SAWCUT SHOWN.
 8. REFER TO CIVIL DRAWINGS FOR SIGN AND POST REMOVALS OR RELOCATIONS.
 9. NUMBER OF GRAPHIC SYMBOLS OF PLANTS SHALL SUPERSEDE QUANTITIES SHOWN ON LABELS OR WITHIN PLANTING SCHEDULE.
 10. CONTRACTOR SHALL STAKE TREE LOCATIONS AND OUTLINE PLANTING BEDS FOR OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO INSTALLATION.
 11. ALL DISTURBED AREAS NOT ALREADY ADDRESSED WITH PAVEMENT OR PLANT MATERIAL SHALL RECEIVE SOD.
 12. "WORK BY OTHERS" WILL BE CONCURRENT WITH CONSTRUCTION.

KEY NOTES

- ① EXISTING STREET PAVEMENT TO BE REMOVED
- ② EXISTING CURB OR CURB & GUTTER TO BE REMOVED
- ③ EXISTING SIDEWALK OR CURB RAMP TO BE REMOVED
- ④ SAW CUT TO FULL DEPTH OF PAVEMENT
- ⑤ EXISTING CURB INLET TO BE REPLACED OR EXTENDED RE: CIVIL
- ⑥ EXISTING TRAFFIC SIGNAL TO BE REPLACED BY OTHERS
- ⑦ EXISTING LIGHT POLE TO BE REMOVED
- ⑧ EXISTING UTILITY POLE TO BE RELOCATED BY OTHERS
- ⑨ EXISTING TREE TO BE REMOVED
- ⑩ EXISTING FIRE HYDRANT TO BE RELOCATED
- ⑪ TRASH RECEPTACLE TO BE REMOVED AND SALVAGED FOR OWNER'S USE
- ⑫ EXISTING DRIVEWAY TO BE REMOVED
- ⑬ PROPERTY LINE
- ⑭ EXISTING KCPL MANHOLE TO BE RELOCATED

EXISTING SURVEY LEGEND

PROPERTY LINE	---
POWER POLE	⊕ PP
LIGHT POLE	⊕ LP
ELECTRIC TRANSFORMER	⊕ TRANS
ANCHOR	← GUY
UNDERGROUND POWER LINES	— E —
OVERHEAD POWER LINES	— OHP —
TELEPHONE POLE	⊕ TP
TELEPHONE PEDESTAL	⊕ TELE. PED.
UNDERGROUND TELEPHONE LINES	— T —
OVERHEAD TELEPHONE LINES	— OHT —
UNDERGROUND CABLE TV	— CATV —
FIRE HYDRANT	⊕ FH
WATER METER	⊕ WM
WATER VALVE	⊕ WV
SANITARY	— SS —
STORM SEWER	— S —
WATER LINE	— W —
GAS MARKER	⊕ GM
GAS METER	⊕ GM
GAS VALVE	⊕ GV
GAS LINE	— G —
SIGN	⊕
TREE (DIA.)	⊕ 12"
BUSH	⊕
FENCE	— X —

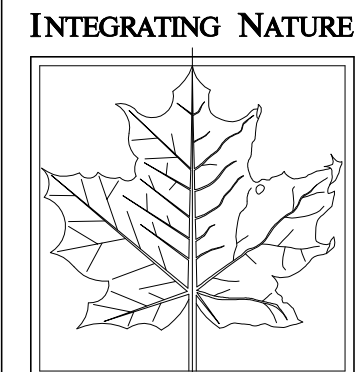
DEMOLITION LEGEND

SIDEWALK TO BE DEMOLISHED	▨
PAVEMENT TO BE DEMOLISHED	▩
PRIVATE DRIVE TO BE DEMOLISHED	▧
SAW CUT LINE	---

NO.	REVISIONS	DATE
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**EMANUEL CLEAVER II BOULEVARD
STREETScape IMPROVEMENTS
(ROCKHILL RD TO TROOST)
PROJECT NO. 070091308
DEMOLITION PLAN-1**



**BOWMAN BOWMAN
NOVICK, INC.**
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

PROJECT:
CLEAVER II BLVD. STREETScape

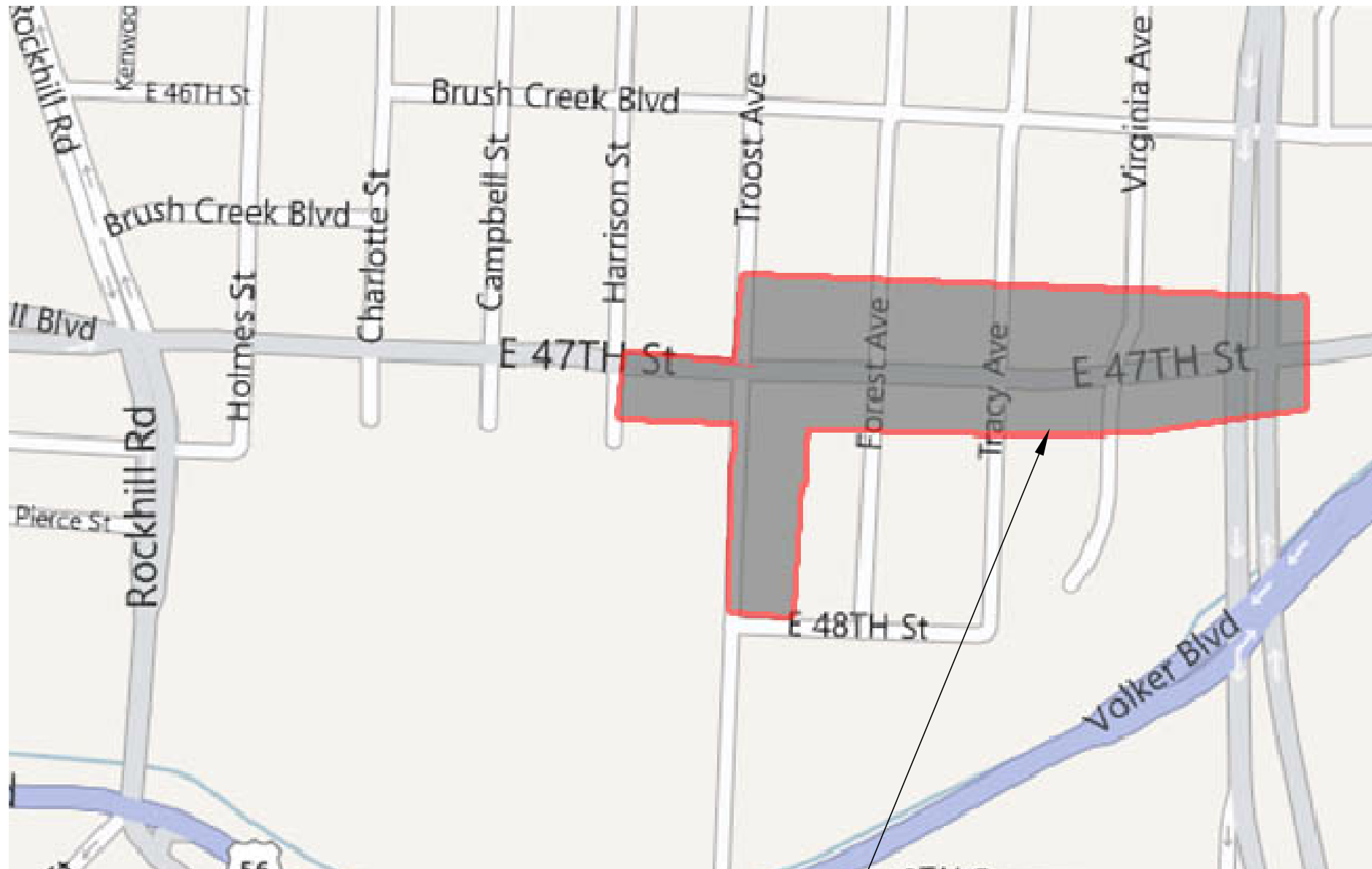
DATE:
7/17/12

JOB NO.
C70091307/STP-3387 (406)

SHEET NO.

D101

PLANS FOR
EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
PHASE 2
PS&E SET - JULY 17, 2012
FEDERAL PROJECT NUMBER STP-3387 (406)



LOCATION MAP

PROJECT LOCATION



KANSAS CITY, MISSOURI
BOARD OF
PARKS & RECREATION COMMISSIONERS

JEAN PAUL CHAURAND - PRESIDENT
MCCLAIN BRYANT - COMMISSIONER
ALLEN DILLINGHAM - COMMISSIONER
AIMEE GROMOWSKY - COMMISSIONER
DAVID MECKLENBURG - COMMISSIONER
MARK L. McHENRY - DIRECTOR

SURVEY CONTROL POINTS

HORIZONTAL AND VERTICAL CONTROL

CONTROL POINT #1
SET 1/2" I.B. +/-11 FEET NORTH OF SOUTH BACK OF CURB IN MEDIAN
EAST OF OAK STREET ON EMANUEL CLEAVER BLVD.
RM 1: 23.23', NORTHEAST TO SOUTHWEST CORNER LIGHT POLE BASE.
RM 2: 6.45', SOUTH TO NORTHWEST CORNER LIGHT POLE BASE.
RM 3: 54.30', SOUTHWEST TO NORTHEAST CORNER OF SIGN BASE.

N 1047070.386 / E 2765756.173 / ELEV= 853.06

CONTROL POINT #2
SET MAG NAIL +/-2.5 FEET SOUTH OF ISLAND NOSE ON NORTH SIDE OF
EMANUEL CLEAVER AND ROCKHILL.

RM 1: 33.73', NORTHEAST TO SOUTHWEST CORNER OF CURB INLET.
RM 2: 21.01', SOUTHWEST TO CENTER OF MANHOLE.
RM 3: 19.25', NORTHWEST TO SOUTHWEST CORNER OF SIGNAL BASE.

N 1047050.992 / E 2766632.118 / ELEV= 856.92

CONTROL POINT #3
SET 1/2" I.B. ON SOUTH SIDE EMANUEL CLEAVER AND EAST OF
CAMPBELL.

RM 1: 11.40', NORTHEAST TO NORTHWEST CORNER OF LIGHT POLE BASE.
RM 2: 11.68', SOUTH TO CENTER OF MANHOLE.
RM 3: 6.65', SOUTHWEST TO NORTH FACE WOODEN LIGHT POLE.

N 1046937.026 / E 2767600.258 / ELEV= 832.50

CONTROL POINT #4
SET CHISELED "+" NORTHEAST CORNER OF EMANUEL CLEAVER AND
TROOST.

RM 1: 3.11', NORTHEAST TO SOUTHEAST CORNER TRAFFIC SIGNAL BOX.
RM 2: 13.25', SOUTHEAST TO SOUTHWEST CORNER TRAFFIC SIGN BASE.
RM 3: 9.86', NORTHWEST TO NAIL AND SHINER IN SOUTHEAST FACE
POWER POLE.

N 1046981.857 / E 2768287.153/ ELEV= 818.46

CONTROL POINT #7500
CHISELED "+" ON BACK OF CURB WEST SIDE OF TROOST ON NORTH SIDE
OF ENTRANCE TO WALGREENS.

RM 1: 24.81', EAST TO WATER VALVE.
RM 2: 51.85', SOUTHEAST TO WATER VALVE.
RM 3: 41.10', SOUTH TO LIGHT POLE.

N 1047178.449 / E 2768217.919 / ELEV= 823.25

CONTROL POINT #7501
CHISELED "+" ON SIDEWALK ON WEST SIDE OF TROOST SOUTH OF KFC.

RM 1: 13.47', NORTHWEST TO LIGHT POLE.
RM 2: 35.54', NORTH-NORTHEAST TO LIGHT POLE.
RM 3: 76.05', SOUTHEAST TO LIGHT POLE.

N 1046764.501 / E 2768202.920 / ELEV= 819.38

PROJECT DESCRIPTION:

EMANUEL CLEAVER II BLVD.
STREETSCAPE IMPROVEMENTS

PHASE 2
PROJECT NUMBER G70091307
FEDERAL PROJECT NUMBER STP-3387 (406)

PROJECT CONSISTS OF SUPPLYING ALL LABOR, MATERIALS, AND EQUIPMENT
NECESSARY FOR EMANUEL CLEAVER II BOULEVARD STREETSCAPE
IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO; SURVEYING, CLEARING,
GRUBBING, EXCAVATION, BACKFILLING, GRADING, STONEWORK, CONCRETE
WORK / FOOTINGS, OVERHEAD STRUCTURE, LANDSCAPING, SITE FURNISHINGS,
EROSION CONTROL, TURF, AND CLEANUP COMPLETE IN ACCORDANCE WITH
DRAWING NUMBERS LISTED BELOW, AND SPECIFICATIONS CONTAINED UNDER
SEPARATE COVER.

WORK SHALL CONFORM TO THE FOLLOWING IN THE THE ORDER LISTED:
KCMO'S APWA & STANDARD SPECIFICATIONS AND THE MISSOURI STANDARD
SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2011 EDITION).

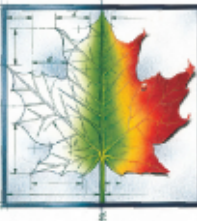
DRAWING INDEX:

COVER	Project Location and Drawing Index	C321	Details - 1
D101	Demolition Plan-1	C322	Details - 2
D102	Demolition Plan-2	C323	Details - 3
D103	Demolition Plan-3	C324	Details - 4
C021	General Layout and Control	C325	Details - 5
C061	Erosion Control Plan	C501	Storm Sewer Plans
C121	Layout Plan - 1	L100	Landscape Plans Diagram
C122	Layout Plan - 2	L101	Landscape Plan - 1
C123	Layout Plan - 3	L102	Landscape Plan - 2
C124	Signage and Striping Plan - 1	L103	Landscape Plan - 3
C125	Signage and Striping Plan - 2	L201	Landscape Details - 1
C131	Grading Plan - 1	L202	Landscape Details - 2
C132	Grading Plan - 2	L203	Landscape Details - 3
C133	Grading Plan - 3	E001	Electrical Cover Sheet
C134	Ramp Details - 1	E101	Electrical Layout - 1
C135	Ramp Details - 2	E102	Electrical Layout - 2
C221	Traffic Control Plan	E201	Electrical Wiring Diagram - 1
		E202	Electrical Wiring Diagram - 2
		E203	Electrical Wiring Diagram - 3
		E204	Electrical Wiring Diagram - 4
		E301	Electrical Details - 1
		E302	Electrical Details - 2
		E303	Electrical Details - 3

DESIGN ENTITY:

BOWMAN BOWMAN NOVICK INC.

INTEGRATING NATURE
AND ARCHITECTURE
BOWMAN
BOWMAN
NOVICK
INC



TREKK DESIGN GROUP, LLC



SK DESIGN GROUP, INC.



LORIE A. DOOLITTLE-BOWMAN
ARCHITECT

July 16, 2012
DATE

JOCELYN M. BALL-EDSON
PROJECT MANAGER

July 19, 2012
DATE

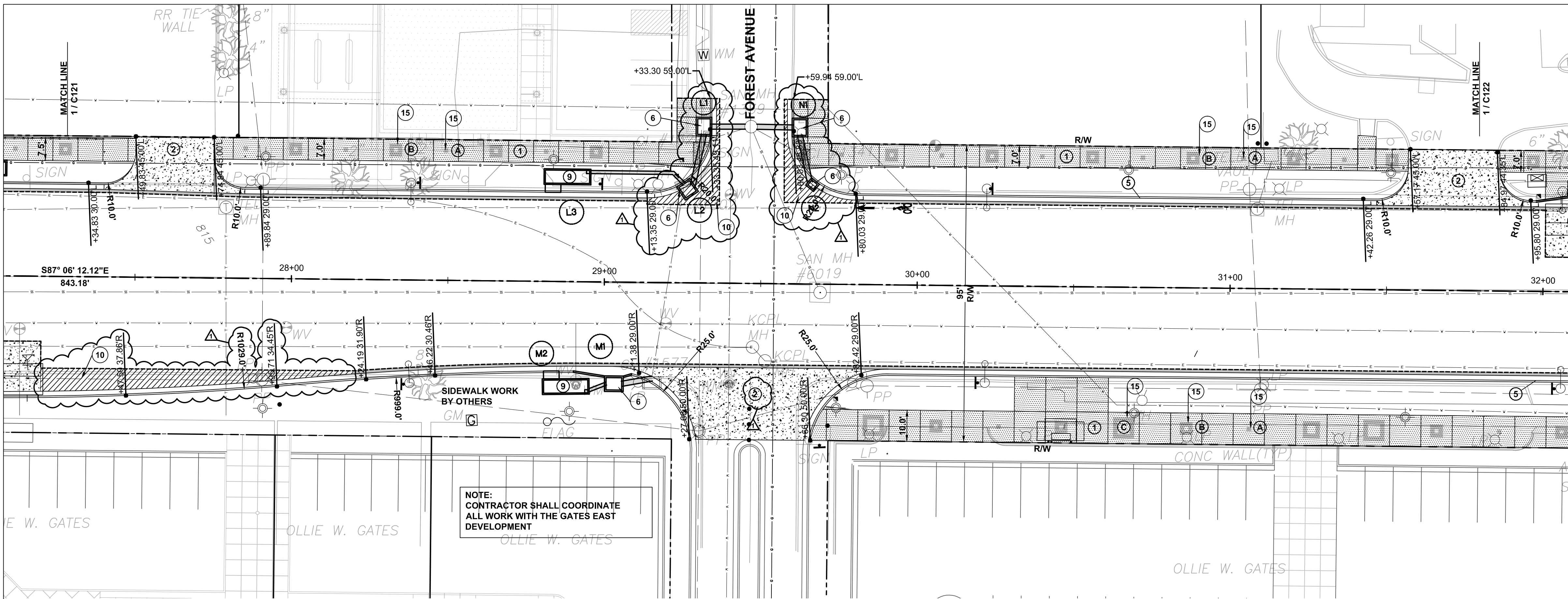
TRAVIS W. KIEFER, P.E.
ASSISTANT DIRECTOR- ENGINEERING AND PLANNING DIVISION

07/19/12
DATE

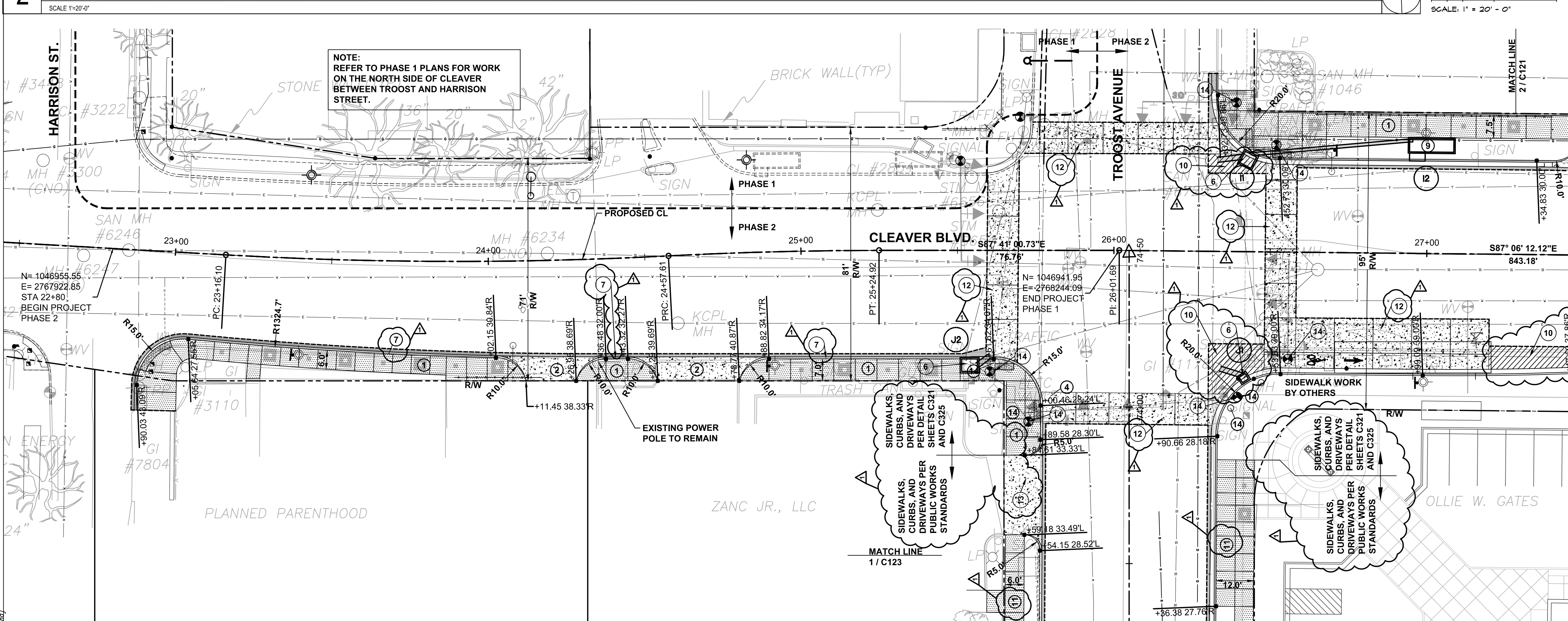
MARK L. McHENRY
DIRECTOR

7-19-12
DATE

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2 STATION 26+85 TO 31+70



1 STATION 22+70 TO 27+30

- ### LEGEND
- R/W EXISTING RIGHT-OF-WAY
 - 1 COMMERCIAL CONCRETE SIDEWALK. WIDTH VARIES. RE: 1 / C321
 - 2 COMMERCIAL CONCRETE DRIVEWAY RE: 4 / C325
 - 3 CURB RAMP
 - 4 PAVEMENT PATCH
 - 5 TYPE C1 CONCRETE CURB AND GUTTER RE: 2 / C325
 - 6 STORM SEWER INLET SEE SHEET C501
 - 9 STORM PLANTER
 - 14 TRAFFIC SIGNAL BY OTHERS
 - 15 DETECTABLE WARNING PER DETAIL SHEET
 - 15 ALTERNATE 1: PAVER INLAY TYPE A (TYP.) RE: LANDSCAPE PLANS
 - 15 ALTERNATE 1: PAVER INLAY TYPE B (TYP.) RE: LANDSCAPE PLANS
 - 15 ALTERNATE 1: PAVER INLAY TYPE C (TYP.) RE: LANDSCAPE PLANS
 - PEDESTRIAN LIGHT POLE RE: ELECTRICAL
 - STREETLIGHT POLE RE: ELECTRICAL
 - 2" COLD MILL TO LIMITS SHOWN. REFER TO SHEET C133 FOR OVERLAY ELEVATIONS.
 - 7 TYPE C CONCRETE CURB RE: 3 / C325
 - 10 STREET CUT RESTORATION
 - 11 4" THICK CONCRETE SIDEWALK PER KCMO PUBLIC WORKS DETAILS. WIDTH VARIES.
 - 12 REINFORCED CONCRETE BUS STOP / CONCRETE CROSSWALK RE: 1 / C325
 - 13 CONCRETE DRIVEWAY PER PUBLIC WORKS DETAIL D-2

NOTE:
CONTRACTOR SHALL COORDINATE ALL WORK WITH NEW TRAFFIC SIGNAL CONSTRUCTION AT THE INTERSECTION OF CLEAVER AND TROOST

NOTE:
REFER TO LANDSCAPE SHEETS FOR CONCRETE CROSSWALKS AT THE INTERSECTION OF CLEAVER AND TROOST

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STATE OF MISSOURI
SASSAN MAHOBIAN
REGISTERED PROFESSIONAL ENGINEER
E-20061

KC Parks
KANSAS CITY, MO PARKS & RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASEO
PHASE 2
LAYOUT PLAN - 1

INTEGRATING NATURE
AND ARCHITECTURE
**BOWMAN BOWMAN
NOWICK, INC.**
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

PROJECT
CLEAVER II BLVD. STREETSCAPE

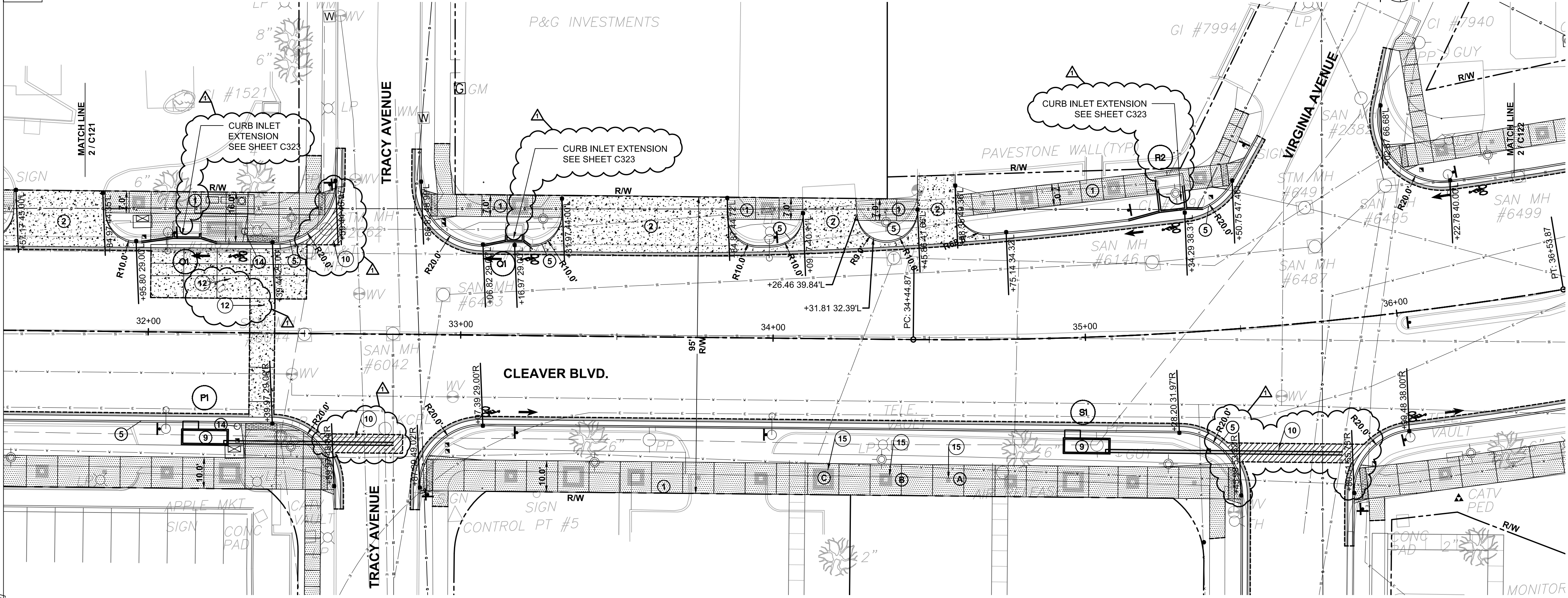
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JOB NO.
G70091307 / STP-3387(406)

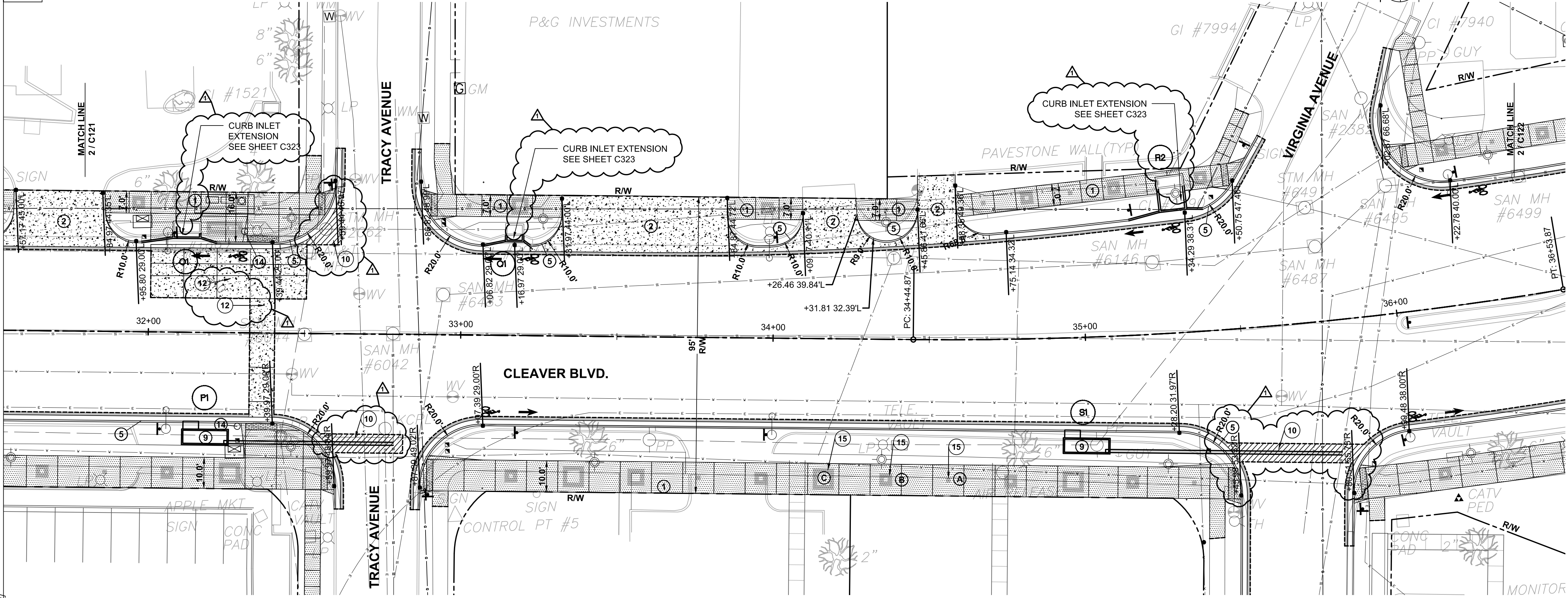
SHEET NO.
C121

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2 STATION 36+20 TO 40+00
SCALE 1"=20'-0"



1 STATION 31+70 TO 36+20
SCALE 1"=20'-0"



LEGEND

R/W

EXISTING RIGHT-OF-WAY

1 COMMERCIAL CONCRETE SIDEWALK. WIDTH VARIES. RE: 1 / C321

2 COMMERCIAL CONCRETE DRIVEWAY RE: 4 / C325

3 CURB RAMP

4 PAVEMENT PATCH

5 TYPE C1 CONCRETE CURB AND GUTTER RE: 2 / C325

6 STORM SEWER INLET SEE SHEET C501

9 STORM PLANTER

14 TRAFFIC SIGNAL BY OTHERS

15 DETECTABLE WARNING PER DETAIL SHEET

15 ALTERNATE 1: PAVER INLAY TYPE A (TYP.) RE: LANDSCAPE PLANS

15 ALTERNATE 1: PAVER INLAY TYPE B (TYP.) RE: LANDSCAPE PLANS

15 ALTERNATE 1: PAVER INLAY TYPE C (TYP.) RE: LANDSCAPE PLANS

PEDESTRIAN LIGHT POLE RE: ELECTRICAL

STREETLIGHT POLE RE: ELECTRICAL

2" COLD MILL TO LIMITS SHOWN. REFER TO SHEET C133 FOR OVERLAY ELEVATIONS.

7 TYPE C CONCRETE CURB RE: 3 / C325

10 STREET CUT RESTORATION

11 4" THICK CONCRETE SIDEWALK PER KCMO PUBLIC WORKS DETAILS. WIDTH VARIES.

12 REINFORCED CONCRETE BUS STOP / CONCRETE CROSSWALK RE: 1 / C325

13 CONCRETE DRIVEWAY PER PUBLIC WORKS DETAIL D-2

11/13/12

ADDENDUM 2

NO.

REVISIONS

DATE

STATE OF MISSOURI

SASSAN MAHOBIAN

REGISTERED PROFESSIONAL ENGINEER

E-20061

KANSAS CITY, MO PARKS & RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD

STREETSCAPE IMPROVEMENTS

HARRISON ST. TO THE PASEO

PHASE 2

LAYOUT PLAN - 2

INTEGRATING NATURE

AND ARCHITECTURE

BOWMAN BOWMAN

NOVICK, INC.

411 NICHOLS RD. SUITE #246

KANSAS CITY, MO 64112

PROJECT

CLEAVER II BLVD. STREETSCAPE

DATE

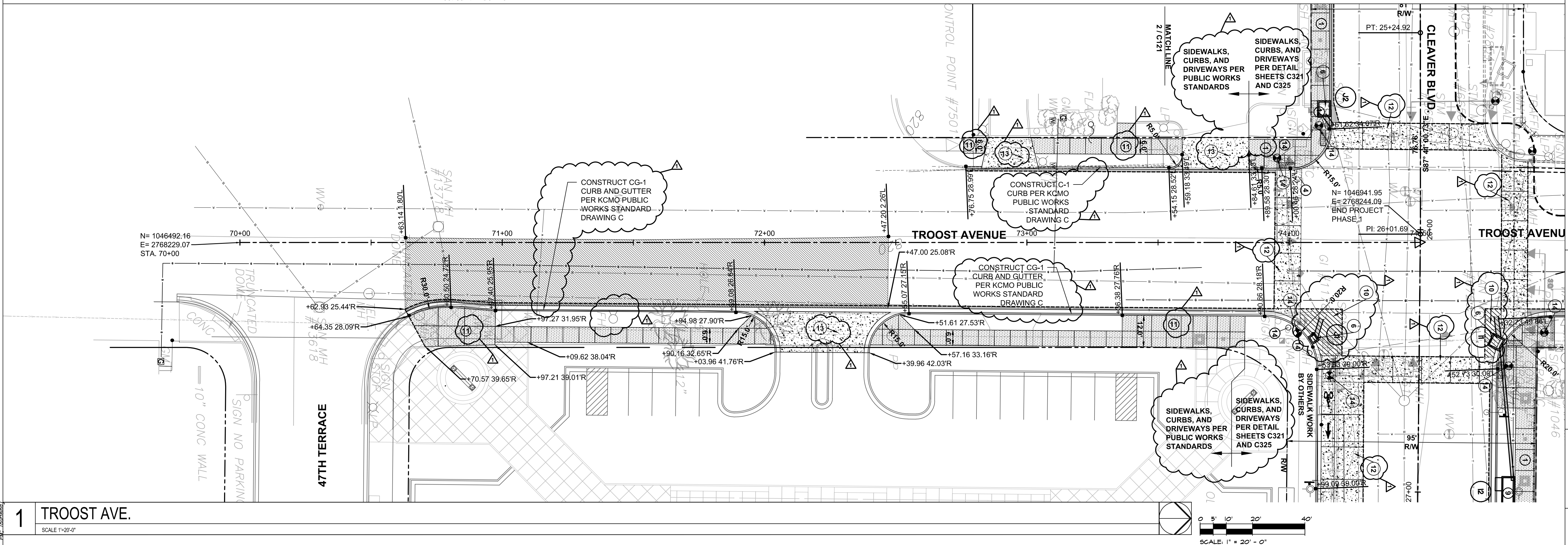
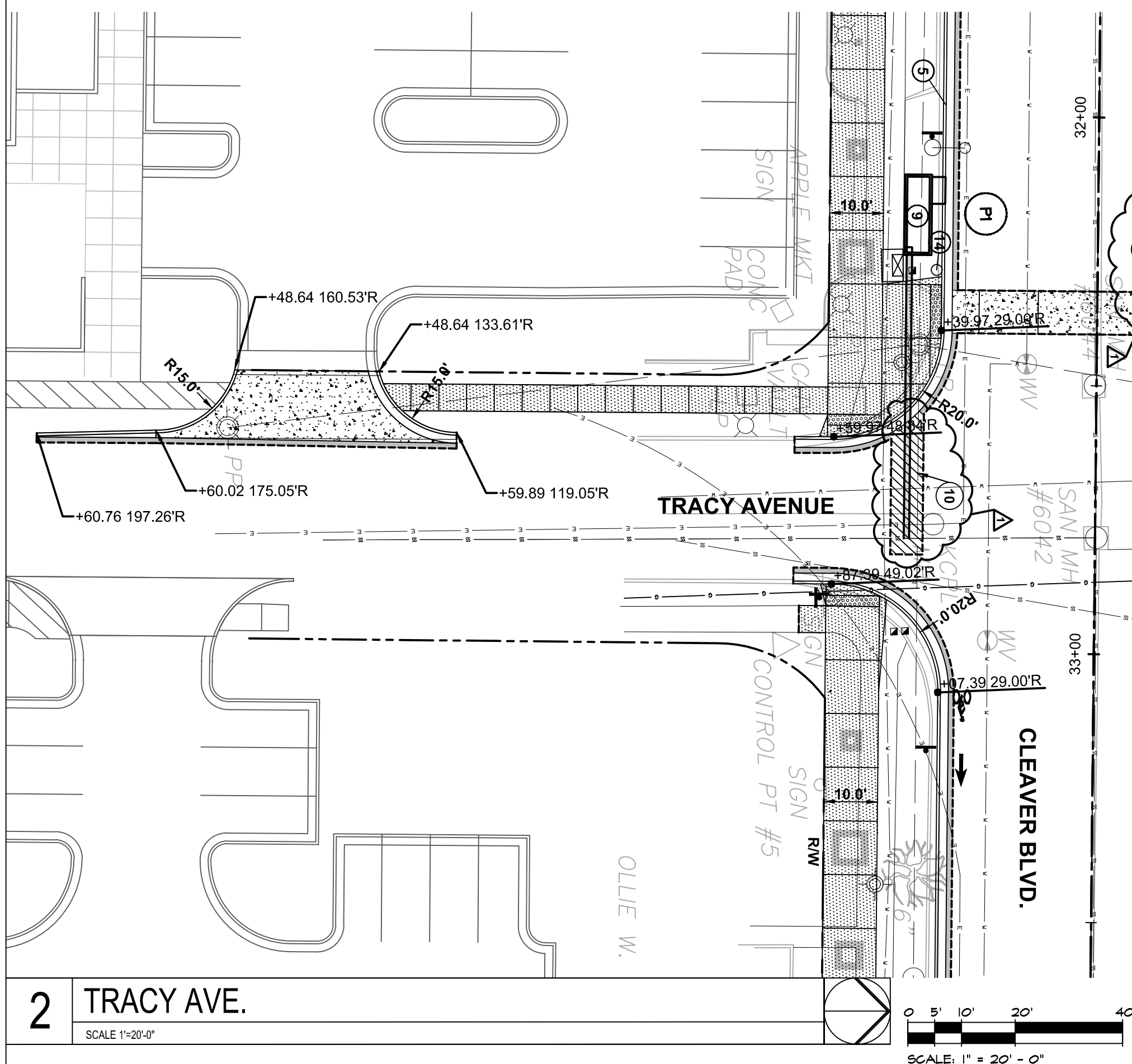
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JOB NO.

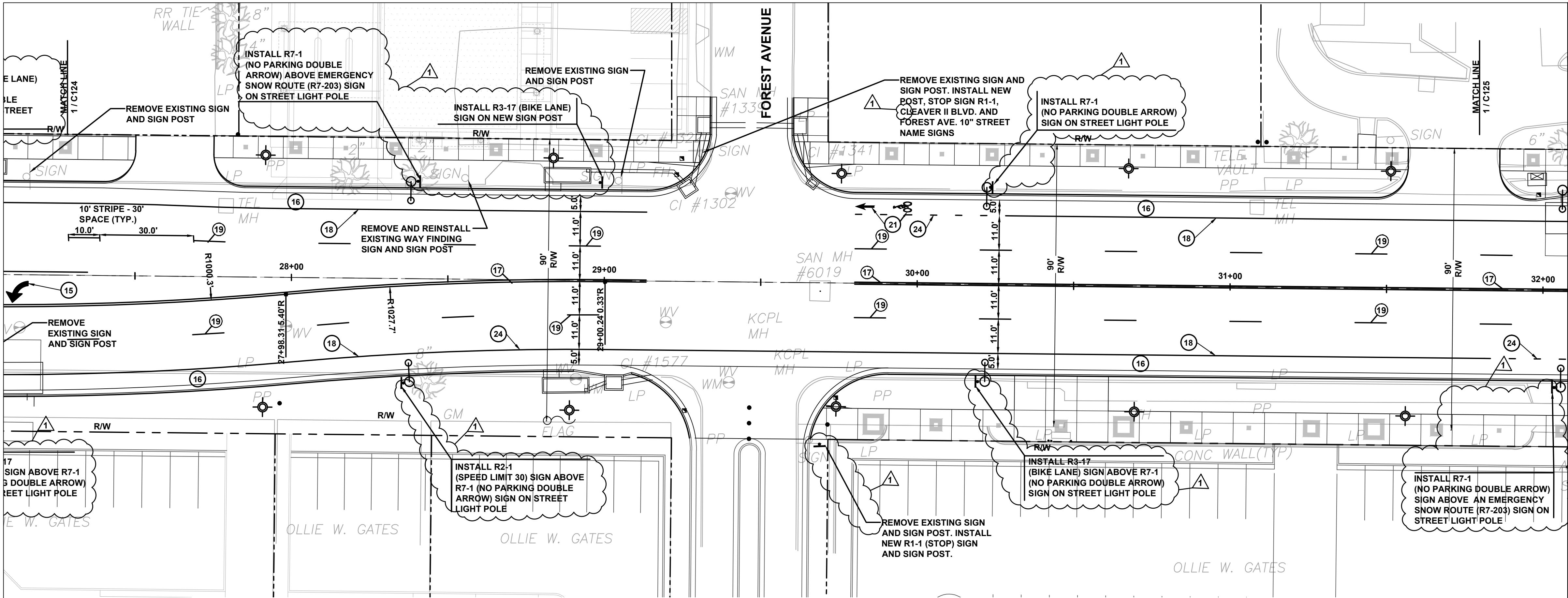
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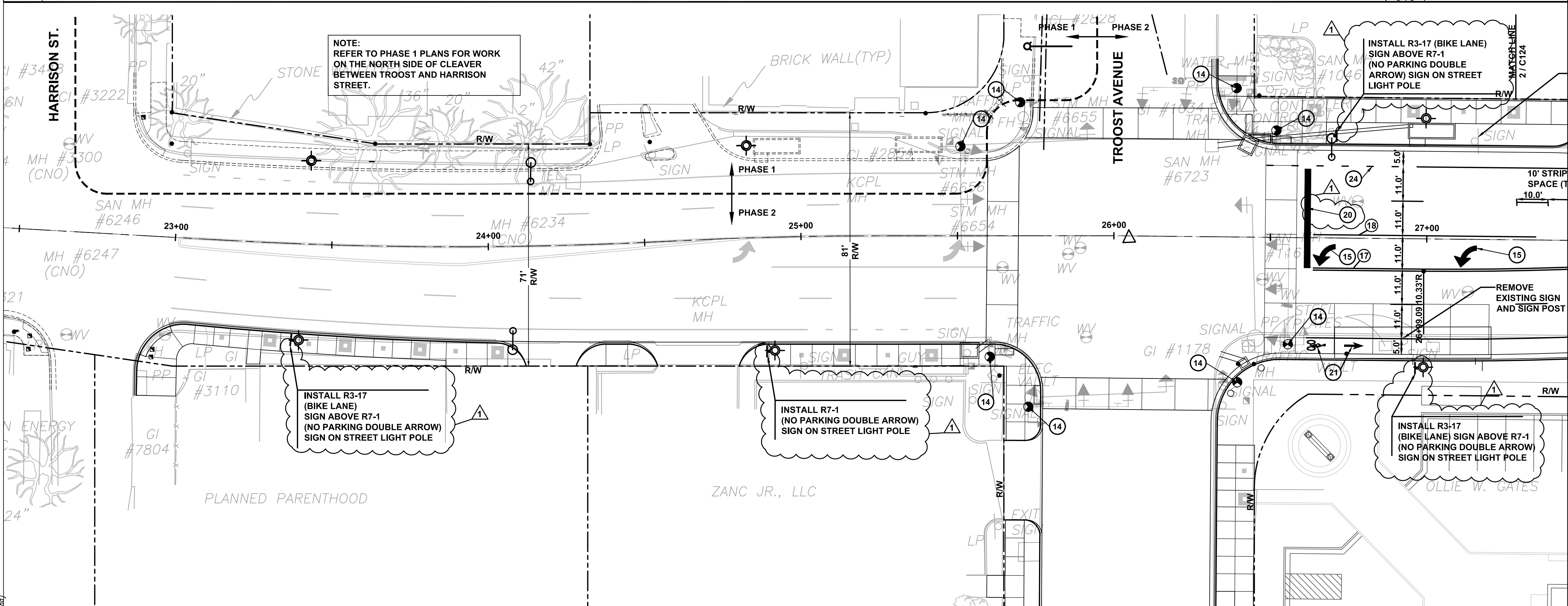
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2 STATION 26+85 TO 31+70
SCALE 1"=20'-0"



1 STATION 22+70 TO 27+30
SCALE 1"=20'-0"

LEGEND

- 14 TRAFFIC SIGNAL INSTALLED UNDER A SEPARATE CONTRACT BY KCMO
- 15 THERMOPLASTIC DIRECTIONAL ARROW
- 16 4' BIKE LANE
- 17 4" WIDE DOUBLE YELLOW THERMOPLASTIC LANE STRIPE
- 18 6" WIDE SINGLE WHITE THERMOPLASTIC LANE STRIPE
- 19 4" WIDE SINGLE WHITE BROKEN THERMOPLASTIC LANE STRIPE
- 20 24" WIDE WHITE THERMOPLASTIC CROSSWALK BAR
- 21 BICYCLIST AND ARROW PAVEMENT MARKINGS (TYP.)
- 22 R3-17 BIKE LANE SIGN PER MUTCD STANDARDS
- 23 R3-17 BIKE LANE SIGN WITH R3-17B "ENDS" PLAQUE UNDER BIKE LANE SIGN PER MUTCD STANDARDS
- 24 6" WIDE BROKEN SINGLE WHITE THERMOPLASTIC LANE STRIPE

NOTE: ALL SIGNAGE AND STRIPING SHALL BE PER MUTCD REQUIREMENTS

ADDENDUM 2	NO.	REVISIONS	DATE

STATE OF MISSOURI
SASSAN MAHOBIAN
NUMBER E-20861
REGISTERED PROFESSIONAL ENGINEER

KANSAS CITY, MO PARKS & RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASEO
PHASE 2
SIGNAGE AND STRIPING PLAN - 1

INTEGRATING NATURE
AND ARCHITECTURE
BOWMAN BOWMAN
NOWICK, INC.
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

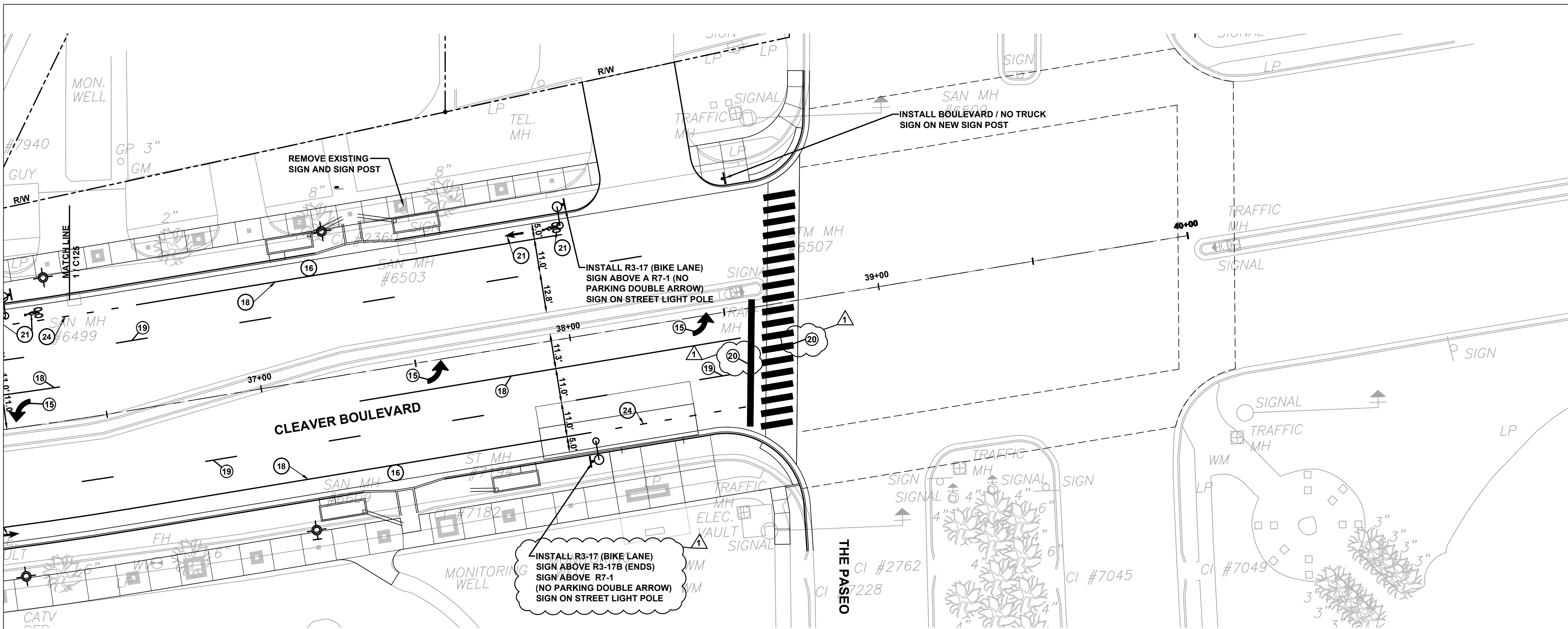
PROJECT
CLEAVER II BLVD. STREETSCAPE

DATE
07/20/12

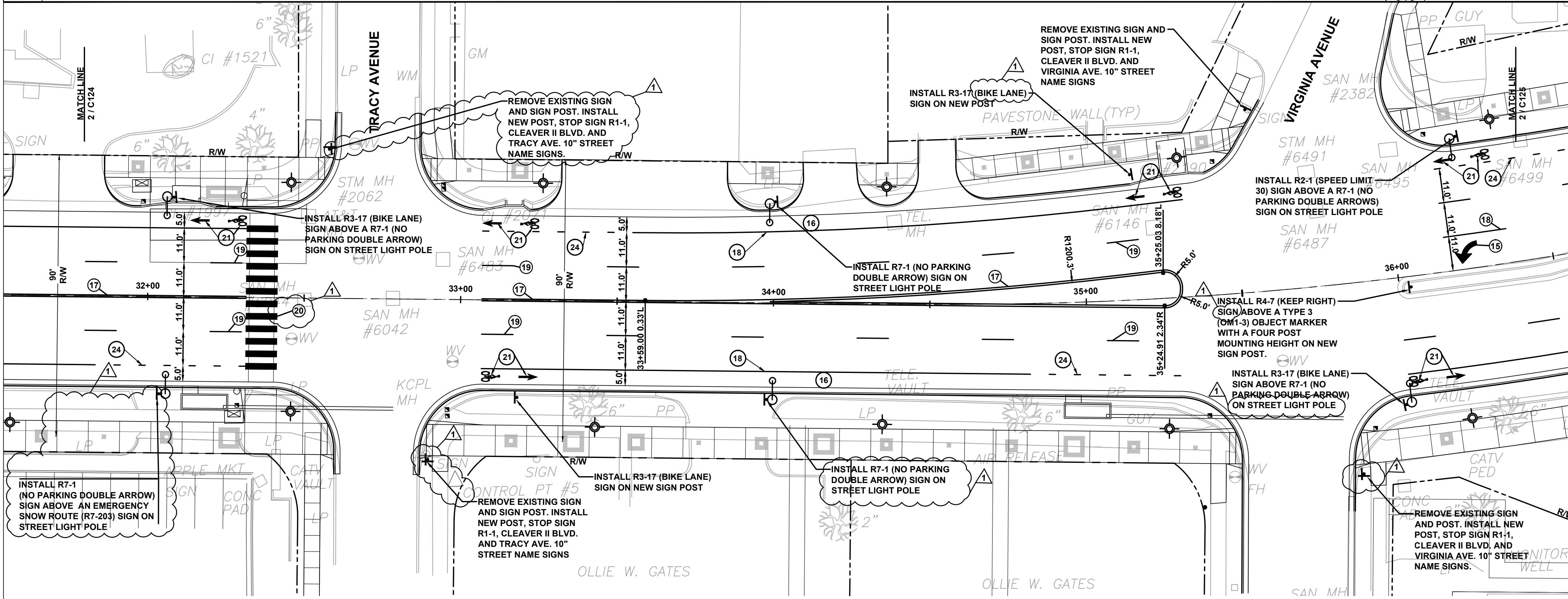
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G70091307 / STP-3387(406)

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C124

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2 STATION 36+20 TO 40+00
SCALE 1"=20'-0"



1 STATION 31+70 TO 36+20
SCALE 1"=20'-0"

LEGEND

- 14 TRAFFIC SIGNAL INSTALLED UNDER A SEPARATE CONTRACT BY KCMO
- 15 THERMOPLASTIC DIRECTIONAL ARROW
- 16 4' BIKE LANE
- 17 4" WIDE DOUBLE YELLOW THERMOPLASTIC LANE STRIPE
- 18 6" WIDE SINGLE WHITE THERMOPLASTIC LANE STRIPE
- 19 4" WIDE SINGLE WHITE BROKEN THERMOPLASTIC LANE STRIPE
- 20 24" WIDE WHITE THERMOPLASTIC CROSSWALK BAR
- 21 BICYCLIST AND ARROW PAVEMENT MARKINGS (TYP.)
- 22 R3-17 BIKE LANE SIGN PER MUTCD STANDARDS
- 23 R3-17 BIKE LANE SIGN WITH R3-17B "ENDS" PLAQUE UNDER BIKE LANE SIGN PER MUTCD STANDARDS
- 24 6" WIDE BROKEN SINGLE WHITE THERMOPLASTIC LANE STRIPE

NOTE: ALL SIGNAGE AND STRIPING SHALL BE PER MUTCD REQUIREMENTS

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STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
SASSAN MAHOBIAN
NUMBER E-20861

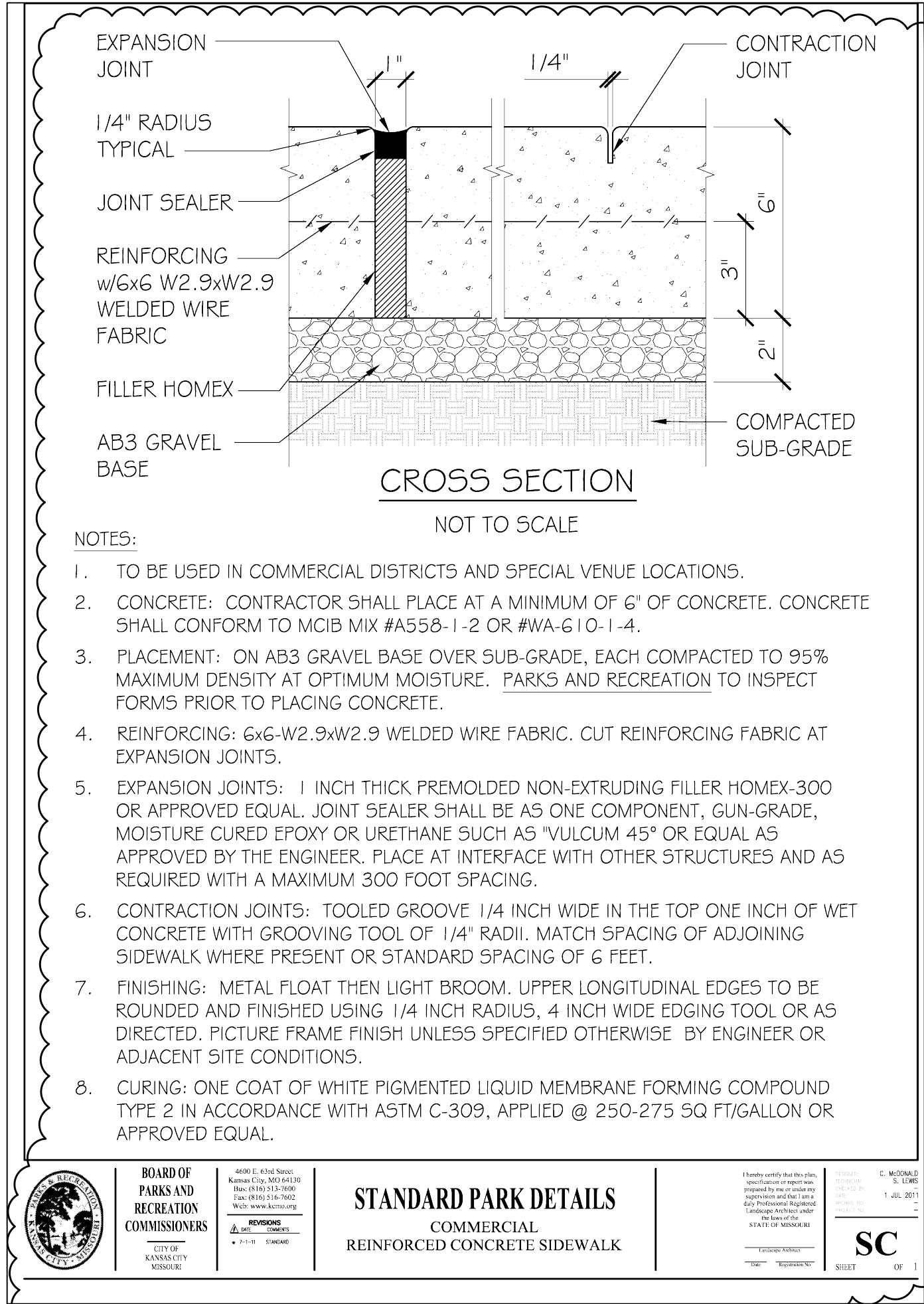
KC Parks
KANSAS CITY, MO PARKS & RECREATION DEPARTMENT

**EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASEO
PHASE 2
SIGNAGE AND STRIPING PLAN - 2**

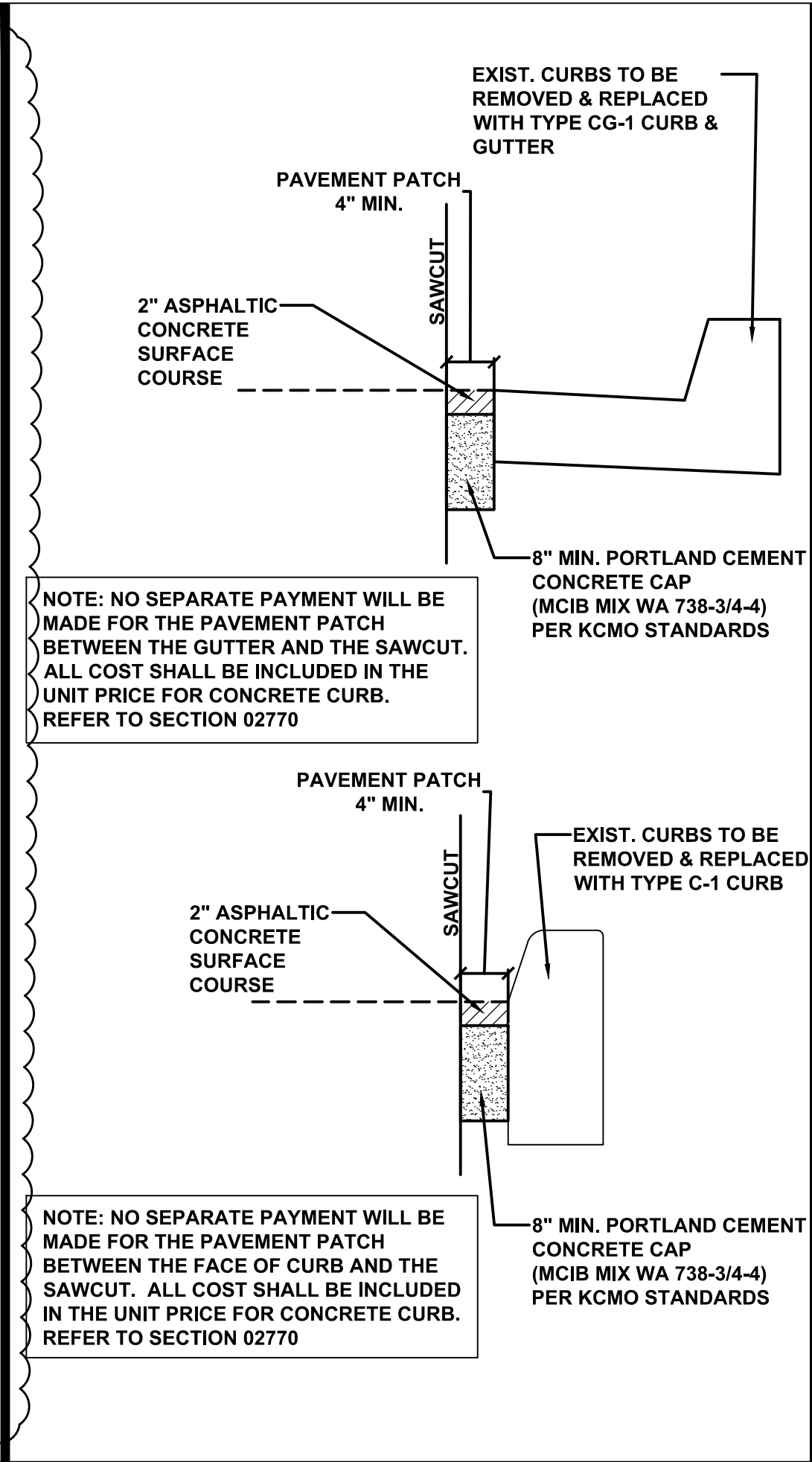
**INTEGRATING NATURE
AND ARCHITECTURE**
**BOWMAN BOWMAN
NOWICK, INC.**
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

PROJECT: CLEAVER II BLVD. STREETSCAPE
DATE: 07/20/12
JOB NO.: G70091307 / STP-3387(406)
SHEET NO.: **C125**

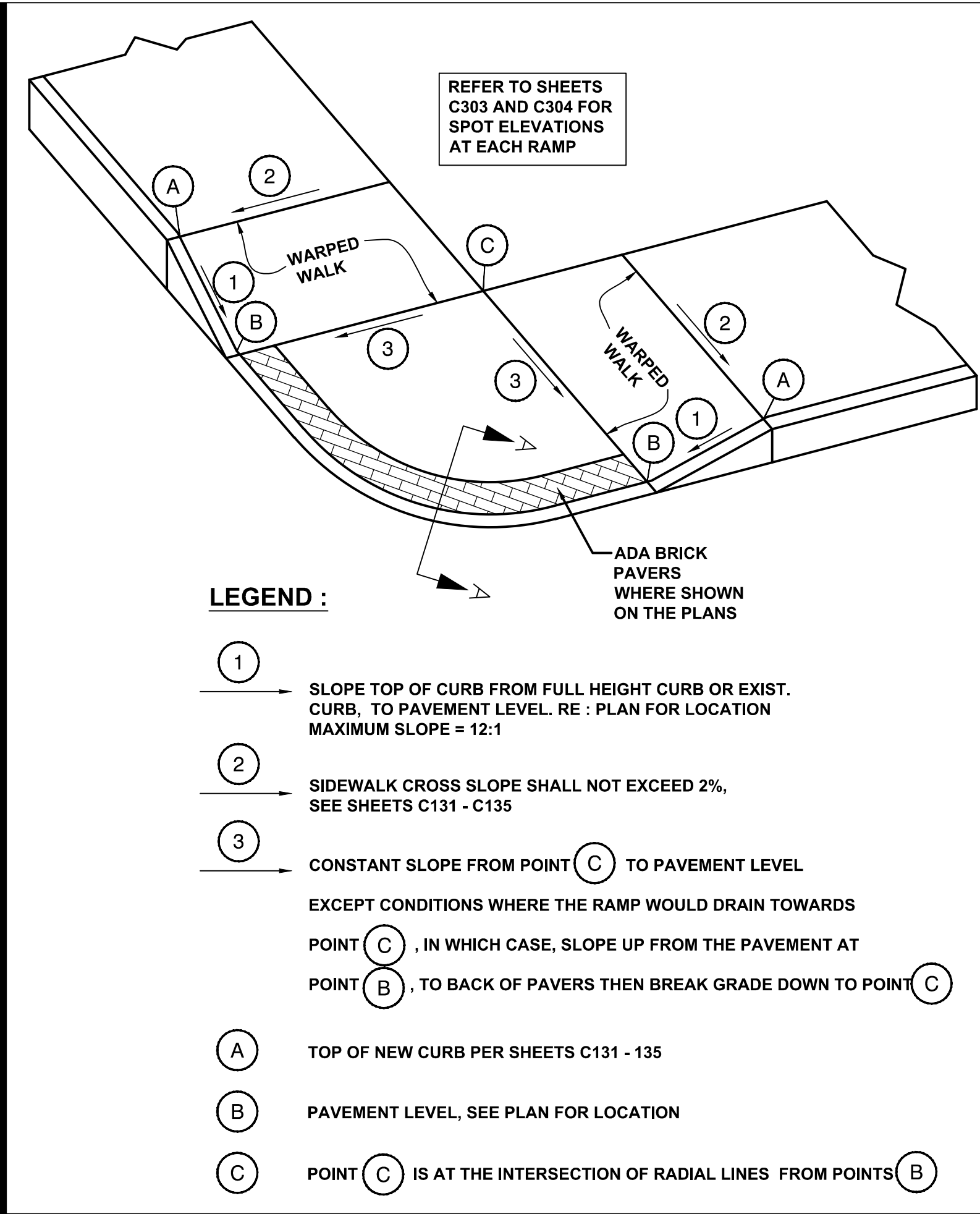
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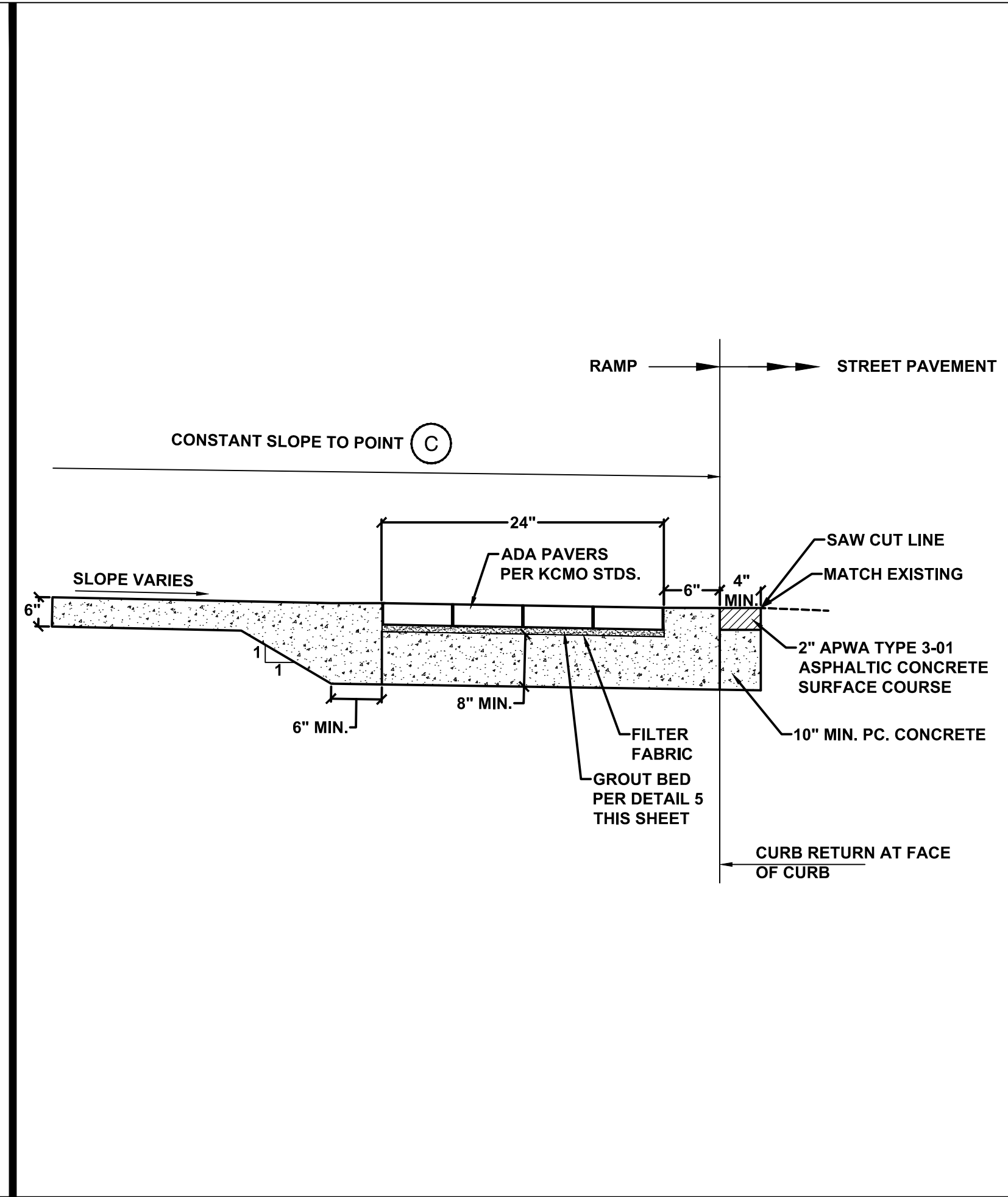
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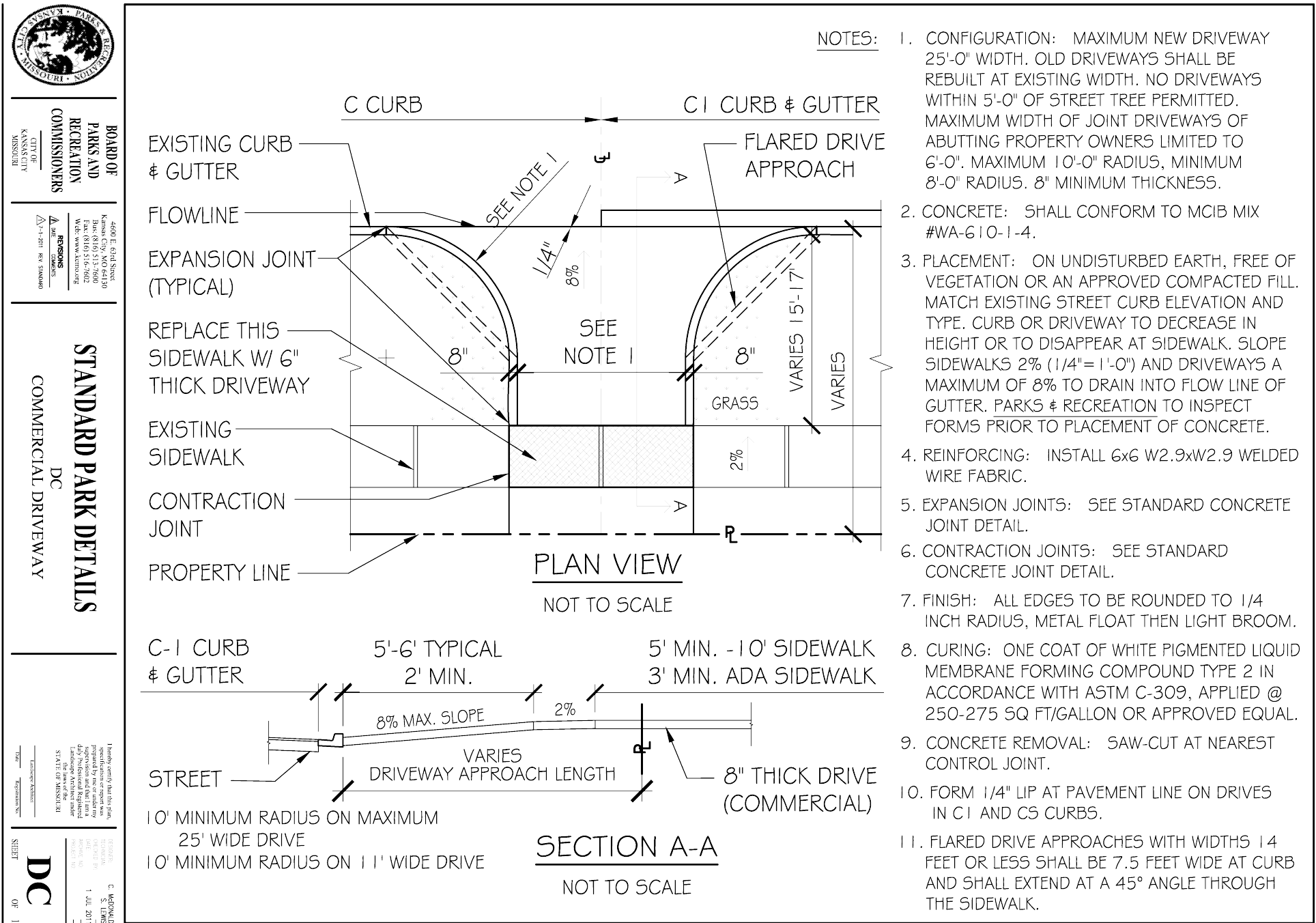
2 TYPICAL CURB REPLACEMENT DETAIL Not to Scale



3 TYPICAL CURB RAMP AT INTERSECTION Not to Scale



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4 COMMERCIAL CONCRETE DRIVEWAY

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1 REINFORCED CONCRETE BUS STOP / CONCRETE CROSSWALK

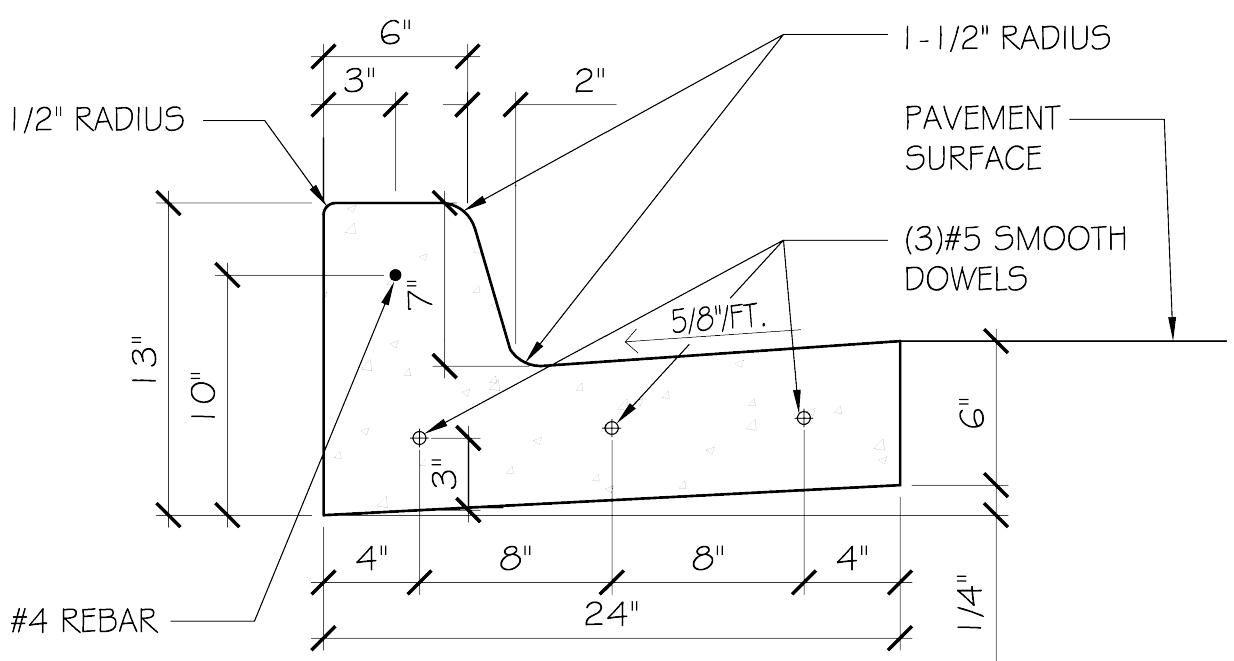
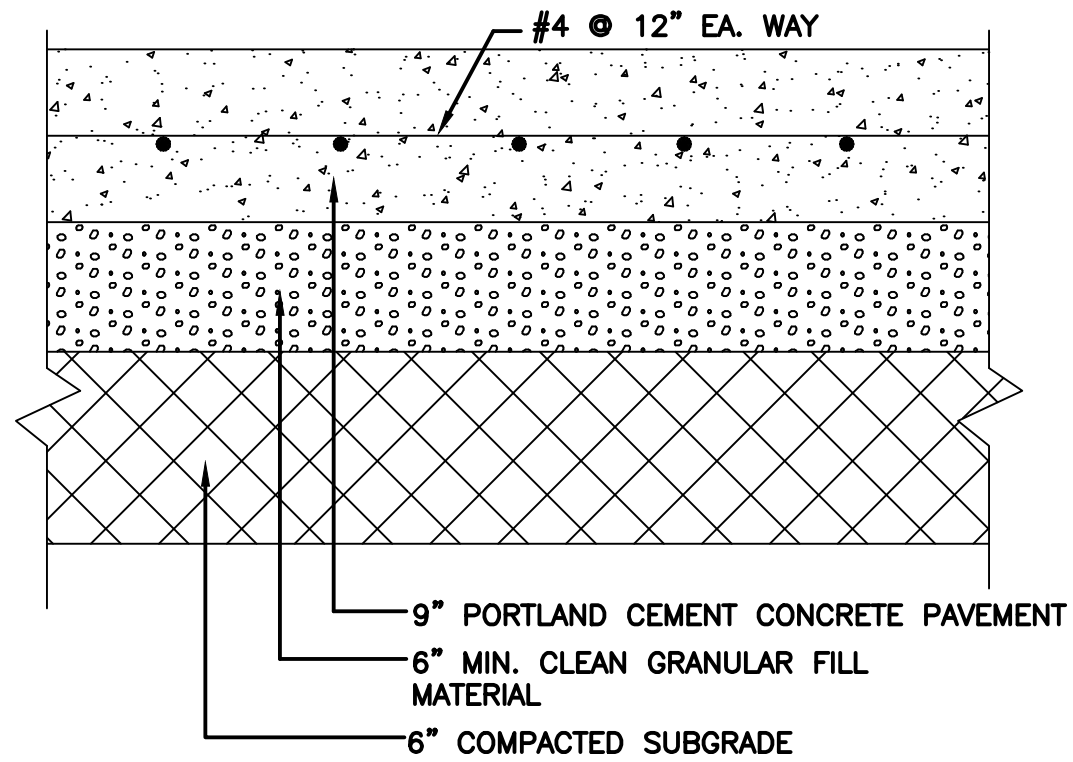
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2 TYPE C1 CONCRETE CURB AND GUTTER DETAIL

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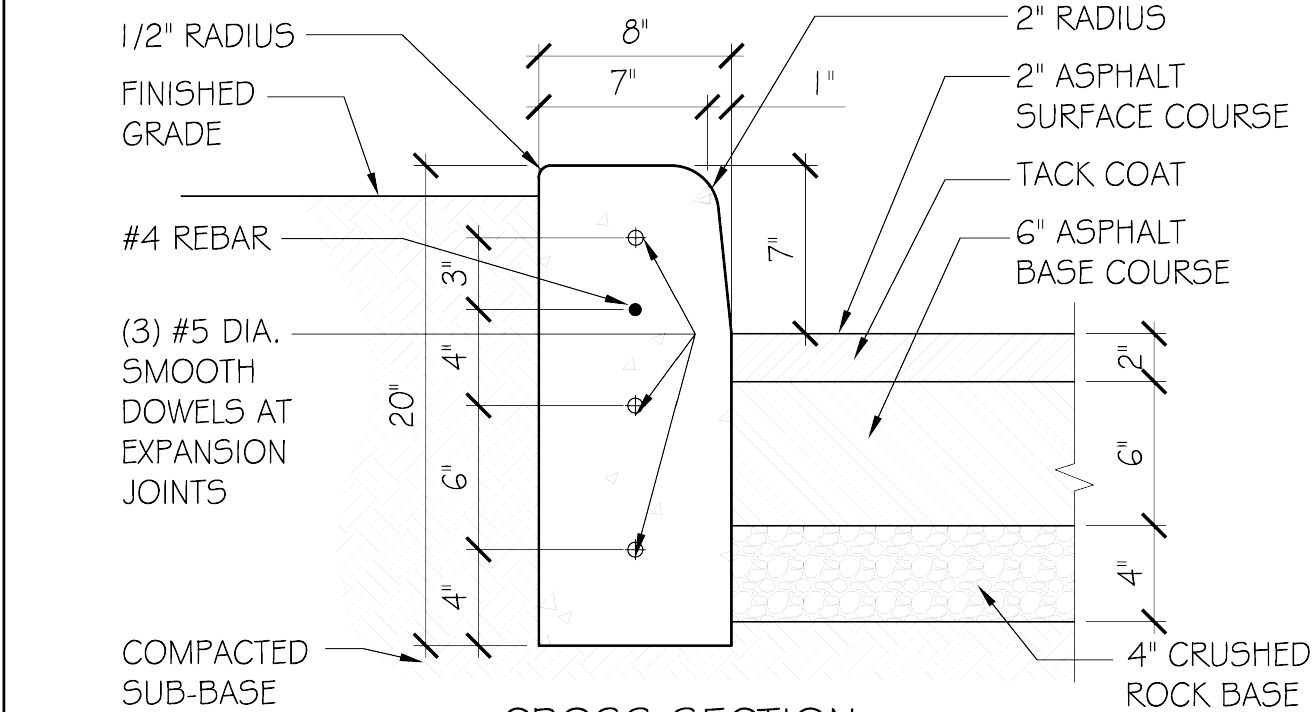
3 TYPE C REINFORCED CONCRETE CURB

Not to Scale



NOTES:

1. CONCRETE: CONCRETE SHALL CONFORM TO MCIB MIX #A558-1-2 OR #WA-610-1-4. DEPTH OF CURB SHALL BE MINIMUM OF 8" THRU THE HANDICAP ACCESS RAMP.
2. PLACEMENT: ON UNDISTURBED EARTH FREE OF VEGETATION OR ON APPROVED FILL COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE. PARKS AND RECREATION TO INSPECT FORMS PRIOR TO PLACING CONCRETE.
3. DOWELS: USE 5/8" DIA. x 2' SMOOTH DOWELS "Φ" AT LOCATIONS SHOWN.
4. EXPANSION JOINTS: 3/4" EXPANSION JOINTS WITH 2' DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
5. CONTRACTION JOINTS: 1" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
6. REINFORCING: ONE #4 REBAR CONTINUOUS IN FACE OF CURB.
7. FINISHING: METAL FLOAT THEN LIGHT BROOM.
8. BACKFILL: APPROVED COMPACTED EARTH SLOPED (1/4 INCH PER FOOT) TOWARDS STREET OR AS DIRECTED OTHERWISE. SEED OR SOD AS DIRECTED.
9. CURING: ONE COAT OF WHITE PIGMENTED LIQUID MEMBRANE FORMING COMPOUND TYPE 2 IN ACCORDANCE WITH ASTM C-309, APPLIED AT 250-275 SQ FT/ GALLON OR APPROVED EQUAL.
10. CURB REMOVAL: SAW-CUT AT NEAREST CONTROL JOINT.

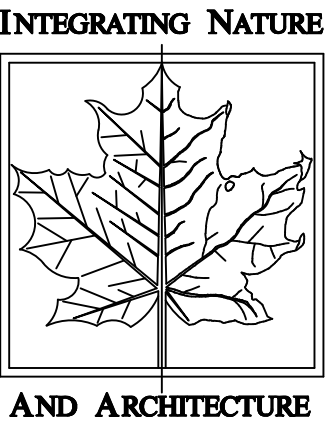


NOTES:

1. CONCRETE: CONCRETE SHALL CONFORM TO MCIB MIX #A558-1-2 OR #WA-610-1-4. DEPTH OF CURB SHALL BE MINIMUM OF 8" THRU THE HANDICAP ACCESS RAMP.
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10. CURB REMOVAL: SAW-CUT AT NEAREST CONTROL JOINT.



EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASEO
PHASE 2
DETAILS - 5



BOWMAN BOWMAN
NOVICK, INC.
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

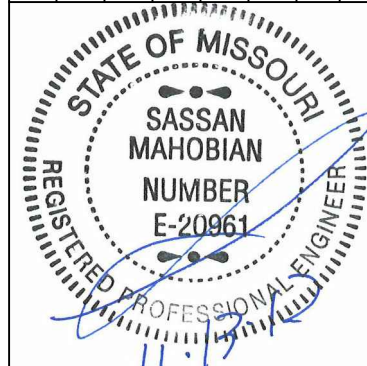
PROJECT
CLEAVER II BLVD. STREETSCAPE

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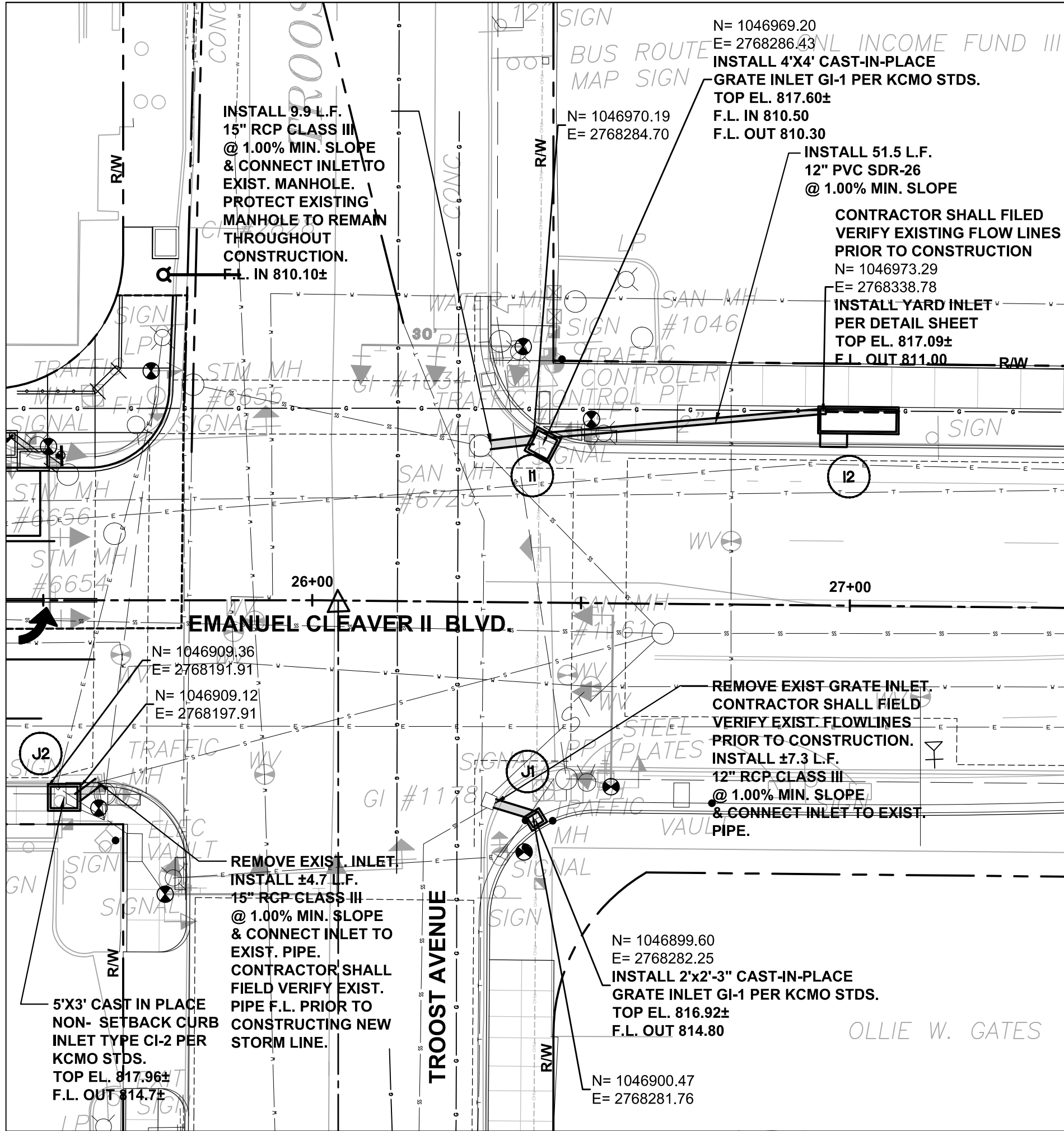
JOB NO.
G70091307 / STP-3387(406)

SHEET NO.
C325

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1 STORM SEWER LINES
@ TROOST AVE. AND CLEAVER II BLVD.

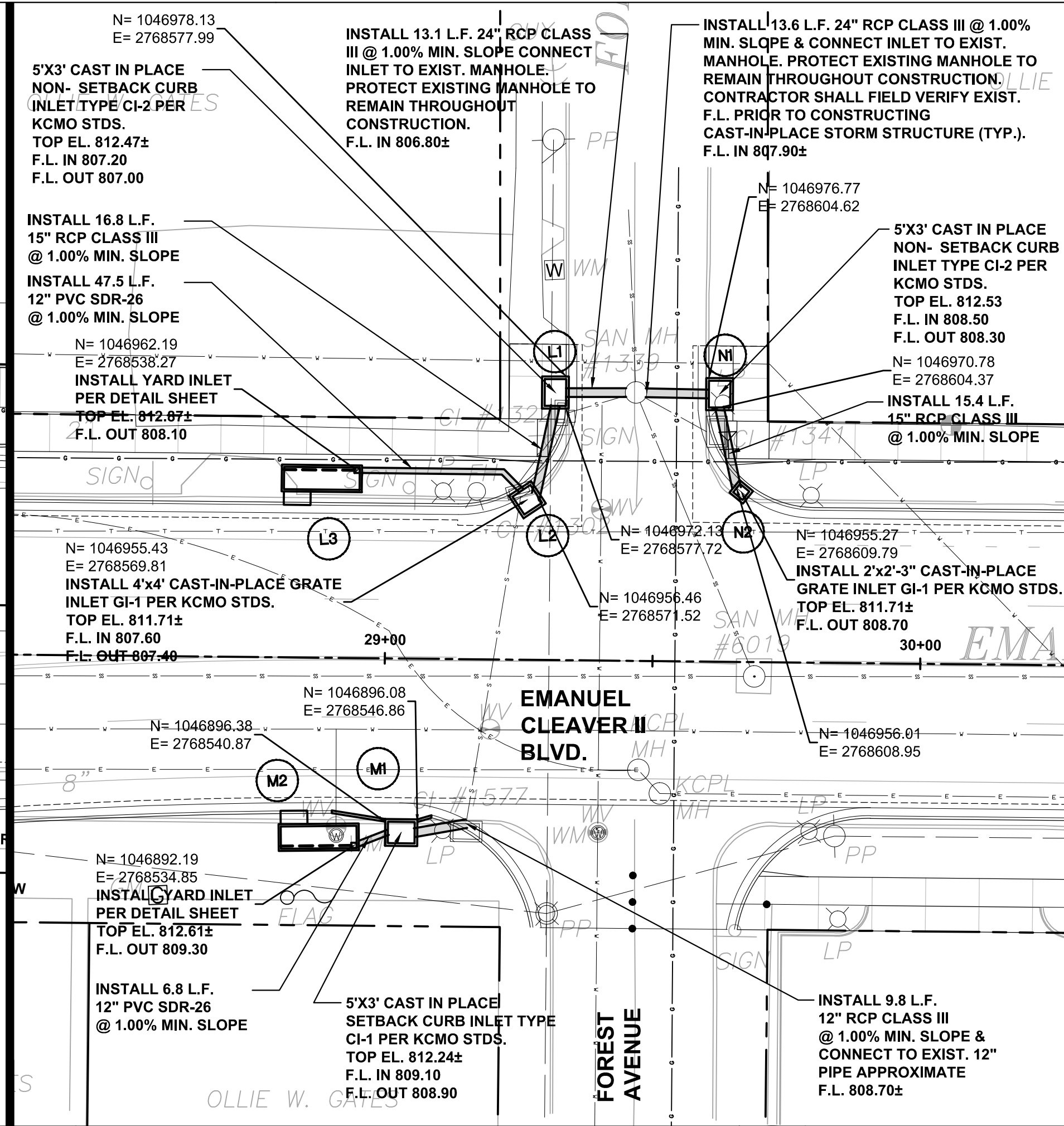
Storm Sewer Construction Procedure Notes:
Note: There are many existing utilities in the right of way. The precise location and depth of these utilities are unknown. Storm sewer construction shall be performed in the following order. All work described below shall be part of Contractor's bid unless specifically noted otherwise.

- Contractor shall have all utilities marked by the utility companies.
- Contractor shall obtain as-built drawings from all utility companies.
- Contractor shall expose existing utilities where they cross the new storm sewer route. The precise location, size and depth to the top and bottom of the utility, storm structures, as well as all utility markings, shall be surveyed by a Registered Land Surveyor, and provided to the Engineer along with all as-built drawings obtained from the utility companies.
- Contractor shall clean and flush existing utilities and pipes for which no information is provided.
- If there are no conflicts, construct storm sewer per plan. If unavoidable conflicts exist, Contractor shall propose a different route for the storm sewer that avoids conflicts and/or minimizes conflicts.
- Any utilities that may be in conflict with the revised proposed route shall be exposed to verify that the proposed alignment works, and surveyed by a Registered Land Surveyor per Note 3 above.
- Survey information along with all as-built information and the proposed alignment shall be provided to the Engineer and the City for their review.
- If approved by the City and the Engineer, the Contractor shall proceed with construction of storm sewers per the revised alignment.
- If the new alignment requires a longer length of pipe or additional storm sewer structures, a change order will be issued for this extra work.
- If the Engineer determines that relocation of existing utilities is unavoidable, any utility relocation costs will be paid for by the City.

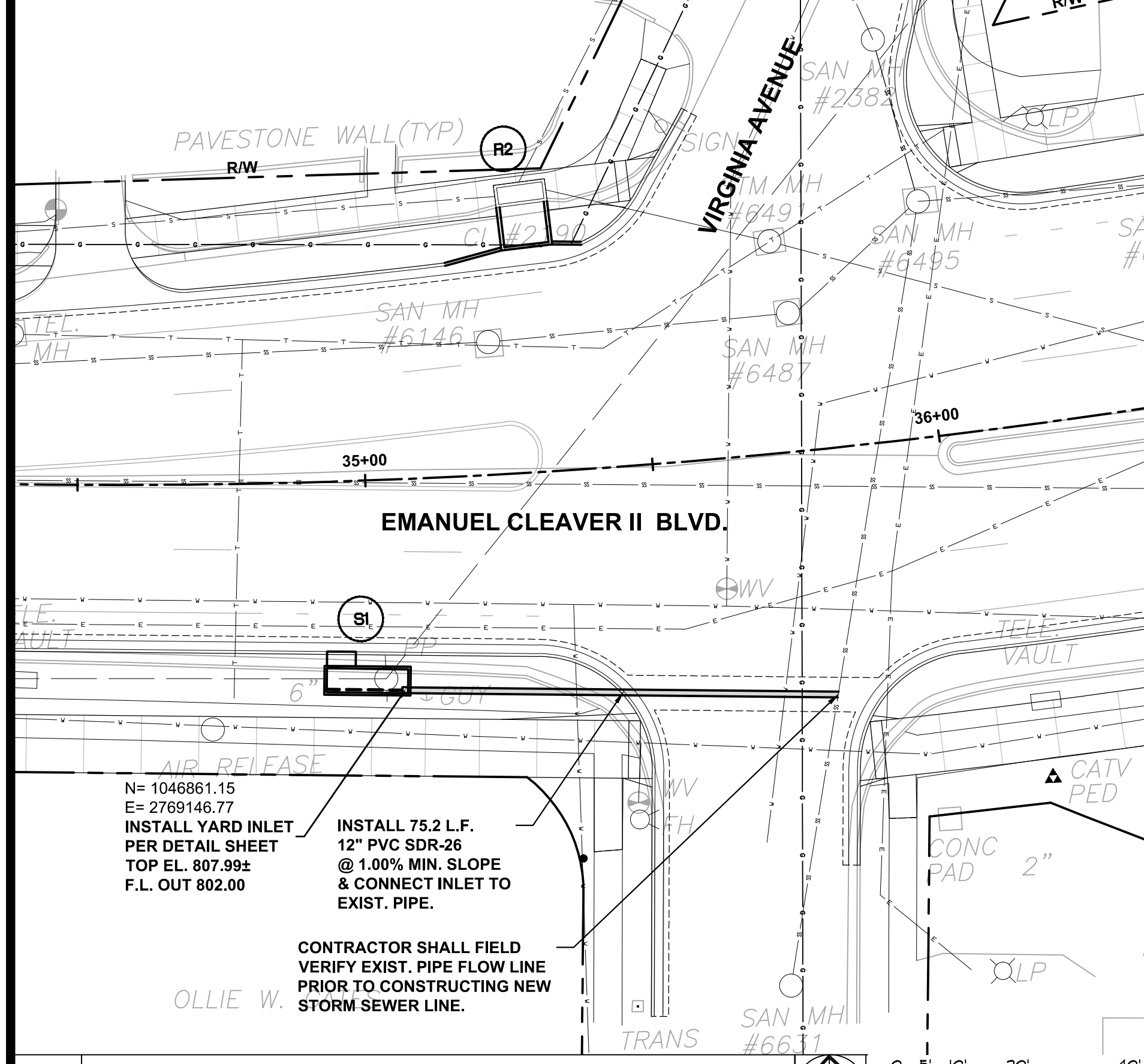
NOTE:

- THE INFORMATION CONCERNING THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON, WHICH ARE NOT VISIBLE FROM THE SURFACE, HAS BEEN TAKEN FROM THE RECORDS OF THE VARIOUS UTILITY COMPANIES AND HAS NOT BEEN VERIFIED IN THE FIELD BY THIS COMPANY. THESE LOCATIONS ARE NOT TO BE CONSTRUED AS ACCURATE OR EXACT. WHERE MEASUREMENTS WERE NOT AVAILABLE, THE LOCATION OF THESE UNDERGROUND LINES WERE SCALED FROM THE COMPANIES RECORDS. BEFORE BEGINNING ANY CONSTRUCTION OR EXCAVATION, CONTRACTOR SHALL CALL MISSOURI ONE-CALL SYSTEM, INC. AT 1-800-344-7483
- THERE ARE EXISTING UTILITY LINES AND SERVICE LINES WITHIN THE CONSTRUCTION LIMITS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING THESE LINES. RELOCATION OF EXISTING LINES, IF IN CONFLICT WITH NEW CONSTRUCTION, WILL BE PAID FOR BY THE CITY AS A CHANGE ORDER TO THE CONTRACT. ANY RELOCATION MUST BE COORDINATED WITH THE CITY AND THE ARCHITECT.
- EXISTING SERVICES MUST BE MAINTAINED TO ALL PROPERTIES AT ALL TIMES. DISRUPTION OF EXISTING SERVICES SHALL BE COORDINATED WITH THE AFFECTED PROPERTY OWNERS A MINIMUM OF 72 HOURS PRIOR TO THE DISRUPTION.

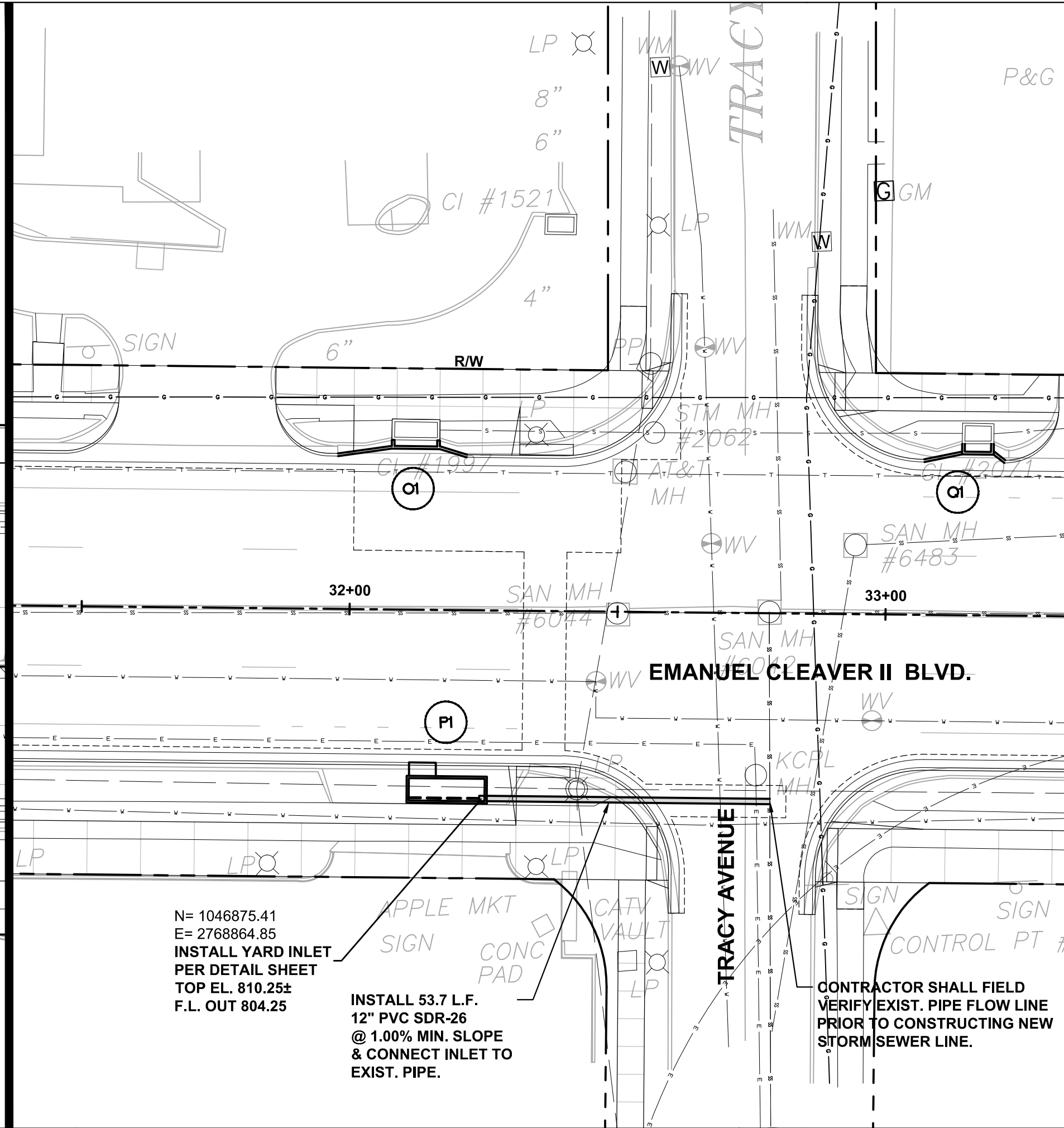
NOTE:
SEE SHEETS C131 AND C132
FOR STORM SEWER
STRUCTURE TOP
ELEVATIONS.



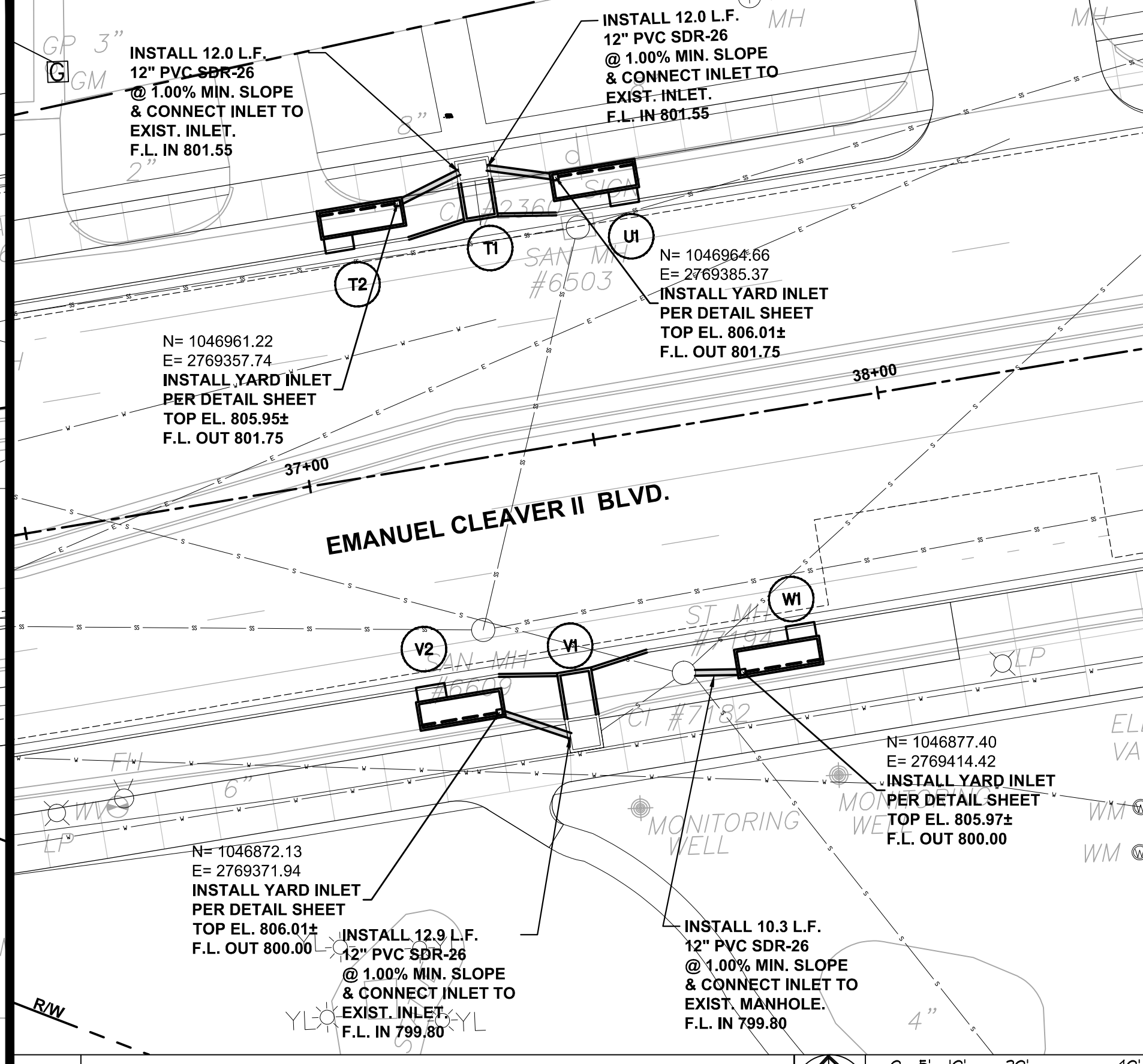
2 STORM SEWER LINES
@ FOREST AVE. AND CLEAVER II BLVD.



4 STORM SEWER LINES
@ VIRGINIA AVE. AND CLEAVER II BLVD.



3 STORM SEWER LINES
@ TRACY AVE. AND CLEAVER II BLVD.



5 STORM SEWER LINES
@ CLEAVER II BLVD. STA: 37+50

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
SASSAN MAHOBIAN
NUMBER E-20961

KC Parks
KANSAS CITY, MO PARKS &
RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASEO
PHASE 2
STORM SEWER PLANS

INTEGRATING NATURE
AND ARCHITECTURE

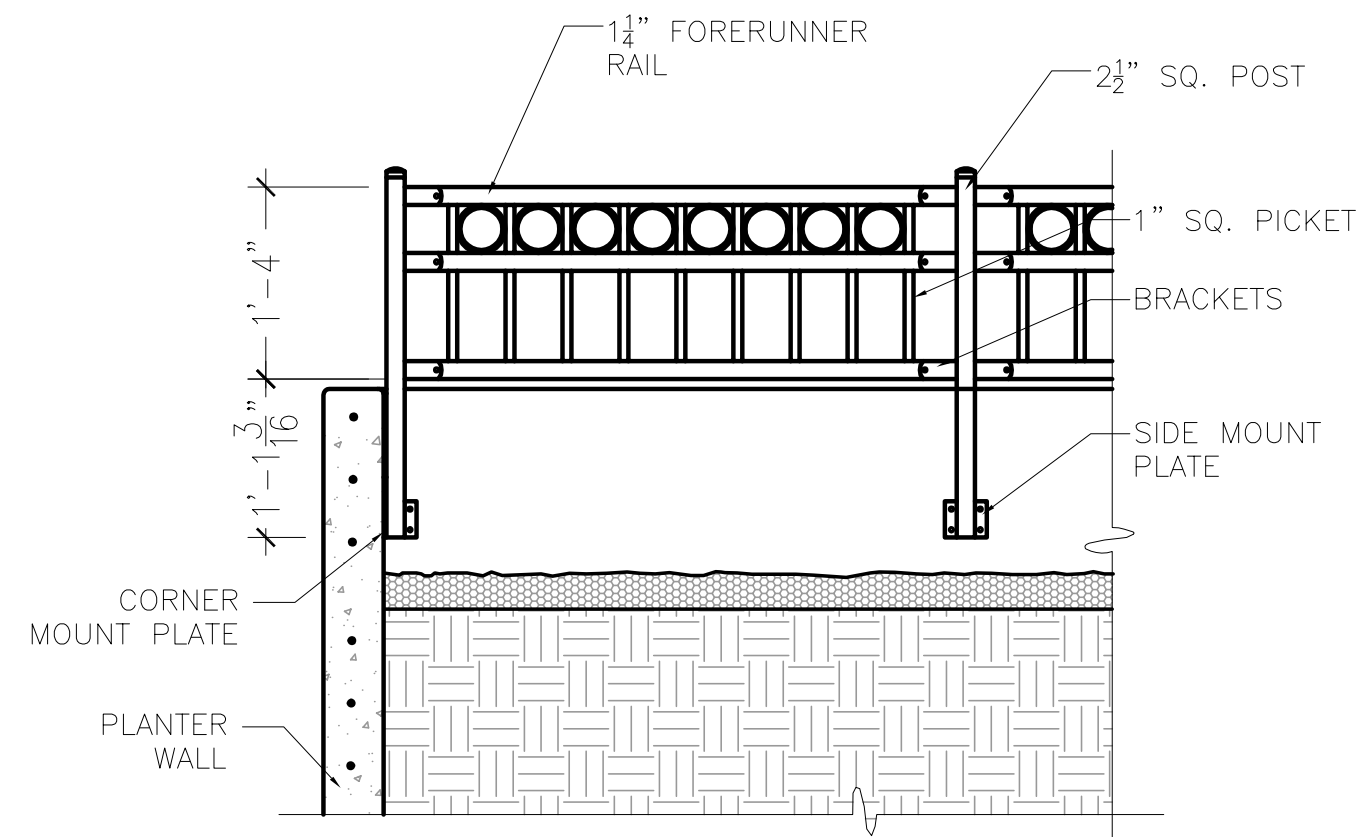
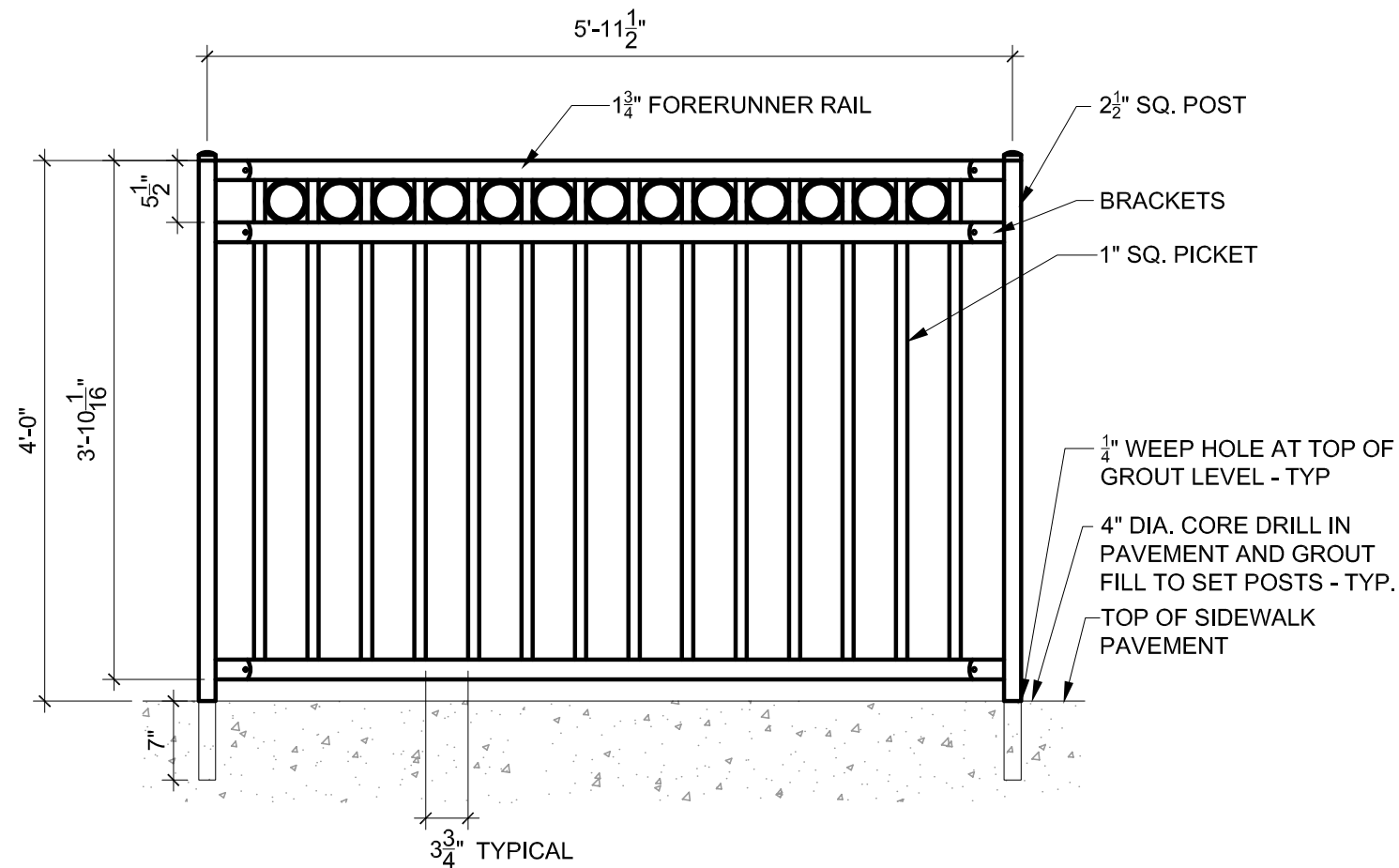
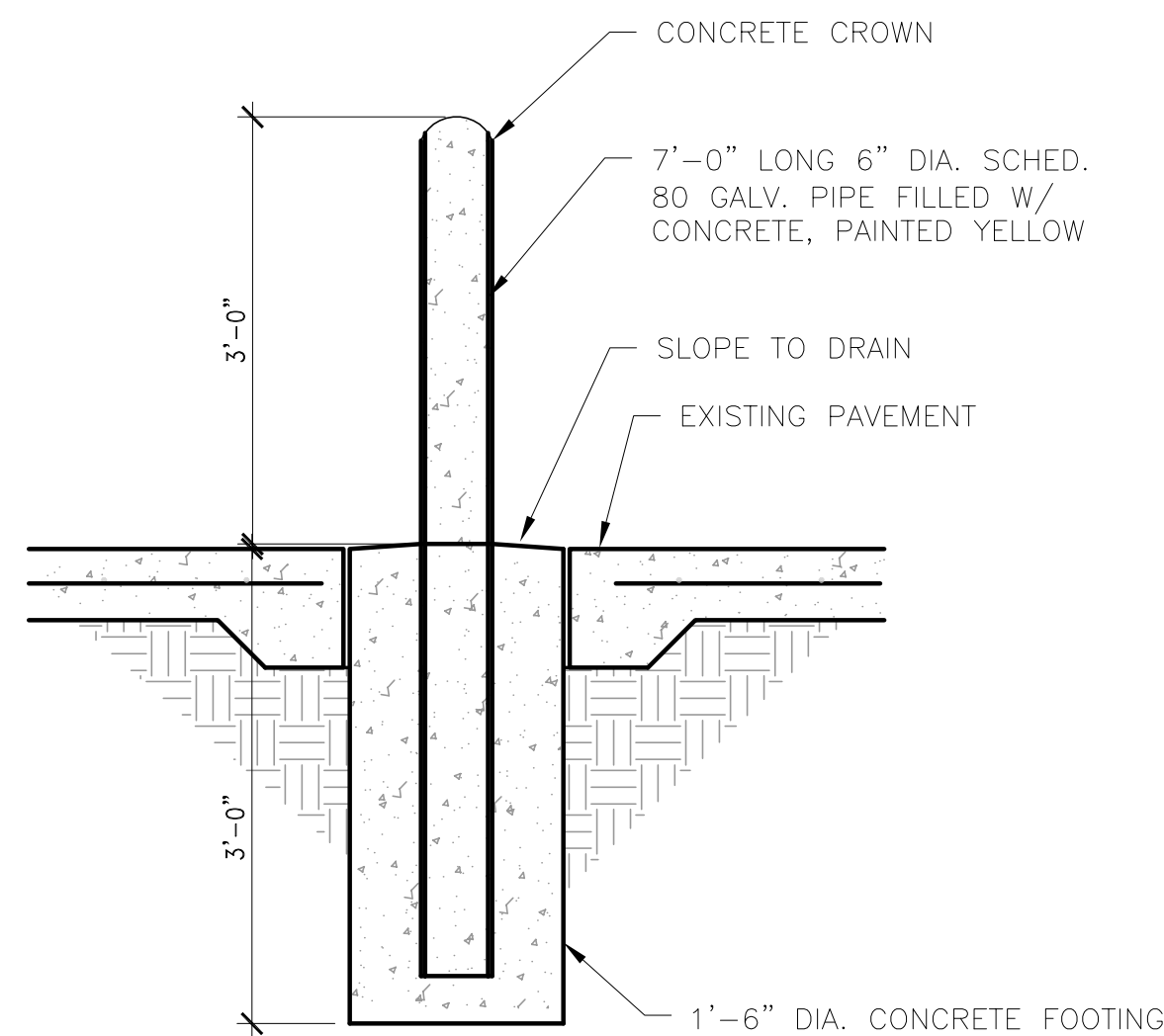
**BOWMAN BOWMAN
NOVICK, INC.**
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

PROJECT:
CLEAVER II BLVD. STREETSCAPE

DATE:
07/20/12

JOB NO.:
G70091307 / STP-3387(406)

SHEET NO.
C501



10	PROTECTION BOLLARD
----	--------------------

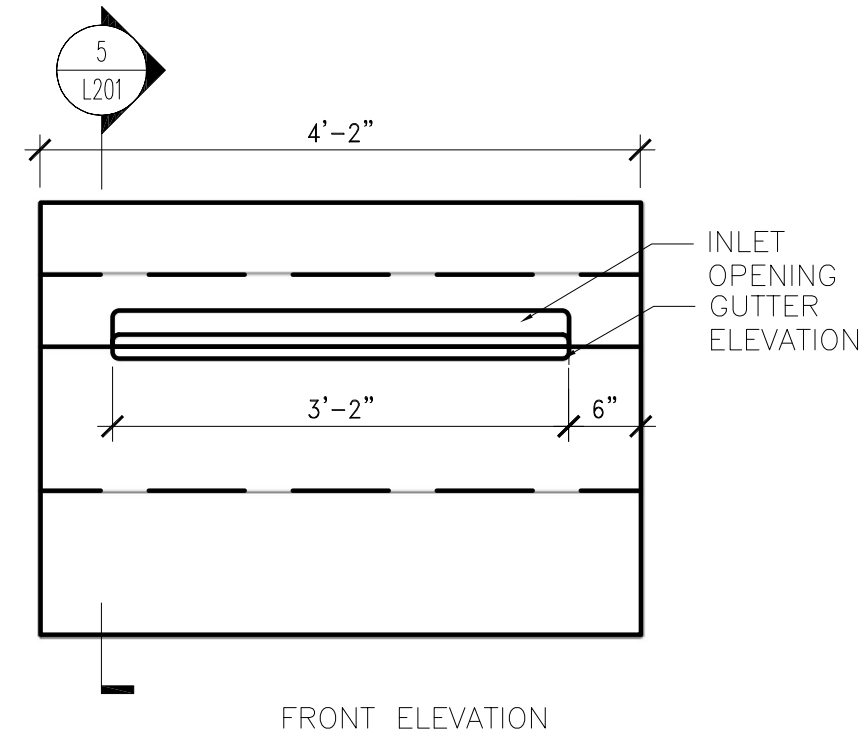
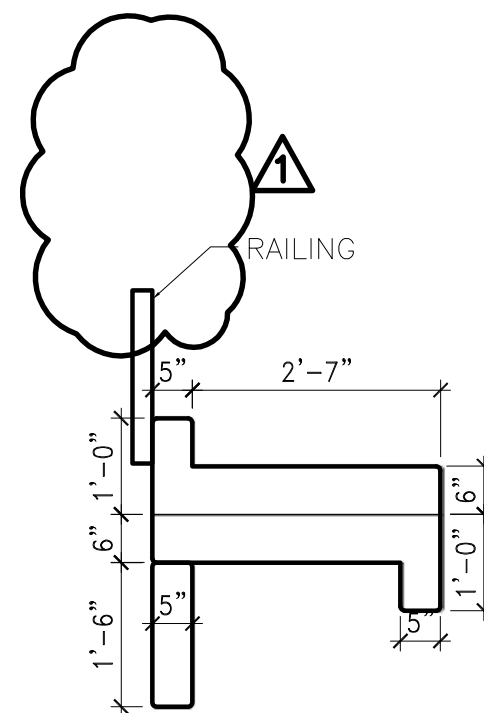
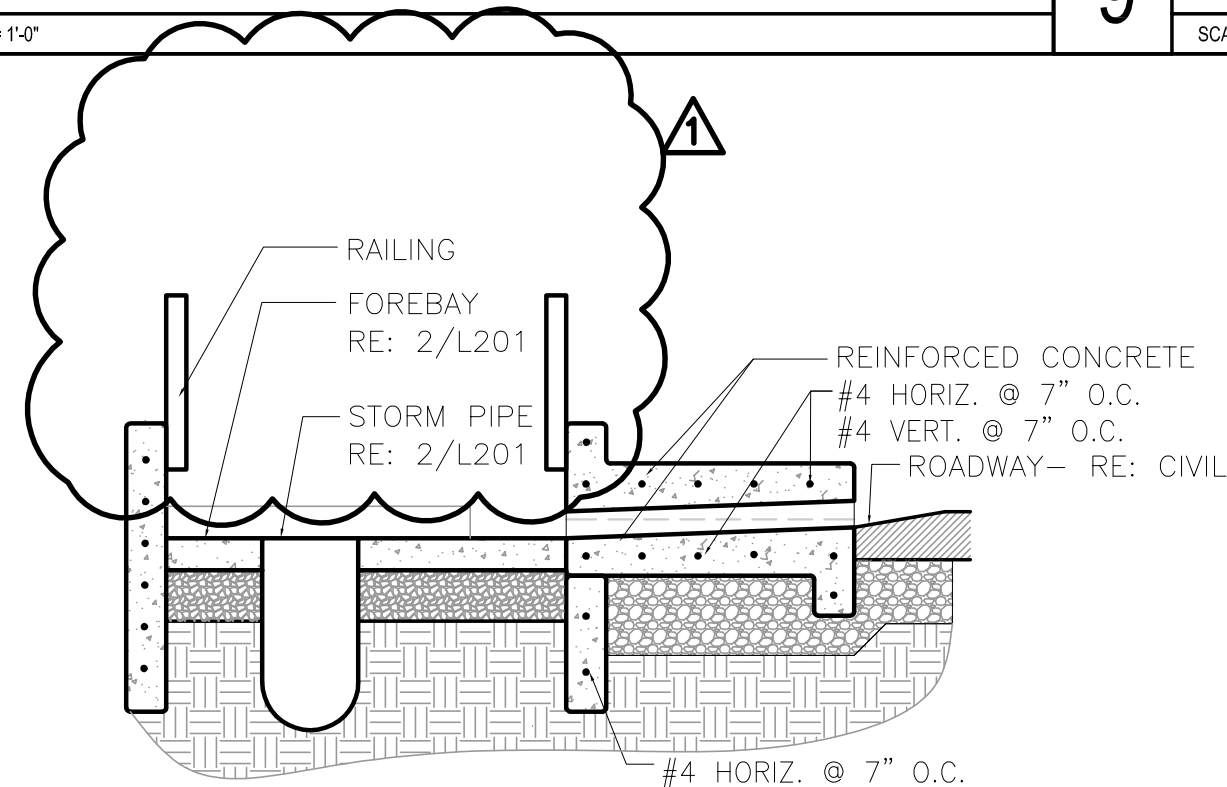
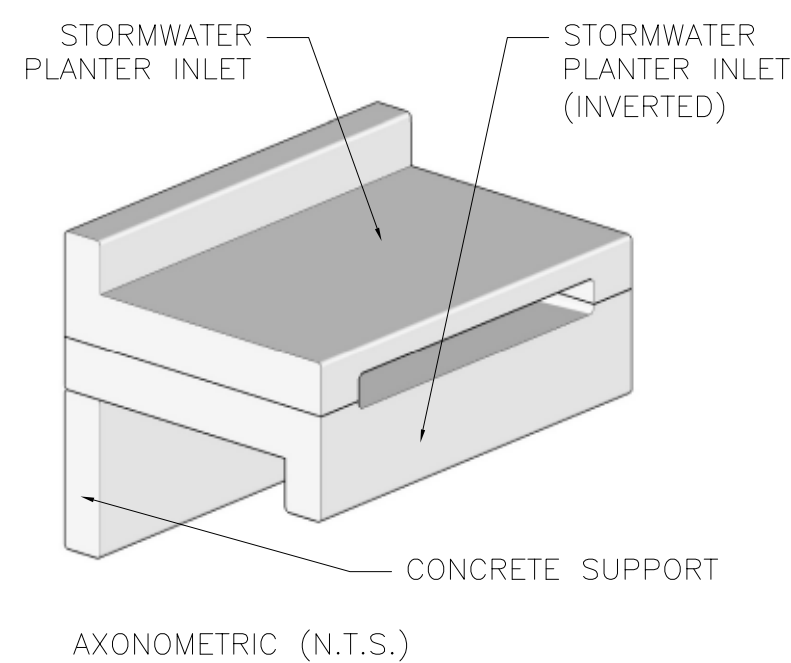
SCALE: 3/4" = 1'-0"

9	ORNAMENTAL RAILING
---	--------------------

SCALE: 3/4" = 1'-0"

8	PLANTER RAILING
---	-----------------

SCALE: 3/4" = 1'-0"



7	STORM PLANTER INLET DETAIL
---	----------------------------

SCALE: NTS

6	CURB INLET/ FOREBAY SECTION
---	-----------------------------

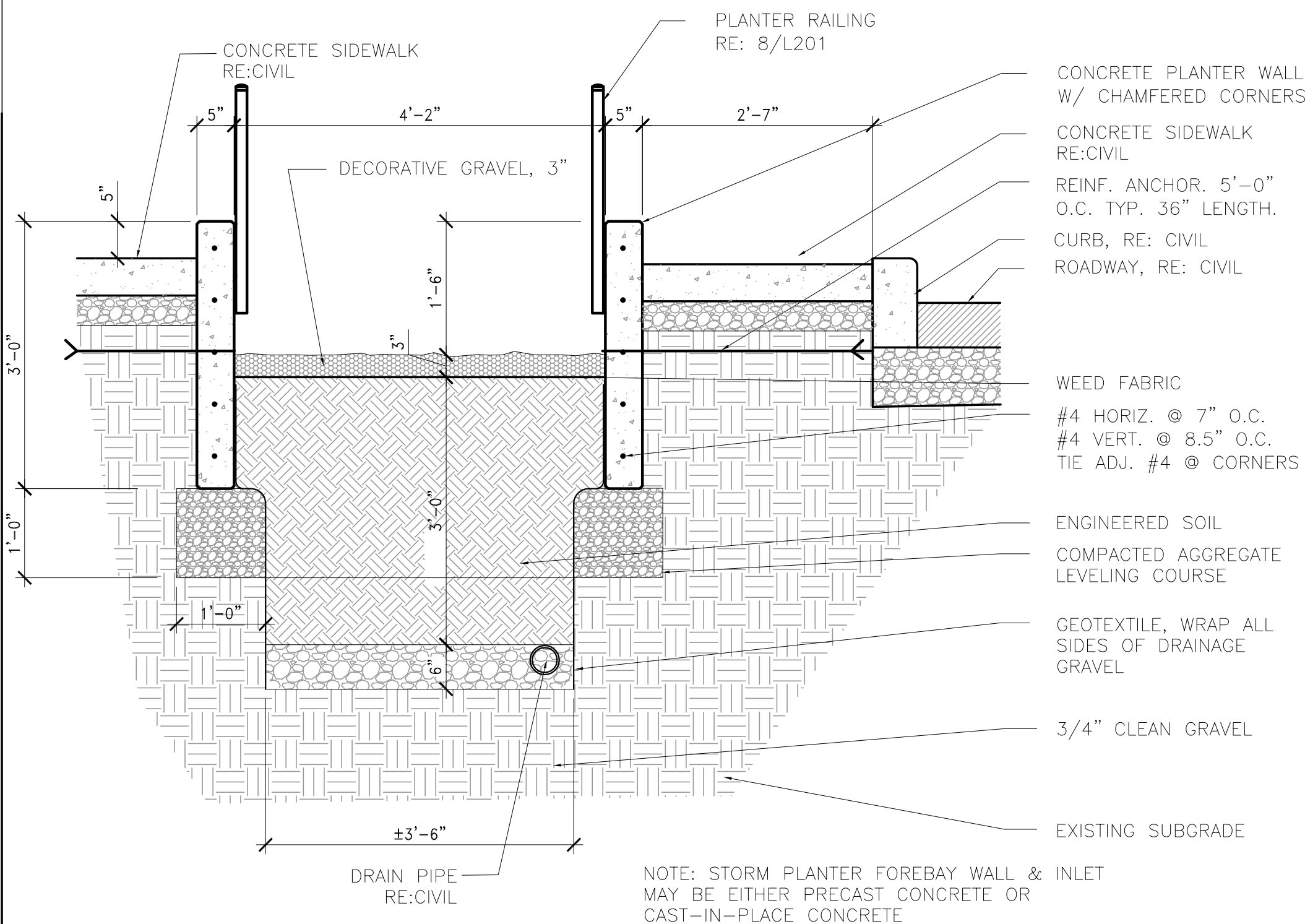
SCALE: 1/2" = 1'-0"

5	CURB INLET SIDE ELEVATION
---	---------------------------

SCALE: 1/2" = 1'-0"

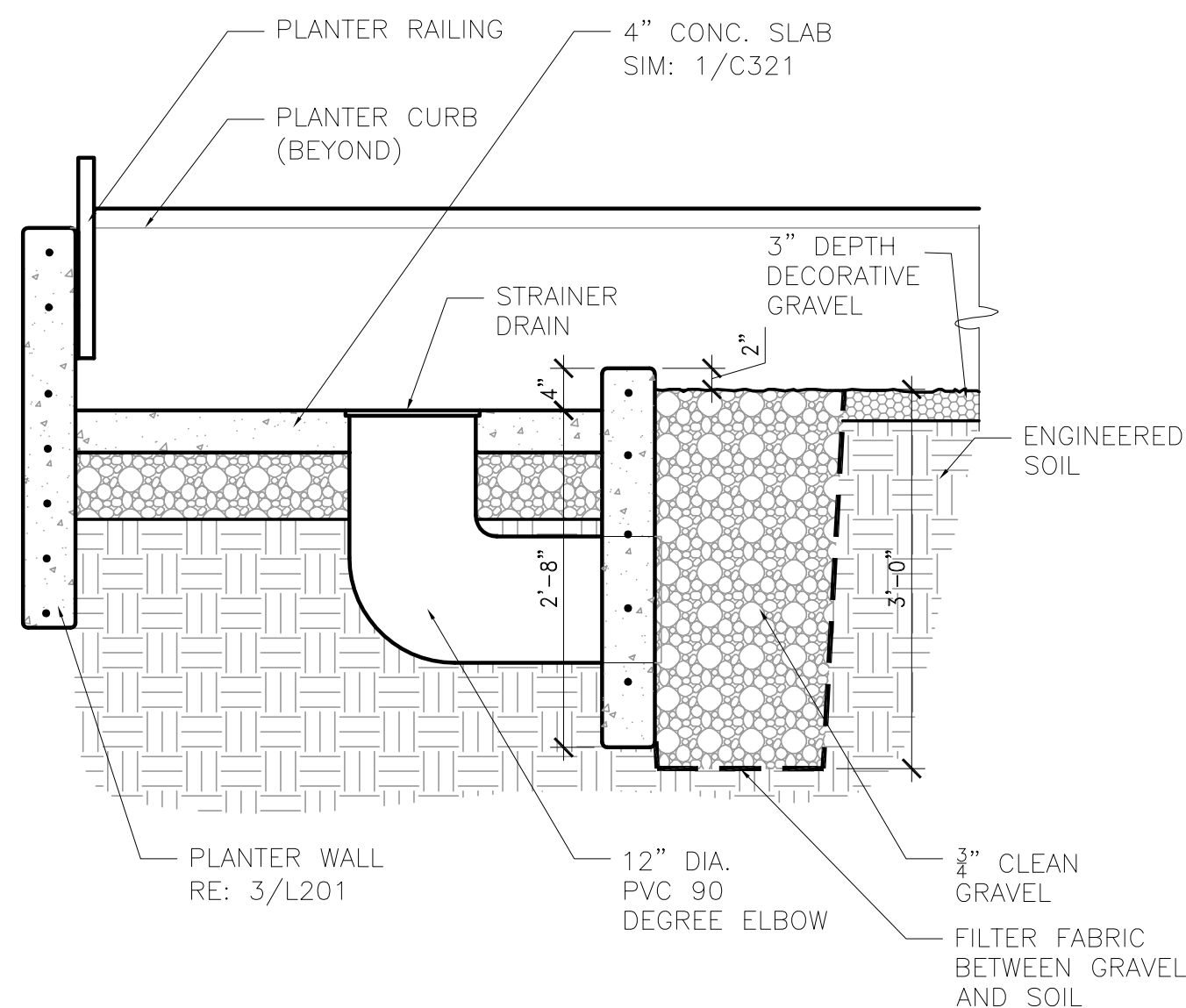
4	CURB INLET FRONT ELEVATION
---	----------------------------

SCALE: 3/4" = 1'-0"



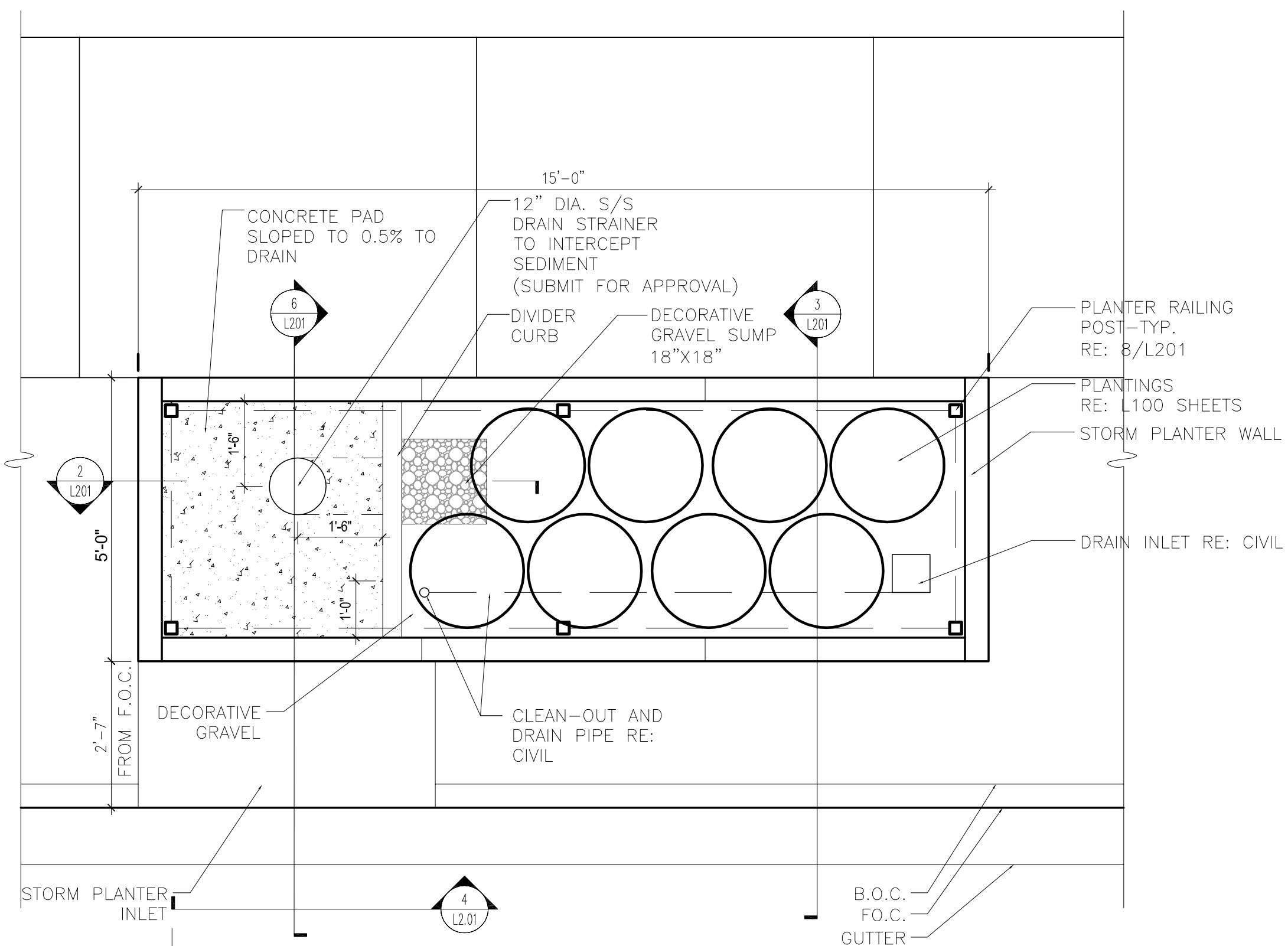
3	STORM PLANTER DETAIL
---	----------------------

SCALE 3/4"=1'-0"



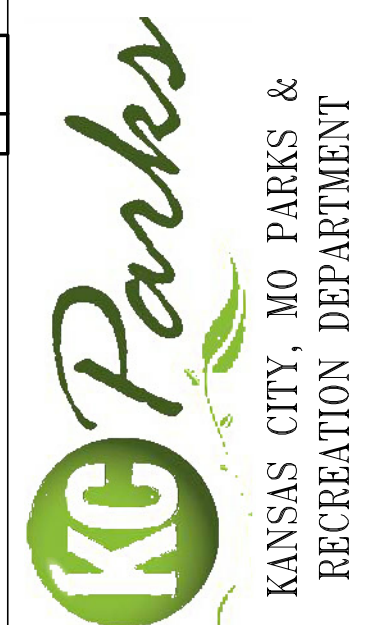
2	FOREBAY/ PLANTER SECTION
---	--------------------------

SCALE 3/4"=1'-0"

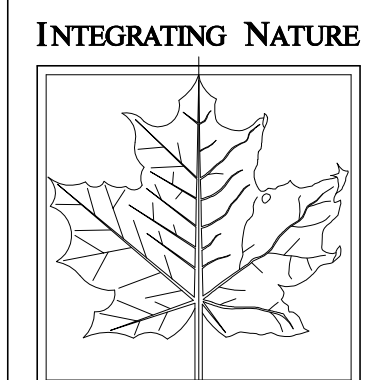


1	STORM PLANTER ENLARGEMENT
---	---------------------------

SCALE 1/2"=1'-0"

[illegible]

EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASEO
PHASE 2
LANDSCAPE ENLARGEMENT & DETAILS



AND ARCHITECTURE

**BOWMAN BOWMAN
NOVICK, INC.**

411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

PROJECT
CLEAVER II BLVD. PHASE 2

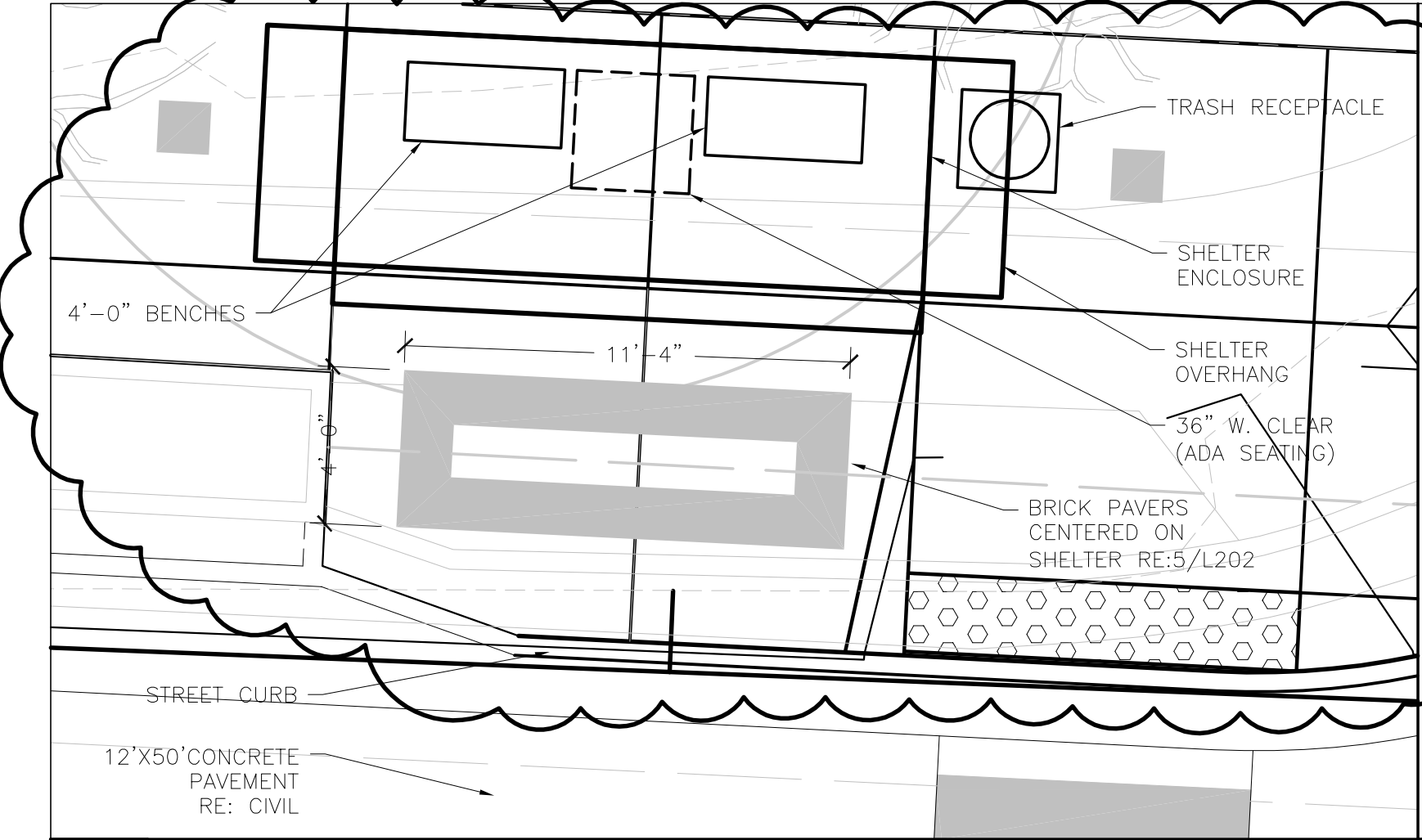
DATE
7/17/12

JOB NO.
G70091307 / STP-3387(406)

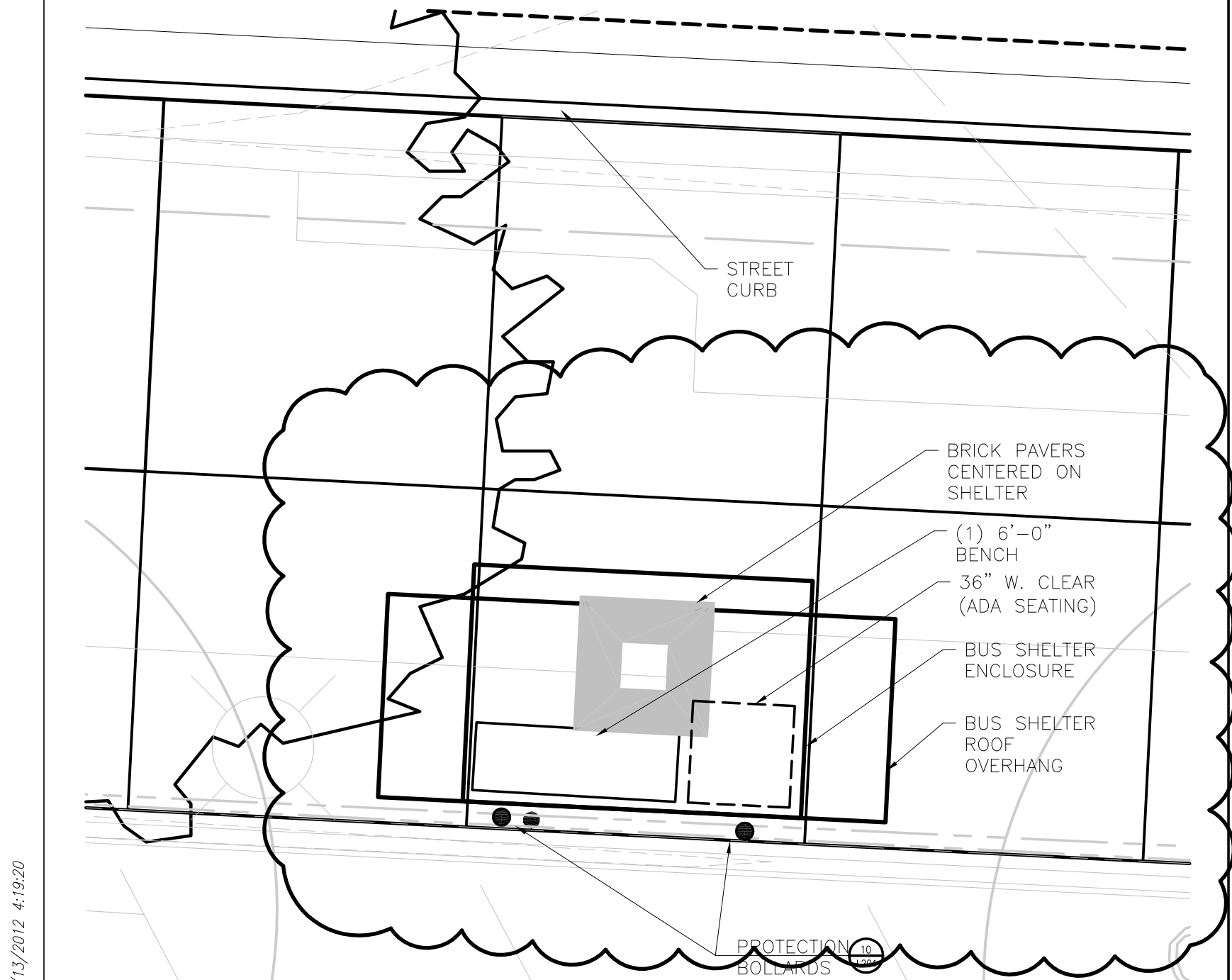
SHEET NO.

L201

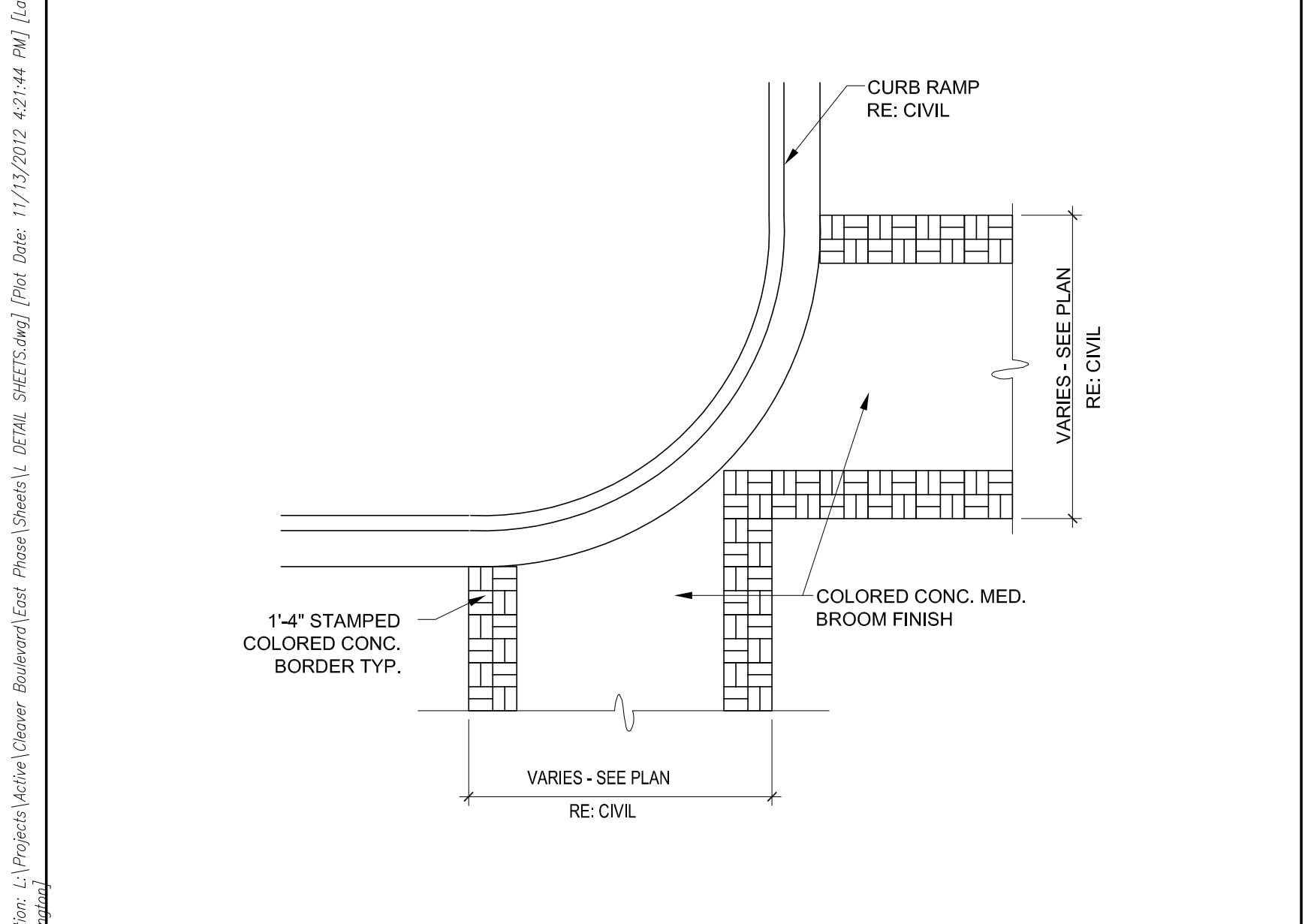
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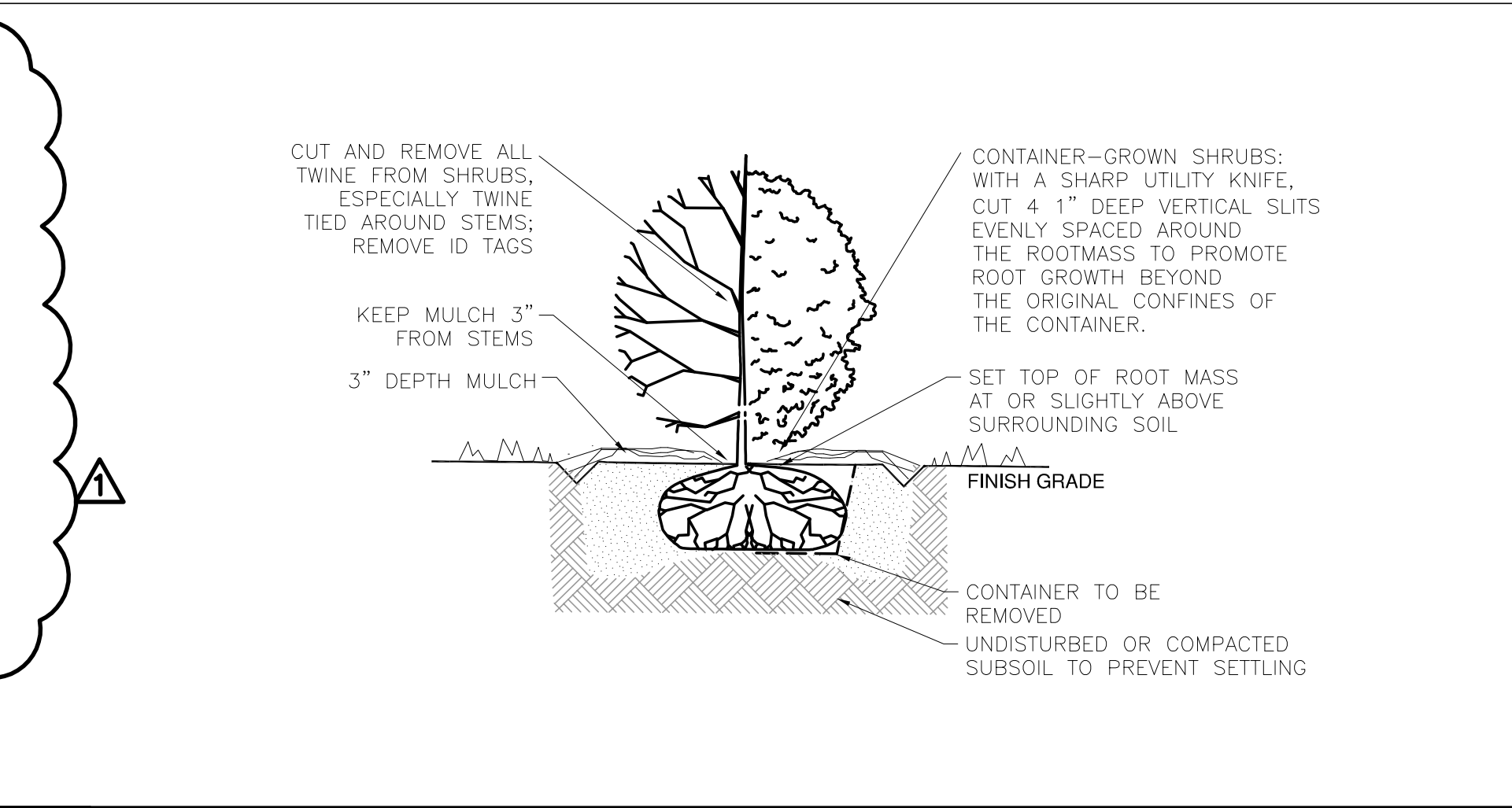
10 BUS SHELTER-15'
SCALE: 1/4"=1'-0"



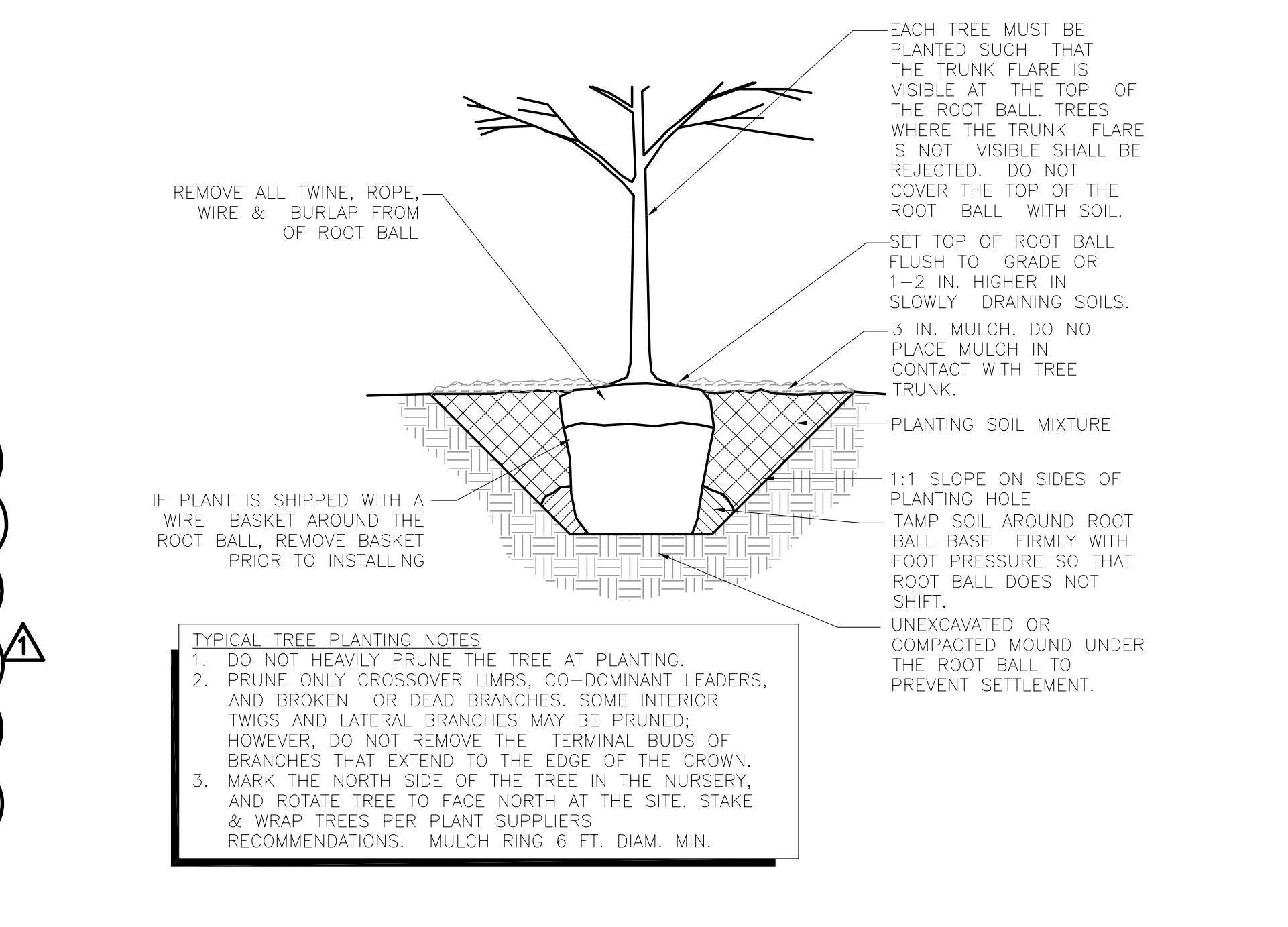
7 BUS SHELTER-10'
SCALE: 1/4"=1'-0"



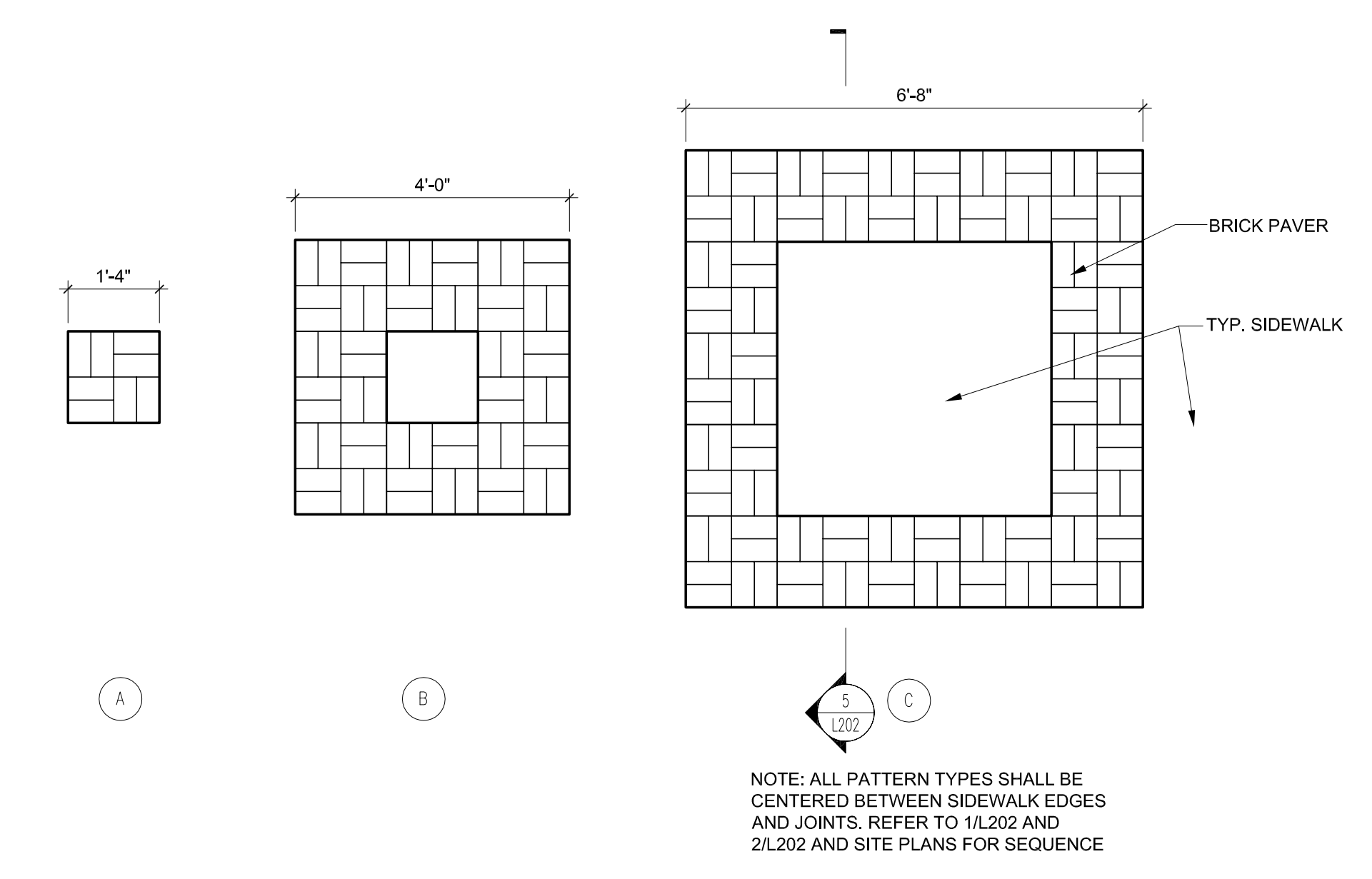
4 PEDESTRIAN CROSSING - TYP.
SCALE: 1/4"=1'-0"



9 SHRUB INSTALLATION
SCALE: 1"=1'-0"



6 TREE INSTALLATION
SCALE: 1"=1'-0"

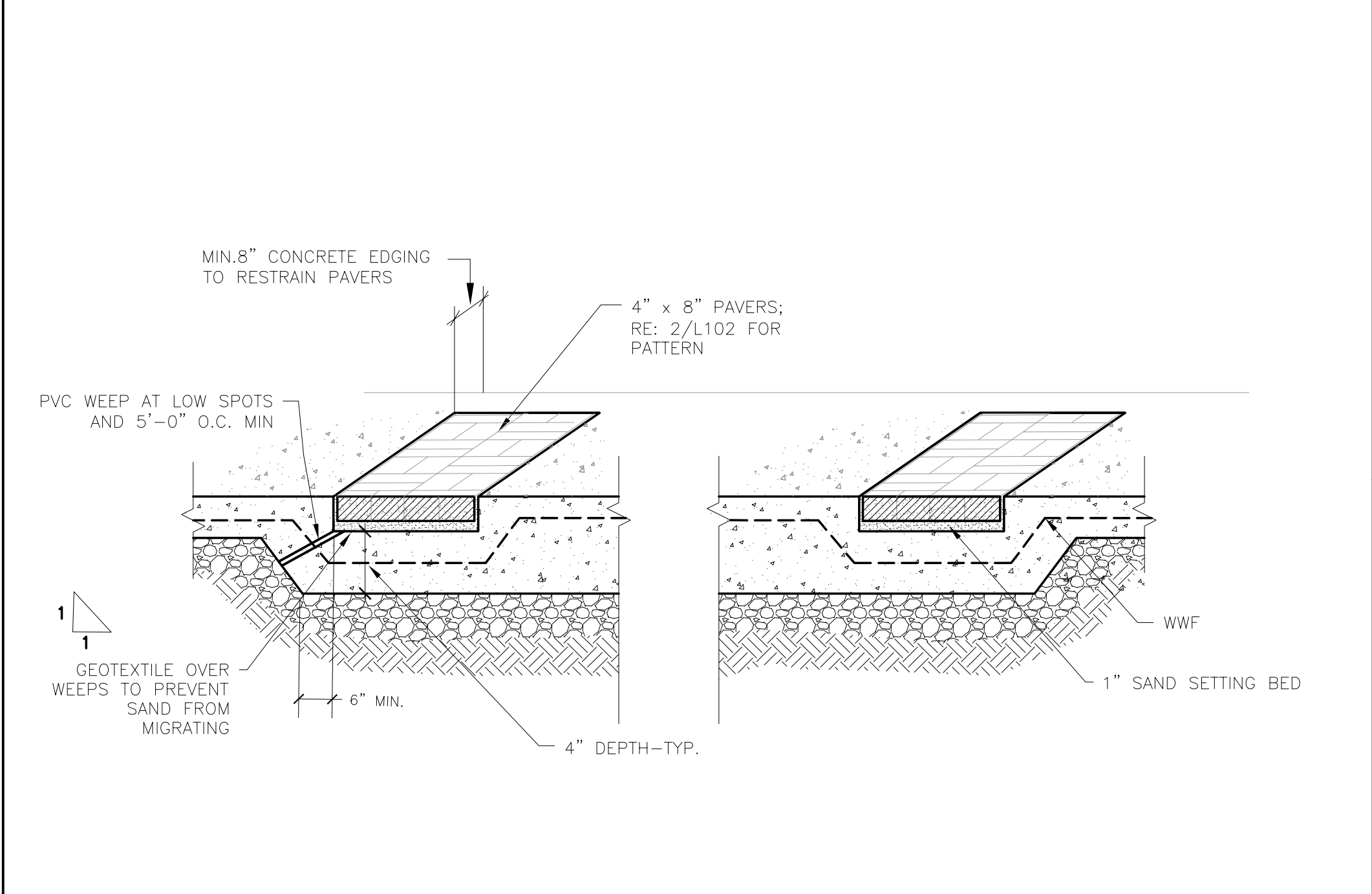


3 PAVER PATTERN TYPES
SCALE: 1/2"=1'-0"

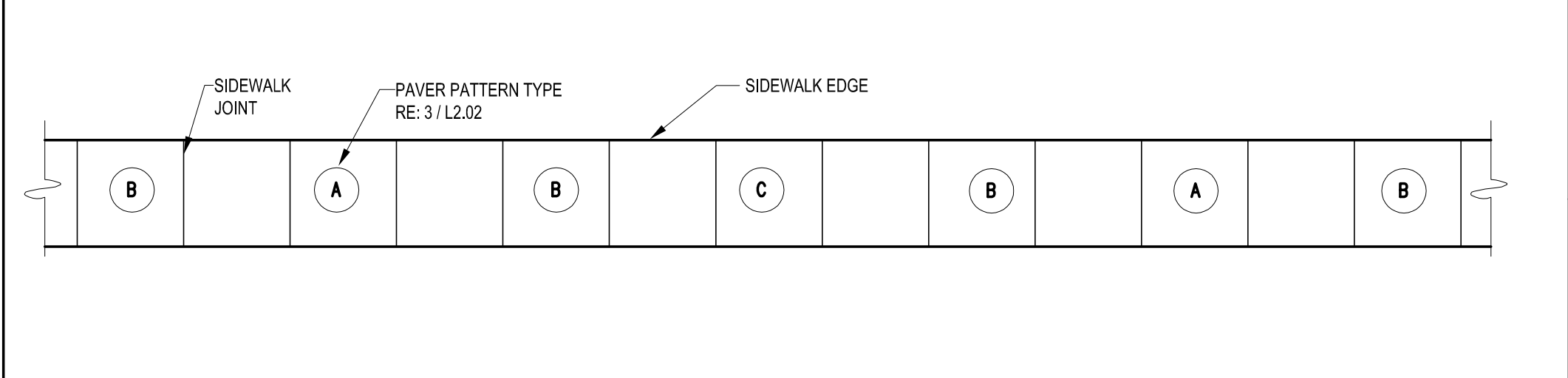
Trees				
Qty	Scientific Name	Common Name	Size	Notes/Spacing
7	Acer saccharum 'Caddo'	Caddo Maple	3" cal.	B&B
7	Acer truncatum	Shantung Maple	3" cal.	B&B
12	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	2" cal.	B&B
6	Gymnocladus dioica 'Espresso'	Kentucky Coffee Tree	3" cal.	B&B
7	Maackia amurensis	Amur Maackia	2" cal.	B&B
9	Quercus bicolor	Swamp White Oak	3" cal.	B&B
10	Syringa reticulata 'Ivory Silk'	Ivory Silk Tree Lilac	10 Ft. Ht.	B&B
10	Ulmus x 'Frontier'	Frontier Elm	3" cal.	B&B
7	Zelkova serrata 'Green Vase'	Green Vase Zelkova	3" cal.	B&B
Shrubs/Ornamental Grasses				
31	Rhus aromatica 'Gro-Low'	Gro-Low Sumac	3 gal.	24" spacing
Stormwater Planter Plantings				
32	Ilex glabra 'Nigra'	Inkberry Holly	3 gal.	Cont.
40	Itea virginica 'Scarlet Beauty'	Scarlet Beauty Sweetspire	3 gal.	Cont.

NOTE: QUANTITIES SHOWN INCLUDE BID ALTERNATES

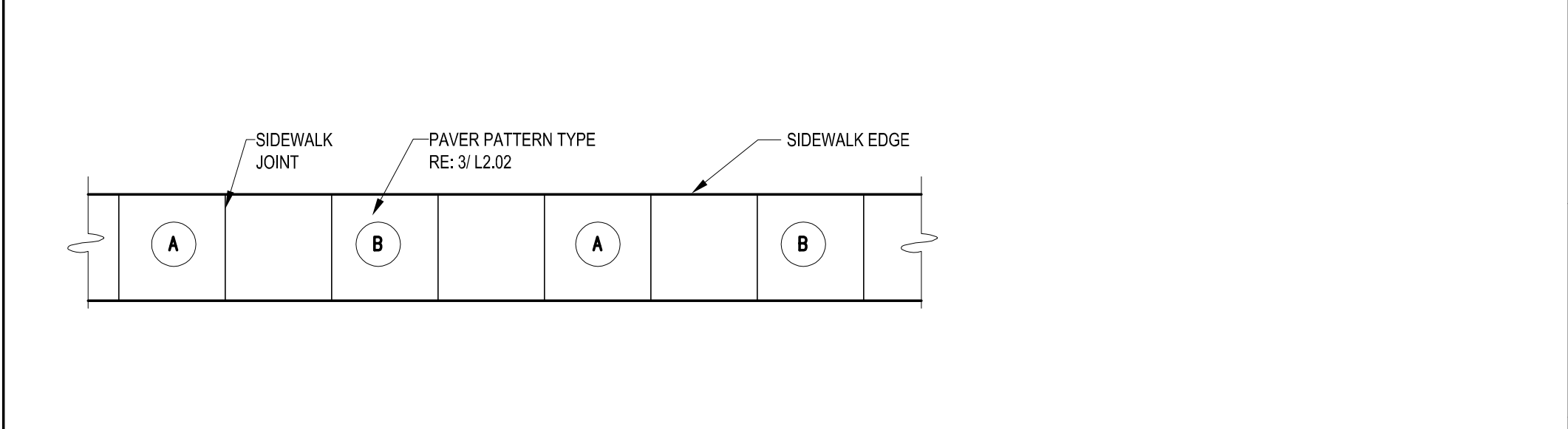
8 PLANT SCHEDULE



5 BRICK PAVER SECTION
NOT TO SCALE



2 PAVER PATTERN SEQUENCE - SIDEWALK WIDTH >= 10'-0"
NOT TO SCALE



1 PAVER PATTERN SEQUENCE - SIDEWALK < 10'-0"
NOT TO SCALE

11/13/12

ADDENDUM 2

NO.

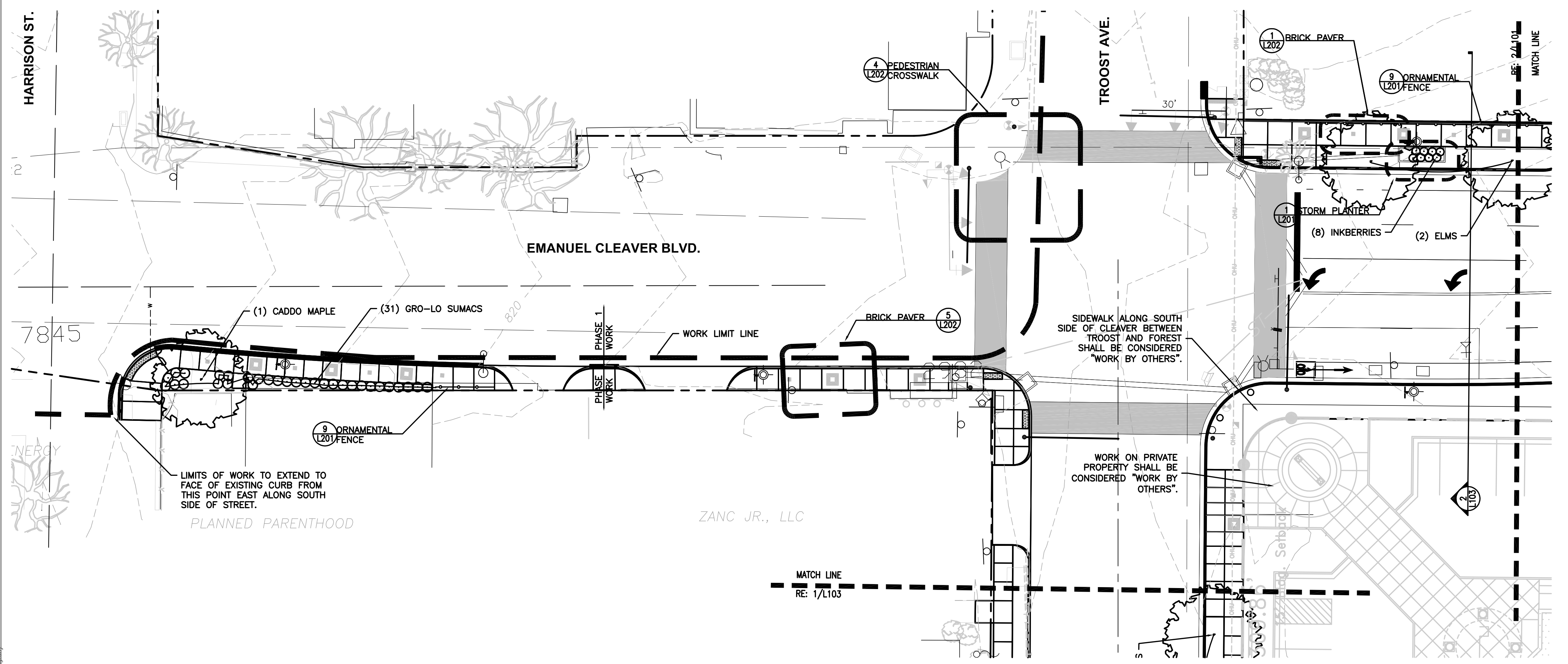
REVISIONS

DATE

EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASCO
PHASE 2
LANDSCAPE ENLARGEMENT & DETAILS

INTEGRATING NATURE
AND ARCHITECTURE
BOWMAN BOWMAN
NOVICK, INC.
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

PROJECT
CLEAVER II BLVD. PHASE 2
DATE
7/17/12
JOB NO.
G70091307 / STP-3387(406)
SHEET NO.
L202



GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION & DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION IN ORDER TO AVOID INTERRUPTION OF SERVICE & TO INSURE PROPER CLEARANCE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR & ASSOCIATED COSTS OF ANY DAMAGE TO EXISTING FEATURES NOT SPECIFIED FOR DEMOLITION.
3. PROTECT ALL EXISTING STONE WALLS FROM DAMAGE.
4. COORDINATE WORK WITH THE TROOST TRAFFIC SIGNAL REPLACEMENT (KCMO PUBLIC WORKS).
5. ALL UNPAVED AREAS WITHIN R.O.W. (RIGHT-OF-WAY) SHALL BE GRADED.
6. IF FIELD CONDITION DIFFERS FROM DRAWINGS, CONTACT OWNER'S REPRESENTATIVE FOR DIRECTION PRIOR TO REPLACING WITH WORK.
7. STREET CURB REPLACEMENT SHALL EXTEND TO SAWCUT SHOWN
8. REFER TO CIVIL DRAWINGS FOR SIGN AND POST REMOVALS OR RELOCATIONS
9. NUMBER OF GRAPHIC SYMBOLS OF PLANTS SHALL SUPERCEDE QUANTITIES SHOWN ON LABELS OR WITHIN PLANTING SCHEDULE
10. CONTRACTOR SHALL STAKE TREE LOCATIONS AND OUTLINE PLANTING BEDS FOR OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO INSTALLATION.
11. ALL DISTURBED AREAS NOT ALREADY ADDRESSED WITH PAVEMENT OR PLANT MATERIAL SHALL RECEIVE SOD.
12. "WORK BY OTHERS" WILL BE CONCURRENT WITH CONSTRUCTION.

	ADDENDUM 2	11/13/12
△	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
NO.	REVISIONS	DATE

July 17, 2012

KANSAS CITY, MO PARKS &
RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD STREETSCAPE IMPROVEMENTS

HARRISON ST. TO THE PASEO

PHASE 2

LANDSCAPE PLAN-1

INTEGRATING NATURE

AND ARCHITECTURE

**BOWMAN BOWMAN
NOWICK, INC.**

411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

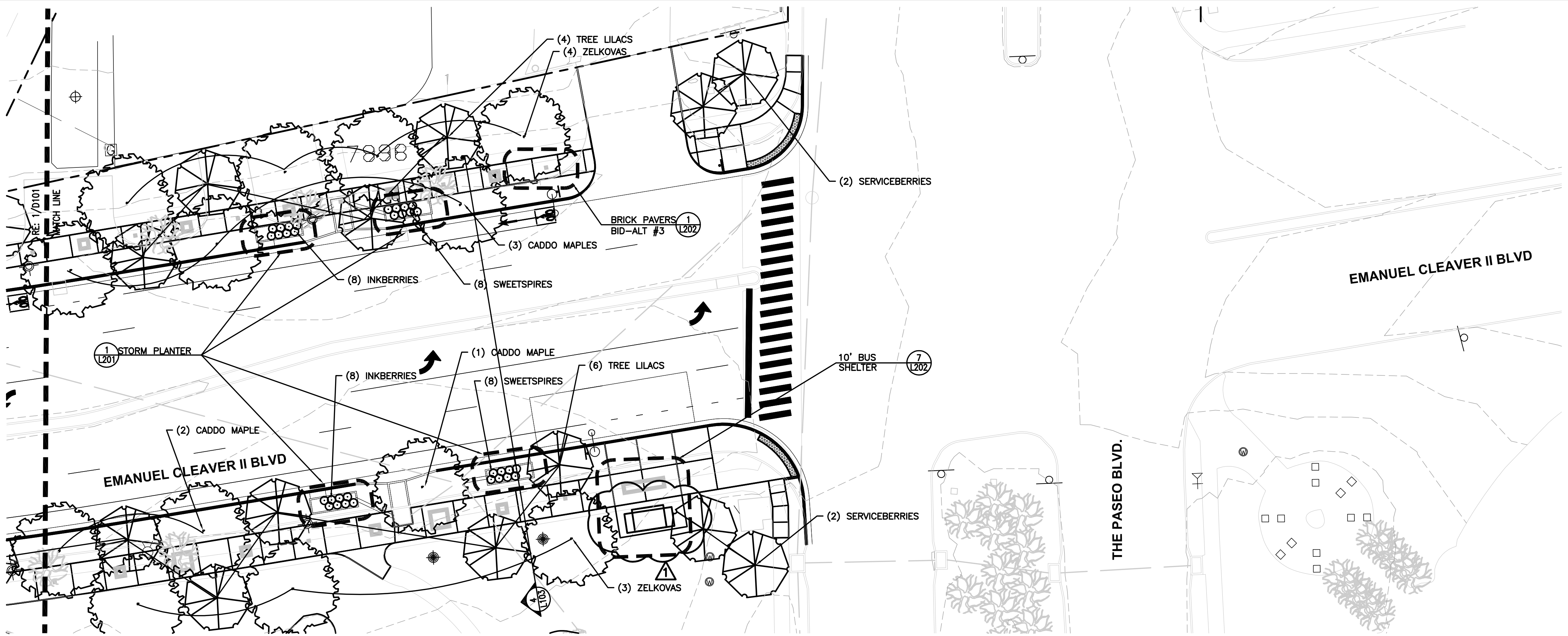
PROJECT
CLEAVER II BLVD. PHASE 2

DATE
7/17/12

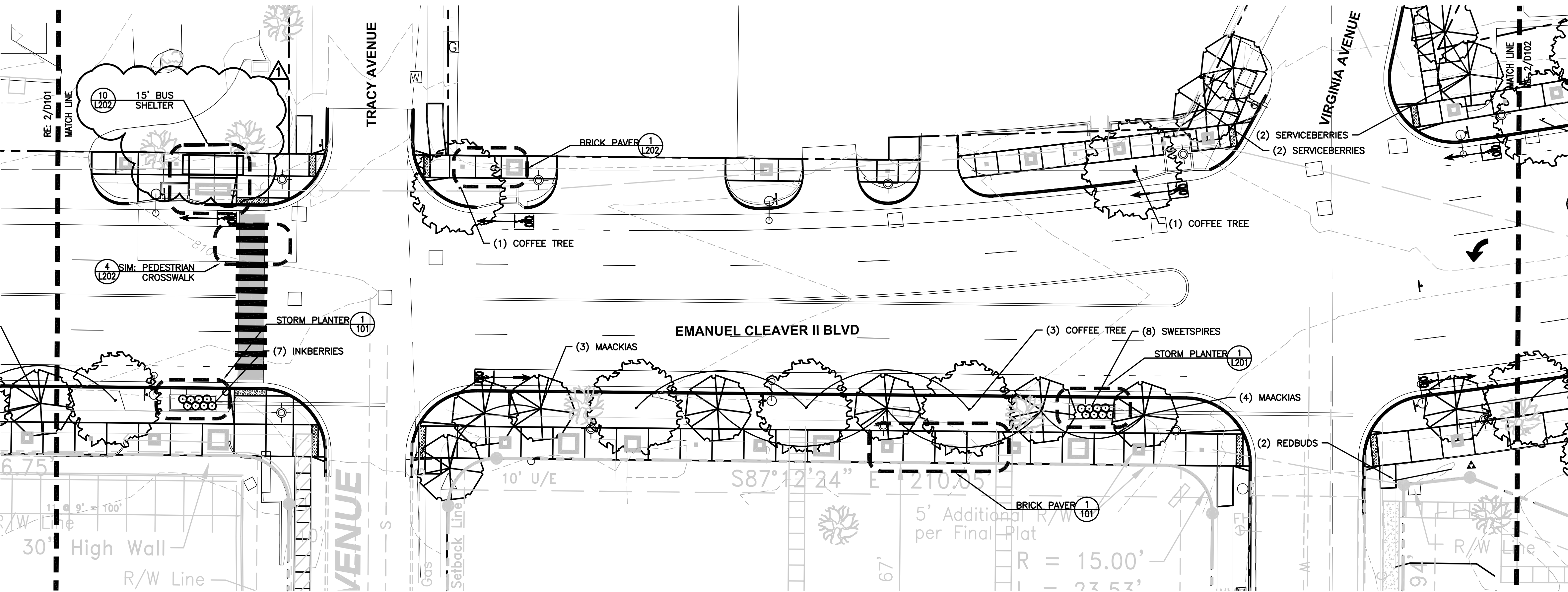
JOB NO.
G70091307 / STP-3387(406)

SHEET NO.
L101

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2 STATION 36+20 TO 40+00
SCALE: 1"=20'-0"



1 STATION 31+70 TO 36+20
SCALE: 1"=20'-0"

- GENERAL NOTES
1. THE CONTRACTOR SHALL VERIFY THE LOCATION & DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION IN ORDER TO AVOID INTERRUPTION OF SERVICE & TO INSURE PROPER CLEARANCE.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR & ASSOCIATED COSTS OF ANY DAMAGE TO EXISTING FEATURES NOT SPECIFIED FOR DEMOLITION.
 3. PROTECT ALL EXISTING STONE WALLS FROM DAMAGE.
 4. COORDINATE WORK WITH THE TROOST TRAFFIC SIGNAL REPLACEMENT (KCMO PUBLIC WORKS).
 5. ALL UNPAVED AREAS WITHIN R.O.W. (RIGHT-OF-WAY) SHALL RECEIVE SOD.
 6. IF FIELD CONDITION DIFFERS FROM DRAWINGS, CONTACT OWNER'S REPRESENTATIVE FOR DIRECTION PRIOR TO PROCEEDING WITH WORK.
 7. STREET CURB REPLACEMENT SHALL EXTEND TO SAWCUT SHOWN.
 8. REFER TO CIVIL DRAWINGS FOR SIGN AND POST REMOVALS OR RELOCATIONS.
 9. NUMBER OF GRAPHIC SYMBOLS OF PLANTS SHALL SUPERCEDE QUANTITIES SHOWN ON LABELS OR WITHIN PLANTING SCHEDULE.
 10. CONTRACTOR SHALL STAKE TREE LOCATIONS AND OUTLINE PLANTING BEDS FOR OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO INSTALLATION.
 11. ALL DISTURBED AREAS NOT ALREADY ADDRESSED WITH PAVEMENT OR PLANT MATERIAL SHALL RECEIVE SOD.
 12. "WORK BY OTHERS" WILL BE CONCURRENT WITH CONSTRUCTION.

NO.	REVISIONS	DATE
1		11/13/12

ADDENDUM 2

STATE OF MISSOURI
LORIE ANN DOUGLASS
REGISTERED ARCHITECT
July 17, 2012

KC Parks
KANSAS CITY, MO PARKS &
RECREATION DEPARTMENT

EMANUEL CLEAVER II BOULEVARD
STREETSCAPE IMPROVEMENTS
HARRISON ST. TO THE PASEO
PHASE 2
LANDSCAPE PLAN-2

INTEGRATING NATURE
AND ARCHITECTURE
**BOWMAN BOWMAN
NOVICK, INC.**
411 NICHOLS RD. SUITE #246
KANSAS CITY, MO 64112

PROJECT:
CLEAVER II BLVD, PHASE 2

DATE:
7/17/12

JOB NO.
C70091307 / STP-3387(406)

SHEET NO.
L102

Bidder: _____

CITY OF FOUNTAINS
HEART OF THE NATION



KANSAS CITY
MISSOURI

UNIT PRICES

Project Number : **G70091307**

Federal Project Number: **STP-3387(406)**

Project Title: **EMANUEL CLEAVER II BOULEVARD STREETScape IMPROVEMENTS
PHASE 2 REVISED 11-15-12**

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description:	Unit	Extension
PREPARATION WORK					
MOBILIZATION, SURVEYING					
200	L.S.	1	Mobilization		0.00
201	L.S.	1	Surveying and Construction Staking		0.00
			Mobilization, Surveying Subtotal		0.00
DEMOLITION					
202	S.Y.	3,319	Demolition & Removal of existing Pavement/Driveway		0.00
203	S.Y.	3,009	Demolition & Removal of existing Sidewalks		0.00
204	L.F.	3,362	Demolition & Removal of existing Curbs		0.00
205	L.F.	4,329	Saw Cut Existing Pavement		0.00
206	EACH	14	Demolition & Removal of existing Trees		0.00
207	SF	60	Shrub Bed Removal		0.00
208	EACH	24	Removal of Existing Street Lights		0.00
209	EACH	6	Removal of Existing Parking Lot Lights		0.00
210	EACH	4	Removal of Existing Street Signs		0.00
211	EACH	3	Relocate Existing Fire Hydrant		0.00
212	EACH	1	Apple Market Sign Removal		0.00
213	LS	1	Removal of existing pavement and bollards at the bus stop at the SW corner of Cleaver and Troost		0.00
214	CY	150	Flowable Fill to Restore Subgrade		0.00
			Demolition Subtotal		0.00
EROSION					
215	EACH	21	Gravel Curb Inlet Sediment Trap		0.00
			Erosion Subtotal		0.00
UTILITIES					
216	EACH	18	Manhole /Other Utility Adjustment		0.00

Bidder: _____

217	EACH	7	Connect to Existing Manhole		0.00
218	EACH	5	Connect Storm Sewer to Existing Pipe		0.00
219	EACH	2	4'x4' Grate Inlet Type GI-1		0.00
220	EACH	1	2'x2'-3" Grate Inlet Type GI-1		0.00
221	EACH	1	5'x3' Setback Curb Inlet Type CI-1		0.00
222	EACH	3	5'x3' Non-Setback Curb Inlet Type CI-2		0.00
223	L.F.	22	12" RCP Class III		
224	L.F.	42	15" RCP Class III		0.00
225	L.F.	27	24" RCP Class III		0.00
226	L.F.	282	12" PVC SDR-26		0.00
227	EACH	9	Cleanout		0.00
228	EACH	1	Curb Inlet Extension T1		0.00
229	EACH	1	Curb Inlet Extension V1		0.00
230	EACH	1	Curb Inlet Extension R2		0.00
231	EACH	1	Curb Inlet Extension Q1		0.00
232	EACH	1	Curb Inlet Extension O1		0.00
			Utilities Subtotal		0.00

ROADWAY

233	S.Y.	180	Full Depth Pavement Repair		0.00
234	L.F.	2,480	Type C1 Concrete Curb and Gutter		0.00
235	L.F.	310	Type C Concrete Curb		0.00
236	L.F.	300	Concrete Curb and Gutter (KCMO Public Works CG-1)		0.00
237	L.F.	70	Concrete Curb (KCMO Public Works C-1)		0.00
238	S.F	15,492	Commercial Concrete Sidewalk Type SC		0.00
239	S.F	2,695	PCC Sidewalks (KCMO Public Works)		0.00
240	S.F	4,636	PCC Curb Ramps		0.00
241	S.F	5,612	Commercial Concrete Driveway Type DC		0.00
242	S.F	1,128	Concrete Driveway (KCMO Public Works Detail D-2)		0.00
243	S.F	2,450	Colored Crosswalks		0.00
244	S.F	350	ADAAG Compliant Tactile Pavers @ Crossings		0.00
245	S.Y.	530	2" Cold Mill and Asphalt Overlay on Troost		0.00
			Roadway Subtotal		0.00

SIGN/STRIPE/SIGNAL/LIGHTING

TRAFFIC CONTROL					
246	EACH	11	Temporary Sign: W20-1		0.00
247	EACH	11	Temporary Sign: G20-2		0.00
248	EACH	2	Temporary Sign: W9-2		0.00
249	EACH	2	Temporary Sign: R3-7		0.00
250	EACH	2	Temporary Sign: ARROW BOARD- 48"X24"		0.00
251	EACH	50	Temporary Sign: CHANNELIZATION DEVICES		0.00
			Traffic Control Subtotal		0.00
PAVEMENT MARKING & SIGNING					
252	EACH	5	Pavement Marking-Thermoplastic Directional Arrows		0.00
253	L.F.	1,837	Pavement Marking- 6" wide-Single White Thermoplastic		0.00
254	L.F.	595	Pavement Marking- 6" wide-Broken White Thermoplastic		0.00
255	L.F.	864	Pavement Marking- 4" wide-Double Yellow Thermoplastic		0.00
256	L.F.	385	Pavement Marking- 24" wide White Thermoplastic Crosswalk Bar		0.00
257	EACH	9	Pavement Marking- Bicyclist and Arrow		0.00
258	EACH	10	Signage- R3-17 Bike Lane sign		0.00
259	EACH	2	Signage- R3-17B "Ends" sign		0.00
260	EACH	1	Signage- "Boulevard/No Trucks" sign		0.00
261	EACH	1	Signage-W16-1P "Share the Road" sign		0.00
262	EACH	16	Signage - R7-1 "No Parking"		0.00
263	EACH	2	Signage - R7-203 "EMERGENCY SNOW ROUTE"		0.00
264	EACH	6	Signage - R1-1 "Stop" sign		0.00
265	EACH	5	Signage - "Cleaver II Blvd." Street Name sign		0.00
266	EACH	1	Signage - "Forest Ave." Street Name sign		0.00
267	EACH	2	Signage - "Tracy Ave." Street Name sign		0.00
268	EACH	2	Signage - "Virginia Ave." Street Name sign		0.00
269	EACH	2	Signage - R2-1 "SPEED LIMIT 30"		0.00
270	EACH	1	Signage - R4-7 "KEEP RIGHT"		0.00
271	EACH	1	Signage - TYPE 3 (OMI-3) OBJECT MARKER		0.00
272	EACH	11	SIGN POLE (SQUARE CHANNEL & BREAKAWAY)		0.00
			Pavement Marking & Signing Subtotal		0.00
ELECTRICAL					
273	EACH	2	Circuit Lighting Controller (30A breaker)		0.00
274	EACH	5,755	Trenching and Backfill		0.00

Bidder: _____

275	EACH	14	Fixture with 35 foot pole and helix base		0.00
276	EACH	26	Pedestrian Fixture with 14 foot pole and screw in base		0.00
277	EACH	82	Fused Connector Kits		0.00
278	L.F.	14	In-grade junction box		0.00
279	L.F.	5,755	2" C PVC Schedule 40		0.00
280	L.F.	5,522	#4 RHM/RHW/USE Copper		0.00
281	L.F.	2,761	#6 Ground		0.00
282	L.F.	6,000	#8 RHM/RHW/USE Copper		0.00
283	L.F.	3,000	#8 Ground		0.00
284	L.F.	2,864	#10 RHM/RHW/USE Copper		0.00
			Electrical Subtotal		0.00
LANDSCAPING/STREETSCAPING					
285	S.Y.	2,738	Turf sod		0.00
286	EACH	38	Shade Trees		0.00
287	EACH	36	Ornamental Trees		0.00
288	EACH	31	Shrubs		0.00
289	L.F.	94	Ornamental Railing		0.00
290	S.F.	2,600	PCC Driveway for Bus Stops (KCATA FUNDED)		0.00
291	EACH	1	Bus Shelter - 15 ft model (KCATA FUNDED)		0.00
292	EACH	2	Bus Shelter - 10 ft model (KCATA FUNDED)		0.00
293	EACH	2	Bus Shelter Bollards (KCATA FUNDED)		0.00
294	EACH	2	Bus Shelter 4' Benches (KCATA FUNDED)		0.00
295	EACH	2	Bus Shelter 6' Benches (KCATA FUNDED)		0.00
296	EACH	1	Bus Shelter Trash Receptacles (KCATA FUNDED)		0.00
			Landscaping/Streetscaping Subtotal		0.00
			PHASE 2 BASE BID TOTAL		0.00

Bidder: _____

CITY OF FOUNTAINS
HEART OF THE NATION



KANSAS CITY
MISSOURI

UNIT PRICES

Project Number : **G70091307**

Federal Project Number: **STP-3387(406)**

Project Title: **EMANUEL CLEAVER II BOULEVARD STREETScape IMPROVEMENTS
PHASE 1 REVISED 11-15-12**

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description:	Unit	Extension
PREPARATION WORK					
MOBILIZATION, SURVEYING					
100	L.S.	1	Mobilization		0.00
101	L.S.	1	Surveying and Construction Staking		0.00
			Mobilization, Surveying Subtotal		0.00
DEMOLITION					
102	S.Y.	1,464	Demolition & Removal of existing Private Pavement/Driveway		0.00
103	S.Y.	1,471	Demolition & Removal of existing Sidewalks		0.00
104	L.F.	2,632	Demolition & Removal of existing Curbs		0.00
105	L.F.	3,407	Saw Cut Existing Pavement		0.00
106	EACH	1	Demolition & Removal of existing Tree		0.00
107	EACH	11	Removal of existing Light Poles		0.00
108	EACH	16	Removal of existing Street Signs		0.00
109	EACH	1	Relocate existing Fire Hydrant		0.00
			Demolition Subtotal		0.00
EROSION CONTROL					
110	EACH	14	Gravel Curb Inlet Sediment Trap		0.00
			Erosion Control Subtotal		0.00
UTILITIES					
111	EACH	20	Manhole /Other Utility Adjustment		0.00
112	EACH	5	Connect to Existing Manhole		0.00
113	EACH	2	Connect Storm Sewer Pipe to Existing		0.00
114	EACH	3	5'x4' Non-Setback Curb Inlet Type CI-2		0.00
115	EACH	8	5'x3' Non-Setback Curb Inlet Type CI-2		0.00
116	L.F.	22	15" RCP Class III		0.00

Bidder: _____

117	L.F.	190	24" RCP Class III		0.00
118	L.F.	51	12" PVC SDR-26		0.00
119	EACH	2	12" Drain Inlet		0.00
120	L.F.	27	4" Perforated PVC SDR-35		0.00
121	EACH	2	Cleanout		0.00
Utilities Subtotal					0.00

ROADWAY

122	S.Y.	366	Full Depth Pavement Repair		0.00
123	L.F.	2,596	Type C1 Concrete Curb and Gutter		0.00
124	L.F.	314	Type C Concrete Curb		0.00
125	S.F.	12,690	Residential Concrete Sidewalk Type SR		0.00
126	S.F.	1,610	Commercial Concrete Sidewalk Type SC		0.00
127	S.F.	21	PCC Stair at NW corner of Troost		0.00
128	L.F.	28	PCC Transition Step at NW corner of Troost		0.00
129	S.F.	1,657	PCC Curb Ramps		0.00
130	S.F.	1,109	Residential Concrete Driveway Type DR		0.00
131	S.F.	780	Residential Concrete Driveway Type DC		0.00
132	S.F.	600	Reinforce Concrete Bus Stop		0.00
133	S.F.	364	ADAAG Compliant Tactile Pavers @ Crossings		0.00
134	S.Y.	20,300	2 Inch Depth Cold mill and Overlay		0.00
Roadway Subtotal					0.00

SIGN/STRIPE/SIGNAL/LIGHTING

TRAFFIC CONTROL

135	EACH	11	Temporary Sign: W20-1		0.00
136	EACH	11	Temporary Sign: G20-2		0.00
137	EACH	2	Temporary Sign: W9-2		0.00
138	EACH	2	Temporary Sign: R3-7		0.00
139	EACH	2	Temporary Sign: ELECTRONIC ARROW BOARD- 48"X24"		0.00
140	EACH	60	Temporary Sign: CHANNELIZATION DEVICES		0.00
Traffic Control Subtotal					0.00

PAVEMENT MARKING & SIGNAGE

141	EACH	4	Pavement Marking-Thermoplastic Directional Arrows		0.00
142	L.F.	295	Pavement Marking- 6" wide-Single White Thermoplastic		0.00
143	L.F.	1,555	Pavement Marking- 4" wide-Double Yellow Thermoplastic		0.00

Bidder: _____

144	L.F.	711	Pavement Marking- 4" wide-Single White Broken Thermoplastic		0.00
145	L.F.	64	Pavement Marking- 24" wide White Thermoplastic Crosswalk Bar		0.00
146	EACH	2	Signage- "Boulevard / No Trucks"		0.00
147	EACH	9	Signage- W16-1P : Share the Road" sign		0.00
148	EACH	2	Signage- R7-4 "No Standing or Parking Double Arrow"		0.00
149	EACH	14	Signage - R7-1 "No Parking"		0.00
150	EACH	2	Signage - R7-203 "EMERGENCY SNOW ROUTE"		0.00
151	EACH	2	Signage - Relocate Existing Plaza District Sign		0.00
152	EACH	6	Signage - R1-1 "Stop" sign		0.00
153	EACH	6	Signage - "Cleaver II Blvd." Street Name sign		0.00
154	EACH	2	Signage - "Holmes St." Street Name sign		0.00
155	EACH	1	Signage - "Charlotte St." Street Name sign		0.00
156	EACH	2	Signage - "Campbell St." Street Name sign		0.00
157	EACH	1	Signage - "Harrison St." Street Name sign		0.00
158	EACH	5	Signage - Metro Sign and Plaque		0.00
159	EACH	1	Signage - R2-1 "SPEED LIMIT 30"		0.00
160	EACH	1	Signage - R5-1 "DO NOT ENTER"		0.00
161	EACH	1	Signage - R3-2 "NO LEFT TURN"		0.00
162	EACH	11	SIGN POLE (SQUARE CHANNEL & BREAKAWAY)		0.00
			Pavement Marking & Signing Subtotal		0.00

ELECTRICAL

163	EACH	2	Circuit Lighting Controller (30A breaker)		0.00
164	EACH	6,059	Trenching and Backfill		0.00
165	EACH	13	Fixture with 35 foot pole and helix base		0.00
166	EACH	20	LED Pedestrian Fixture with 14 foot pole and screw in base		0.00
167	EACH	33	Fused Connector Kits		0.00
168	L.F.	15	In-grade junction box		0.00
169	L.F.	6,059	2" C PVC Schedule 40		0.00
170	L.F.	5,668	#4 RHM/RHW/USE Copper		0.00
171	L.F.	2,834	#6 Ground		0.00
172	L.F.	5,980	#8 RHM/RHW/USE Copper		0.00
173	L.F.	2,990	#8 Ground		0.00
174	L.F.	2,205	#10 RHM/RHW/USE Copper		0.00
			Electrical Subtotal		0.00

Bidder: _____

LANDSCAPING/STREETSCAPING					
175	EACH	2	Storm Planter Excavation/Proposed Eng. Soil		0.00
176	S.Y.	622	Turf sod		0.00
177	EACH	2	Trees		0.00
178	EACH	16	Shrubs		0.00
179	EACH	2	Storm Planter Inlet and Forebay (Each Set)		0.00
180	L.F.	80	Storm Planter Railing		0.00
181	L.F.	28	Ornamental Railing		0.00
182	L.F.	8	Stair Handrails		0.00
183	EACH	1	Trash Receptacles		0.00
184	L.F.	80	Storm Planter Wall		0.00
185	EACH	44	Installed Street Name Tiles (each street name)		0.00
186	SF	800	Repairs to existing stone wall		0.00
			Landscaping/Streetscaping Subtotal		0.00
			PHASE 1 BASE BID TOTAL		0.00

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.