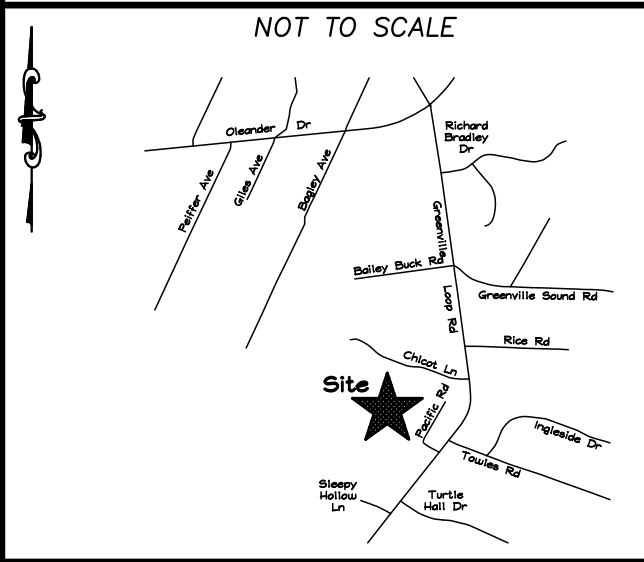


**LOCATION MAP**



CONSTRUCTION DRAWINGS FOR  
**PACIFIC PLACE**

LOCATED IN CITY OF WILMINGTON  
NEW HANOVER COUNTY, NORTH CAROLINA

**GENERAL NOTES:**

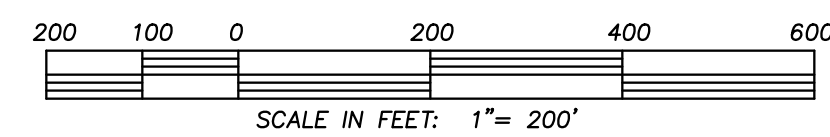
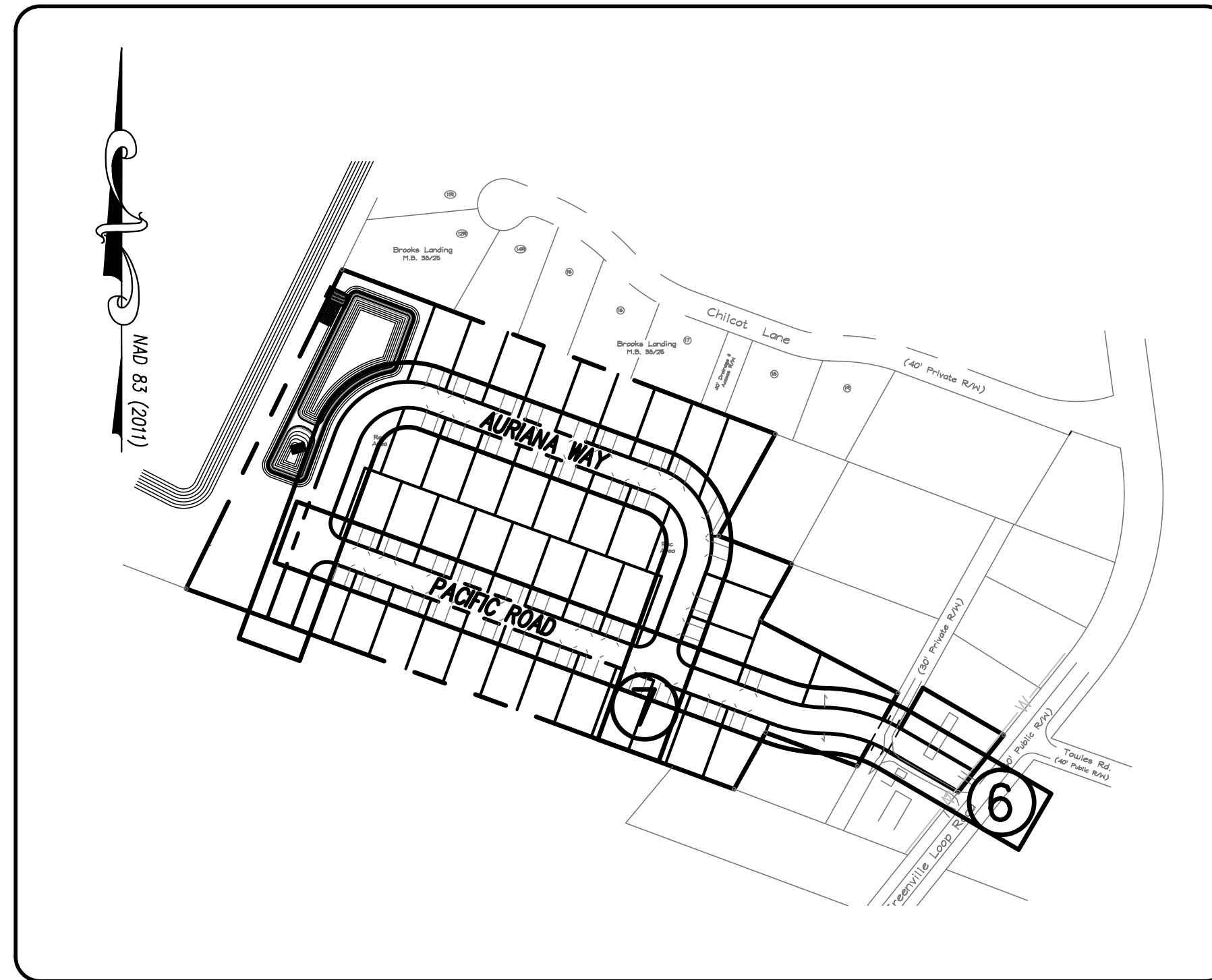
- NEW HANOVER COUNTY PARCEL NUMBERS:  
PID = R06212-001-008-000 & R06212-001-002-000
- TOTAL PROJECT AREA: 11.08 AC
- EXISTING ZONING DISTRICT: R-15
- THIS SITE IS LOCATED IN ZONE "X" ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 37203 15600J, DATED 4/3/06.
- SITE ADDRESS: 6561 GREENVILLE LOOP ROAD
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY GEOINNOVATION, PC  
6740 NETHERLANDS DR., UNIT A  
WILMINGTON, NC 28405  
910-799-0099
- VERTICAL DATUM: NAVD 88

WATER			
SIZE	8"	4"	2"
TYPE	C-900	C-900	SDR-21
LF	1,765	-	538

SEWER		
SIZE	8"	8"
TYPE	C-900	DIP
LF	1,478	282

**WATER & SEWER USAGE NOTES:**

CURRENT WATER USAGE 0 GPD PROPOSED WATER USAGE 14,400 GPD  
CURRENT SEWER USAGE 0 GPD PROPOSED SEWER USAGE 14,400 GPD  
(40) 3 BEDROOM LOTS X 360 GPD = 14,400 GPD



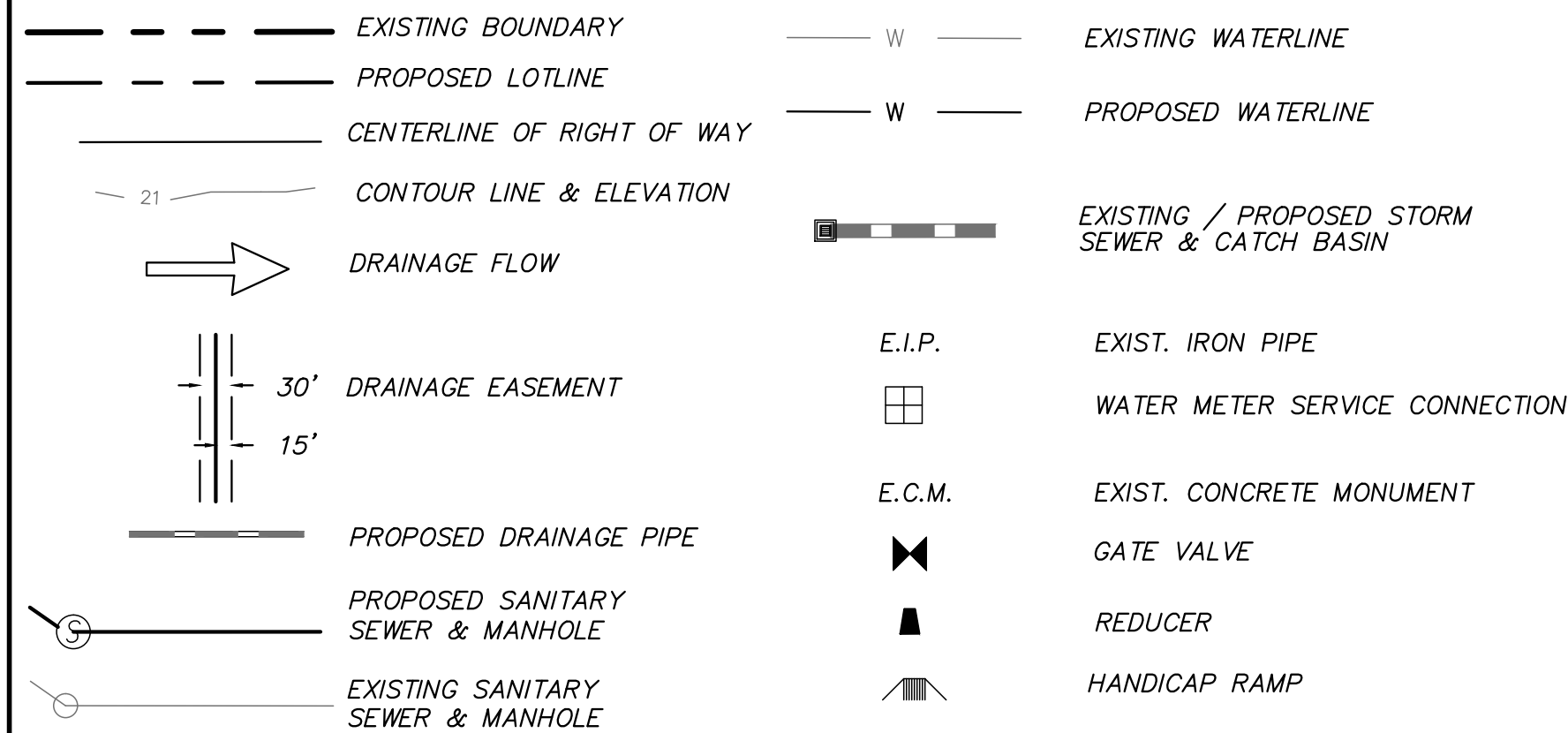
**INDEX TO DRAWINGS**

SHEET No.	DESCRIPTION	DRAWING No.
1 OF 15	COVER SHEET	CD_COV
2 OF 15	EXISTING BOUNDARY AND TOPOGRAPHY	EX_COND
3 OF 15	TREE INVENTORY	EX_COND
4 OF 15	TREE OVERLAY	TREE-OVERLAY
5 OF 15	SITE PLAN	SP_1
6 OF 15	PACIFIC ROAD	PP1
7 OF 15	AURIANA WAY	PP2
8 OF 15	LANDSCAPE PLAN	LP
9 OF 15	CITY OF WILMINGTON STANDARD DETAILS	DET_1
10 OF 15	CITY OF WILMINGTON STANDARD DETAILS	DET_2
11 OF 15	CFPUA STANDARD WATER DETAILS	WSD_1
12 OF 15	CFPUA STANDARD WATER DETAILS	WSD_2
13 OF 15	CFPUA STANDARD SEWER DETAILS	SSD_1
14 OF 15	CFPUA STANDARD SEWER DETAILS	SSD_2
15 OF 15	CFPUA STANDARD SEWER DETAILS	SSD_3

**NOTES:**

- BOUNDARY AND TOPOGRAPHY SURVEY PERFORMED BY GEOINNOVATION, PC.
- THIS MAP IS NOT FOR CONVEYANCE, RECORDATION, OR SALES.
- THIS PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA ACCORDING TO FEMA MAPS.
- THIS PROPERTY IS ZONED R-15
- CFPUA WATER
- CFPUA SEWER
- ALL CONSTRUCTION TO CONFORM TO NEW HANOVER COUNTY STANDARDS AND APPLICABLE STATE & LOCAL CODES.
- CONTRACTOR TO COORDINATE ANY REQUIRED TRAFFIC CONTROL WITH CITY OF WILMINGTON AND OR NCDOT.
- CARE SHALL BE TAKEN DURING FINAL GRADING TO ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND TO RECEIVING STRUCTURES. ROOF DRAIN DOWNSPOUTS TO BE CONNECTED TO STORM DRAINAGE STUBOUTS OR DIRECTED TO STREET/PARKING AREAS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY RELOCATIONS, RE-ALIGNMENTS, DISCONNECTIONS OR CONNECTIONS OF EXISTING UTILITIES WITH APPLICABLE AUTHORITIES.
- CLEARING AND GRUBBING OF SITE TO INCLUDE REMOVAL OF EXISTING CURB, ASPHALT, INLETS, AND ANY OTHER STRUCTURES INCLUDING TREES, STUMPS AND DEBRIS EXISTING ON SITE. TREES NOT REQUIRED TO BE CLEARED FOR CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE DIRECTED.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AND EROSION DURING CONSTRUCTION AT HIS EXPENSE. PARKING AREAS SHALL BE WATERED TO CONTROL DUST WHEN ORDERED BY THE ENGINEER.
- NO GEOTECHNICAL TESTING HAS BEEN PERFORMED ON SITE. NO WARRANTY IS MADE FOR SUITABILITY OF SUBGRADE, AND UNDERCUT AND ANY REQUIRED REPLACEMENT WITH SUITABLE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR TO ENSURE THAT PAVEMENT IS PLACED SO AS TO DRAIN POSITIVELY TO THE STREET INLETS AND CATCH BASINS. ALL FUTURE ROOF DRAIN DOWNSPOUTS TO BE DIRECTED TO THE STORM DRAINAGE STUBOUTS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
- THIS PLAN IS FOR SITE GRADING, UTILITIES, SITING, AND DRAINAGE ONLY. SEE BUILDING PLANS FOR DETAILED HOOKUPS TO BUILDINGS, ETC.
- CONTRACTOR AND BUILDER ARE RESPONSIBLE FOR COORDINATING FINISHED FLOOR ELEVATION OF ALL BUILDINGS WITH THE OWNER. ELEVATIONS GIVEN ARE MINIMUM GROUND ELEVATIONS AT THE BUILDING SITE AND DO NOT PURPORT TO BE FINISHED FLOOR. MINIMUM RECOMMENDED FF ELEVATIONS SHOWN ON PLANS.
- AFFECTED NON-MUNICIPAL UTILITIES SHALL BE CONTACTED AND PROVIDED WITH PLANS AND OTHER PERTINENT INFORMATION, WHEN FEASIBLE, TO COORDINATE APPROPRIATE SCHEDULING AND PLACEMENT.
- EXTREME CARE SHALL BE TAKEN TO ENSURE MINIMUM SEPARATIONS AT ALL UTILITY CROSSINGS.
- MINIMUM SEPARATION SHALL BE MAINTAINED AS FOLLOWS:
  - HORIZONTAL SEPARATION OF 10 FEET BETWEEN SANITARY SEWER AND WATER MAINS AND STORM SEWER.
  - WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND WATER OR WHERE SEWER LINE CROSSES ABOVE WATER MAIN, BOTH PIPES SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING.
  - WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10 FEET EITHER SIDE OF CROSSING.
  - WHERE VERTICAL CLEARANCE IS LESS THAN 12" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING, AND BRIDGING SHALL BE INSTALLED PER APPLICABLE UTILITY AUTHORITY'S DETAILS.
  - IN NO CASE SHALL THERE BE LESS THAN 18" OF SEPARATION BETWEEN OUTSIDE OF WATER MAIN AND OUTSIDE OF SEWER OR STORM DRAINAGE.
  - MINIMUM COVER OF 36" SHALL BE PROVIDED FOR ALL BURIED WATER MAINS AND SANITARY SEWER MAINS.
- SEE DETAIL SHEETS FOR TYPICAL UTILITIES HOOKUPS.
- ALL SANITARY SEWER MAINS TO BE 8" UNLESS OTHERWISE INDICATED.
- ALL WATER MAINS TO BE 8" UNLESS OTHERWISE INDICATED.
- TWO VALVES ARE REQUIRED AT "T" INTERSECTIONS AND ONE VALVE ON THE WATER LINE TO FIRE HYDRANTS.
- A BLOW-OFF VALVE IS REQUIRED AT THE TERMINUS OF ALL "DEAD END" WATER LINES.

**LEGEND**



**OWNER: ARYA HOLDINGS, LLC**  
PO BOX 3122  
WILMINGTON, NC 28406  
910-538-7888



LICENSE # C-2710  
ENGINEERING  
LAND PLANNING  
COMMERCIAL / RESIDENTIAL

P.O. BOX 4041  
WILMINGTON, NC 28406  
(910) 791-4441

COVER SHEET  
PACIFIC PLACE

CONSTRUCTION DRAWINGS FOR  
**PACIFIC PLACE**  
LOCATED IN CITY OF WILMINGTON  
NEW HANOVER COUNTY, NORTH CAROLINA  
OWNER: ARYA HOLDINGS, LLC  
PO BOX 3122  
WILMINGTON, NC 28406

PRELIMINARY

REV.	NO.	DATE	BY	REMARKS
1	SM	9/06/17	SM	REVISION INDEX TO DRAWINGS TO INCLUDE LANDSCAPE PLAN

DATE: 7-12-17  
HORZ. SCALE: 1" = 200'  
VERT. SCALE: N/A  
DRAWN BY: MRB  
CHECKED BY: HSR  
PROJECT NO.: 17-0398





**CSD ENGINEERING**  
 LICENSE # C-2710  
 ENGINEERING  
 LAND PLANNING  
 COMMERCIAL / RESIDENTIAL  
 P.O. BOX 4041  
 WILMINGTON, NC 28406  
 (910) 791-4441

EXISTING CONDITIONS for  
**PACIFIC PLACE**

EXISTING CONDITIONS for  
**PACIFIC PLACE**  
 LOCATED IN CITY OF WILMINGTON  
 NEW HANOVER COUNTY, NORTH CAROLINA  
 OWNER: ARYA HOLDINGS, LLC  
 P.O. BOX 3172  
 WILMINGTON, NC 28406

**PRELIMINARY**

REV. NO.	DATE	BY	REMARKS
1	9/08/17	JSM	SHEET NUMBER REISED

DATE: 7-12-17  
 HORZ. SCALE: 1" = 50'  
 VERT. SCALE: N/A  
 DRAWN BY: RLW  
 CHECKED BY: HSR  
 PROJECT NO.: 17-0398  
 Sheet No. **2** of **15**

n/f  
 Summerwalk  
 Development, LLC  
 D.B. 5933-557  
 Zoning: MF-L (CD)  
 Land Use: Pond

- TOTAL PROJECT AREA: ± SF (11.08 AC.)
- THIS SITE IS LOCATED WITHIN ZONE "A" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 3720315600L, EFFECTIVE DATE 4/3/06
- AS-BUILT BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY GEONNOVATION, PC VERTICAL DATUM = 88
- STORMWATER DRAINS TO BRADLEY CREEK, SC 18-87-24-4(2)

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

**Approved Construction Plan**

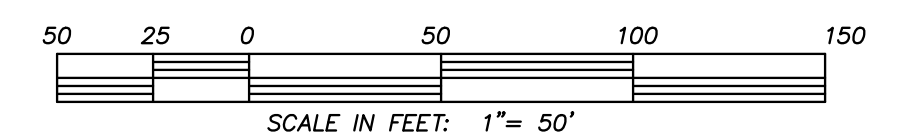
Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

**CITY OF WILMINGTON**  
 NORTH CAROLINA  
 Public Services • Engineering Division  
 APPROVED STORMWATER MANAGEMENT PLAN  
 Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
 Signed: \_\_\_\_\_





Point #	Raw Description
1	12P
2	12P
3	16P
4	12P
5	17P
6	14P
7	2-6BAYS
8	12P
9	12P
10	16P
11	12P
12	12P
13	12P
14	16P
15	2-6 BAYS
16	14P
17	12P
18	13P
19	12P
20	12P
21	12P
22	13P
23	12P
24	12P
25	18P
26	16P
27	14P
28	16P
29	15P
30	13P
31	7 MAG
32	13P
33	12P
34	13P
35	6 MAG
36	12P
37	12P
38	12P
39	13P
40	17P
41	12P
42	7 MAG
43	16P
44	14P
45	16P
46	12P
47	13P
48	13P
49	17P
50	16P
51	16P
52	12P
53	12P
54	12P
55	12P
56	12P
57	12P
58	12P
59	12P
60	13P
61	12P
62	14P
63	12P
64	12P
65	18P

Point #	Raw Description
66	12P
67	12P
68	11 MAG
69	8 MAG
70	12 MAG
71	9 BAY
72	12P
73	12P
74	12P
75	12P
76	12P
77	12P
78	12P
79	12P
80	14P
81	12P
82	7 BAY
83	6 BAY
84	8 BAY
85	6 BAY
86	12P
87	12P
88	12P
89	12P
90	14P
91	14P
92	13P
93	12P
94	13P
95	13P
96	12P
97	12P
98	22P
99	14P
100	12P
101	14 GUM
102	15P
103	14P
104	12P
105	13P
106	12P
107	15P
108	12P
109	14P
110	12P
111	12P
112	18P
113	11 GUM
114	12P
115	15P
116	12P
117	13P
118	13P
119	13P
120	13P
121	13P
122	13P
123	16P
124	7 MAG
125	12P
126	18P
127	15P
128	14P
129	14P
130	13P

Point #	Raw Description
131	12P
132	13P
133	15P
134	12P
135	12P
136	6 MAG
137	17P
138	12P
139	13P
140	7 OAK
141	12P
142	14P
143	16P
144	12P
145	12P
146	12P
147	12P
148	12P
149	12P
150	16P
151	13P
152	12P
153	12P
154	13P
155	13P
156	12P
157	12P
158	12P
159	12P
160	12P
161	12P
162	14P
163	14P
164	14P
165	14P
166	12P
167	12P
168	12P
169	12P
170	12P
171	12P
172	13P
173	13P
174	17P
175	15P
176	12P
177	12P
178	12P
179	12P
180	13P
181	13P
182	13P
183	12P
184	12P
185	12P
186	12P
187	2- 6 MAG
188	6 MAG
189	14P
190	12P
191	13P
192	13P
193	13P
194	13P
195	13P

Point #	Raw Description
196	13P
197	13P
198	6 MAG
199	12P
200	12P
201	12P
202	12P
203	12P
204	12P
205	12P
206	12P
207	13P
208	12P
209	15P
210	12P
211	12P
212	12P
213	14P
214	7 BAY
215	2 - 7 BAY
216	8 BAY
217	8 BAY
218	2 - 6 BAY
219	2 - 7 BAY
220	11 MAG
221	12P
222	12P
223	12P
224	14P
225	8 OAK
226	4 - 6 BAY
227	22P
228	12P
229	20P
230	12P
231	12P
232	12P
233	12P
234	12P
235	12P
236	10 OAK
237	8 OAK
238	16P
239	15P
240	13P
241	5 MAG
242	12P
243	12P
244	13P
245	12P
246	8 OAK
247	2-6 BAY
248	12P
249	12P
250	12P
251	12P
252	12P
253	3 - 7 BAY
254	8 BAY
255	18P
256	4 - 7 BAY
257	2 - 7 BAY
258	13P
259	14P
260	14P

Point #	Raw Description
261	12P
262	12P
263	12P
264	13P
265	13P
266	18P
267	12P
268	12P
269	12P
270	12P
271	16P
272	6 MAG
273	12P
274	13P
275	13P
276	12P
277	
278	12P
279	14P
280	14P
281	13P
282	16P
283	18P
284	16P
285	12P
286	15P
287	7 GUM
288	12P
289	15P
290	12P
291	13P
292	13P
293	12P
294	13P
295	13P
296	13P
297	17P
298	13P
299	14P
300	12P
301	12P
302	12P
303	10 GUM
304	8 GUM
305	12P
306	15P
307	17P
308	13P
309	12P
310	12P
311	12P
312	22P
313	12P
314	12P
315	8 OAK
316	8 OAK
317	9 GUM
318	9 GUM
319	11 BAY
320	13P
321	7 BAY
322	12P
323	12P
324	13P
325	12P

Point #	Raw Description
326	12P
327	12P
328	15P
329	12P
330	12P
331	14 OAK
332	14P
333	10 GUM
334	14P
335	14P
336	20P
337	14P
338	7 MAG
339	12P
340	12P
341	20P
342	15P
343	24P
344	10 GUM
345	8 BAY
346	8 BAY
347	12P
348	12P
349	12P
350	16P
351	3 - 7 BAY
352	12P
353	7 BAY
354	13P
355	12P
356	7 BAY
357	8 BAY
358	12P
359	13P
360	3 - 6 BAY
361	12P
362	2 - 12P
363	16P
364	12P
365	7 BAY
366	12P
367	12P
368	12P
369	12P
370	10 BAY
371	12P
372	12P
373	12P
374	12P
375	7 BAY
376	12P
377	18P
378	12P
379	2 - 10 BAY
380	8 BAY
381	2 - 5 BAY
382	12P
383	12P
384	12P
385	12P
386	6 MAG
387	2 - 5 BAY
388	12P
389	12P
390	12P

Point #	Raw Description
391	12P
392	12P
393	12P
394	12P
395	12P
396	12P
397	5 MAG
398	2 - 9 BAY
399	2 - 7 BAY
400	12P
401	12P
402	14P
403	18P
404	13P
405	12P
406	12P
407	12P
408	12P
409	7 BAY
410	13P
411	13P
412	14P
413	12P
414	12P
415	12P
416	8 BAY
417	8 BAY
418	10 BAY
419	10 BAY
420	6 BAY
421	6 MAG
422	2 - 8 BAY
423	2 - 8 BAY
424	8 BAY
425	2 - 8 BAY
426	16P
427	12P
428	14P
429	12P
430	12P
431	12P
432	16P
433	12P
434	22P
435	8 OAK
436	6 BAY
437	6 BAY
438	6 BAY
439	8 BAY
440	8 OAK
441	16P
442	22P
443	12P
444	12P
445	12P
446	12P
447	16P
448	13P
449	18P
450	16P
451	12P
452	12P
453	18P
454	12P
455	12P

Point #	Raw Description
456	15P
457	17P
458	15P
459	15P
460	17P
461	6 BAY
462	14P
463	13P
464	6 BAY
465	12P
466	12P
467	12P
468	6 BAY
469	12P
470	9 MAG
471	11 MAG
472	12P
473	14P
474	14P
475	14P
476	12P
477	8 MAG
478	2 - 12P
479	12P
480	12P
481	12P
482	14P
483	14P
484	12P
485	12P
486	12P
487	12P
488	18P
489	14P
490	12P
491	10 GUM
492	10 OAK
493	9 GUM
494	16P
495	14P
496	13P
497	7 GUM
498	12P
499	14P
500	13 GUM
501	12P
502	12P
503	12P
504	20 OAK
505	12P
506	12P
507	14P
508	13P
509	12P
510	12P
511	14P
512	17P
513	12P
514	16P
515	12P
516	12P
517	12 OAK
518	12P
519	12P
520	14P

Point #	Raw Description
521	12P
522	12P
523	16P
524	8 BAY
525	8 BAY
526	16P
527	12P
528	12P
529	12P
530	2 - 12P
531	12P
532	12P
533	12P
534	26P
535	22P
536	12P
537	16P
538	14P
539	16P
540	20P
541	16P
542	16P
543	12P
544	16P
545	16P
546	13P
547	9 OAK
548	12P
549	12P
550	16P
551	3 - 8 BAY
552	7 BAY
553	18P
554	12P
555	16P
556	13P
557	13P
558	13P
559	12P





LICENSE # C-2710  
ENGINEERING  
LAND PLANNING  
COMMERCIAL / RESIDENTIAL

P.O. BOX 4041  
WILMINGTON, NC 28406  
(910) 791-4441

TREE OVERLAY for  
PACIFIC PLACE

TREE OVERLAY for  
PACIFIC PLACE  
LOCATED IN CITY OF WILMINGTON  
NEW HANOVER COUNTY, NORTH CAROLINA

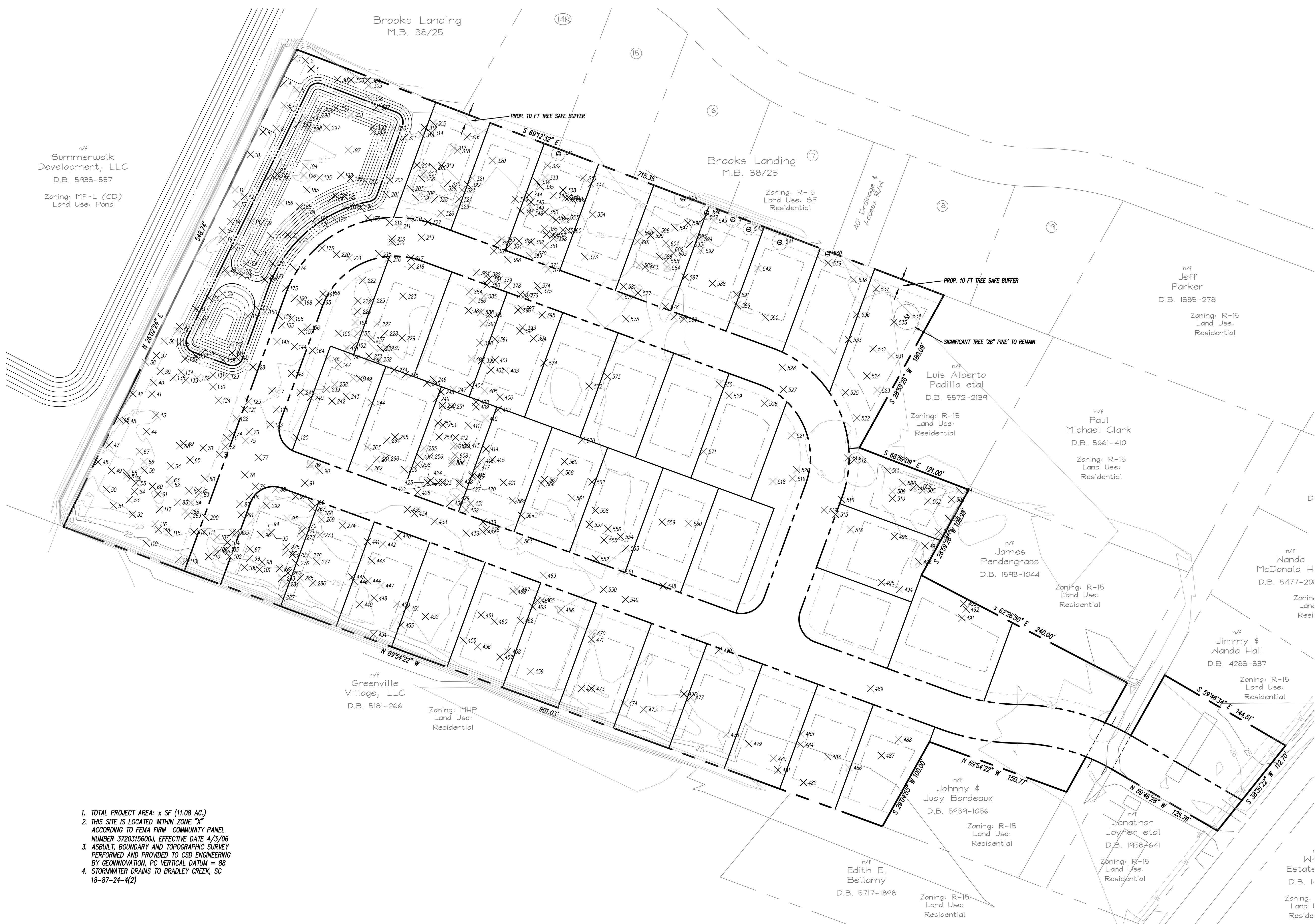
OWNER: ARYA HOLDINGS, LLC  
1005 SIZEMAN  
WILMINGTON, NC 28406

PRELIMINARY

REV. NO.	DATE	BY	REMARKS
1	9/08/17	SM	REVISED PER TRC COMMENTS

DATE: 7-12-17  
HORZ. SCALE: 1" = 50'  
VERT. SCALE: N/A  
DRAWN BY: RLW  
CHECKED BY: HSR  
PROJECT NO.: 17-0398

Sheet No. 4 of 15



n/f  
Summerwalk  
Development, LLC  
D.B. 5933-557  
Zoning: MF-L (CD)  
Land Use: Pond

Brooks Landing  
M.B. 38/25  
Zoning: R-15  
Land Use: SF  
Residential

n/f  
Jeff  
Parker  
D.B. 1385-278  
Zoning: R-15  
Land Use:  
Residential

n/f  
Luis Alberto  
Padilla et al  
D.B. 5572-2139  
Zoning: R-15  
Land Use:  
Residential

n/f  
Paul  
Michael Clark  
D.B. 5661-410  
Zoning: R-15  
Land Use:  
Residential

n/f  
James  
Pendergrass  
D.B. 1593-1044  
Zoning: R-15  
Land Use:  
Residential

n/f  
Wanda  
McDonald H.  
D.B. 5477-201  
Zoning:  
Land  
Resi

n/f  
Jimmy &  
Wanda Hall  
D.B. 4283-337  
Zoning: R-15  
Land Use:  
Residential

n/f  
Greenville  
Village, LLC  
D.B. 5181-266  
Zoning: MHP  
Land Use:  
Residential

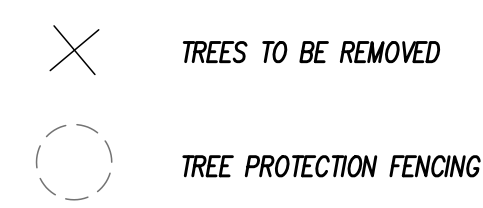
n/f  
Johnny &  
Judy Bordeaux  
D.B. 5939-1056  
Zoning: R-15  
Land Use:  
Residential

n/f  
Jonathan  
Joyce et al  
D.B. 1958-641  
Zoning: R-15  
Land Use:  
Residential

n/f  
Edith E.  
Bellamy  
D.B. 5717-1898  
Zoning: R-15  
Land Use:  
Residential

n/f  
Estate  
D.B. 1  
Zoning:  
Land  
Reside

- TOTAL PROJECT AREA: x SF (11.08 AC.)
- THIS SITE IS LOCATED WITHIN ZONE "X" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 3720315600J, EFFECTIVE DATE 4/3/06
- ASBUILT, BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY GEOMNOVATION, PC VERTICAL DATUM = 88
- STORMWATER DRAINS TO BRADLEY CREEK, SC 18-87-24-4(2)



For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

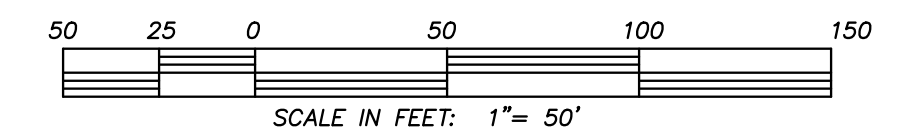
Traffic \_\_\_\_\_

Fire \_\_\_\_\_

**WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

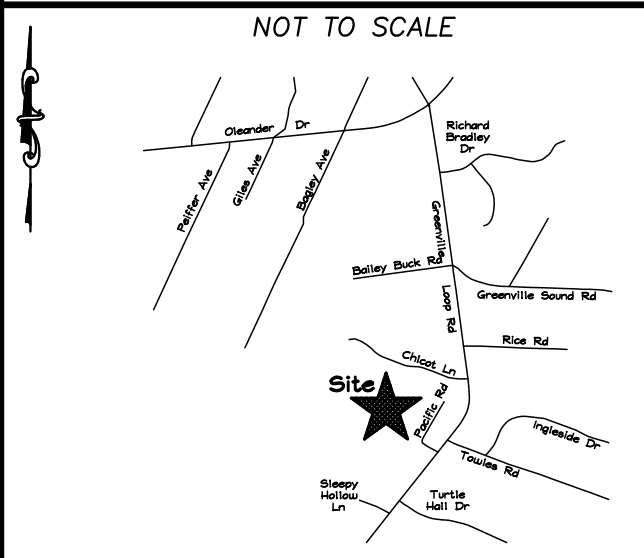
Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_





# LOCATION MAP



## TRAFFIC ENGINEERING NOTES:

- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO DIVISION OF THE FINAL PLAT. PLAN SHALL ADHERE TO SD 15-17.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT PARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
- OPEN CUT NOTES:
  - A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 910-341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
  - CONTRACTOR TO COORDINATE WITH CITY OF WILMINGTON FOR ACCEPTABLE HOURS OF CONSTRUCTION AND TRAFFIC CONTROL DURING INSTALLATION OF UTILITIES IN CITY ROADS.
  - SUITABLE COMPACTION AND APPROVED STONE & BASE COURSES TO BE INSTALLED IN PLACE OF OPEN CUT.
  - OPEN CUT TO BE SAW CUT.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NC DOT STANDARDS.
- IT SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER TO ERECT OFFICIAL STREET NAME SIGNS AT ALL INTERSECTIONS ASSOCIATED WITH THE SUBDIVISION IN ACCORDANCE WITH THE TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL. THE SUBDIVIDER MAY ACQUIRE AND ERECT OFFICIAL STREET NAME SIGNS OR MAY CHOOSE TO CONTRACT WITH THE CITY TO INSTALL THE STREET SIGNS AND THE SUBDIVIDER SHALL PAY THE COST OF SUCH INSTALLATION. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
- TACTILE WARNING MATS ARE TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREA SHALL BE WHITE.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30 INCHES - 10 FT.
- TRAFFIC ENGINEERING MUST APPROVE PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
- A SUBDIVISION STREET DISCLOSURE STATEMENT SHALL BE PROVIDED TO BUYERS AT THE POINT OF SALE OF LOTS.
- A SIGN SHALL BE LOCATED AT THE SOUTHERN END OF AURIANA WAY INDICATING THAT A FUTURE CONNECTION WILL BE OPENED WHEN THE PROPERTY TO THE SOUTH DEVELOPS.

## ENVIRONMENTAL NOTES:

- NO LAND DISTURBANCE IS PERMITTED OUTSIDE THE DESIGNATED LIMITS OF DISTURBANCE FOR SITE IMPROVEMENTS OTHER THAN WHAT IS NECESSARY TO THE EXISTING CONTOURS OR MEET LANDSCAPING REQUIREMENTS.

## DEVELOPMENT NOTES:

- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-532-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB AND GUTTER, SIDEWALK PANELS, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
- SOLID WASTE DISPOSAL WILL BE HAND TOTES.
- ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON ZONING ORDINANCE & SUBDIVISION REGULATIONS.
- APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF PROPOSED SIGNAGE FOR THIS SITE. A SEPARATE SIGN PERMIT MUST BE OBTAINED.
- APPLICABLE STREET FRONTAGES SHALL HAVE NATURAL VEGETATIVE SCREENING MEETING CITY REQUIREMENTS.
- THE DEVELOPMENT SHALL COMPLY WITH ALL CITY TECHNICAL STANDARDS AND DEVELOPMENT REGULATIONS.
- PRIMARY BUILDING ENTRANCES SHALL BE CLEARLY DEFINED AND SHALL BE RECESSED AT LEAST FIVE FEET OR FRAMED BY AN ARCHITECTURAL ELEMENT. PRIMARY ENTRANCES SHOULD BE CLEARLY DISTINCTIVE FROM OTHER ENTRANCES. SECONDARY OUTSIDE BUILDING ENTRANCES TO UPPER FLOORS ON THE PRIMARY FACADE SHALL ALIGN WITH THE OUTER MOST WINDOW ON THE FRONT FACADE.

## WATER & SEWER USAGE NOTES:

CURRENT WATER USAGE	0 GPD	PROPOSED WATER USAGE	14,400 GPD
CURRENT SEWER USAGE	0 GPD	PROPOSED SEWER USAGE	14,400 GPD
		WATER - 140 X 360 GPD	14,400 GPD
		SEWER - 140 X 360 GPD	14,400 GPD

## FIRE & LIFE SAFETY NOTES:

- LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE FIRE HYDRANTS OR FDC'S. A 3FT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT.
- CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE FIRE LINE PERMIT FROM CO FIRE AND LIFE SAFETY DIVISION 910-343-8086.
- FIRE HYDRANTS TO BE INSTALLED PER CITY OF WILMINGTON ORDINANCE AND CPWA STANDARDS.

## UTILITY NOTES:

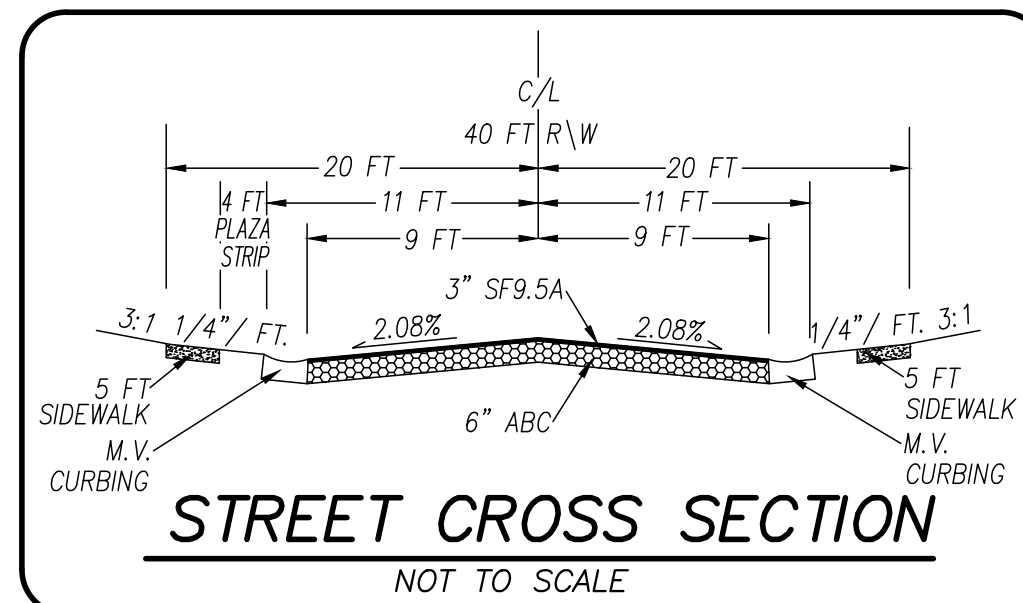
- PROJECT SHALL COMPLY WITH THE CITY OF WILMINGTON AND CPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE SET AND ACTIVATED ON NEW MAINS UNTIL ALL REQUIREMENTS ARE MET. CALL 343-3910 FOR INFORMATION.
- IF THE CONTRACTOR DESIRES WATER FOR CONSTRUCTION USE, HE/SHE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ALL COMMERCIAL WATER SERVICES AND ANY IRRIGATION SYSTEMS SUPPLIED BY CPWA WATER SHALL HAVE A BACKFLOW PREVENTION DEVICE ACCEPTABLE TO THE CPWA AND APPROVED BY USFPCOORR OR ASSE. CALL 799-6064 FOR INFORMATION.
- WHEN PVC WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND STRAPPED TO THE PIPES WITH DUCT TAPE. THE INSULATED WIRE IS TO BE STRIPPED TO BARE WIRE AND SECURED TO ALL VALVES AND FITTINGS. THE WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
- 30" MINIMUM COVER OVER ALL WATER MAINS.
- ANY SEPARATE CONNECTION FOR IRRIGATION SHALL COMPLY WITH CITY AND CPWA CROSS-CONNECTION REQUIREMENTS WITH APPROVED BACKFLOW PREVENTION DEVICES.
- AT LOCATIONS WHERE WATER MAIN CROSSES UNDER SANITARY SEWER, DUCTILE IRON PIPE SHALL BE USED ALONG WITH PROVIDING 24" MINIMUM OF VERTICAL SEPARATION.
- WATER SERVICES CAN NOT BE ACTIVATED ON NEW WATER MAINS UNTIL ENGINEER'S CERTIFICATION AND APPLICANT'S CERTIFICATION HAVE BEEN PROVIDED TO NCDENR AND "FINAL APPROVAL" ISSUED.
- UNDERGROUND UTILITIES - ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND, EXCEPT WHERE SUCH PLACEMENT IS PROHIBITED OR DEEMED IMPRACTICAL BY THE UTILITY PROVIDER. UNDERGROUND FACILITIES FOR STREET LIGHTING ALONG ALL PUBLIC STREETS ADJACENT THE SUBJECT SITE SHALL BE INSTALLED BY THE DEVELOPER.

## GENERAL NOTES:

- NEW HANOVER COUNTY PARCEL NUMBERS:  
PD = 6212-001-008 & 6212-001-002
- TOTAL PROJECT AREA = 57 AC (11.08 AC EXISTING ZONING DISTRICT: 07 CD)
- LAND CLASSIFICATION: WATER RESOURCE PROTECTION
- THIS SITE IS LOCATED WITHIN ZONE "X" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 37203150004, EFFECTIVE DATE 4/3/06
- SITE ADDRESS: 6561 GREENVILLE LOOP ROAD
- EXISTING IMPERVIOUS ONSITE = 0 SF
- ASBUILT BOUNDARY SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY GEONOVATION, PC VERTICAL DATUM = 88
- STORMWATER DRAINS TO BRADLEY CREEK, SC 18-87-24-4(2)
- LAND OWNER - ARYA HOLDINGS, LLC PO BOX 3122 WILMINGTON, NC 28406

## BUILDING AND SITE DATA:

TOTAL LOTS PROPOSED	- 40 LOTS	IMPERVIOUS SURFACES -
(PROPOSED RESIDENCES ARE SINGLE-FAMILY STRUCTURES W/ MAX. 3 BEDROOMS)		STREETS (CURB & PAVT) - 49,954 SF
OVERALL DENSITY - 3.6 UNITS/AC		SIDEWALK - 21,978 SF
AREA OF LOTS PROPOSED - 6.66 AC		LOTS - 120,000 SF
AREA OF R/W DEDICATION - 2.04 AC		(40 @ 3,000 SF PER LOT)
COMMON & RECREATION AREAS - 2.38 AC		TOTAL - 221,932 SF (39.6%)
AVERAGE LOT SIZE - 7254 SF		
TOTAL PROPOSED ROAD LENGTH - 2247 LF		
RECREATION SPACE -		
40 LOTS @ 0.03 AC/LOT = 1.20 AC ± RECRD.		
AREA PROVID. - 1.43 AC ± **		
SETBACKS - 30' FRONT		
8.5' SIDE		
15' REAR		



**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

**CITY OF WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

DATE: 7-12-17

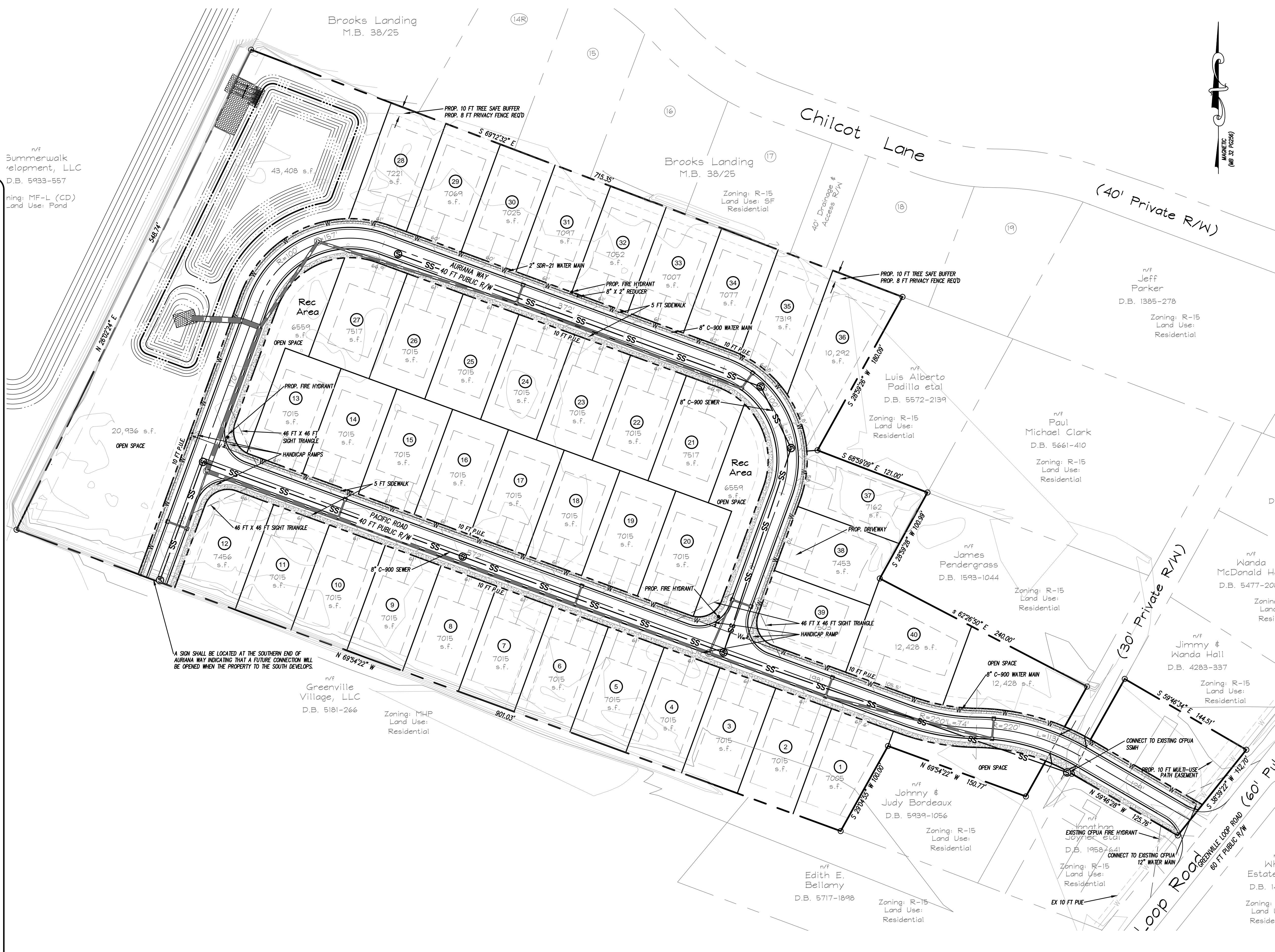
HORIZ. SCALE: 1" = 50'

VERT. SCALE: N/A

DRAWN BY: RLW

CHECKED BY: HSR

PROJECT NO.: 17-0398



**CSD ENGINEERING**

LICENSE # C-2710  
ENGINEERING  
LAND PLANNING  
COMMERCIAL / RESIDENTIAL

P.O. BOX 4041  
WILMINGTON, NC 28406  
(910) 791-4441

PRELIMINARY PLAN for  
**PACIFIC PLACE**

OWNER: ARYA HOLDINGS, LLC  
1800 STATE STREET  
WILMINGTON, NC 28406

PRELIMINARY PLAN for  
**PACIFIC PLACE**

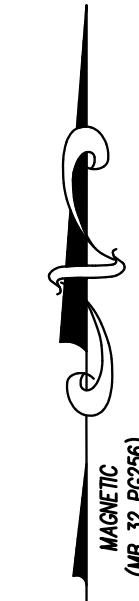
LOCATED IN CITY OF WILMINGTON  
NEW HANOVER COUNTY, NORTH CAROLINA

OWNER: ARYA HOLDINGS, LLC  
1800 STATE STREET  
WILMINGTON, NC 28406

PRELIMINARY

REV.	NO.	REMARKS	DATE
1	1	REVISED PER TRC COMMENTS	9/26/17





LICENSE # C-2710  
ENGINEERING  
LAND PLANNING  
COMMERCIAL / RESIDENTIAL  
P.O. BOX 4041  
WILMINGTON, NC 28406  
(910) 791-4441

LANDSCAPE PLAN for  
**PACIFIC PLACE**

LANDSCAPE PLAN for  
**PACIFIC PLACE**  
LOCATED IN CITY OF WILMINGTON  
NEW HANOVER COUNTY, NORTH CAROLINA  
OWNER: ARYA HOLDINGS, LLC  
1805 SIZZ  
WILMINGTON, NC 28406

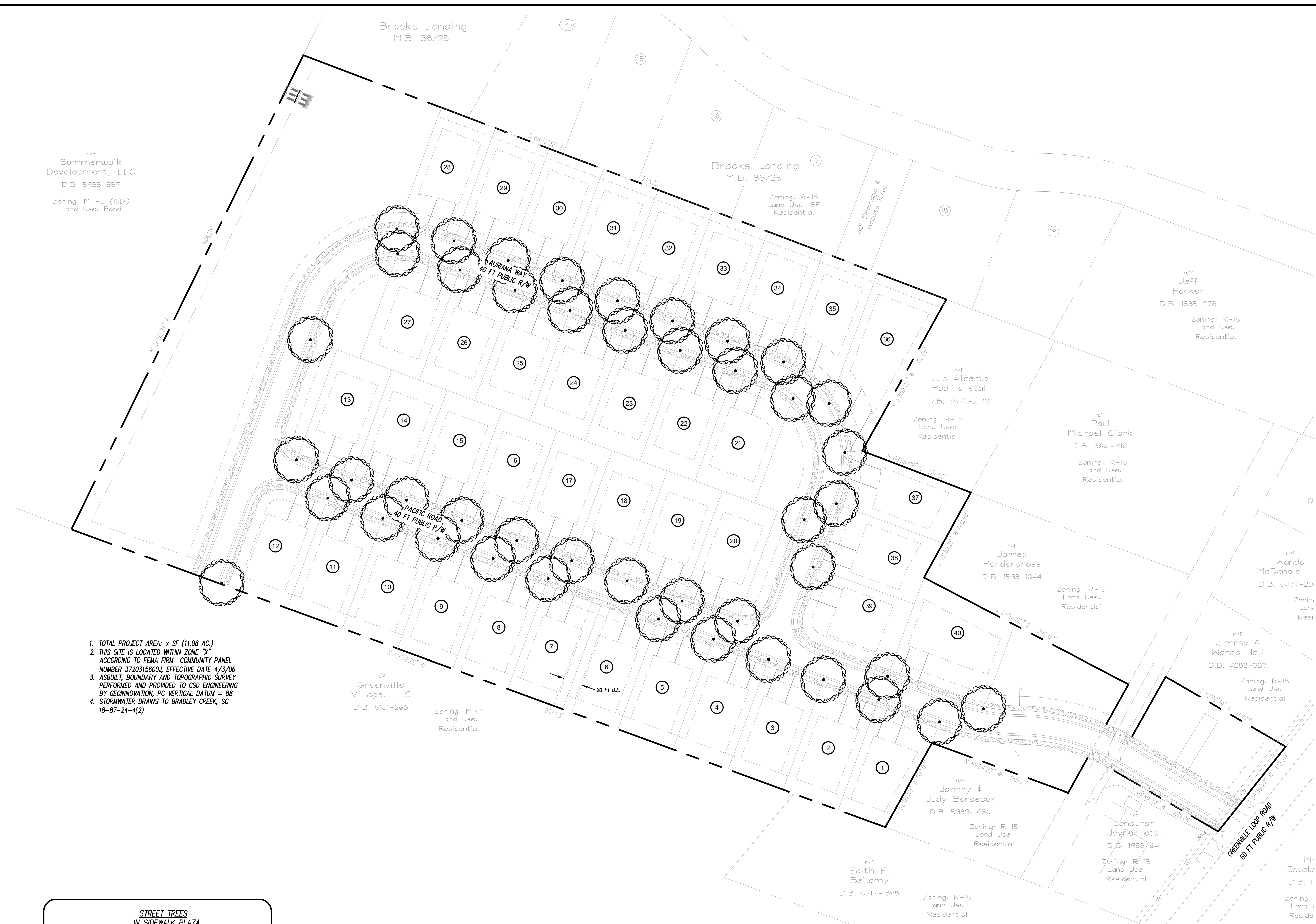
**PRELIMINARY**

REV. NO.	BY	DATE	REMARKS

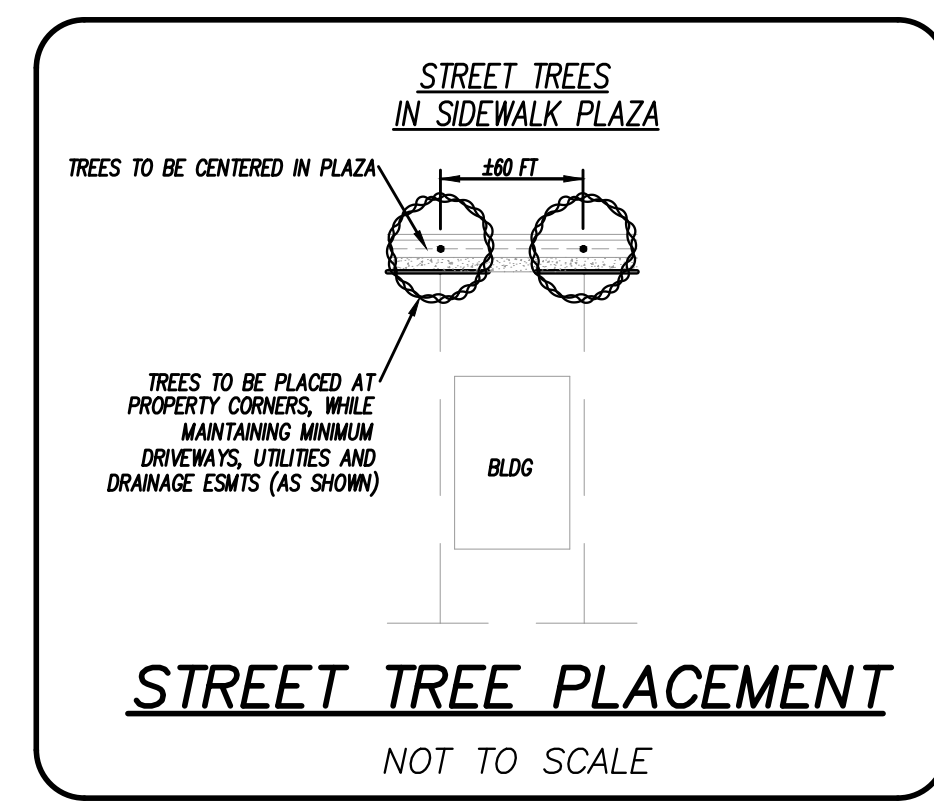
DATE: 9/08/17  
HORIZ. SCALE: 1" = 50'  
VERT. SCALE: N/A  
DRAWN BY: RLW  
CHECKED BY: HSR  
PROJECT NO.: 17-0398

Sheet No. **8** of **15**

n/f  
Summerwalk  
Development, LLC  
D.B. 5933-557  
Zoning: MF-L (CD)  
Land Use: Pond



- TOTAL PROJECT AREA: x SF (11.08 AC.)
- THIS SITE IS LOCATED WITHIN ZONE "X" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 3720315600J, EFFECTIVE DATE 4/3/06
- ASBUILT, BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY GEONNOVATION, PC VERTICAL DATUM = 88
- STORMWATER DRAINS TO BRADLEY CREEK, SC 18-87-24-4(2)



STREET TREES					
COMMON NAME	BOTANICAL NAME	SIZE @ DBH	QTY	MATURE CANOPY & HEIGHT	
ALLEE ELM	<i>Ulmus parvifolia</i> "Allee"	2.5"	83	40 - 50 FT	

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

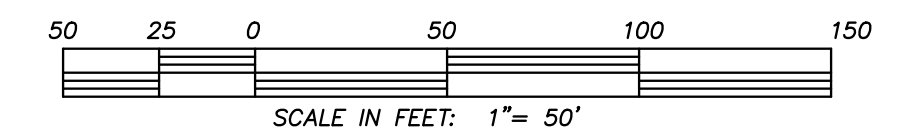
Traffic \_\_\_\_\_

Fire \_\_\_\_\_

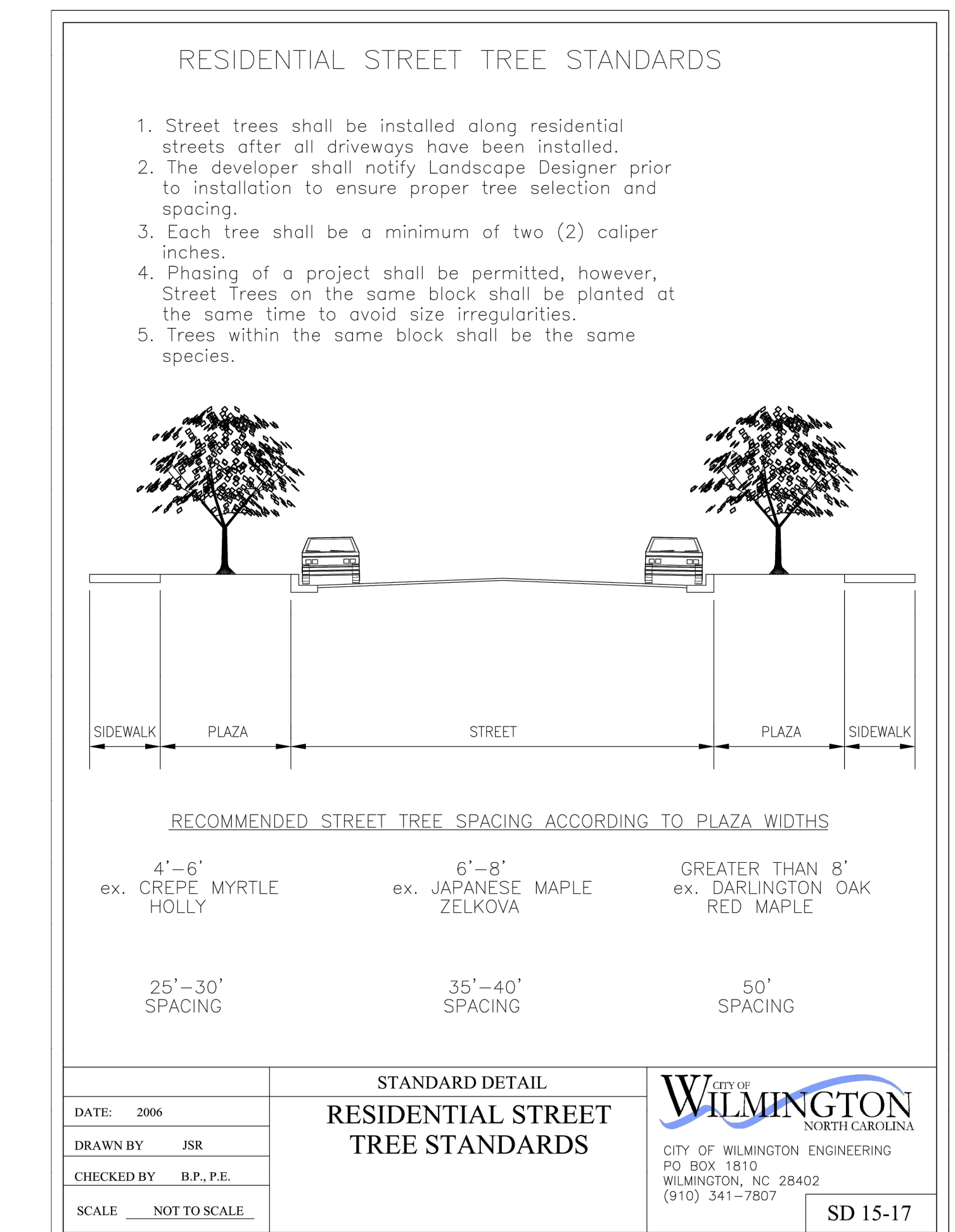
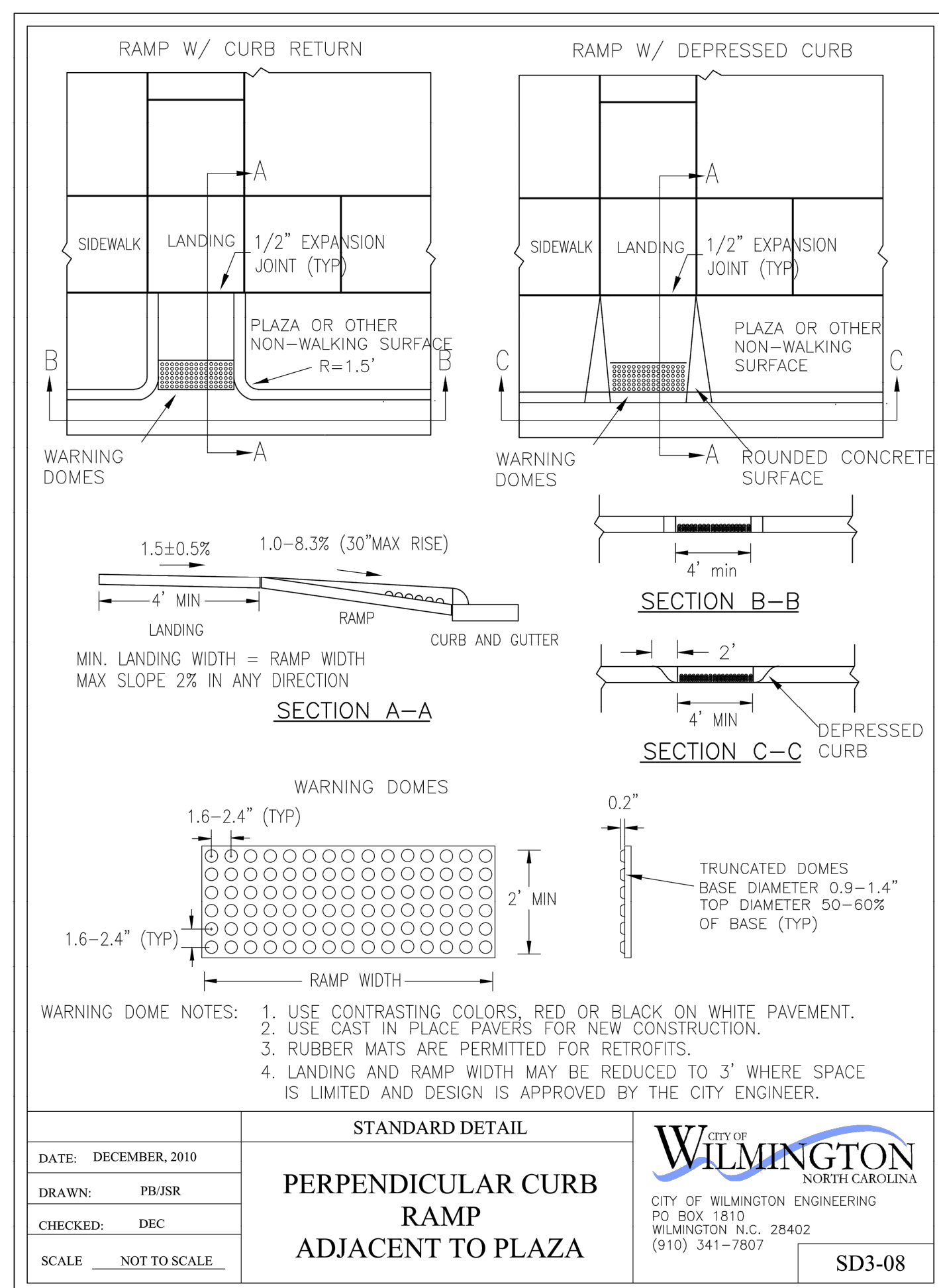
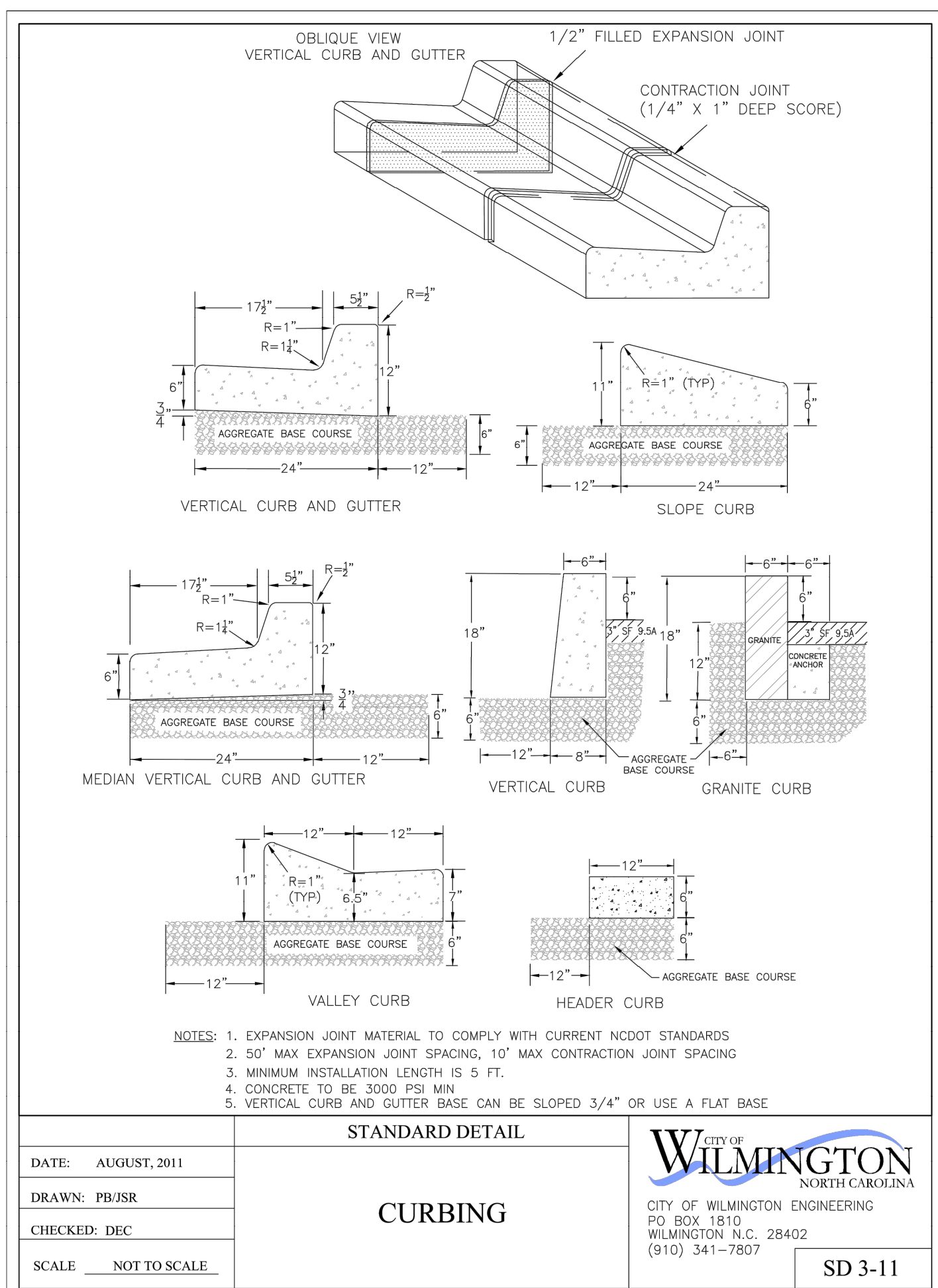
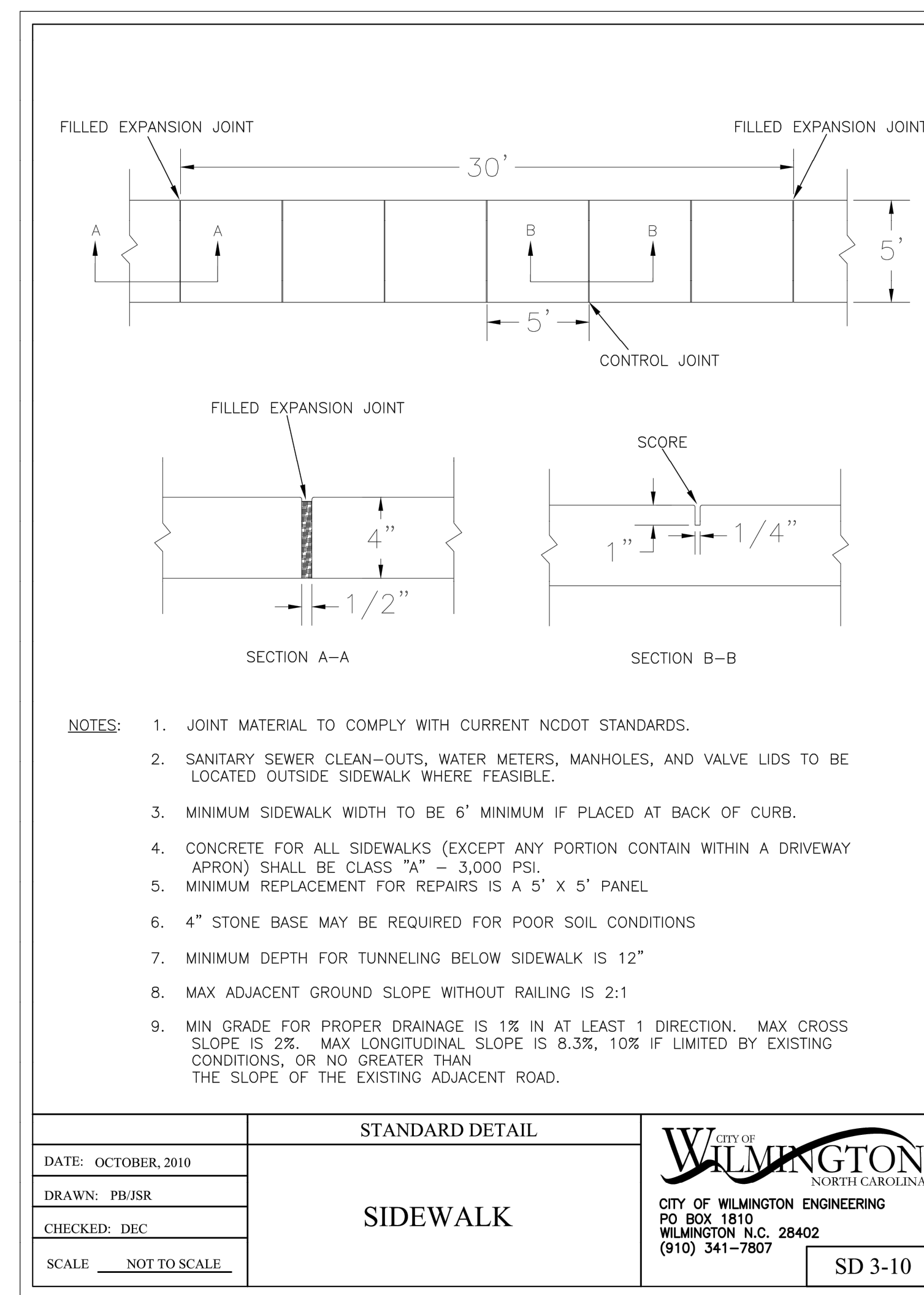
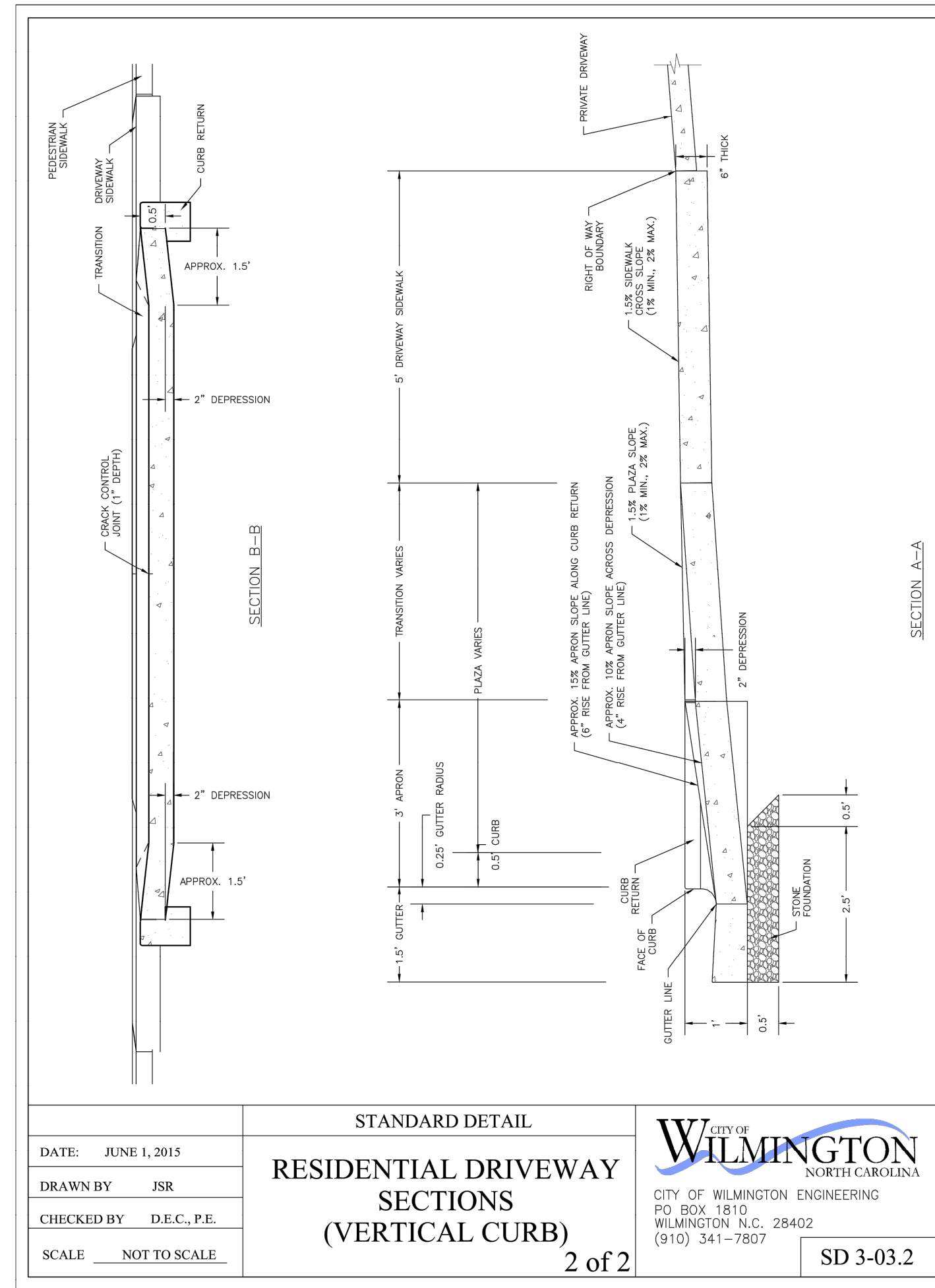
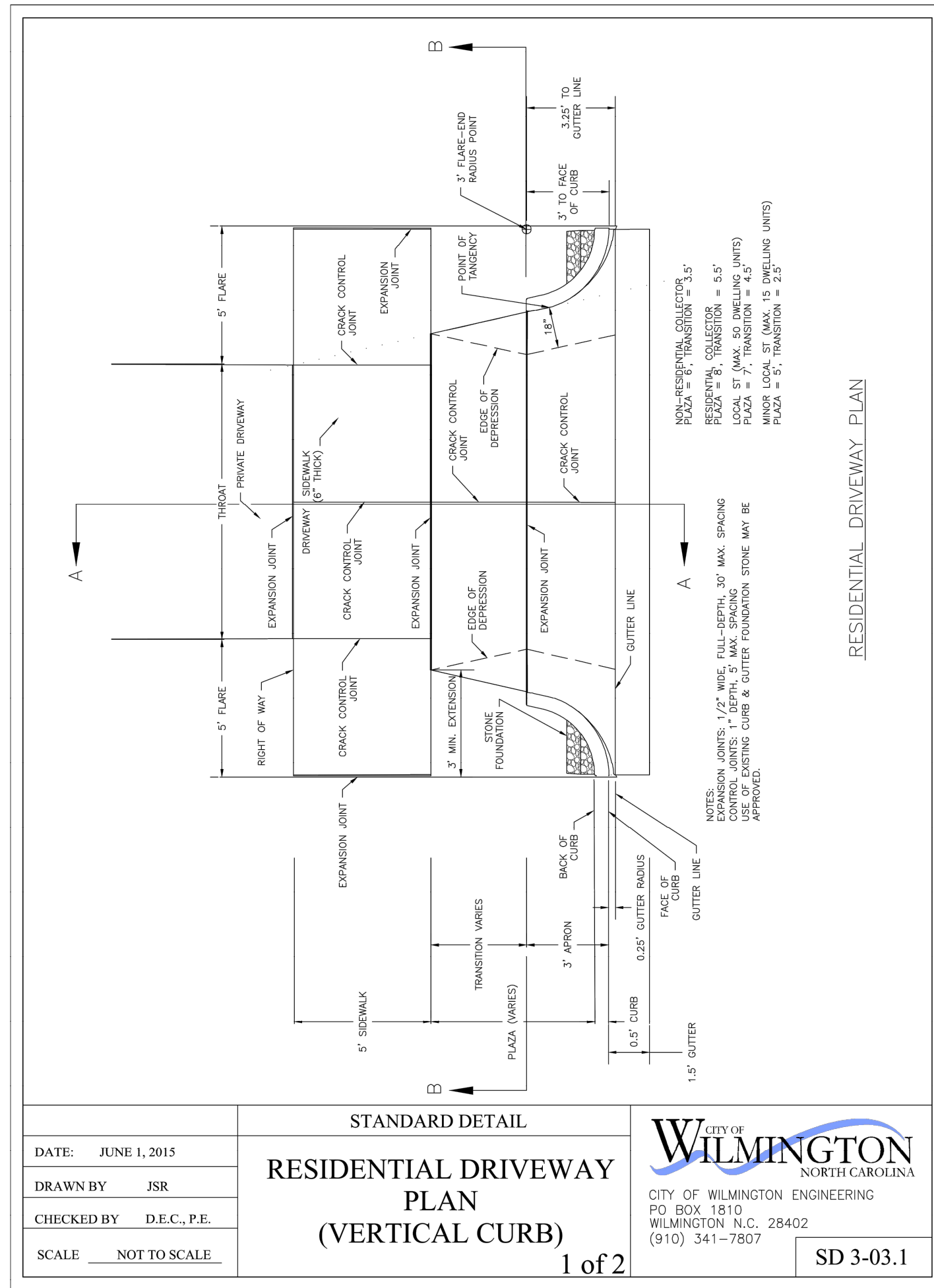
**WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_



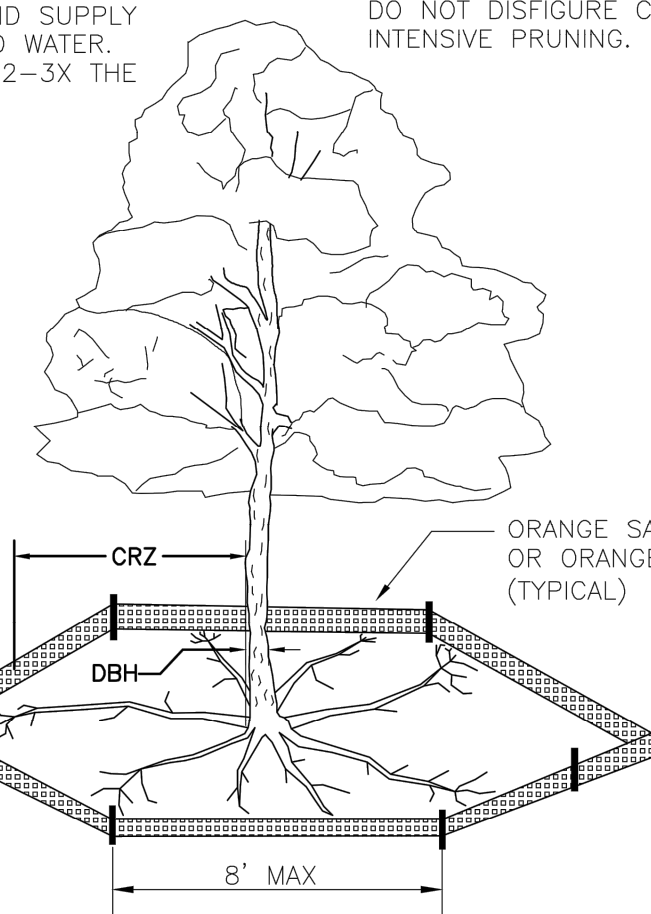




REVISED SHEET NUMBERS	DATE	BY	REMARKS
1	9/28/17	SM	



NOTE:  
THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.



ORANGE SAFETY FENCE OR ORANGE SILT FENCE (TYPICAL)

8" MAX

3' MIN

CRZ

DBH

24"

2-3X

HEIGHT OF THE TREE

NOTE:  
CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.

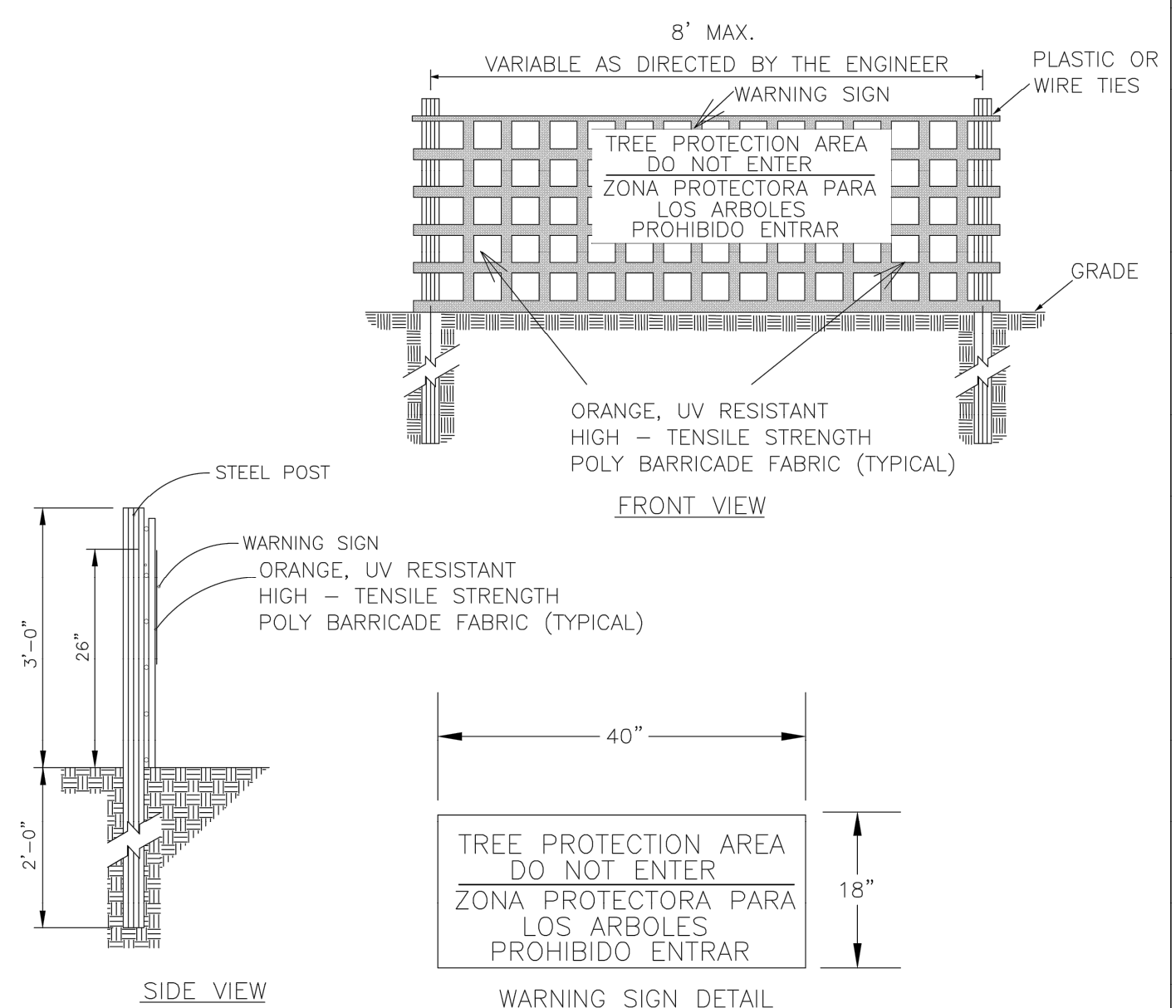
- NOTES:
1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
  2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
  3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
  4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
  5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
  6. FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

STANDARD DETAIL		<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>	SD 15-09
TREE PROTECTION DURING CONSTRUCTION			
DATE: JAN, 2015			
DRAWN BY JSR			
CHECKED BY RDG, P.E.			
SCALE NOT TO SCALE		SHEET 1 of 2	

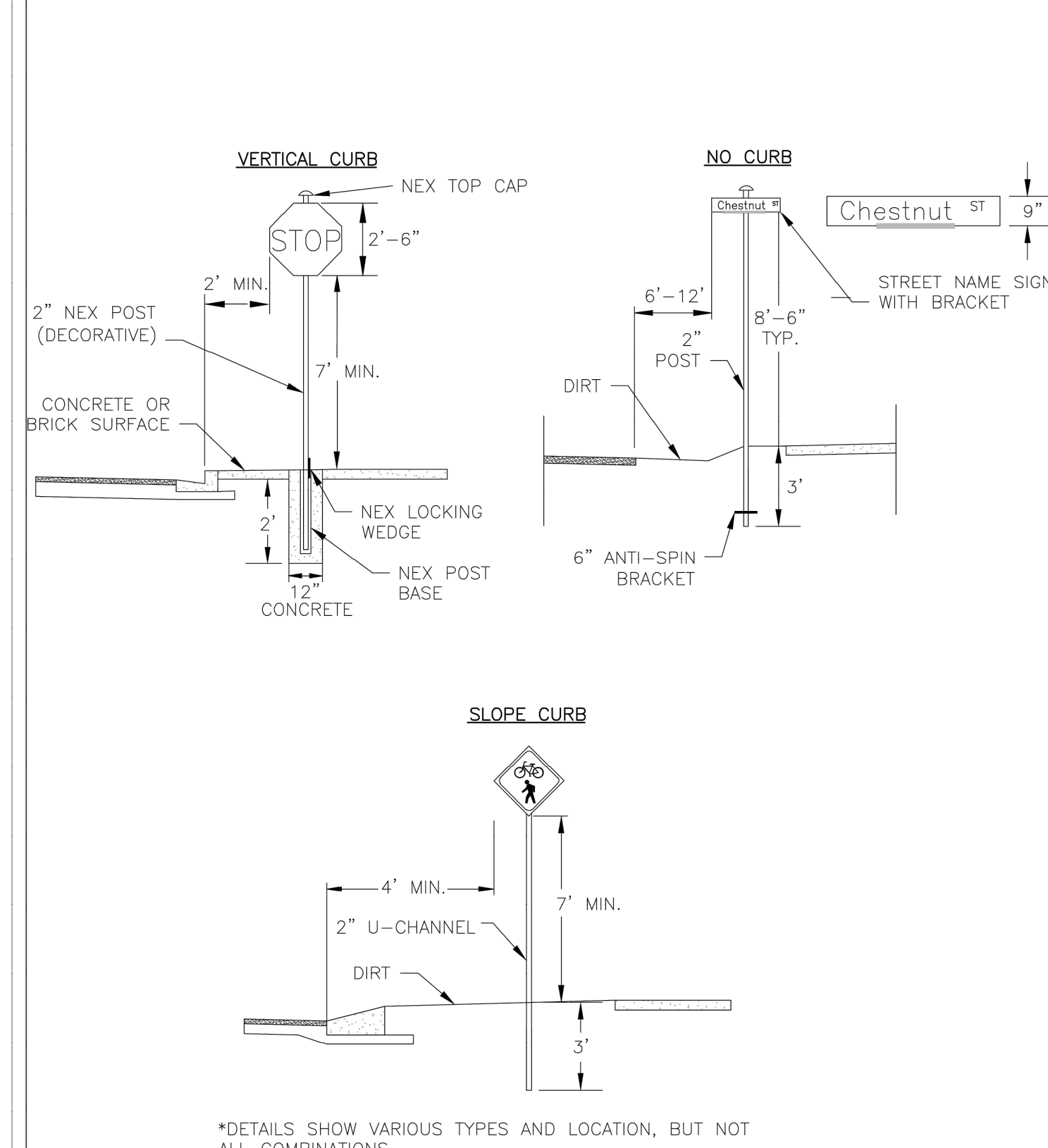
STANDARD DETAIL		<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>	SD 15-09
TREE PROTECTION DURING CONSTRUCTION			
DATE: JAN, 2015			
DRAWN BY JSR			
CHECKED BY RDG, P.E.			
SCALE NOT TO SCALE		SHEET 2 of 2	

STANDARD DETAIL		<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>	SD 15-03
STREET SIGNS AND LOCATION			
DATE: NOVEMBER, 2011			
DRAWN BY JSR			
CHECKED BY BDR, P.E.			
SCALE NOT TO SCALE		SHEET 1 of 2	

STANDARD DETAIL		<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>	SD 15-03
STREET SIGNS AND LOCATION			
DATE: NOVEMBER, 2011			
DRAWN BY JSR			
CHECKED BY BDR, P.E.			
SCALE NOT TO SCALE		SHEET 2 of 2	



- NOTES:
1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
  2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHER-PROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
  3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
  4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
  5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
  6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.



- SIGNS
1. All signs shall meet the requirements of MUTCD and City Traffic Engineering in effect at the time of construction.
  2. All Traffic Control Signs including multi-use paths shall be fabricated with 0.080 inch aluminum blanks using high intensity prismatic reflective sheeting Type IV or better. STOP signs shall be a minimum of 30"x30".
  3. SPECIAL DESIGNATION signs by location and type shall adhere to City of Wilmington signage plan (ie. downtown, historic, cross-city trail, parks, riverfront, scenic by-way, parking, etc. ) and all associated policies.
  4. POST MOUNTED STREET NAME SIGNS shall be fabricated with 9" extruded aluminum street name sign blanks using a standard cut-out. Minimum sign length is 18" long and increasing in 6" increments to 54" maximum as dictated by the number of letters in the name. The color scheme shall be white letters on a green background without a border. Generally, in the downtown and historic areas or as designated in the City of Wilmington signage plan the background shall be blue and contain a topper.
  5. Decorative sign posts shall consist of the NEX sign support system, 2" octagonal tube, 14 gauge, powder coated glossy black and include cap, post, base and wedge.
  6. All other sign posts shall be u-channel posts made of galvanized steel with 8" posts 2lbs/ft or 12" posts 3lbs/ft. Galvanized NEX post may be substituted with approval from the City Signs and Markings Engineer.
  7. OVERHEAD STREET NAME SIGNS shall be fabricated with 0.080 inch aluminum flat sign blanks 18" in height using a standard cut-out. Sign length will be dictated by the number of letters in the name. For mast-arm type traffic signal supports and other overhead support systems refer to the design plans for maximum sign length.
  8. All sign lettering, colors and fonts shall adhere to the MUTCD in effect at the time of construction. Florescent Yellow-Green shall be used on signs, in place of Yellow, when listed as an optional color in the MUTCD. Generally, the font will be FHWA series fonts (Highway Gothic.) Other font types require prior City Signs and Markings Engineer approval.
- LOCATION
9. Sign locations depend on the edge of road condition. Generally, signs shall be a minimum 2' from face of a vertical curb, 4' from front of slope face curb, and 6' from edge of pavement without curb. Signs shall not be located more than 12' from any of these locations.
  10. Sign posts installed in dirt shall be buried a minimum of 36". Octagonal posts shall utilize an anti-spin device, 6" in length minimum. Sign posts installed in concrete or brick shall utilize a base cast in concrete 24" x 12" diameter.
  11. Street name signs shall be installed 8'-6" from the ground to the bottom of the sign. Street name signs co-located with STOP signs shall be installed above the STOP sign. A 6" space shall be maintained between the STOP sign and a Street name sign that is parallel to the STOP sign face. All other signs should be mounted per MUTCD guidelines for Urban Areas.

LICENSE # C-2710  
ENGINEERING  
LAND PLANNING  
COMMERCIAL / RESIDENTIAL

P.O. BOX 4041  
WILMINGTON, NC 28406  
(910) 791-4441

SITE PLAN DETAILS for PACIFIC PLACE

This document is prepared by CSD Engineering, Inc. for the use of the client. It is not to be used for any other project without the written consent of CSD Engineering, Inc. The client is responsible for obtaining all necessary permits and approvals from the appropriate authorities. CSD Engineering, Inc. is not responsible for any errors or omissions in this document.

SITE PLAN for PACIFIC PLACE  
LOCATED IN CITY OF WILMINGTON  
NEW HANOVER COUNTY, NORTH CAROLINA

OWNER: ARYA HOLDINGS, LLC  
1000 SIZZ  
WILMINGTON, NC 28406

PRELIMINARY

REV. NO.	REVISED SHEET NUMBERS	REMARKS	DATE	BY
1			9/28/17	JSM

DATE: 7-12-17  
HORIZ. SCALE: N/A  
VERT. SCALE: N/A  
DRAWN BY: RLW  
CHECKED BY: HSR  
PROJECT NO.: 17-0398