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1. CONTRACTOR SHALL NOTIFY THE GENERAL PERMIT OFFICE 24 HOURS PRIOR TO STARTING CONSTRUCTION OR CLEARING OPERATIONS.
2. CONTRACTOR SHALL CALL "DIG TEST" AT 1-800-344-8377 FOR UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET RIGHT-OF-WAY.
3. THIS PROJECT IS LOCATED WITHIN THE TANNEHILL WATERSHED (CLASSIFIED AS URBAN) AND SHALL BE DEVELOPED, CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 25 OF THE CODE OF THE CITY OF AUSTIN.
4. X AND PORTION OF THIS SITE IS LOCATED WITHIN PARKLAND OR LAND USED FOR PARK PURPOSES. (IF SUCH LAND IS INCLUDED, DOCUMENTATION OF PARKS AND RECREATION DEPARTMENT APPROVAL IS REQUIRED AT THE TIME OF SUBMITTAL FOR Public Works PROGRAM APPROVAL.)
5. X AND PORTION OF THIS SITE IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN PER CITY OF AUSTIN AND FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS.
6. THIS PROJECT IS/IS NOT X WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS DEFINED BY THE CITY OF AUSTIN. THIS PROJECT IS/IS NOT X WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).
7. THERE ARE/ARE NO X CRITICAL ENVIRONMENTAL FEATURES WITHIN 150' OF ANY PORTION OF THIS PROJECT. A FIELD INVESTIGATION X HAS BEEN PERFORMED AS A PART OF THIS PROJECT. A FIELD INVESTIGATION HAS NOT BEEN PERFORMED AS A PART OF THIS PROJECT AND IS NOT REQUIRED.
8. PARTY RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE:

COMPANY: _____ PHONE: _____

PARTY RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE:

COMPANY: _____ PHONE: _____
9. THE STANDARD SHEETS INCLUDED IN THIS PLAN SET WERE PROVIDED BY THE GENERAL PERMIT OFFICE FOR USE ON GENERAL PERMIT PROJECTS ONLY. IF ANY MODIFICATIONS TO THE SHEETS WERE MADE, THEY ARE CLEARLY INDICATED ON THE SHEET ITSELF AND IN THE COVER SHEET INDEX.
10. PHASING, IF PROPOSED BY THE CONTRACTOR, WILL BE DELINEATED AND THE INFORMATION PROVIDED TO WATERSHED PROTECTION DEPARTMENT PRIOR TO THE FIELD PRE-CONSTRUCTION MEETING. ADDITIONALLY, THE WATERSHED PROTECTION DEPARTMENT WILL BE NOTIFIED VIA E-MAIL A MINIMUM OF 24 HOURS IN ADVANCE OF TRANSITION BETWEEN PHASES.

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

LOCATION MAP

N.T.S.

THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF REVIEW
UNDER THE AUTHORITY OF
KRISTIN KASPER PIKIN
TEXAS P.E. NO. 99265
DATE: May 23, 2013

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FOR CONSTRUCTION OR
ANY OTHER PURPOSE

[illegible]

GENERAL PERMIT

TREE LIST		
NO.	TREE TYPE	DIAMETER (INCHES)
101	CEDAR ELM (Protected)	19"
102	CEDAR ELM	16"
103	BALD CYPRESS (Protected)	19"
104	CEDAR ELM (Protected)	24" ★
105	MEXICAN PLUM	11" ★
106	CEDAR ELM	19"
107	CEDAR ELM	17"
108	BALD CYPRESS	17"
109	WILLOW (Protected)	41"
110	CEDAR ELM (Protected)	21"
111	CEDAR ELM	16"
112	CEDAR ELM	16"
113	MEXICAN PLUM	13" ★
114	MEXICAN PLUM	13" ★
115	MEXICAN PLUM	11" ★
116	MEXICAN PLUM	22" ★
117	BALD CYPRESS	17"
118	BALD CYPRESS	15"
119	WILLOW (Protected)	26" ★
120	WILLOW	18" ★
121	WILLOW	22" ★
122	CEDAR ELM	8"
123	CEDAR ELM	9"
124	HACKBERRY	6"
125	BALD CYPRESS	12"
126	WILLOW	23" ★
127	WILLOW	12" ★
128	BALD CYPRESS	13"
129	BALD CYPRESS	18"
130	LIVE OAK	13"
131	CEDAR ELM	7"
132	PECAN	4"
133	BALD CYPRESS	18"
134	MESQUITE (Protected)	28"

TREE LIST		
NO.	TREE TYPE	DIAMETER (INCHES)
135	RED BUD	5"
136	RED BUD	8"
137	RED BUD	8"
138	LIVE OAK	6"
139	PECAN	6"
140	CEDAR ELM	4"
141	BALD CYPRESS	14"
142	PECAN (Heritage)	26"
143	CHINESE PISTACHE	8
144	CHINESE PISTACHE	7" ★
145	CHINESE PISTACHE	9"
146	CHINESE PISTACHE	7"
147	CHINESE PISTACHE	6"
148	CHINESE PISTACHE	7"
149	TEXAS MOUNTAIN LAUREL	6" ★
150	TEXAS MOUNTAIN LAUREL	9" ★
151	CHINESE PISTACHE	10"
152	CHINESE PISTACHE	10"
153	CHINESE PISTACHE	10
154	CHINESE PISTACHE	10"
155	CHINESE PISTACHE	8
156	CHINESE PISTACHE	10"
157	TEXAS MOUNTAIN LAUREL	10" ★
158	TEXAS MOUNTAIN LAUREL	10" ★
159	POST OAK (Heritage)	34"
160	POST OAK (Protected)	22"
161	CEDAR ELM	18"
162	WILLOW (Protected)	24"
163	CEDAR ELM	8"
164	CEDAR ELM	12" ★
165	CHINESE PISTACHE	9"
166	LIVE OAK	15"
167	CEDAR ELM	17"
168	CHINABERRY (Invasive)	6"

TREE LIST		
NO.	TREE TYPE	DIAMETER (INCHES)
169	SYCAMORE	34"
170	CHINESE PISTACHE	16"
171	HACKBERRY	7"
172	SYCAMORE	18"
173	CEDAR ELM	5"
174	CEDAR ELM	12"
175	CEDAR ELM	12"
176	CEDAR ELM	16"
177	CHINABERRY (invasive)	9"
178	CHINABERRY (invasive)	13"
179	COTTON WOOD	17"
180	CHINESE PISTACHE	19"
181	CEDAR ELM	20"
182	COTTON WOOD	8"
183	LIVE OAK	34"
184	LIVE OAK	22"
185	COTTON WOOD	19"
186	CEDAR ELM	5"
187	CHINABERRY (invasive)	7"
188	SPANISH OAK	unavailable
189	CHINABERRY (invasive)	7"
190	CHINABERRY (invasive)	unavailable
191	HACKBERRY	6"
192	HUISACHE	12"
193	CREPE MYRTLE	unavailable
194	CREPE MYRTLE	unavailable
195	LIVE OAK	18"
196	LIVE OAK	18"
197	LIVE OAK	12"
198	BALD CYPRESS	8"
199	CHINESE PISTACHE	9"
200	CEDAR ELM	30"
201	CEDAR ELM	6"
202	CEDAR ELM	11"

TREE LIST		
NO.	TREE TYPE	DIAMETER (INCHES)
203	BUCKEYE	8"
204	BUCKEYE	11"
205	BUCKEYE	7"
206	TEXAS MOUNTAIN LAUREL	5"
207	BUCKEYE	7"
208	BUCKEYE	7"
209	BUCKEYE	11"
210	BUCKEYE	7"
211	TEXAS MOUNTAIN LAUREL	4"
212	TEXAS MOUNTAIN LAUREL	4"
213	CRAPE MYRTLE	9"
214	REDBUD	5"
215	CRAPE MYRTLE	9"
216	DEAD	unavailable
217	CRAPE MYRTLE	9"
218	CRAPE MYRTLE	9"
219	CRAPE MYRTLE	9"
220	CRAPE MYRTLE	9"
221	CRAPE MYRTLE	9"
222	CRAPE MYRTLE	9"
223	TEXAS MOUNTAIN LAUREL	10"
224	YAUPON HOLLY	4"
225	YAUPON HOLLY	3"
226	YAUPON HOLLY	4"
227	YAUPON HOLLY	2"
228	YAUPON HOLLY	2"
229	YAUPON HOLLY	5"
230	YAUPON HOLLY	4"
231	TEXAS MOUNTAIN LAUREL	10"
232	CRAPE MYRTLE	8"
234	CRAPE MYRTLE	6"
234	CRAPE MYRTLE	5"
235	PECAN	6"
236	YAUPON HOLLY	2"
237	YAUPON HOLLY	2"
238	MEXICAN PLUM	12"
239	PALO VERDE	2"

- * Multi-trunk

LEGEND

TREE DRIPLINE, TREE SAVED

TREE HALF CRITICAL ROOT ZONE

TREE REMOVED

EASEMENT

EXIST CENTERLINE OF DITCH

EXIST FENCE

TOP OF SLOPE

BOTTOM OF SL

SHRUB

GATE

ELECTRIC MANHOLE

STORM WATER MANHOLE

WASTEWATER MANHOLE

WATER METER

POWER POLE

DOWN GUY

TELEPHONE PEDESTAL

GAS VALVE

POST

MAIL BOX

SIGN

MONUMENT

CONTROL POINT

BLOCK NUMBER

CURB INLET

LOT NUMBER

IRON ROD

(UNLESS NOTED)

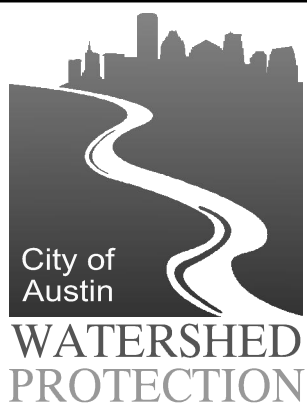
CONTROL POINTS	
CP-1 COA BRASS DISK N=10077107.46 E=3127582.30 ELEV=539.82	CP-2 COA BRASS DISK N=10076603.26 E=3127556.86 ELEV=532.83

<u>EXIST STORM WATER MANHOLES</u>	
<u>EXIST SW MH-2406</u> RIM=532.87 24"(W) FL=529.19	<u>EXIST SW MH-2616</u> RIM=538.36 18"(W) FL=536.24
<u>EXIST SW MH-2785</u> RIM=532.24 24"(E&W) FL=528.60	<u>EXIST SW MH-3782</u> RIM=544.69 32"(NE&SW) FL=540.41
<u>EXIST SW MH-3815</u> RIM=544.87 32"(NE&SW) FL=541.67	<u>EXIST SW MH-7167</u> RIM=532.13 24"(E) FL=XXX.XX 8"(W) FL=XXX.XX (UNABLE TO OPEN)

TREE MITIGATION					
TREE TAG	COMMON NAME	BOTANICAL NAME	SIZE	MIT. RATE	REQ. REPLACE INCHES
119	Willow	<i>Salix</i> spp.	26"	100%	26"
120	Willow	<i>Salix</i> spp.	18"	50%	9"
126	Willow	<i>Salix</i> spp.	23"	100%	23"
127	Willow	<i>Salix</i> spp.	12"	50%	6"
213	Crape Myrtle	<i>Lagerstroemia</i> spp.	9"	50%	4.5"
			TOTAL INCHES REMOVED		68.5000"
			TOTAL REQUIRED MITIGATION		68.5"
			TOTAL PROVIDED MITIGATION		

EXIST WASTEWATER MANHOLES						
<u>EXIST WW MH-2117</u> RIM=546.50 8"(NW) FL=532.33 8"(SE) FL=532.27	<u>EXIST WW MH-2118</u> RIM=547.12 8"(NW) FL=532.19 15"(N) FL=531.55 15"(S) FL=531.45	<u>EXIST WW MH-2239</u> RIM=532.70 15"(N) FL=523.37 15"(S) FL=523.21 8"(E) FL=523.48	<u>EXIST WW MH-2250</u> RIM=534.53 15"(N) FL=524.41 15"(S) FL=524.34 8"(W) FL=525.70	<u>EXIST WW MH-2329</u> RIM=537.95 15"(N) FL=526.67 15"(S) FL=526.53 8"(E) FL=529.43	<u>EXIST WW MH-2330</u> RIM=538.34 8"(E) FL=530.37 8"(W) FL=530.07	<u>EXIST WW MH-2491</u> RIM=540.14 15"(N) FL=529.13 15"(S) FL=528.19
<u>EXIST WW MH-2603</u> RIM=539.55 8"(NE) FL=536.60 8"(SW) FL=536.39	<u>EXIST WW MH-2770</u> RIM=532.36 8"(E) FL=526.57 8"(W) FL=526.62 12"(N) FL=526.64	<u>EXIST WW MH-2911</u> RIM=543.27 15"(NW) FL=530.22 15"(SE) FL=530.16 6"(NE) FL=532.11	<u>EXIST WW MH-3315</u> RIM=546.73 8"(N) FL=541.59 8"(S) FL=541.50	<u>EXIST WW MH-3756</u> RIM=545.72 8"(E) FL=538.86 8"(W) FL=539.15 8"(S) FL=539.12	<u>EXIST WW MH-3818</u> RIM=545.21 8"(N) FL=533.48 8"(NW) FL=533.77 8"(SE) FL=532.52 6"(E) FL=536.42	<u>EXIST WW MH-4376</u> RIM=550.25 8"(E) FL=540.21 8"(W) FL=540.09
<u>EXIST WW MH-4707</u> RIM=571.71 8"(E) FL=565.12 8"(W) FL=565.18	<u>EXIST WW MH-4835</u> RIM=572.63 8"(W) FL=565.74 8"(SE) FL=565.70 8"(N) FL=562.74	<u>EXIST WW MH-5124</u> RIM=577.00 8"(S) FL=569.23	<u>EXIST WW MH-5689</u> RIM=585.80 8"(NW) FL=577.66 8"(S) FL=577.70	<u>EXIST WW MH-6230</u> RIM=586.74 8"(N) FL=579.69 8"(S) FL=579.61 8"(NE)FL=580.21	<u>EXIST WW MH-6916</u> RIM=555.83 15"(N) FL=541.60 15"(S) FL=541.55	

[illegible]



SHEET NO.

8

OF 79
May 23, 2013

REVISIONS		REMARKS	
NO.	BY	DATE	

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JULIE L. BRYAN, P.E.
CITY ENGINEER
JULIE.BRYAN@CITYOF.AUSTIN.TX
JULIE L. BRYAN, P.E.
CITY ENGINEER
JULIE.BRYAN@CITYOF.AUSTIN.TX

ENVIRONMENTAL RESOURCE MANAGEMENT
505 BARTON SPRINGS RD.
AUSTIN, TEXAS 78704
PHONE: (512) 974-2000

JJ SEABROOK STREAM RESTORATION,
RAIN GARDEN & URBAN TRAIL PROJECT
OVERVIEW OF PROPOSED
CONDITIONS

G:\ENR\517\Projects\Construction - Proj\LATN_LJ_Seabrook\Design\ACAD\Plan\PEEL\MAIN10 Erosion Index.dwg, May 22, 2013, 7:24 AM, AdamsC

MATCH LINE
(SEE THIS SHEET)

RAINGARDEN - DENVER - SHEET 13

JOHNNIE B. &
ILESTA ALEXANDER
LOT 2
2201 PALO PINTO DR.

CASEY RUSSEL
LOT 2
2109 PERSHING DR.

NOTE:
FOR ROADWAY AND URBAN TRAIL
EROSION CONTROL SEE SHEETS 13 -
15

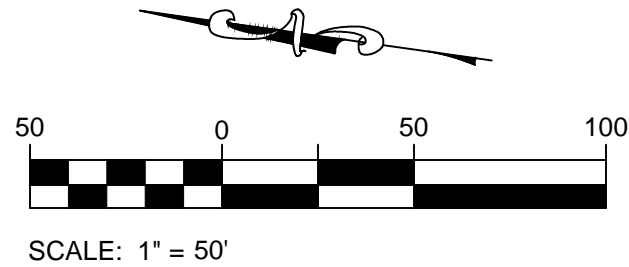
ERMA BIRDELL WILLIAMS
LOT 1
3401 GRANDE CT.

KEVIN L. & LARRY W. STEWART
LOT 37
3400 CAMBRIDGE CT.

GERTIE MCGILL
LOT 26
1909 PERSHING DR.

GERTIE MCGILL
LOT 26

HORE RICHARD ELLIOT
LOT 27
3400 E. MLK JR. BLVD.



CHANNEL SHEET - 12

CHANNEL SHEET - 11

PALO PINTO DR

PERSHING DR

EAST MARTIN LUTHER KING BLVD

MARION HUGHES D. & MORGUE
TURNER DOUGLAS
LOT 4
2106 PALO PINTO DR.

EDDIE B. FREEMAN
LOT 5
2102 PALO PINTO DR.

ALAN HARRIS, LLC
LOT 6
2100 PALO PINTO DR.

ERIC & MARY ELIZABETH
WILCOX
LOT 7
2008 PALO PINTO DR.

BRADLEY TOLOKKO
LOT 8
2006 PALO PINTO DR.

JOHN WILLIAMS
LOT 9
2004 PALO PINTO DR.

DAVID RAINES
LOT 10
2002 PALO PINTO DR.

FLORINDY PROPERTIES, INC.
LOT 11
2000 PALO PINTO DR.

THADDEUS A. SR. & MARY
MCDONALD
LOT 12
1910 PERSHING DR.

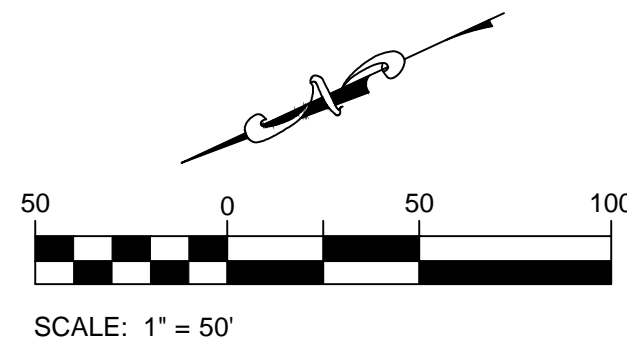
ALICE M. HOUSTON
LOT 13
1908 PERSHING DR.

GERTRUDE PATTON
LOT 14
1906 PERSHING DR.

MX3 INVESTMENTS,
LLC
LOT 15
1904 PERSHING DR.

VERNICE T. SMITH
LOT 16
3304 E. MLK JR. BLVD.

NOTE:
FOR ROADWAY AND URBAN TRAIL EROSION CONTROL SEE SHEET 13 - 16



RAINGARDEN - GREENWOOD - SHEET - 13

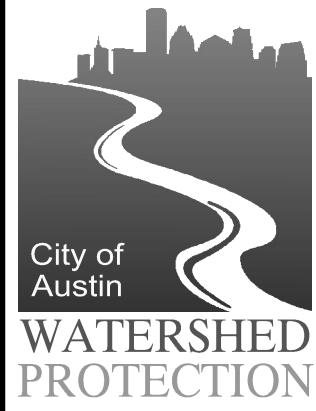
MATCH LINE
(SEE THIS SHEET)

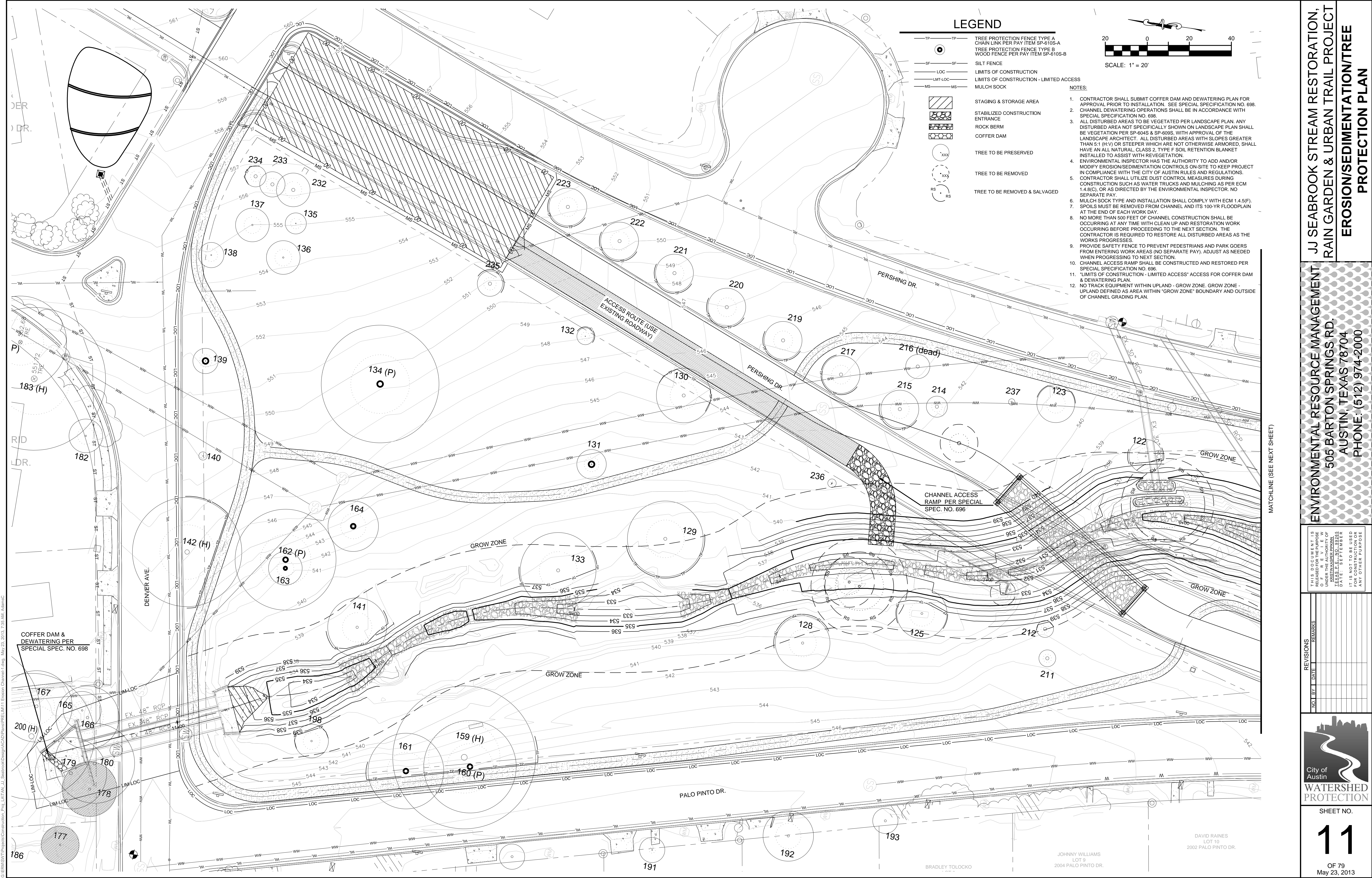
ENVIRONMENTAL RESOURCE MANAGEMENT
505 BARTON SPRINGS RD.
AUSTIN, TEXAS 78704
PHONE: (512) 974-2000

JJ SEABROOK STREAM RESTORATION,
RAIN GARDEN & URBAN TRAIL PROJECT
EROSION/SEDIMENTATION/TREE
PROTECTION PLAN - INDEX

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CITY OF AUSTIN.
DATE: 05/22/2013
BY: J. ADAMS

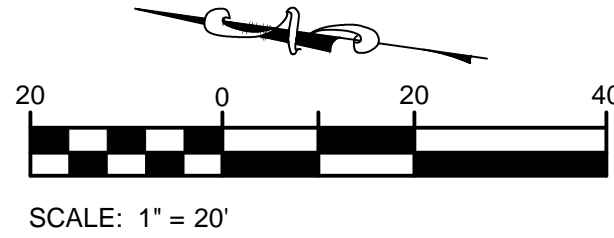
REVISIONS		REMARKS
NO.	BY	DATE





LEGEND

- TP TP TREE PROTECTION FENCE TYPE A CHAIN LINK PER PAY ITEM SP-6105-A
- SF SF TREE PROTECTION FENCE TYPE B WOOD FENCE PER PAY ITEM SP-6105-B
- LOC LIMITS OF CONSTRUCTION
- LMT-LOC LIMITS OF CONSTRUCTION - LIMITED ACCESS
- MS MS MULCH SOCK
- STAGING & STORAGE AREA
- STABILIZED CONSTRUCTION ENTRANCE
- ROCK BERM
- COFFER DAM
- XXX TREE TO BE PRESERVED
- XXX TREE TO BE REMOVED
- RS RS TREE TO BE REMOVED & SALVAGED



- NOTES:
- CONTRACTOR SHALL SUBMIT COFFER DAM AND DEWATERING PLAN FOR APPROVAL PRIOR TO INSTALLATION. SEE SPECIAL SPECIFICATION NO. 698.
 - CHANNEL DEWATERING OPERATIONS SHALL BE IN ACCORDANCE WITH SPECIAL SPECIFICATION NO. 698.
 - ALL DISTURBED AREAS TO BE VEGETATED PER LANDSCAPE PLAN. ANY DISTURBED AREA NOT SPECIFICALLY SHOWN ON LANDSCAPE PLAN SHALL BE VEGETATED PER SP-6045 & SP-6095, WITH APPROVAL OF THE LANDSCAPE ARCHITECT. ALL DISTURBED AREAS WITH SLOPES GREATER THAN 5:1 (H:V) OR STEEPER WHICH ARE NOT OTHERWISE ARMORED, SHALL HAVE AN ALL NATURAL, CLASS 2, TYPE F SOIL RETENTION BLANKET INSTALLED TO ASSIST WITH REVEGETATION.
 - ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON-SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS.
 - CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING CONSTRUCTION SUCH AS WATER TRUCKS AND MULCHING AS PER ECM 1.4.8(C), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. NO SEPARATE PAY.
 - MULCH SOCK TYPE AND INSTALLATION SHALL COMPLY WITH ECM 1.4.5(F).
 - SPOILS MUST BE REMOVED FROM CHANNEL AND ITS 100-YR FLOODPLAIN AT THE END OF EACH WORK DAY.
 - NO MORE THAN 500 FEET OF CHANNEL CONSTRUCTION SHALL BE OCCURRING AT ANY TIME WITH CLEAN UP AND RESTORATION WORK OCCURRING BEFORE PROCEEDING TO THE NEXT SECTION. THE CONTRACTOR IS REQUIRED TO RESTORE ALL DISTURBED AREAS AS THE WORKS PROGRESSES.
 - PROVIDE SAFETY FENCE TO PREVENT PEDESTRIANS AND PARK GOERS FROM ENTERING WORK AREAS (NO SEPARATE PAY). ADJUST AS NEEDED WHEN PROGRESSING TO NEXT SECTION.
 - CHANNEL ACCESS RAMP SHALL BE CONSTRUCTED AND RESTORED PER SPECIAL SPECIFICATION NO. 696.
 - "LIMITS OF CONSTRUCTION - LIMITED ACCESS" ACCESS FOR COFFER DAM & DEWATERING PLAN.
 - NO TRACK EQUIPMENT WITHIN UPLAND - GROW ZONE. GROW ZONE - UPLAND DEFINED AS AREA WITHIN "GROW ZONE" BOUNDARY AND OUTSIDE OF CHANNEL GRADING PLAN.

MATCHLINE (SEE NEXT SHEET)

GENESIS/IT Project Commission Proj. LAT-01-13 Seabrook Design/ACAD/Plan/PEL/ML/1 Erosion Channel - Aug. May 23, 2013, 7:25 AM AdamC

COFFER DAM & DEWATERING PER SPECIAL SPEC. NO. 698

BRADLEY TOLOCKO

JOHNNY WILLIAMS
LOT 9
2004 PALO PINTO DR.

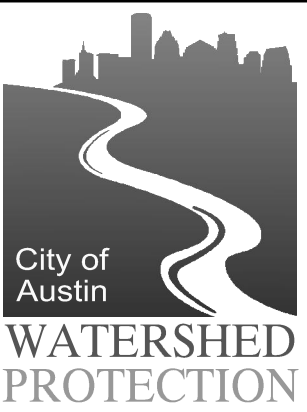
DAVID RAINES
LOT 10
2002 PALO PINTO DR.

JJ SEABROOK STREAM RESTORATION,
RAIN GARDEN & URBAN TRAIL PROJECT
EROSION/SEDIMENTATION/TREE
PROTECTION PLAN

ENVIRONMENTAL RESOURCE MANAGEMENT
505 BARTON SPRINGS RD.
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PHONE: (512) 974-2000

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ENGINEER.
PLEASE P. E. L. NO. 18245
DATE: SEPTEMBER
2013

NO.	BY	DATE	REMARKS



SHEET NO.

11

OF 79
May 23, 2013

MA BIRDELL WILLIAMS
LOT 1
3401 GRANDE CT.

KEVIN L. & LARRY W. STEWART
LOT 37
3400 CAMBRIDGE CT.

GERTIE MCGILL
LOT 29
1909 PERSHING DR.

GERTIE MCGILL
LOT 28
1909 PERSHING DR.

HOKE RICHARD ELLIOT
LOT 27
3400 E. MLK JR. BLVD.

EAST MARTIN LUTHER KING BLVD.

FLOURNOY PROPERTIES II,
LTD.
LOT 11
2000 PALO PINTO DR.

THADDEUS A. SR. & MARY
MCDONALD
LOT 12
1910 PERSHING DR.

ALICE M. HOUSTON
LOT 13
1908 PERSHING DR.

GERTRUDE PATTON
LOT 14
1906 PERSHING DR.

MX3 INVESTMENTS, LLC.
LOT 15
1904 PERSHING DR.

VERNICE T. SMITH
LOT 16
3304 E. MLK JR. BLVD.

JOHNNY WILLIAMS
LOT 9
2004 PALO PINTO DR.

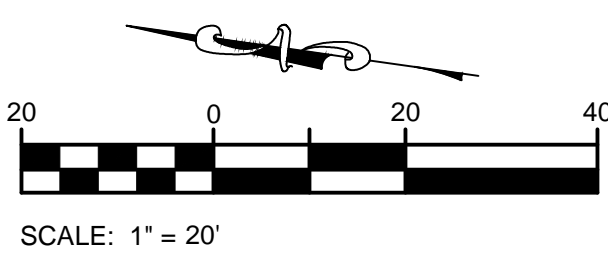
DAVID RAINES
LOT 10
2002 PALO PINTO DR.

LEGEND

- TP TP TREE PROTECTION FENCE TYPE A
CHAIN LINK PER PAY ITEM SP-610S-A
SF SF TREE PROTECTION FENCE TYPE B
WOOD FENCE PER PAY ITEM SP-610S-B
LOC LIMITS OF CONSTRUCTION
LMT LOC LIMITS OF CONSTRUCTION - LIMITED ACCESS
MS MS MULCH SOCK
- STAGING & STORAGE AREA
STABILIZED CONSTRUCTION
ENTRANCE
ROCK BERM
COFFER DAM
COFFER DAM
TREE TO BE PRESERVED
- TREE TO BE REMOVED
TREE TO BE REMOVED & SALVAGED

NOTES:

- CONTRACTOR SHALL SUBMIT COFFER DAM AND DEWATERING PLAN FOR APPROVAL PRIOR TO INSTALLATION. SEE SPECIAL SPECIFICATION NO. 698.
- CHANNEL DEWATERING OPERATIONS SHALL BE IN ACCORDANCE WITH SPECIAL SPECIFICATION NO. 698.
- ALL DISTURBED AREAS TO BE VEGETATED PER LANDSCAPE PLAN. ANY DISTURBED AREA NOT SPECIFICALLY SHOWN ON LANDSCAPE PLAN SHALL BE VEGETATION PER SP-604S & SP-609S, WITH APPROVAL OF THE LANDSCAPE ARCHITECT. ALL DISTURBED AREAS WITH SLOPES GREATER THAN 5:1 (H:V) OR STEEPER WHICH ARE NOT OTHERWISE ARMORED, SHALL HAVE AN ALL NATURAL, CLASS 2, TYPE F SOIL RETENTION BLANKET INSTALLED TO ASSIST WITH REVEGETATION.
- ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON-SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS.
- CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING CONSTRUCTION SUCH AS WATER TRUCKS AND MULCHING AS PER ECM 1.4.8(C), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. NO SEPARATE PAY.
- MULCH SOCK TYPE AND INSTALLATION SHALL COMPLY WITH ECM 1.4.5(F).
- SPOILS MUST BE REMOVED FROM CHANNEL AND ITS 100-YR FLOODPLAIN AT THE END OF EACH WORK DAY.
- NO MORE THAN 500 FEET OF CHANNEL CONSTRUCTION SHALL BE OCCURRING AT ANY TIME WITH CLEAN UP AND RESTORATION WORK OCCURRING BEFORE PROCEEDING TO THE NEXT SECTION. THE CONTRACTOR IS REQUIRED TO RESTORE ALL DISTURBED AREAS AS THE WORKS PROGRESSES.
- PROVIDE SAFETY FENCE TO PREVENT PEDESTRIANS AND PARK GOERS FROM ENTERING WORK AREAS (NO SEPARATE PAY). ADJUST AS NEEDED WHEN PROGRESSING TO NEXT SECTION.
- CHANNEL ACCESS RAMP SHALL BE CONSTRUCTED AND RESTORED PER SPECIAL SPECIFICATION NO. 698.
- "LIMITS OF CONSTRUCTION - LIMITED ACCESS" ACCESS FOR COFFER DAM & DEWATERING PLAN.
- NO TRACK EQUIPMENT WITHIN UPLAND - GROW ZONE. GROW ZONE - UPLAND DEFINED AS AREA WITHIN 'GROW ZONE' BOUNDARY AND OUTSIDE OF CHANNEL GRADING PLAN.

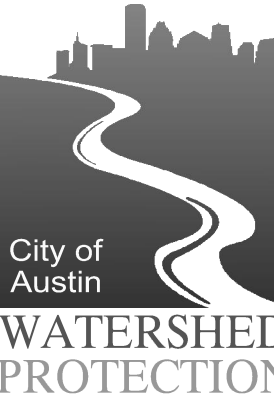


ENVIRONMENTAL RESOURCE MANAGEMENT
505 BARTON SPRINGS RD.
AUSTIN, TEXAS 78704
PHONE: (512) 974-2000

JJ SEABROOK STREAM RESTORATION,
RAIN GARDEN & URBAN TRAIL PROJECT
EROSION/SEDIMENTATION/TREE
PROTECTION PLAN

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PLEASE E-MAIL ANY
COMMENTS TO:
JAY@ERM.COM

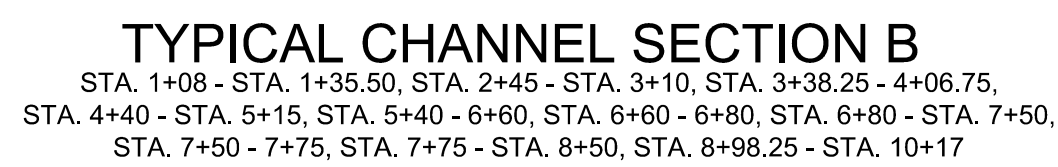
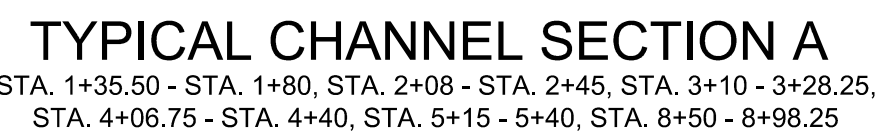
NO.	BY	DATE	REMARKS



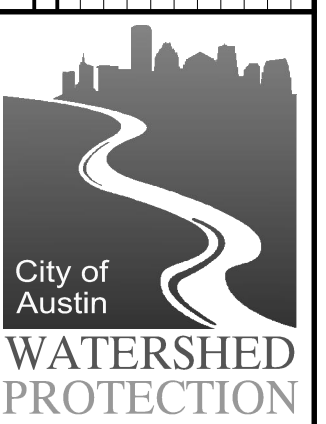
SHEET NO.

12

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May 23, 2013



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AUSTIN, TEXAS 78704
PHONE: (512) 974-2000

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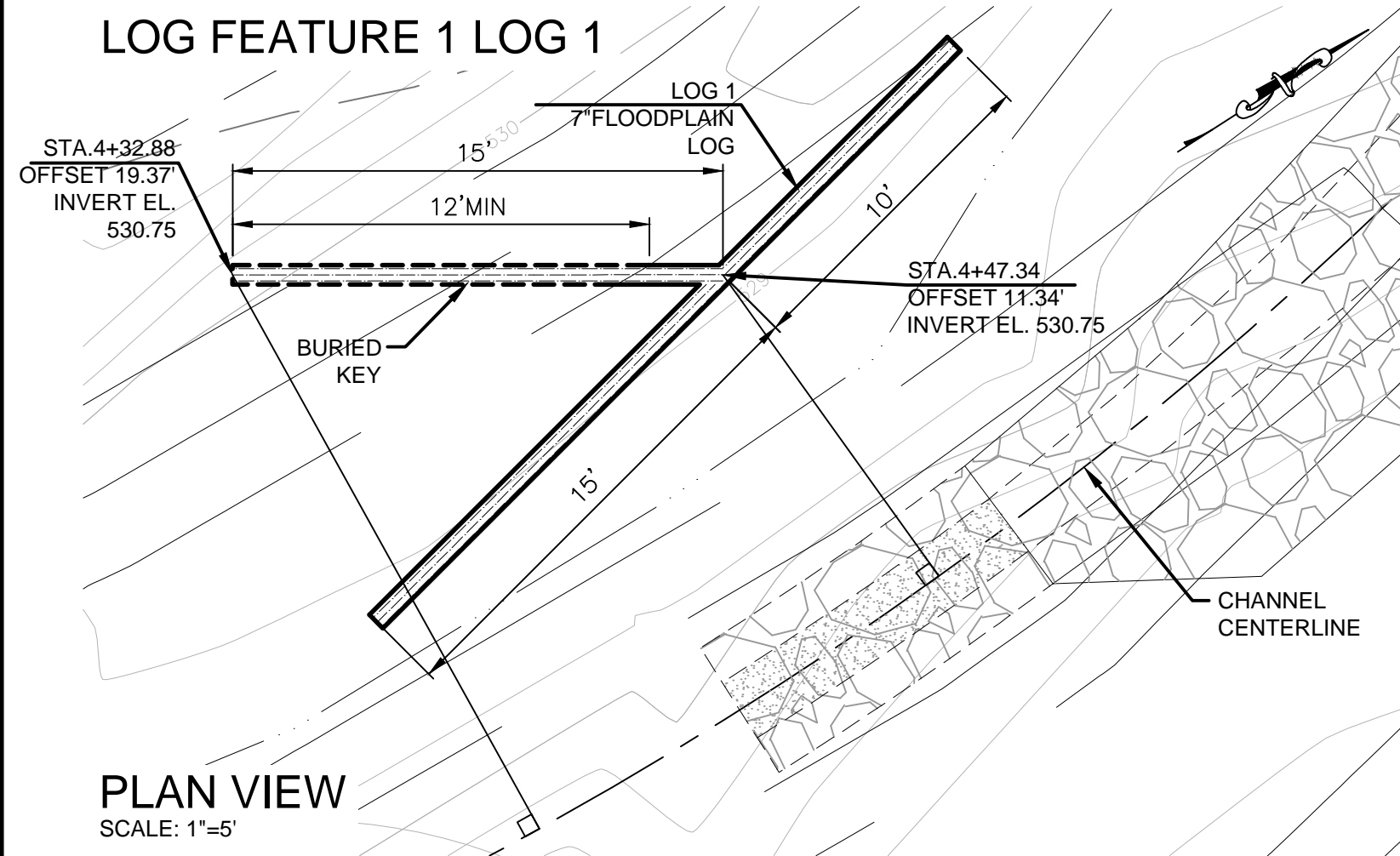
SHEET NO.

23

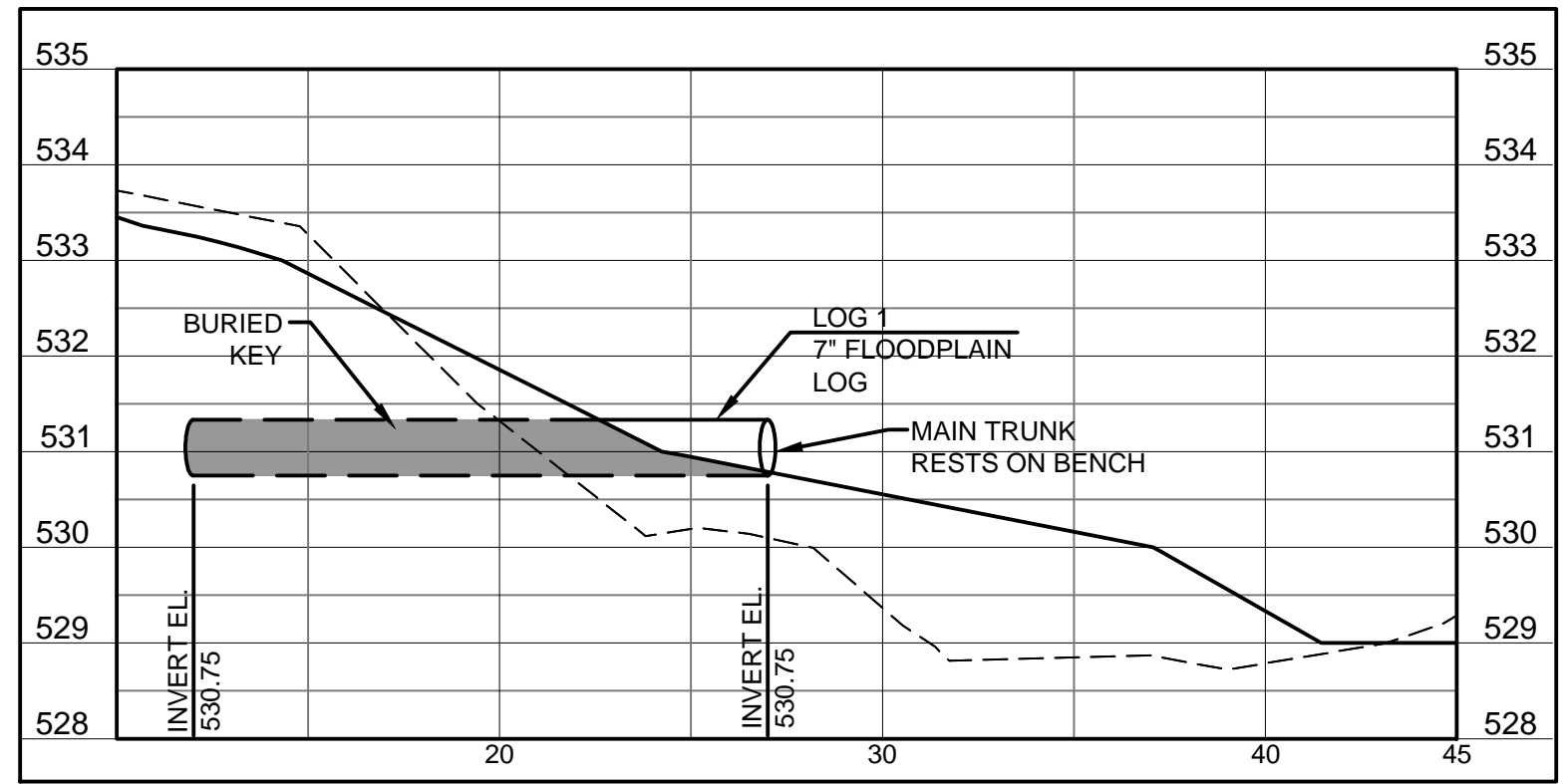
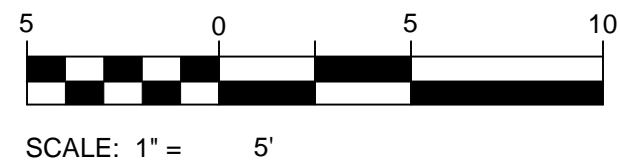
OF 79
May 23, 2013

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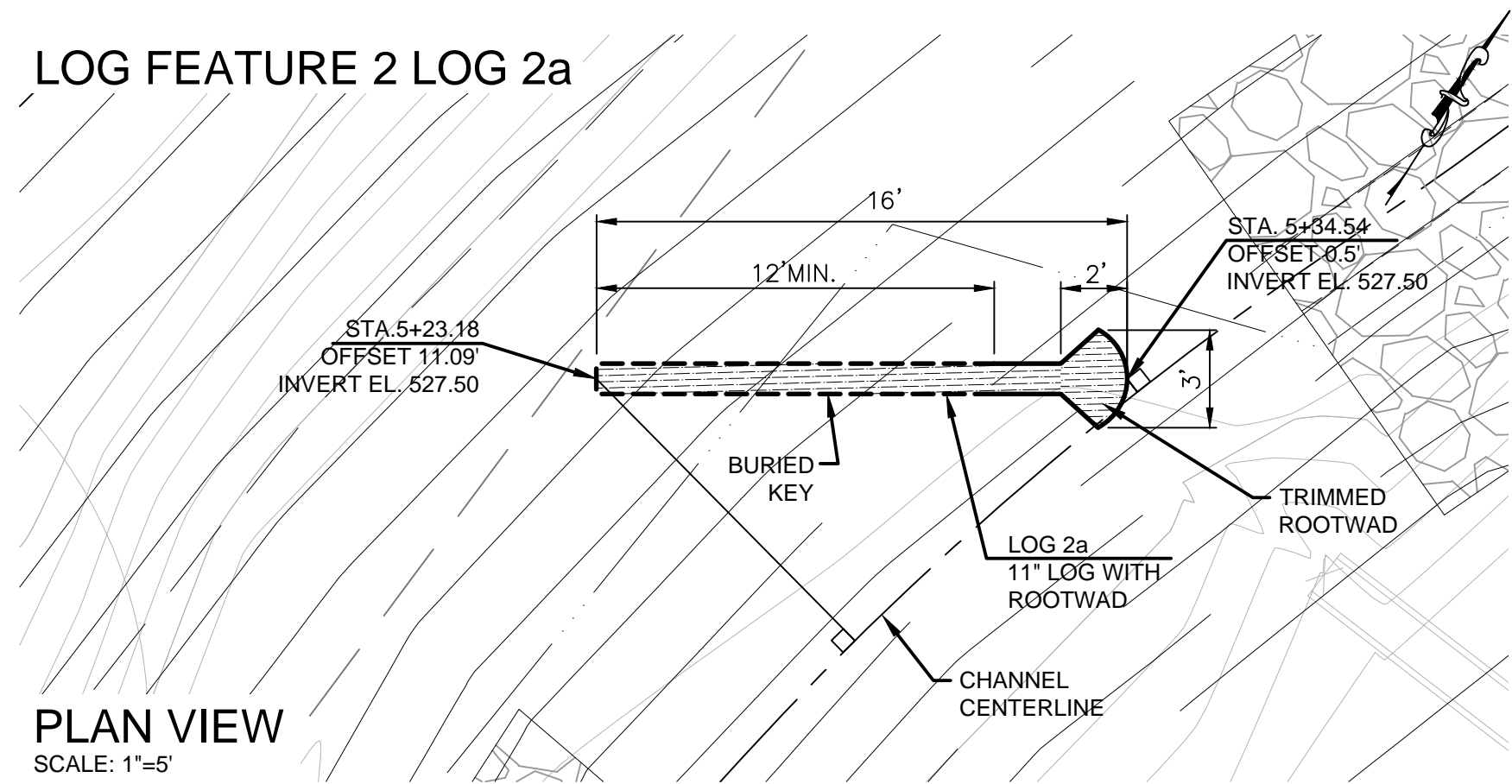
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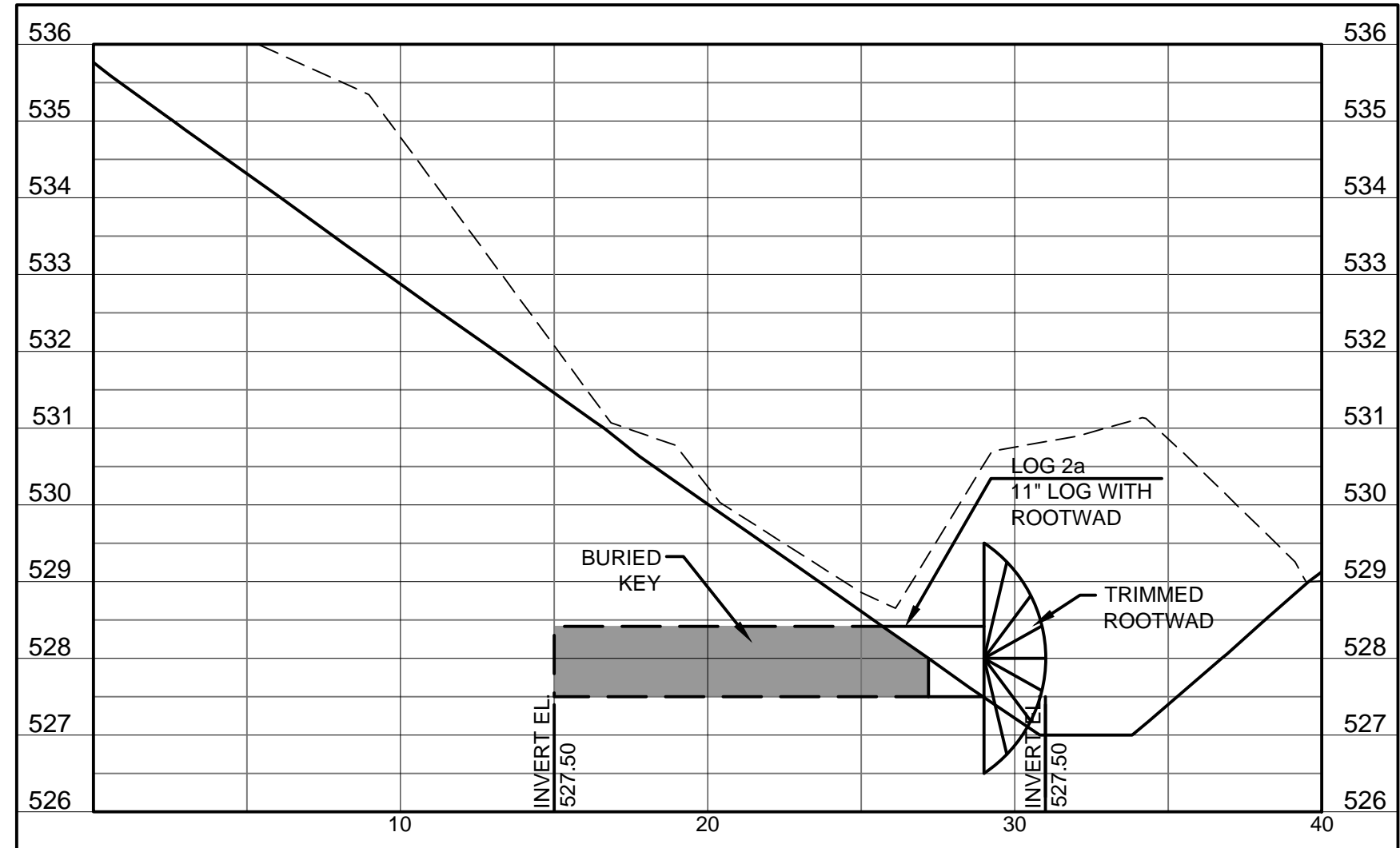
PLAN VIEW
SCALE: 1"=5'



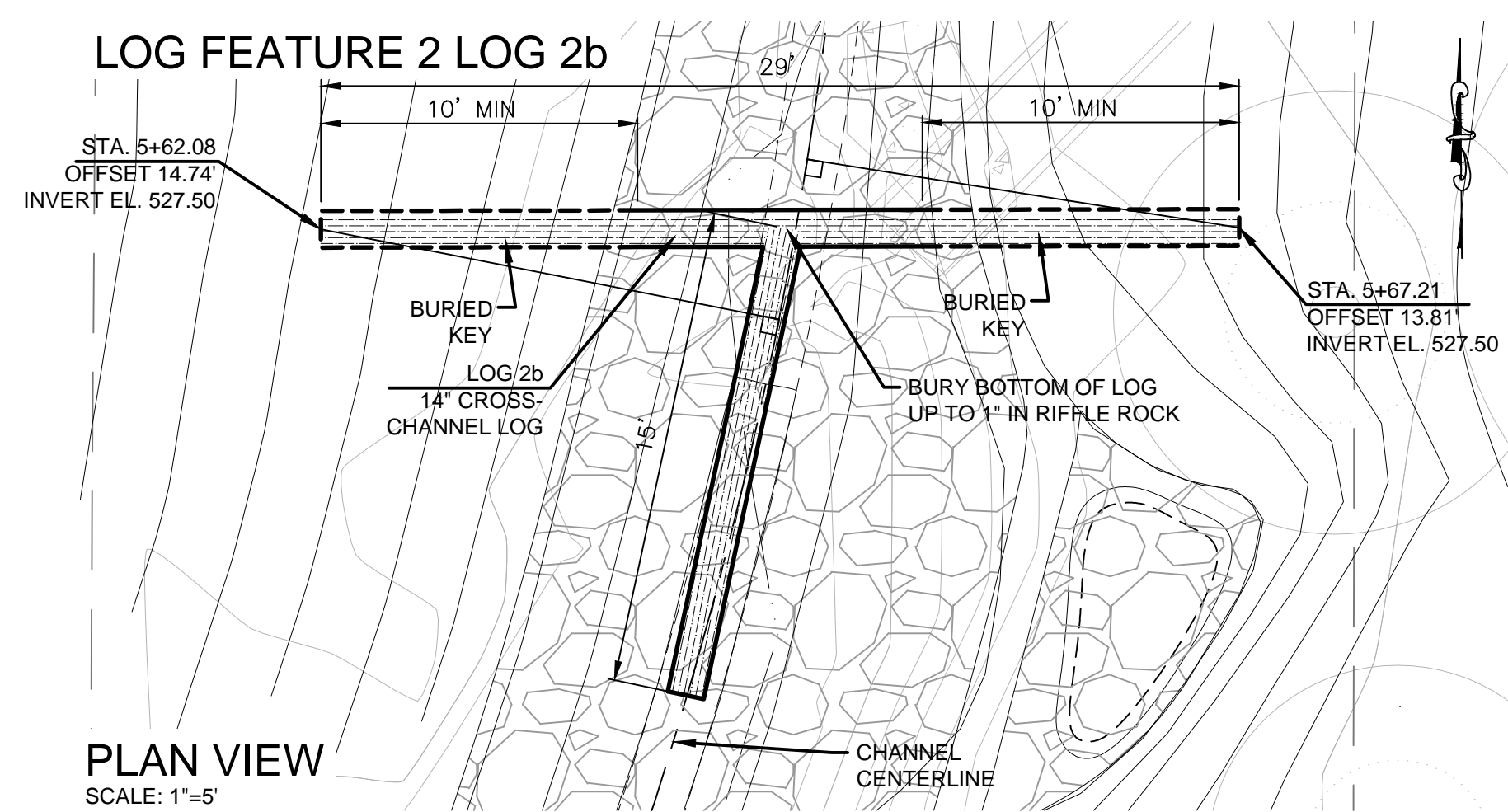
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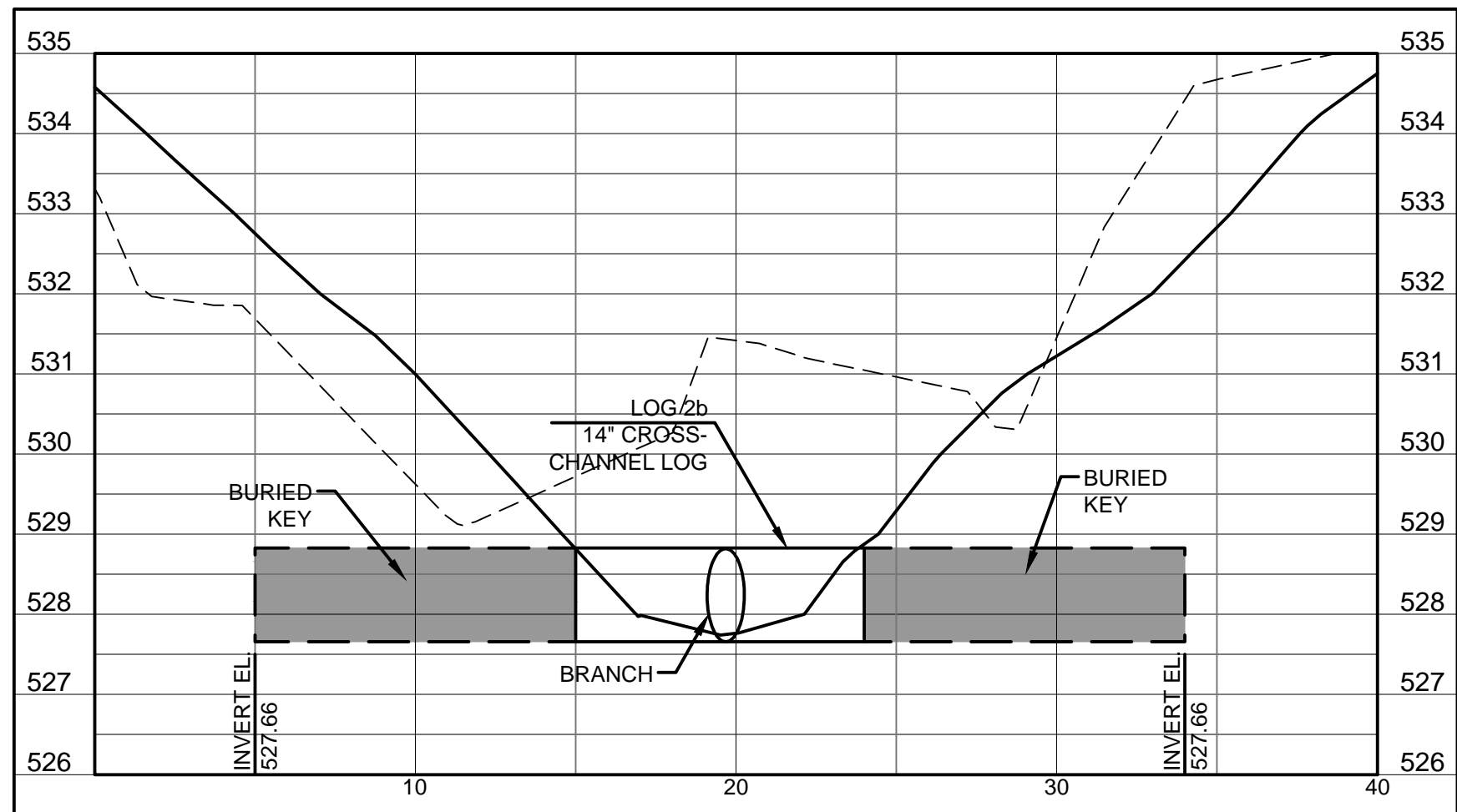
PLAN VIEW
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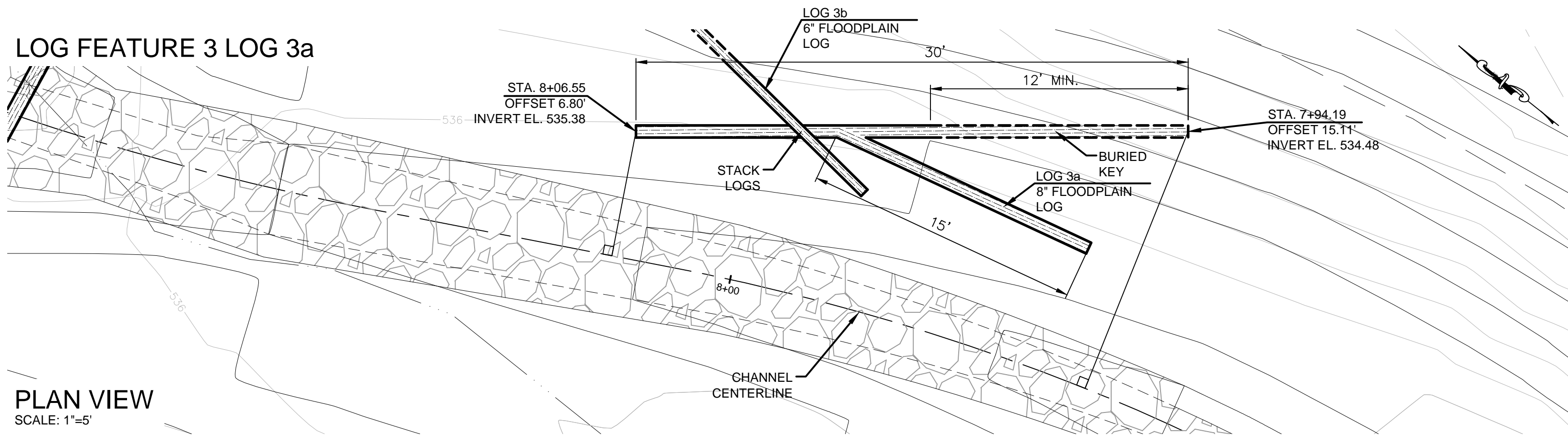
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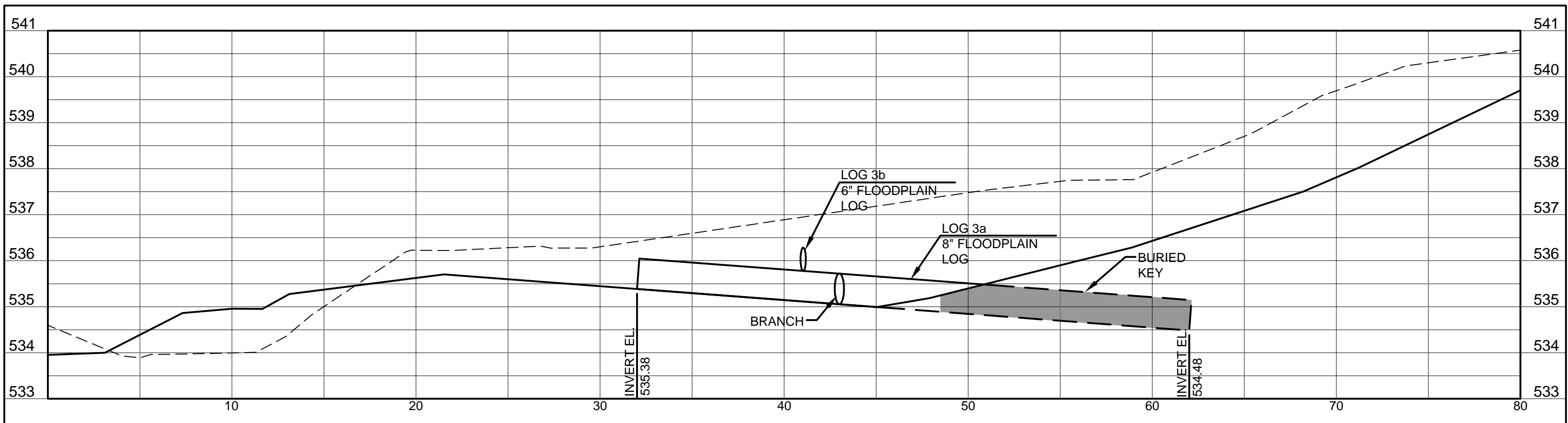
PLAN VIEW
SCALE: 1"=5'



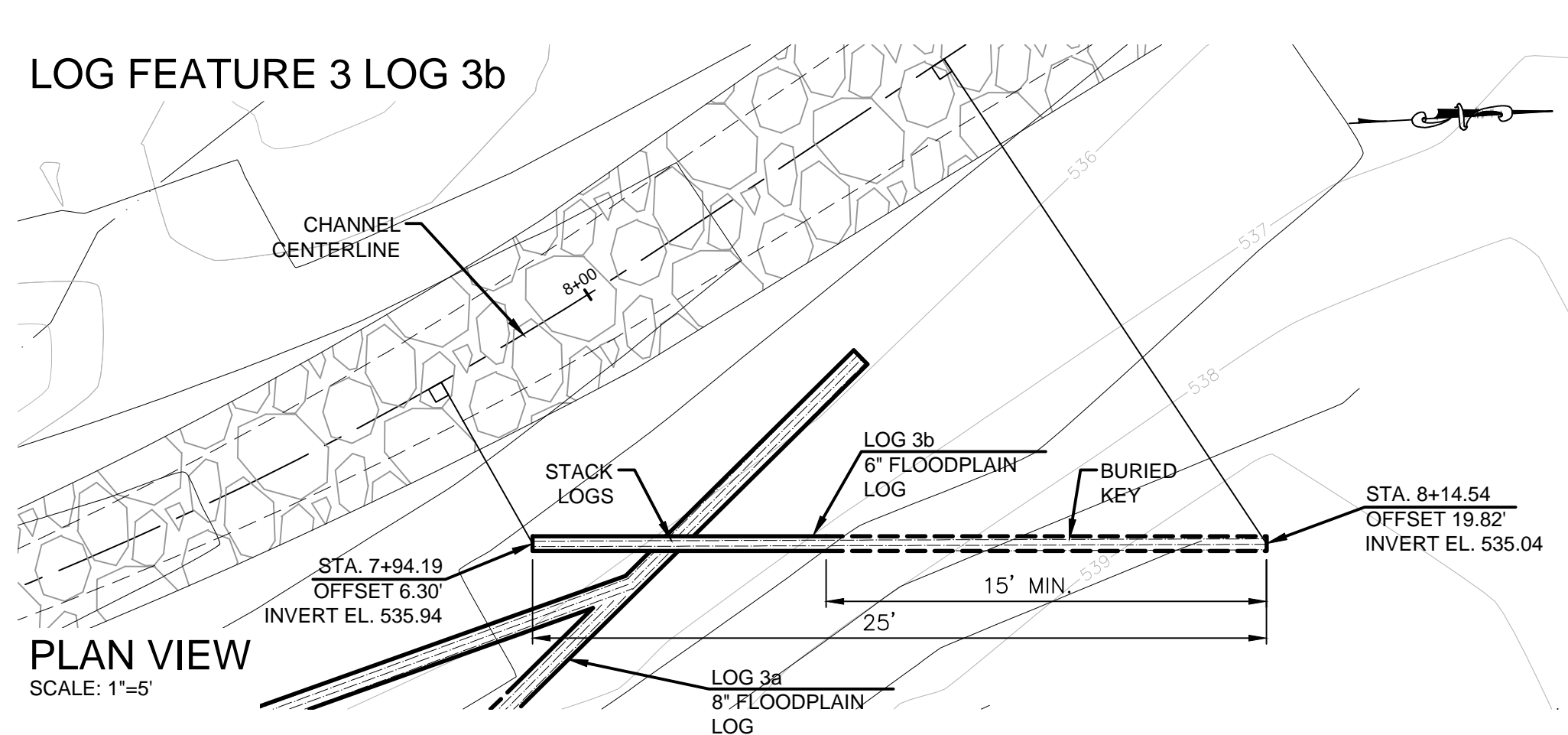
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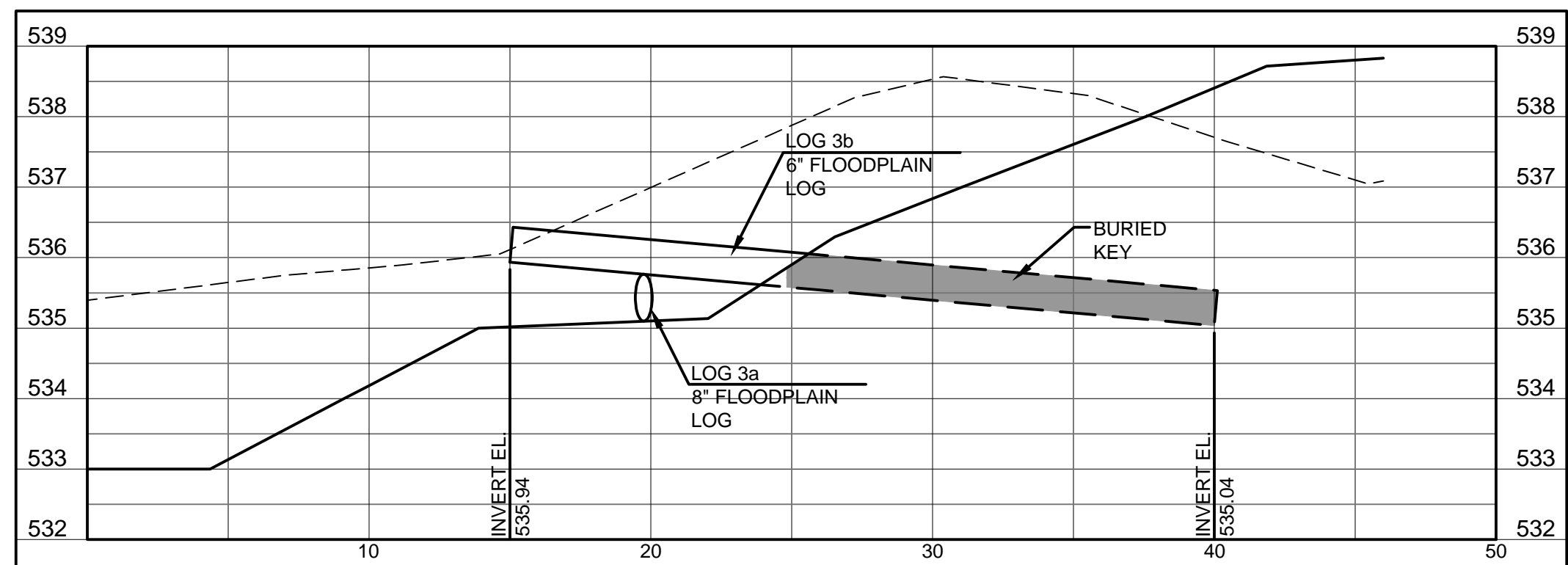
PLAN VIEW
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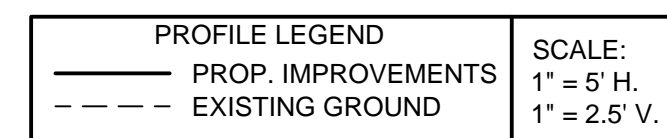
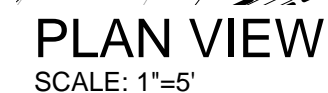
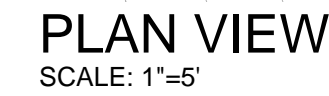
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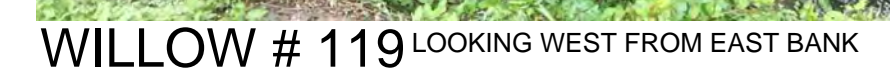
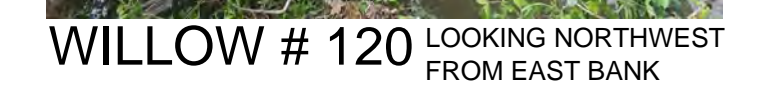
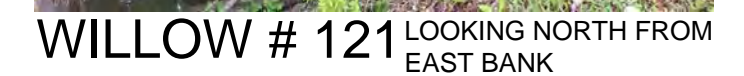
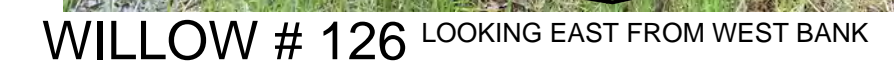
PLAN VIEW
SCALE: 1"=5'

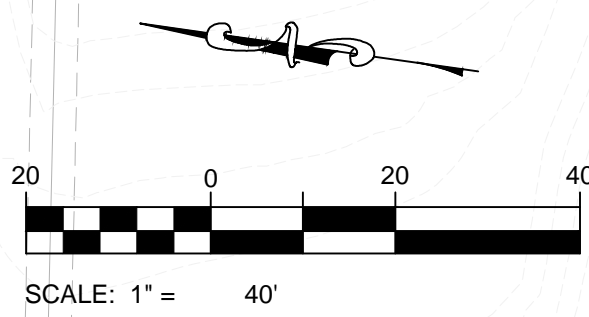


NO.	BY	DATE	REMARKS




SALVAGED LOGS - TREE PHOTOS





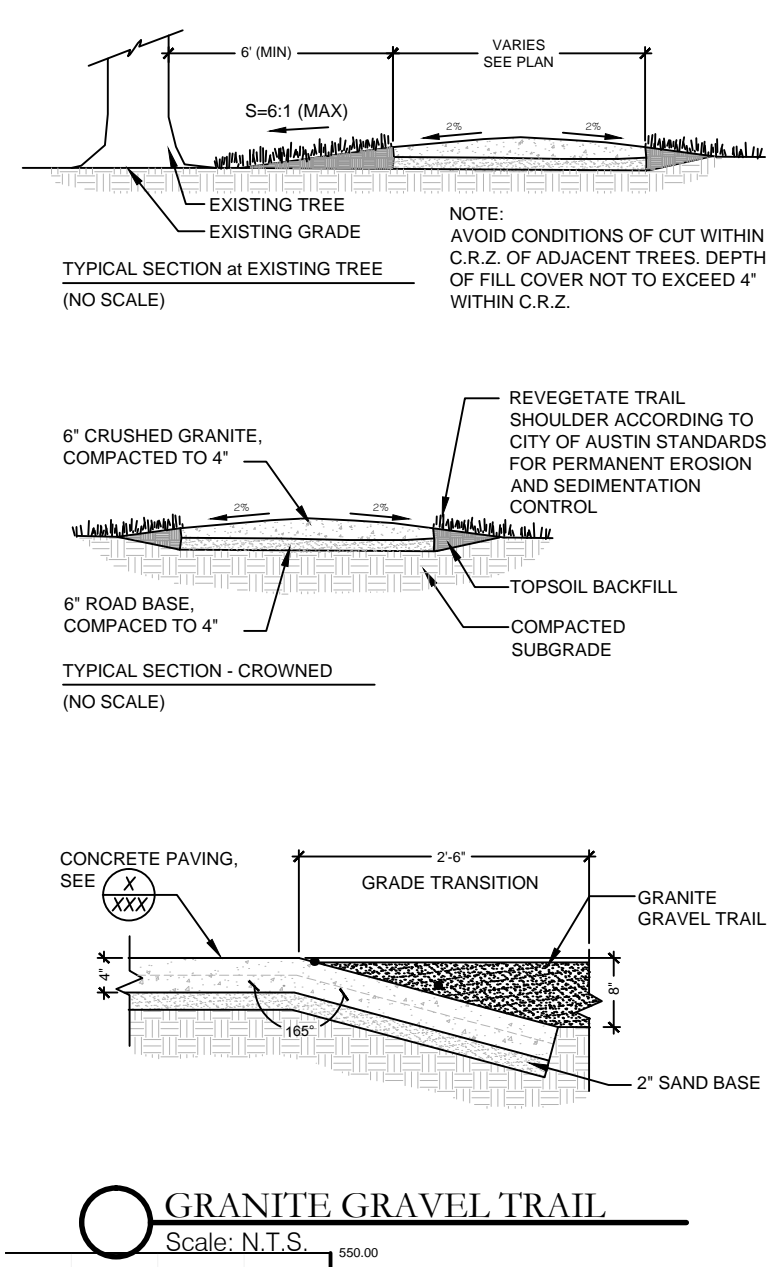
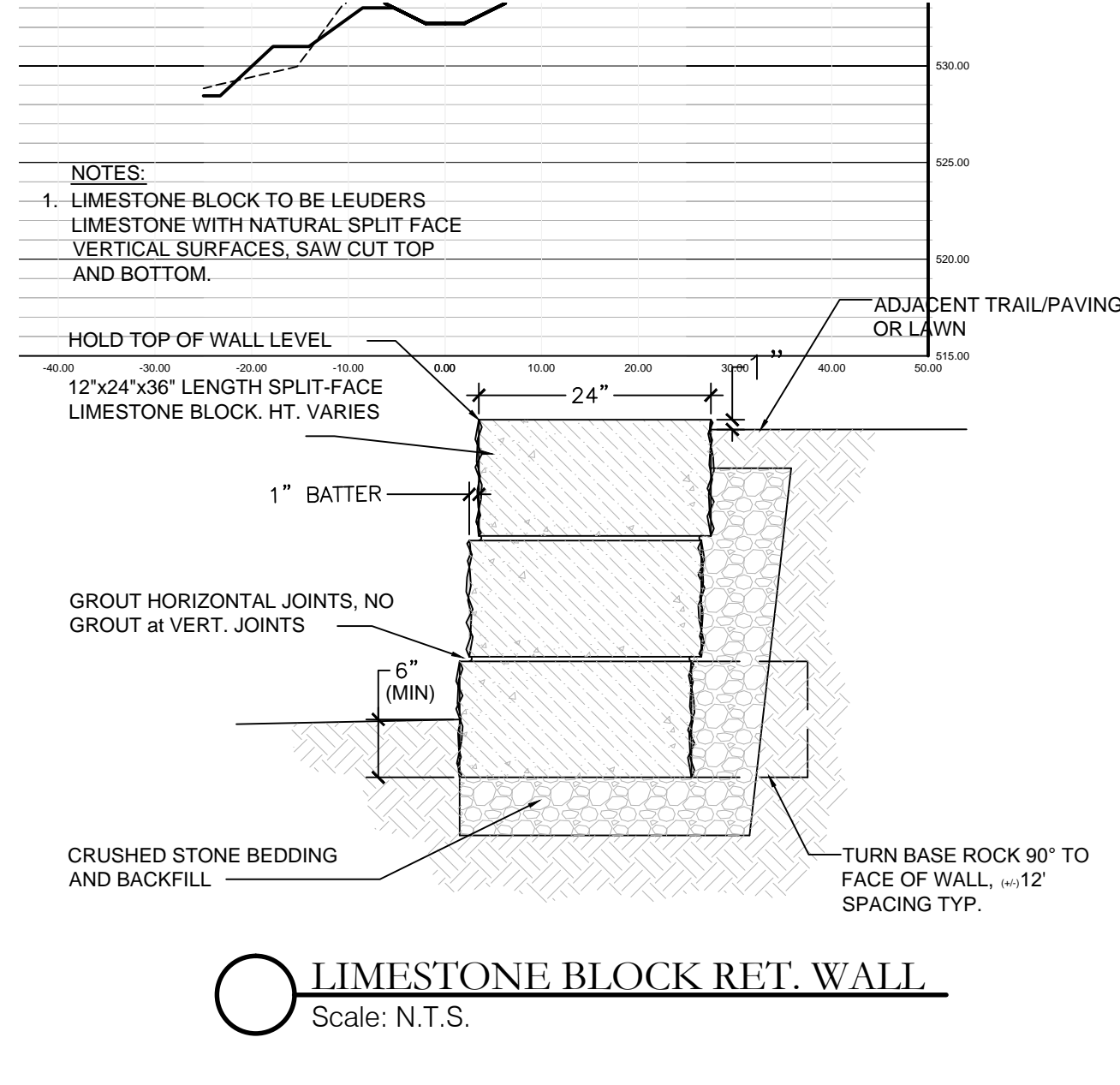
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UNDER THE AUTHORITY OF
KRISTIN KASPER PIPKIN
TEXAS P.E. NO. 99265
DATE: SEPTEMBER



City of Austin
WATERSHED
PROTECTION

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May 23, 2013



PART 1 - GENERAL

1.01 Description

A. Furnish and install granite gravel paving as shown.

B. Related work specified elsewhere

1. Series 400 - Concrete Structures and Misc. Concrete

2. Series 100 - Earthwork

3. Series 210 - Flexible Base

4. Section 02760 - Site Furnishing

5. Section 13122 - Rubberized Safety Surface

6. Section 13121 - Pea Gravel

PART 2 - PRODUCTS

2.01 Materials

A. The wearing materials shall be comprised of 6" decomposed unwashed granite aggregate and red clay fines.

B. The granite shall meet the following gradation:

Retained on 3/8" sieve - 0	%
Retained on 3/8" sieve - 10	% to 25
Retained on #4 sieve - 40	% to 55
Retained on #10 sieve - 20	% to 35

C. The subbase material shall be 6" red road base.

D. Submit sample to Owner's Representative for approval prior to acceptance.

PART 3 - EXECUTION

3.01 Installation

A. General

1. Perform all work in accordance with drawings.

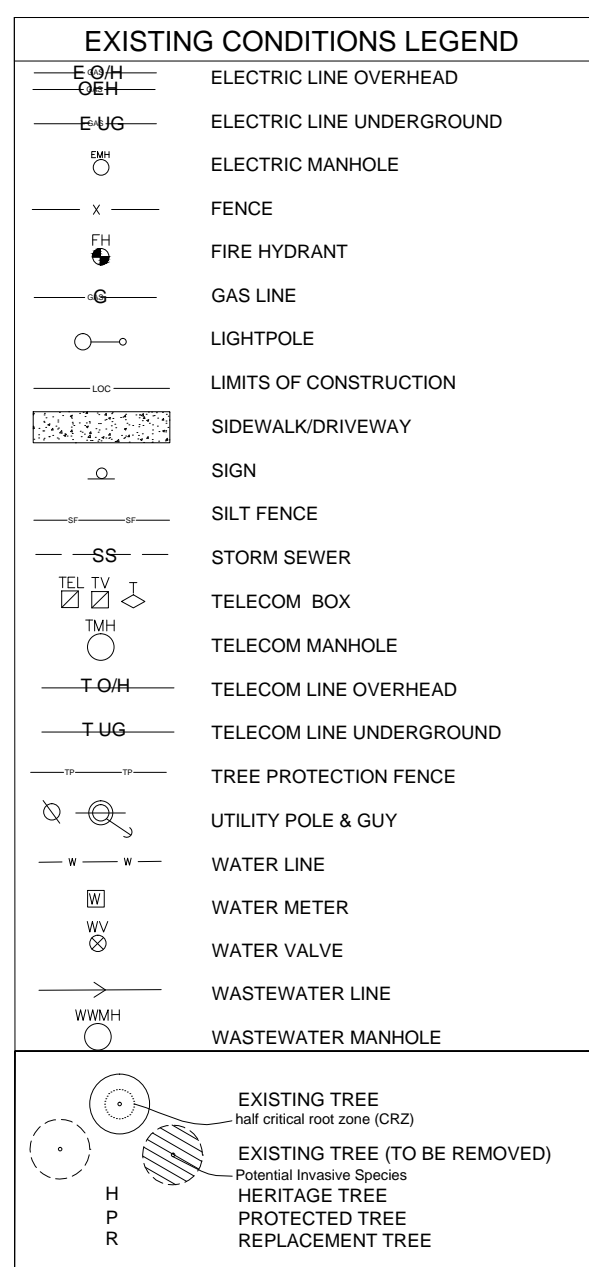
2. Protect existing trees, property and public right-of-ways from damage by trucks and equipment.

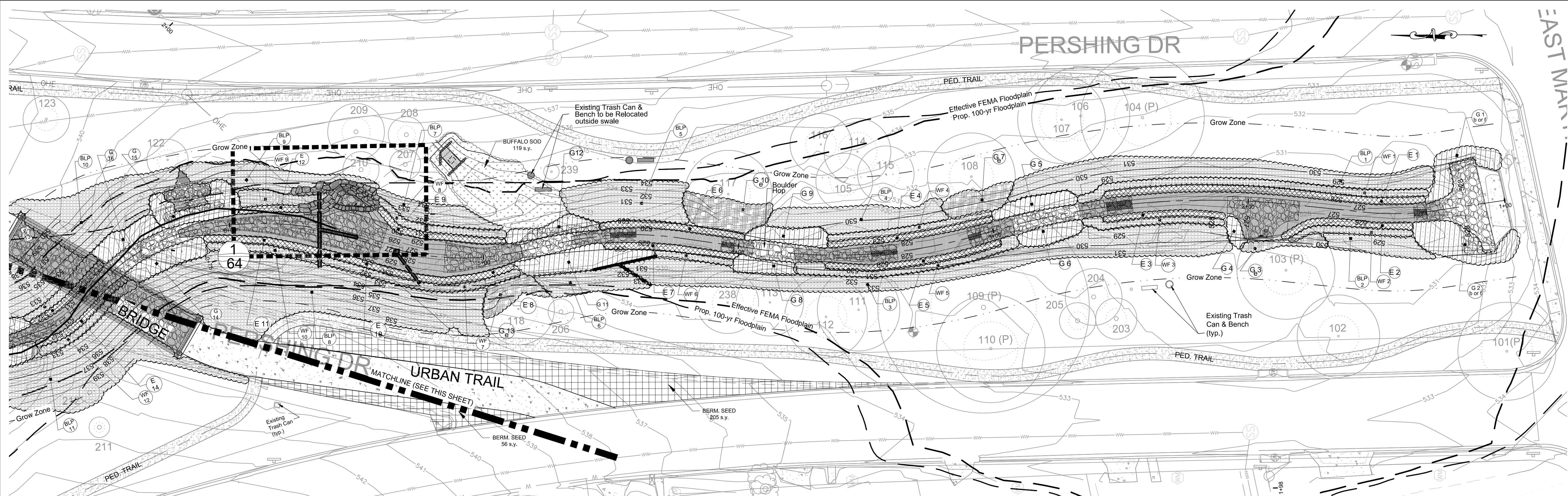
B. The granite gravel wearing course shall be 6", compacted to 4", and shall be crowned.

C. Red road base subbase course shall be 6" compacted to 4".

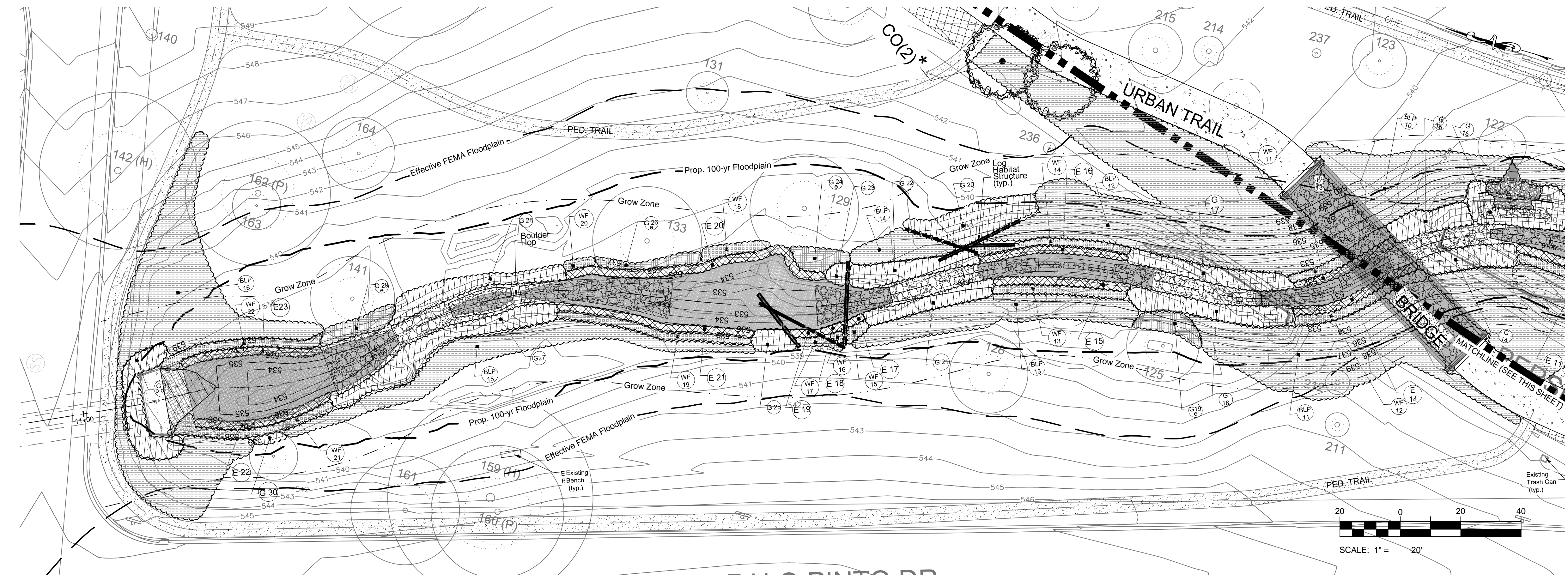
D. Upon completion of installation, all granite gravel shall be removed from adjoining hard surfaces (i.e. retaining curbside, sidewalks, rubber safety surface, playground decks or ramps.)

E. Install any adjacent hard surfaces, such as curbs or walks, prior to installation of granite gravel.





1 LANDSCAPE PLAN: STREAM RESTORATION



2 LANDSCAPE PLAN: STREAM RESTORATION

LANDSCAPE LEGEND	
	BERMUDA GRASS REVEGETATION: SEED
	HYBRID BERMUDA GRASS SOLID SOD
	EXISTING TREE (TO BE SAVED)
	half critical root zone (CRZ)
	EXISTING TREE (TO BE REMOVED)
	Potential Invasive Species
	HERITAGE TREE
	PROTECTED TREE
	REPLACEMENT TREE

STREAM RESTORATION LANDSCAPE PLANTING KEY	
BLP	Blackland Prairie Zone
E	Emergent Plant Zone
G	Grasses
WF	Wetland Fringe Zone
	Stream Pool

Reference tables on Sheet 64 for plant quantities, area calculations, or specified species.

For restoration of areas adjacent to the pedestrian trail after construction, use Bermudagrass seed per SP604S, except where the trail abuts or runs inside the Grow Zone where the Blackland Prairie seed mix shall be used.

JJ SEABROOK STREAM RESTORATION,
RAIN GARDEN & URBAN TRAIL PROJECT
LANDSCAPE PLAN - STREAM
RESTORATION: REVEGETATION

ENVIRONMENTAL RESOURCE MANAGEMENT
505 BARTON SPRINGS RD.
AUSTIN, TEXAS 78704
PHONE: (512) 974-2000

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NO.	REVISIONS

