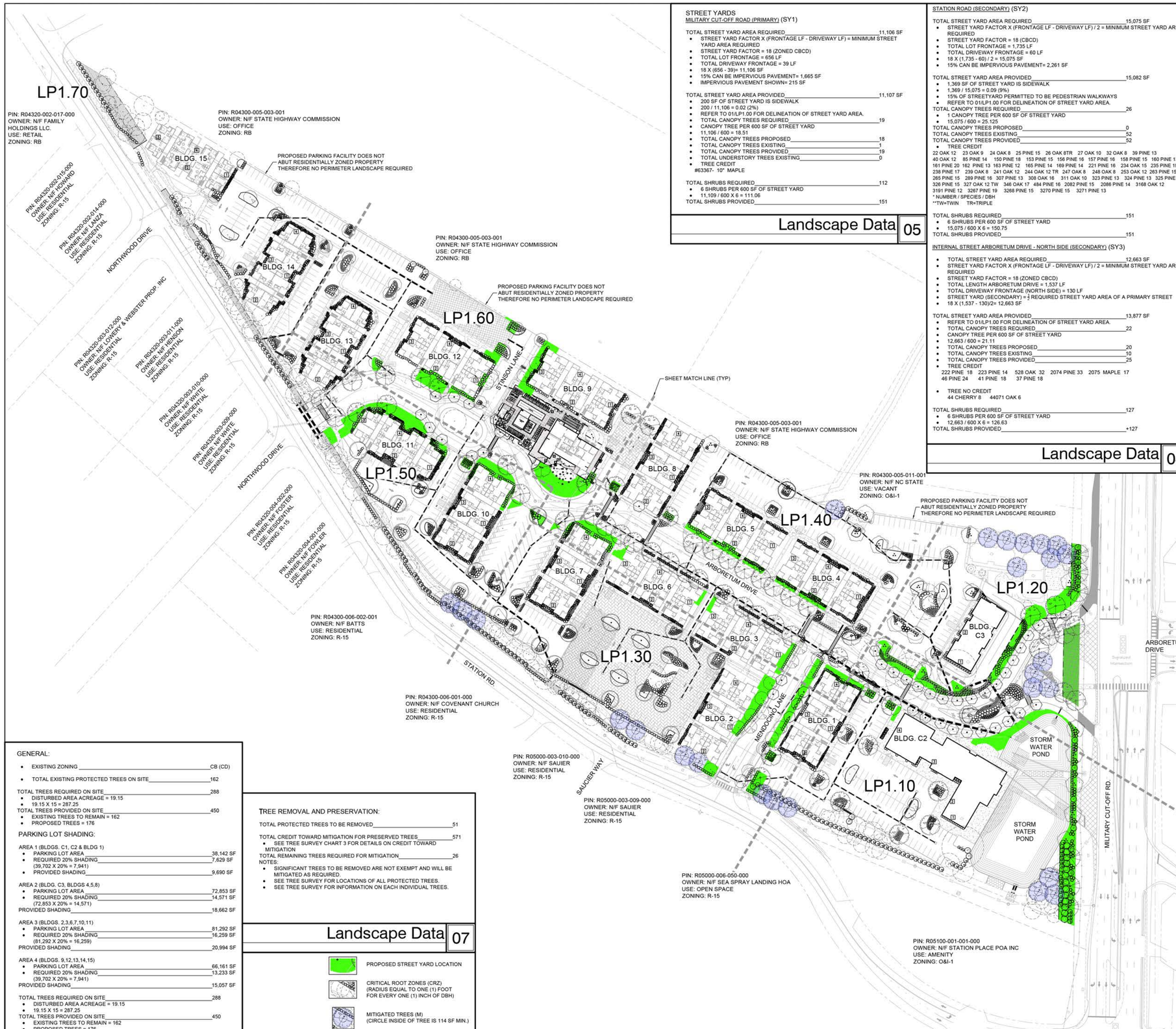

STREET YARDS

MILITARY CUT-OFF ROAD (PRIMARY) (SY1)

TOTAL STREET YARD AREA REQUIRED ____ 11,106 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (ZONED CBCD)
- TOTAL LOT FRONTAGE = 656 LF
- TOTAL DRIVEWAY FRONTAGE = 39 LF
- 18 X (656 - 39)= 11,106 SF
- 15% CAN BE IMPERVIOUS PAVEMENT= 1,665 SF
- IMPERVIOUS PAVEMENT SHOWN= 215 SF

TOTAL STREET YARD AREA PROVIDED ____ 11,107 SF
- 200 SF OF STREET YARD IS SIDEWALK
- 200 / 11,106 = 0.02 (2%)
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.
- TOTAL CANOPY TREES REQUIRED ____ 19
- CANOPY TREE PER 600 SF OF STREET YARD
- 11,106 / 600 = 18.51
- TOTAL CANOPY TREES PROPOSED ____ 18
- TOTAL CANOPY TREES EXISTING ____ 1
- TOTAL CANOPY TREES PROVIDED ____ 19
- TOTAL UNDERSTORY TREES EXISTING ____ 0
- TREE CREDIT
  #63367- 10" MAPLE

TOTAL SHRUBS REQUIRED ____ 112
- 6 SHRUBS PER 600 SF OF STREET YARD
- 11,109 / 600 X 6 = 111.06

TOTAL SHRUBS PROVIDED ____ 151

Landscape Data 05

STATION ROAD (SECONDARY) (SY2)

TOTAL STREET YARD AREA REQUIRED ____ 15,075 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) / 2 = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (CBCD)
- TOTAL LOT FRONTAGE = 1,735 LF
- TOTAL DRIVEWAY FRONTAGE = 60 LF
- 18 X (1,735 - 60) / 2 = 15,075 SF
- 15% CAN BE IMPERVIOUS PAVEMENT= 2,261 SF

TOTAL STREET YARD AREA PROVIDED ____ 15,082 SF
- 1,369 SF OF STREET YARD IS SIDEWALK
- 1,369 / 15,075 = 0.09 (9%)
- 15% OF STREETYARD PERMITTED TO BE PEDESTRIAN WALKWAYS
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.

TOTAL CANOPY TREES REQUIRED ____ 26
- 1 CANOPY TREE PER 600 SF OF STREET YARD
- 15,075 / 600 = 25.125

TOTAL CANOPY TREES PROPOSED ____ 0
TOTAL CANOPY TREES EXISTING ____ 52
TOTAL CANOPY TREES PROVIDED ____ 52
- TREE CREDIT

22 OAK 12 23 OAK 9 24 OAK 8 25 PINE 15 26 OAK 8TR 27 OAK 10 32 OAK 8 39 PINE 13
40 OAK 12 85 PINE 14 150 PINE 18 153 PINE 15 156 PINE 16 157 PINE 16 158 PINE 15 160 PINE 13
161 PINE 20 162 PINE 13 163 PINE 12 165 PINE 14 169 PINE 14 221 PINE 16 234 OAK 15 235 PINE 19
238 PINE 17 239 OAK 8 241 OAK 12 244 OAK 12 TR 247 OAK 8 248 OAK 8 253 OAK 12 263 PINE 15
265 PINE 15 289 PINE 16 307 PINE 13 308 OAK 16 311 OAK 10 323 PINE 13 324 PINE 13 325 PINE 15
326 PINE 15 327 OAK 12 TW 346 OAK 17 484 PINE 16 2082 PINE 15 2086 PINE 14 3168 OAK 12
3191 PINE 12 3267 PINE 19 3268 PINE 15 3270 PINE 15 3271 PINE 13
* NUMBER / SPECIES / DBH
***TW=TWIN TR=TRIPLE

TOTAL SHRUBS REQUIRED ____ 151
- 6 SHRUBS PER 600 SF OF STREET YARD
- 15,075 / 600 X 6 = 150.75

TOTAL SHRUBS PROVIDED ____ 151

INTERNAL STREET ARBORETUM DRIVE - NORTH SIDE (SECONDARY) (SY3)

- TOTAL STREET YARD AREA REQUIRED ____ 12,663 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) / 2 = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (ZONED CBCD)
- TOTAL LENGTH ARBORETUM DRIVE = 1,537 LF
- TOTAL DRIVEWAY FRONTAGE (NORTH SIDE) = 130 LF
- STREET YARD (SECONDARY) = ¾ REQUIRED STREET YARD AREA OF A PRIMARY STREET
- 18 X (1,537 - 130)/2= 12,663 SF

TOTAL STREET YARD AREA PROVIDED ____ 13,877 SF
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.
- TOTAL CANOPY TREES REQUIRED ____ 22
- CANOPY TREE PER 600 SF OF STREET YARD
- 12,663 / 600 = 21.11
- TOTAL CANOPY TREES PROPOSED ____ 20
- TOTAL CANOPY TREES EXISTING ____ 10
- TOTAL CANOPY TREES PROVIDED ____ 25
- TREE CREDIT.
  222 PINE 18 223 PINE 14 528 OAK 32 2074 PINE 33 2075 MAPLE 17
  46 PINE 24 41 PINE 18 37 PINE 18
- TREE NO CREDIT
  44 CHERRY 8 44071 OAK 6

TOTAL SHRUBS REQUIRED ____ 127
- 6 SHRUBS PER 600 SF OF STREET YARD
- 12,663 / 600 X 6 = 126.63

TOTAL SHRUBS PROVIDED ____ +127

Landscape Data 04

INTERNAL STREET ARBORETUM DRIVE - SOUTH SIDE (SECONDARY) (SY4)

- TOTAL STREET YARD AREA REQUIRED ____ 12,573 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) / 2 = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (ZONED CBCD)
- TOTAL LENGTH ARBORETUM DRIVE = 1,537 LF
- TOTAL DRIVEWAY FRONTAGE (SOUTH SIDE)= 140 LF
- 18 X (1,537-140)/2=12,573 LF

TOTAL STREET YARD AREA PROVIDED ____ 13,020 SF
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.
- TOTAL CANOPY TREES REQUIRED ____ 22
- CANOPY TREE PER 600 SF OF STREET YARD
- 12,672 / 600 = 21.12
- TOTAL CANOPY TREES PROPOSED ____ 22
- TOTAL CANOPY TREES EXISTING ____ 1
- TOTAL CANOPY TREES PROVIDED ____ 23
- TREE CREDIT
  443 OAK 20

TOTAL SHRUBS REQUIRED ____ 127
- 6 SHRUBS PER 600 SF OF STREET YARD
- 12,672 / 600 X 6 = 126.72

TOTAL SHRUBS PROVIDED ____ +127

INTERNAL STREET MENDOCINO LANE - EAST SIDE (SECONDARY) (SY5)

- TOTAL STREET YARD AREA REQUIRED ____ 2,529 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) / 2 = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (ZONED CBCD)
- TOTAL LENGTH MENDOCINO LANE = 305 LF
- TOTAL DRIVEWAY FRONTAGE (EASTSIDE) = 24'
- 18 X (305-24)/2 = 2,529 LF
- 15% ALLOWED IMPERVIOUS PAVEMENT MAX. = 379 SF
- IMPERVIOUS PAVEMENT SHOWN = 0 SF

TOTAL STREET YARD AREA PROVIDED ____ 2,956 SF
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.
- TOTAL CANOPY TREES REQUIRED ____ 5 TREES
- CANOPY TREE PER 600 SF OF STREET YARD
- 2,529 / 600 = 4.2
- TOTAL CANOPY TREES PROPOSED ____ 5 TREES
- TOTAL CANOPY TREES PROVIDED ____ 5 TREES

TOTAL SHRUBS REQUIRED ____ 26 SHRUBS
- 6 SHRUBS PER 600 SF OF STREET YARD
- 2,529 / 600 X 6 = 25.29

TOTAL SHRUBS PROVIDED ____ +26 SHRUBS

INTERNAL STREET MENDOCINO LANE - WEST SIDE (SECONDARY) (SY6)

- TOTAL STREET YARD AREA REQUIRED ____ 2,745 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) / 2 = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (ZONED CBCD)
- TOTAL LENGTH MENDOCINO LANE = 305 LF
- 18 X (305)/2 = 2,745 LF
- 15% ALLOWED IMPERVIOUS PAVEMENT MAX. = 411 ST
- IMPERVIOUS PAVEMENT SHOWN = 110 SF

TOTAL STREET YARD AREA PROVIDED ____ 3,063 SF
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.
- TOTAL CANOPY TREES REQUIRED ____ 5 TREES
- CANOPY TREE PER 600 SF OF STREET YARD
- 2,745 / 600 = 4.57
- TOTAL CANOPY TREES PROPOSED ____ 5 TREES
- TOTAL CANOPY TREES PROVIDED ____ 5 TREES

TOTAL SHRUBS REQUIRED ____ 28 SHRUBS
- 6 SHRUBS PER 600 SF OF STREET YARD
- 2,745 / 600 X 6 = 27.45

TOTAL SHRUBS PROVIDED ____ +28 SHRUBS

INTERNAL STREET STINSON LANE - EAST SIDE (SECONDARY) (SY7)

- TOTAL STREET YARD AREA REQUIRED ____ 1,548 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) / 2 = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (ZONED CBCD)
- TOTAL LENGTH STINSON LANE = 172 LF
- 18 X (172)/2 = 1,548 LF
- 15% ALLOWED IMPERVIOUS PAVEMENT MAX. = 232 ST
- IMPERVIOUS PAVEMENT SHOWN = 134 SF

TOTAL STREET YARD AREA PROVIDED ____ 1,551 SF
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.
- TOTAL CANOPY TREES REQUIRED ____ 3 TREES
- CANOPY TREE PER 600 SF OF STREET YARD
- 1,548 / 600 = 2.58
- TOTAL CANOPY TREES PROPOSED ____ 3 TREES
- TOTAL CANOPY TREES PROVIDED ____ 3 TREES

TOTAL SHRUBS REQUIRED ____ 16 SHRUBS
- 6 SHRUBS PER 600 SF OF STREET YARD
- 1,548 / 600 X 6 = 15.48

TOTAL SHRUBS PROVIDED ____ +16 SHRUBS

INTERNAL STREET STINSON LANE - WEST SIDE (SECONDARY) (SY8)

- TOTAL STREET YARD AREA REQUIRED ____ 1,332 SF
- STREET YARD FACTOR X (FRONTAGE LF - DRIVEWAY LF) / 2 = MINIMUM STREET YARD AREA REQUIRED
- STREET YARD FACTOR = 18 (ZONED CBCD)
- TOTAL LENGTH STINSON LANE = 172 LF
- 18 X (172-24)/2 = 1,332 LF
- 15% ALLOWED IMPERVIOUS PAVEMENT MAX. = 200 ST
- IMPERVIOUS PAVEMENT SHOWN = 74 SF

TOTAL STREET YARD AREA PROVIDED ____ 1,382 SF
- REFER TO 01/LP1.00 FOR DELINEATION OF STREET YARD AREA.
- TOTAL CANOPY TREES REQUIRED ____ 3 TREES
- CANOPY TREE PER 600 SF OF STREET YARD
- 1,548 / 600 = 2.58
- TOTAL CANOPY TREES PROPOSED ____ 2 TREES
- TOTAL CANOPY TREES EXISTING ____ 4 TREES
- TOTAL CANOPY TREES PROVIDED ____ 6 TREES

TOTAL SHRUBS REQUIRED ____ 16 SHRUBS
- 6 SHRUBS PER 600 SF OF STREET YARD
- 1,548 / 600 X 6 = 15.48

TOTAL SHRUBS PROVIDED ____ +16 SHRUBS

PARKING AREAS:

TOTAL INTERIOR AREA LANDSCAPING REQUIRED ____ 19,201 SF
- TOTAL IMPERVIOUS SURFACE OF PARKING AREA = 19,201 SF

240,005 X 0.08 = 19,201

TOTAL INTERIOR AREA LANDSCAPING PROVIDED ____ 19,705 SF
- 75% OF REQUIRED PARKING AREA TREES ARE CANOPY/SHADE SPECIES
- REFER TO LANDSCAPE PLAN XXLP1.00 FOR INDIVIDUAL LANDSCAPE AREAS AND SQUARE FOOTAGES.
- ONE TREE PER ISLAND.

Landscape Data 02

GENERAL:

- EXISTING ZONING ____ CB (CD)
- TOTAL EXISTING PROTECTED TREES ON SITE ____ 162

TOTAL TREES REQUIRED ON SITE ____ 288
- DISTURBED AREA ACREAGE = 19.15
- 19.15 X 15 = 287.25

TOTAL TREES PROVIDED ON SITE ____ 450
- EXISTING TREES TO REMAIN = 162
- PROPOSED TREES = 176

PARKING LOT SHADING:

AREA 1 (BLDGS. C1, C2 & BLDG 1)
- PARKING LOT AREA ____ 38,142 SF
- REQUIRED 20% SHADING ____ 7,629 SF
  (39,702 X 20% = 7,941)
- PROVIDED SHADING ____ 9,690 SF

AREA 2 (BLDG. C3, BLDGS 4,5,8)
- PARKING LOT AREA ____ 72,853 SF
- REQUIRED 20% SHADING ____ 14,571 SF
  (72,853 X 20% = 14,571)

PROVIDED SHADING ____ 18,662 SF

AREA 3 (BLDGS. 2,3,6,7,10,11)
- PARKING LOT AREA ____ 81,292 SF
- REQUIRED 20% SHADING ____ 16,259 SF
  (81,292 X 20% = 16,259)

PROVIDED SHADING ____ 20,994 SF

AREA 4 (BLDGS. 9,12,13,14,15)
- PARKING LOT AREA ____ 66,161 SF
- REQUIRED 20% SHADING ____ 13,233 SF
  (39,702 X 20% = 7,941)

PROVIDED SHADING ____ 15,057 SF

TOTAL TREES REQUIRED ON SITE ____ 288
- DISTURBED AREA ACREAGE = 19.15
- 19.15 X 15 = 287.25

TOTAL TREES PROVIDED ON SITE ____ 450
- EXISTING TREES TO REMAIN = 162
- PROPOSED TREES = 176

Landscape Data 08

TREE REMOVAL AND PRESERVATION:

TOTAL PROTECTED TREES TO BE REMOVED ____ 51

TOTAL CREDIT TOWARD MITIGATION FOR PRESERVED TREES ____ 571
- SEE TREE SURVEY CHART 3 FOR DETAILS ON CREDIT TOWARD MITIGATION

TOTAL REMAINING TREES REQUIRED FOR MITIGATION ____ 26

NOTES:
- SIGNIFICANT TREES TO BE REMOVED ARE NOT EXEMPT AND WILL BE MITIGATED AS REQUIRED.
- SEE TREE SURVEY FOR LOCATIONS OF ALL PROTECTED TREES.
- SEE TREE SURVEY FOR INFORMATION ON EACH INDIVIDUAL TREES.

Landscape Data 07

PROPOSED STREET YARD LOCATION

CRITICAL ROOT ZONES (CRZ) (RADIUS EQUAL TO ONE (1) FOOT FOR EVERY ONE (1) INCH OF DBH)

MITIGATED TREES (M) (CIRCLE INSIDE OF TREE IS 114 SF MIN.)

Legend 06

80' 40' 0 80' 160'

Code Compliant Overall Landscape Plan 03

Scale: 1" = 80'

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
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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	
Public Utilities	
Traffic	
Fire	

City of Wilmington Approvals 01

CLINE DESIGN
125 N. Harrington St.
Raleigh, NC 27603
919/833-6413
919/836-1280 FAX
ClineDesignAssoc.com

Tribute Companies
Arboretum West
Wilmington, North Carolina

Construction Drawings

CLINE DESIGN ASSOCIATES, PA
C-143
REGISTERED LANDSCAPE ARCHITECTURAL CORPORATION
RALEIGH, NC

No. 395
REGISTERED LANDSCAPE ARCHITECT
MICHAEL LATTNER
12-2-19

PROJECT: 018105
DATE: 12.21.2018

REVISIONS:	DATE
02.08.2019	Comments
03.20.2019	Comments
04.11.2019	Signatures
11.12.2019	Street Rev.
12.02.2019	Sign Rev.

DRAWN BY: CT
CHECKED BY: MWL

Overall Landscape Plan

LP1.00

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FOUNDATION PLANTINGS:

TOTAL REQUIRED AREA_____ SF
TOTAL PROVIDED AREA_____ SF

BUILDING C2 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	1092	0.12	132	137
2	723	0.12	87	96
3	2174	0.12	261	282
4	915	0.12	110	129

BUILDING C3 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	720	0.12	87	131
2	2196	0.12	264	269

BUILDING 1 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	1,085	0.12	131	502
2	2,352	0.12	283	317
3	5,397	0.12	648	651
4	2,352	0.12	283	317

BUILDING 2 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	5,397	0.12	648	648
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

BUILDING 3 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
2	1,176	0.12	142	280
3	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

BUILDING 4 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	2,352	0.12	283	529
2	5,397	0.12	648	704
3	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
4	5,397	0.12	648	671

BUILDING 5 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	2,352	0.12	283	317
4	5,397	0.12	648	671

BUILDING 6 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
2	5,397	0.12	648	648
3	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

BUILDING 7 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	2,266	0.12	272	800
2	2,352	0.12	283	317
3	5,397	0.12	648	671
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

BUILDING 8 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	5,397	0.12	648	670
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	5,397	0.12	648	712
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

CLUB FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	2,352	0.12	283	2562
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

BUILDING 9 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	2,352	0.12	283	317
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	2,352	0.12	283	317
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

BUILDING 10 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	5,397	0.12	648	760
2	2,352	0.12	283	309
3	5,397	0.12	648	790
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

BUILDING 11 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	2,352	0.12	283	286
2	5,397	0.12	648	797
3	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
4	5,397	0.12	648	741

BUILDING 12 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	2,352	0.12	283	224
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	2,352	0.12	283	317
4	5,397	0.12	648	663

BUILDING 13 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	5,283	0.12	634	738
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	5,283	0.12	634	738
4	1,615	0.12	194	235

BUILDING 14 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	5,283	0.12	634	738
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	5,283	0.12	634	736
4	1,615	0.12	194	223

BUILDING 15 FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	1,615	0.12	194	211
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

CLUB BUILDING FOUNDATION LANDSCAPE DATA				
SIDE	BLDG ELEV AREA	MULTIPLYING FACTOR	REQUIRED	PROVIDED
1	773	0.12	93	147
2	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
3	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			
4	*NOT ADJACENT TO PARKING FACILITIES OR INTERNAL DRIVE ISLES			

Foundation Landscape Data 02

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

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED_____

Approved Construction Plan

	Name	Date
Planning		
Public Utilities		
Traffic		
Fire		

80' 40' 0 80' 160'

Code Compliant Overall Landscape Plan 03

Scale: 1" = 80'

City of Wilmington Approvals 01

CLINE DESIGN
125 N. Harrington St.
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REGISTERED LANDSCAPE ARCHITECT
No. 395
MICHAEL LATTNER
12-2-19

PROJECT: 018105
DATE: 12.21.2018

REVISIONS:	DATE
02.08.2019	Comments
03.20.2019	Comments
04.11.2019	Signatures
11.12.2019	Street Rev.
12.02.2019	Sign Rev.

DRAWN BY: CT
CHECKED BY: MWL

Overall Landscape Plan

LP1.01

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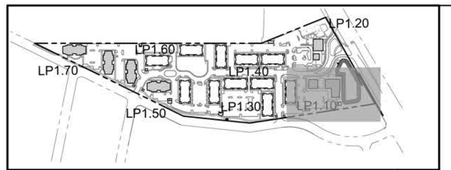

Sheet Index 03

NOTE:
SIGHT DISTANCE TRIANGLE (ALL PROPOSED VEGETATION WITHIN SIGHT DISTANCE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30" TO 10' HEIGHT. (TYP)

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

STORMWATER MANAGEMENT PLAN
APPROVED
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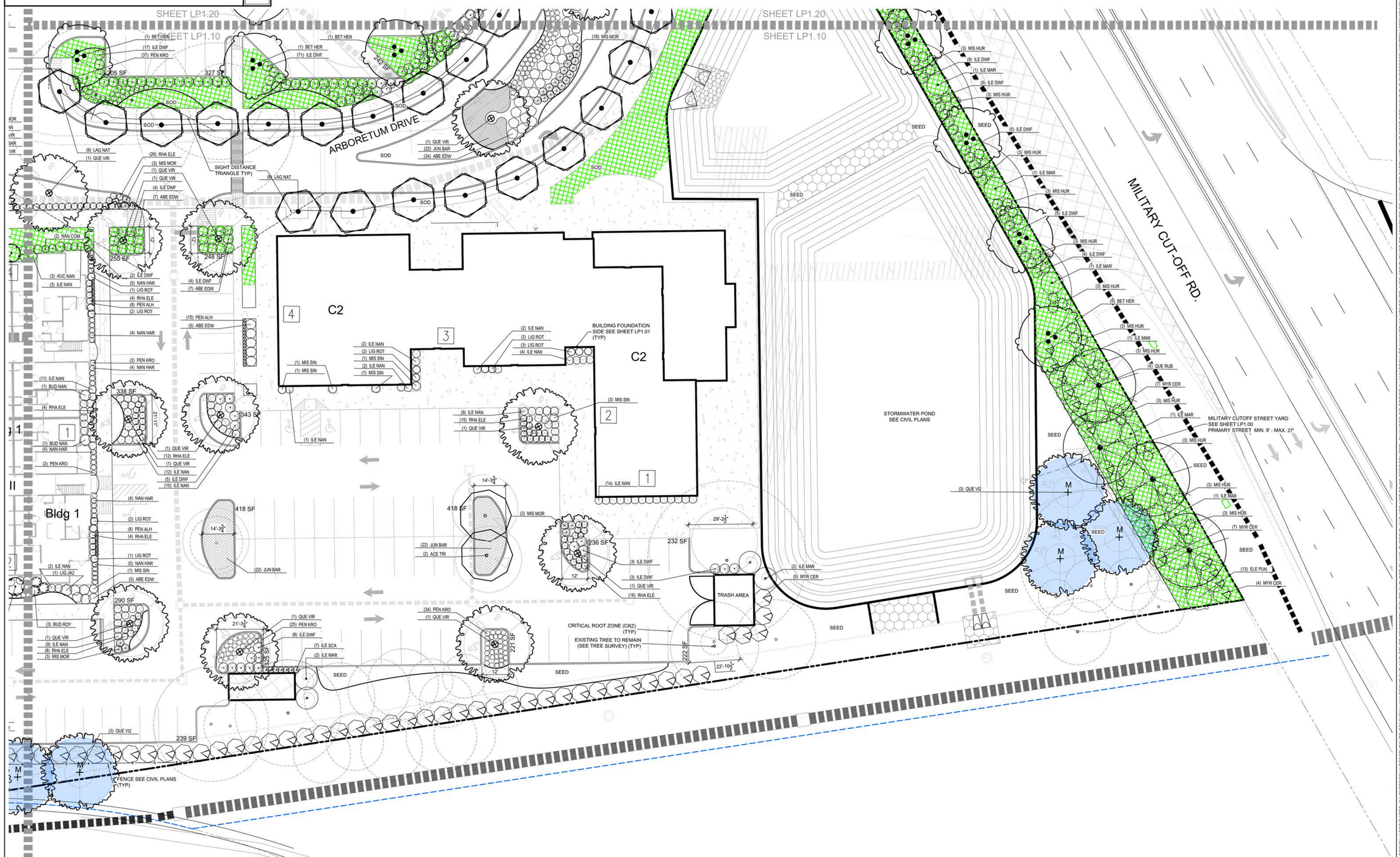
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED_____

Approved Construction Plan

	Name	Date
Planning		
Public Utilities		
Traffic		
Fire		

City of Wilmington Approvals 02



Enlarged Landscape Plan 01
Scale: 1" = 20'

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TRC Review

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LANDSCAPE ARCHITECTURE CONSULTING
C-143
RALEIGH, NC

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT
No. 395
MICHAEL LATTNER
4.11.19

PROJECT: 018105
DATE: 12.21.2018

REVISIONS:	DATE
02.08.2019	Comments
03.20.2019	Comments
04.08.2019	Signatures

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Enlarged Landscape Plan

LP1.10

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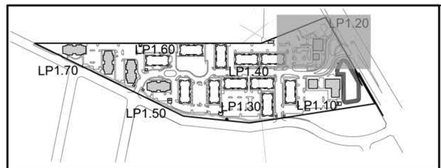

Sheet Index 03

NOTE:
SIGHT DISTANCE TRIANGLE (ALL PROPOSED VEGETATION WITHIN SIGHT DISTANCE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30" TO 10' HEIGHT. (TYP)

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

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED_____

Approved Construction Plan

	Name	Date
Planning		
Public Utilities		
Traffic		
Fire		

City of Wilmington Approvals 02

20' 10' 0 20' 40'

Enlarged Landscape Plan 01
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MICHAEL LATTNER
12-2-19

PROJECT: 018105
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11.12.2019 Street Rev.	
12.02.2019 Sign Rev.	

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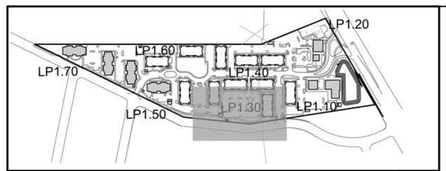

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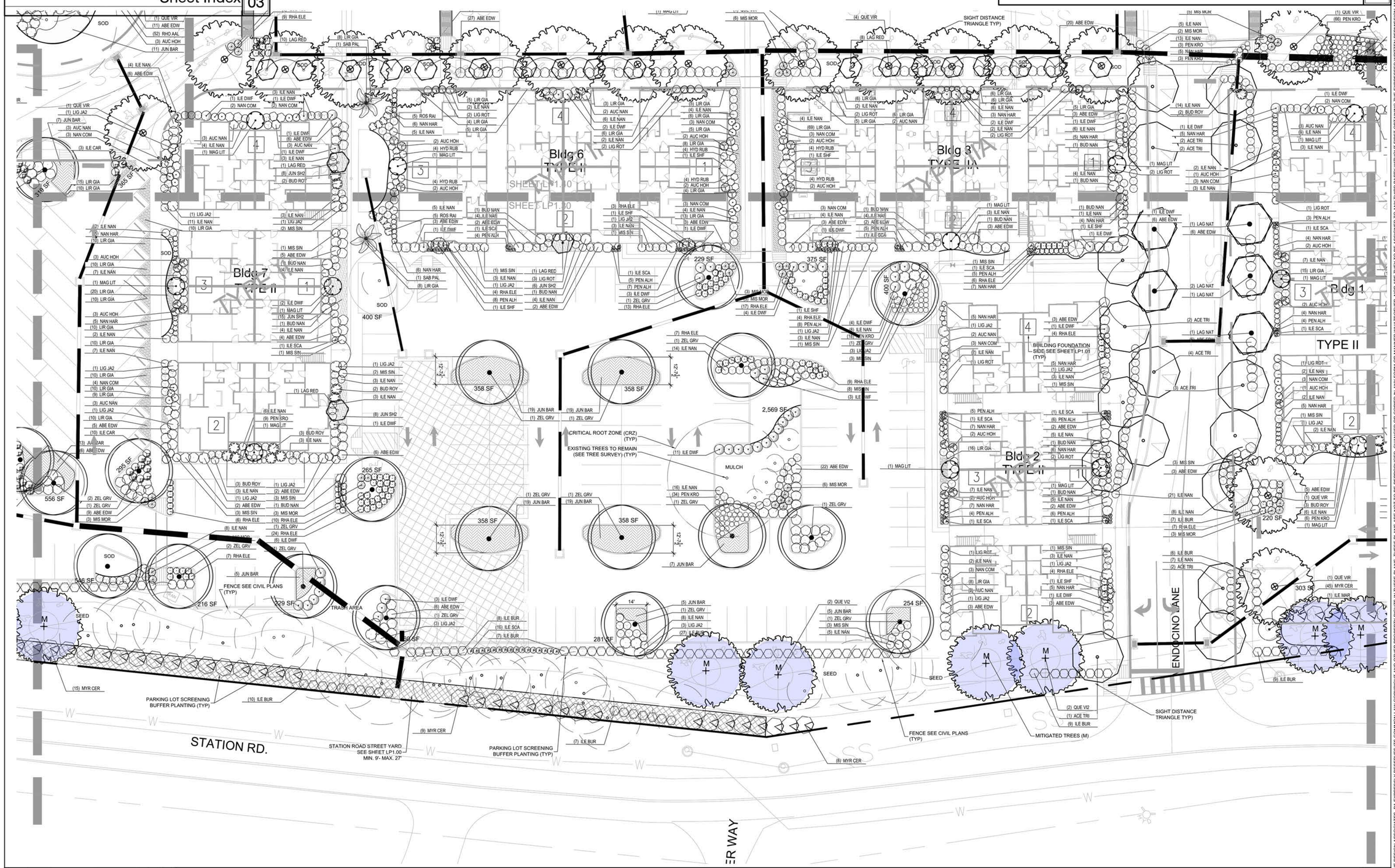
Fire		

City of Wilmington Approvals 02



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NORTH CAROLINA
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MICHAEL LATTNER
11-12-19

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Enlarged Landscape Plan

LP1.30

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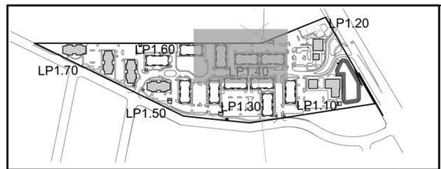

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Traffic		
Fire		

City of Wilmington Approvals 02

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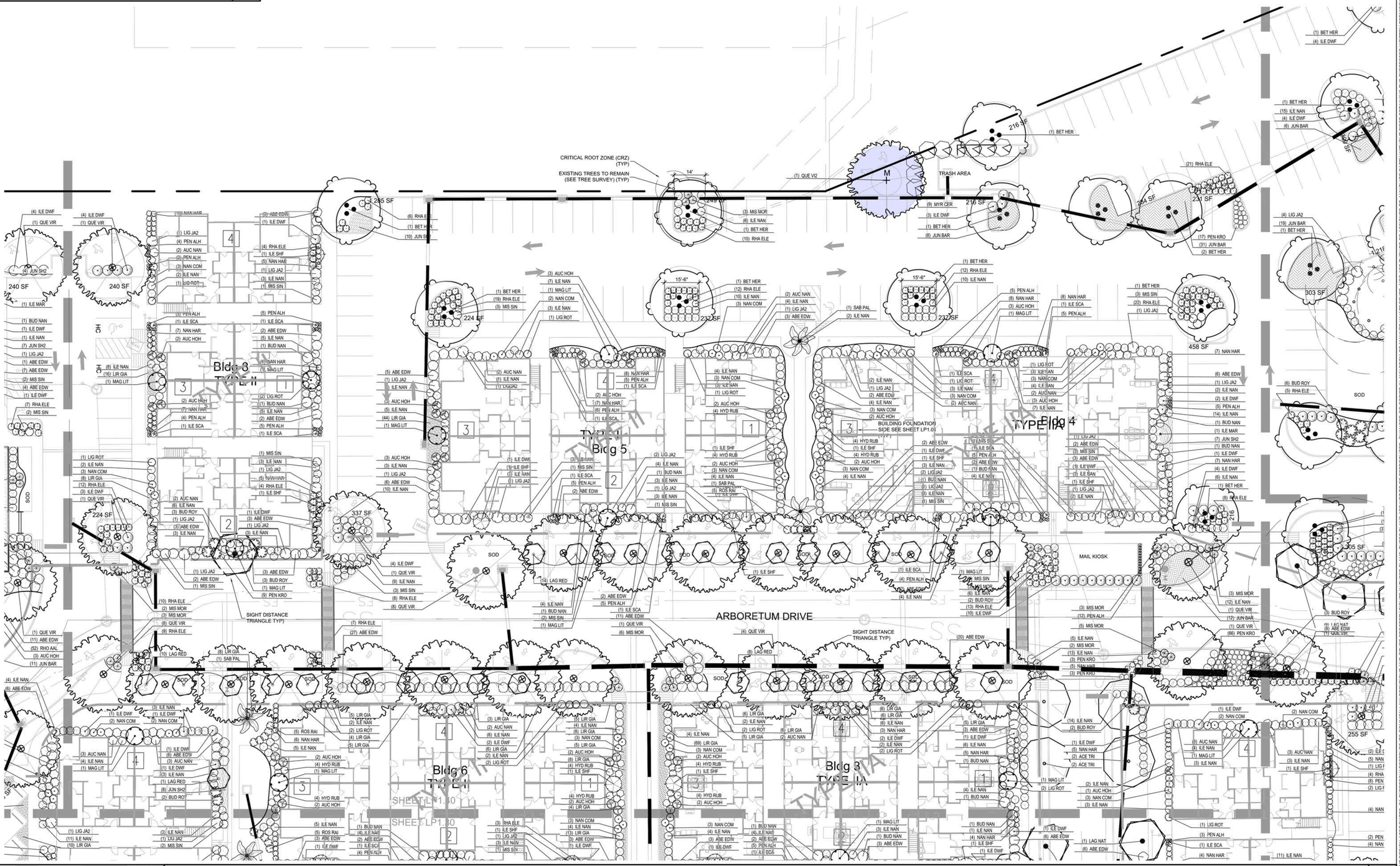

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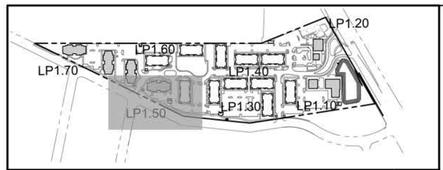

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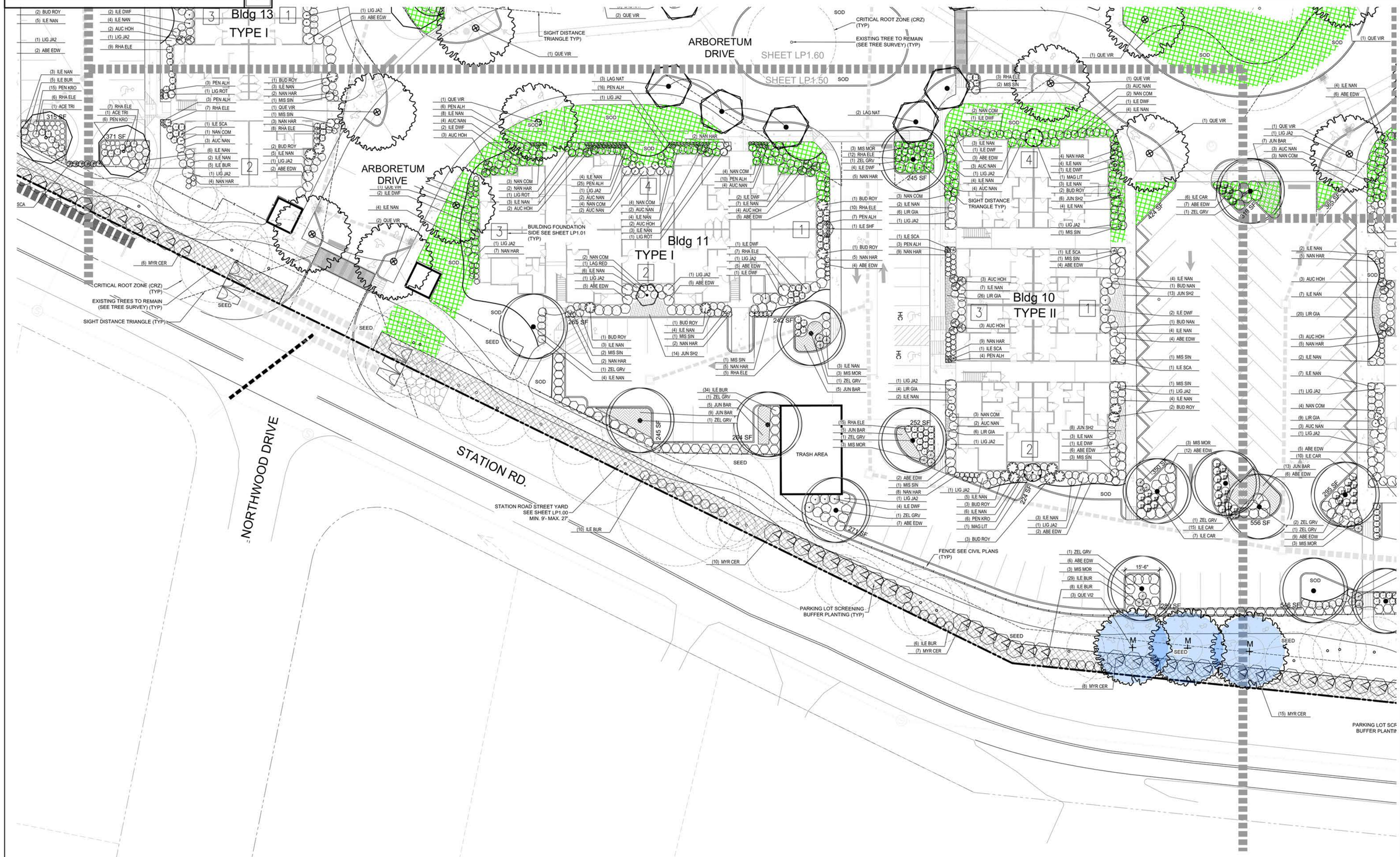

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT No. 395 MICHAEL LATTNER
4.11.19

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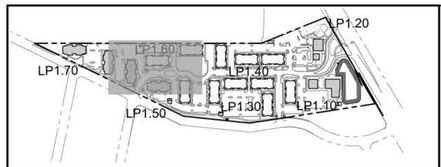

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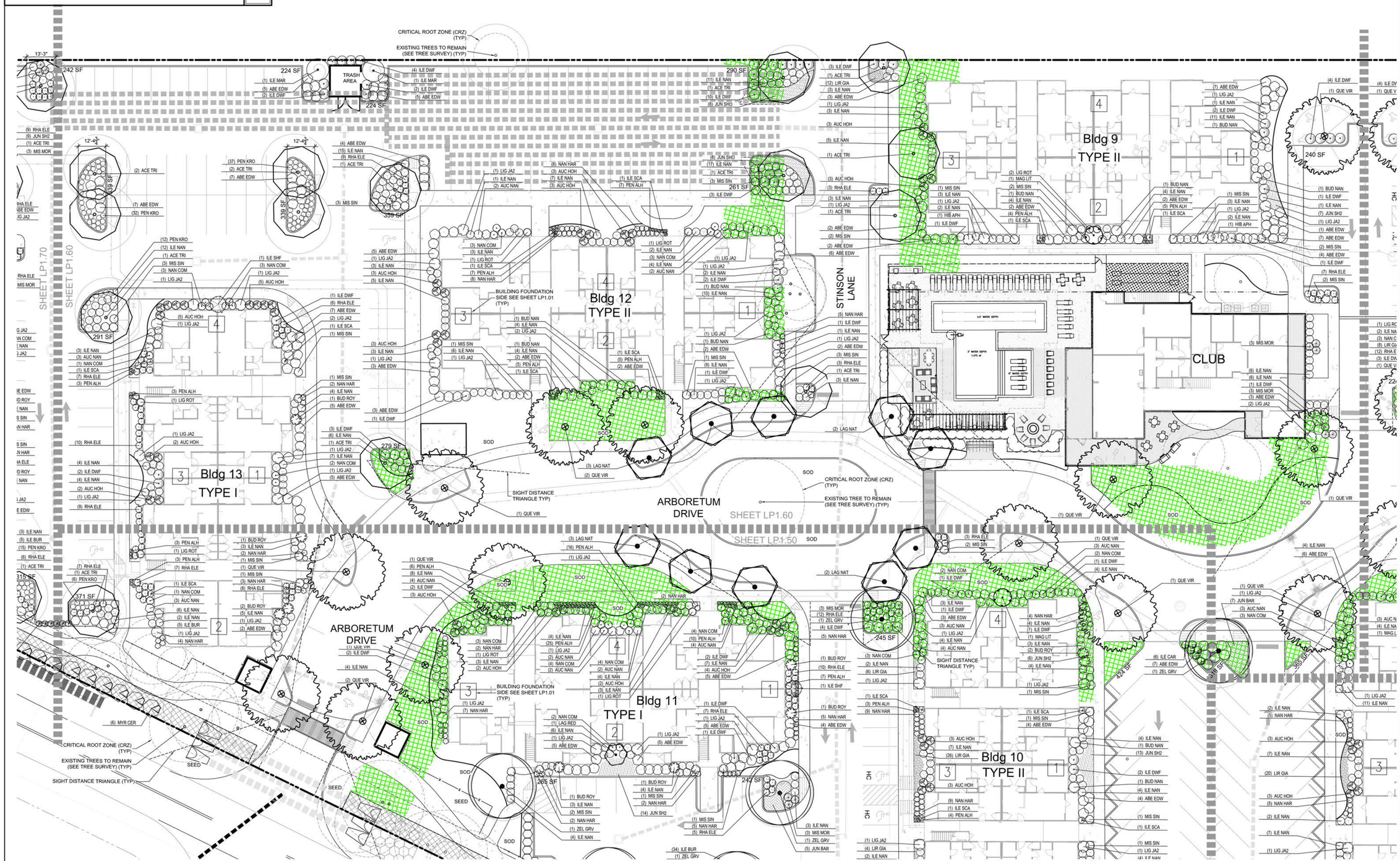

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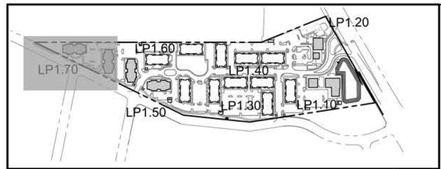

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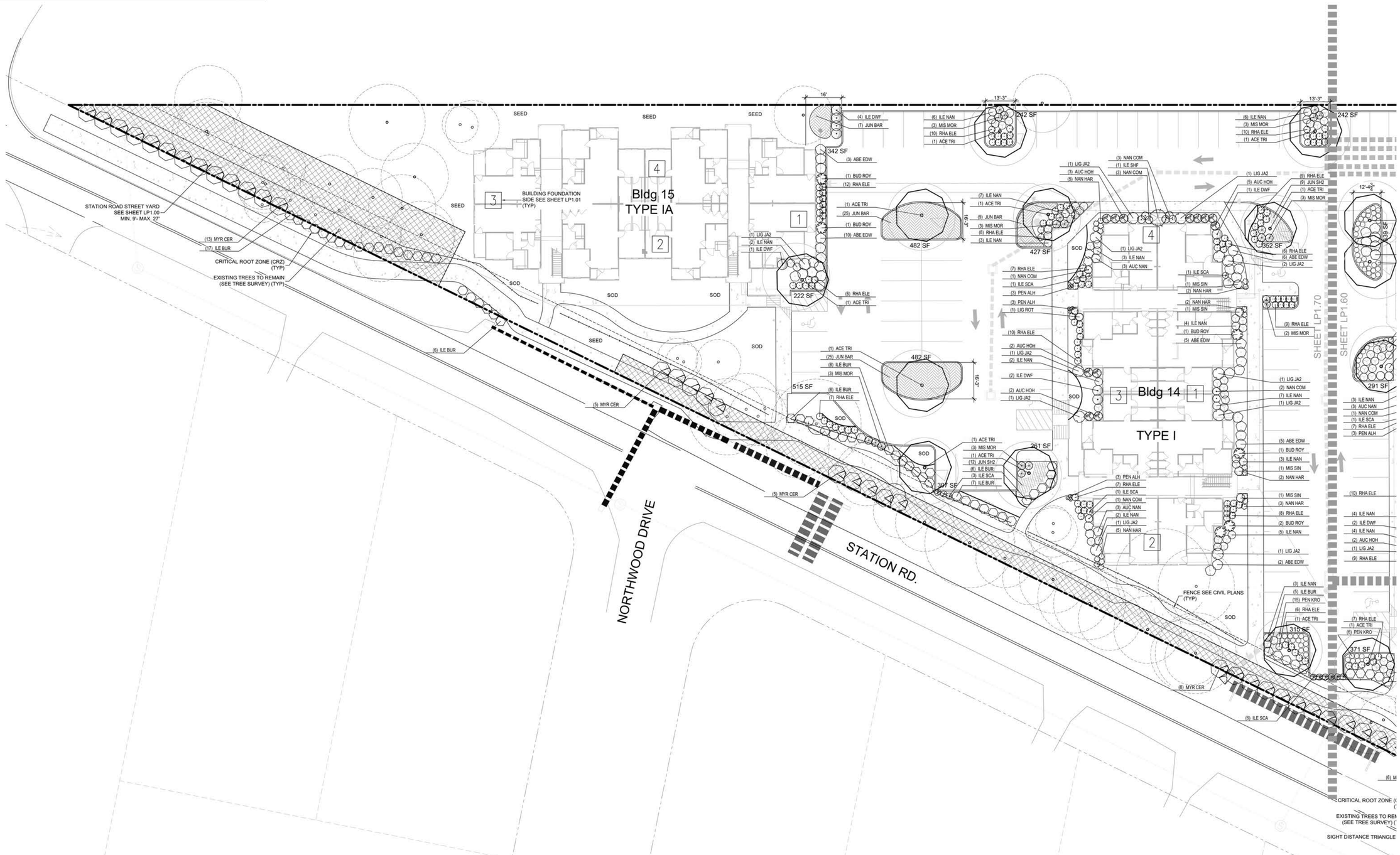

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20' 10' 0 20' 40'

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PLANT SCHEDULE ARBORETUM NORTH

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
ACE TRI	2	ACER BUERGERIANUM	TRIDENT MAPLE	2.5"	10'-12'	5'-6'	FULL HEAD, MATCHED
BET HER	3	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	2.5"	10'-12'	6'-8'	FULL HEAD. MATCHED, 3 TRUNK MIN.
X DECID	3	EXISTING DECIDUOUS SHADE TREE	EXISTING DECIDUOUS SHADE TREE	2" MIN			
X EVGRN	7	EXISTING EVERGREEN SHADE TREE	EXISTING EVERGREEN SHADE TREE	2" MIN			
LAG NAT	23	LAGERSTROEMIA FAURIEI 'NATCHEZ"	NATCHEZ CRAPE MYRTLE	2"	8'-10'	6'-7'	FULL, SINGLE TRUNK
QUE VIR	21	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	2.5"	12-14'	8'-10'	FULL HEAD. MATCHED

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ABE EDW	51	ABELIA GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	18"-24"	18"-24"	FULL, 5' O.C., CONT., FOUNDATION
BER ROS	41	BERBERIS THUNBERGII 'ROSE GLOW'	ROSY GLOW BARBERRY	18"-24"	18"-24"	
BUD ROY	4	BUDDLEIA DAVIDII 'ROYAL RED'	ROYAL RED BUTTERFLY BUSH	24"-30"	24"-30"	
BUD NAN	6	BUDDLEJA DAVIDII 'NANHO BLUE'	NANHO BLUE BUTTERFLY BUSH	24"-30"	24"-30"	FULL,
CYT SCO	11	CYTISUS SCOPARIUS 'MOONLIGHT'	MOONLIGHT BROOM	18"-24"	18-24"	
ILE DWF	109	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	18"-24"	18"-24"	EVERGREEN, FULL TO GROUND, 5' O.C.,
ILE SCA	6	ILEX VOMITORIA "SCARLET'S PEAK'	SCARLET'S PEAK YAUPON HOLLY	36" MIN.	12"-18"	FULL
ILE NAN	105	ILEX VOMITORIA 'NANA'	DWARF YAUPON	12-18"	12"-18"	FULL, 3.5 O.C.,
ILE SHF	1	ILEX VOMITORIA 'SHADOW'S FEMALE'	SHADOW YAUPON HOLLY	4'-6'	2'-3'	FULL HEAD
LIG JA2	13	LIGUSTRUM JAPONICUM 'JACK FROST'	'JACK FROST' LIGUSTRUM	18"-24"	18"-24"	FULL
MIS SIN	15	MISCANTHUS SINENSIS 'ADAGIO'	ADAGIO EULALIA GRASS	18"	18"	FULL
MIS MOR	14	MISCANTHUS SINENSIS 'MORNING LIGHT'	MORNING LIGHT MAIDEN GRASS	18"	18"	FULL
NAN HAR	4	NANDINA DOMESTICA 'HARBOUR DWARF'	DWARF HEAVENLY BAMBOO	12"-15"	12"-15"	FULL,
PEN ALH	41	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	12"-18"	12"-18"	FULL, 1.5' O.C., CONT., FOUNDATION
PEN KRO	48	PENNISETUM ORIENTALE "KARLY ROSE'	KARLY ROSEFOUNTAIN GRASS	12-18"	12-18"	FULL,
RHA ELE	53	RHAPHIOLEPIS UMBELLATA 'ELEANOR TABOR'	ELEANORE TABOR HAWTHORNE	18-24"	12-18"	FULL

SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT.	SPR.	SPACING	REMARKS
JUN BAR	12	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	1 GAL	6-8"	10-15"	54" o.c.	FULL

PLANT SCHEDULE ARBORETUM DRIVE SOUTH

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
X DECID	1	EXISTING DECIDUOUS SHADE TREE	EXISTING DECIDUOUS SHADE TREE	2" MIN			
LAG NAT	15	LAGERSTROEMIA FAURIEI 'NATCHEZ"	NATCHEZ CRAPE MYRTLE	2"	8'-10'	6'-7'	FULL, SINGLE TRUNK
QUE VIR	26	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	2.5"	12-14'	8'-10'	FULL HEAD. MATCHED
ZEL GRV	1	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2.5-3"	12-14'	6-7'	FULL, MATCHED

MITIGATED TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
QUE VI2	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	2.5" MIN	10-12'	6-8'	FULL HEAD. MATCHED

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ABE EDW	120	ABELIA GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	18"-24"	18"-24"	FULL, 5' O.C., CONT., FOUNDATION
AUC HOH	4	AUCUBA JAPONICA "HOSOBA HOSHIFU'	HOSOBA HOSHIFU AUCUBA	18"-24"	18"-24"	FULL, 4' OC.
AUC NAN	3	AUCUBA JAPONICA 'NANA'	JAPANESE LAUREL	18"-24"	18"-24"	FULL
CYT SCO	13	CYTISUS SCOPARIUS 'MOONLIGHT'	MOONLIGHT BROOM	18"-24"	18-24"	
ILE DWF	14	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	18"-24"	18"-24"	EVERGREEN, FULL TO GROUND, 5' O.C.,
ILE CAR	6	ILEX CORNUTA 'CARISSA'	CARISSA HOLLY	18-24"	12-18"	FULL
ILE NAN	42	ILEX VOMITORIA 'NANA'	DWARF YAUPON	12-18"	12"-18"	FULL, 3.5 O.C.,
LIG JA2	1	LIGUSTRUM JAPONICUM 'JACK FROST'	'JACK FROST' LIGUSTRUM	18"-24"	18"-24"	FULL
MIS SIN	2	MISCANTHUS SINENSIS 'ADAGIO'	ADAGIO EULALIA GRASS	18"	18"	FULL
MIS MOR	34	MISCANTHUS SINENSIS 'MORNING LIGHT'	MORNING LIGHT MAIDEN GRASS	18"	18"	FULL
NAN COM	3	NANDINA DOMESTICA 'COMPACTA'	COMPACTA HEAVENLY BAMBOO	18-24"	12-18"	FULL TO GROUND, 3.5 O.C.
NAN HAR	7	NANDINA DOMESTICA 'HARBOUR DWARF'	DWARF HEAVENLY BAMBOO	12"-15"	12"-15"	FULL,
PEN ALH	10	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	12"-18"	12"-18"	FULL, 1.5' O.C., CONT., FOUNDATION
PEN KRO	24	PENNISETUM ORIENTALE "KARLY ROSE'	KARLY ROSEFOUNTAIN GRASS	12-18"	12-18"	FULL,
RHA ELE	55	RHAPHIOLEPIS UMBELLATA 'ELEANOR TABOR'	ELEANORE TABOR HAWTHORNE	18-24"	12-18"	FULL

SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT.	SPR.	SPACING	REMARKS
JUN BAR	29	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	1 GAL	6-8"	10-15"	54" o.c.	FULL

PLANT SCHEDULE MENDOCINO LANE - WEST SIDE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
ACE TRI	6	ACER BUERGERIANUM	TRIDENT MAPLE	2.5"	10-12'	5-6'	FULL HEAD, MATCHED
LAG NAT	2	LAGERSTROEMIA FAURIEI 'NATCHEZ"	NATCHEZ CRAPE MYRTLE	2"	8'-10'	6'-7'	FULL, SINGLE TRUNK

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ILE NAN	33	ILEX VOMITORIA 'NANA'	DWARF YAUPON	12-18"	12"-18"	FULL, 3.5 O.C.,

PLANT SCHEDULE MENDOCINO LANE - EAST SIDE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
ACE TRI	7	ACER BUERGERIANUM	TRIDENT MAPLE	2.5"	10-12'	5-6'	FULL HEAD, MATCHED
LAG NAT	3	LAGERSTROEMIA FAURIEI 'NATCHEZ"	NATCHEZ CRAPE MYRTLE	2"	8'-10'	6'-7'	FULL, SINGLE TRUNK

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ABE EDW	12	ABELIA GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	18"-24"	18"-24"	FULL, 5' O.C., CONT., FOUNDATION
ILE NAN	29	ILEX VOMITORIA 'NANA'	DWARF YAUPON	12-18"	12"-18"	FULL, 3.5 O.C.,
MIS SIN	3	MISCANTHUS SINENSIS 'ADAGIO'	ADAGIO EULALIA GRASS	18"	18"	FULL

PLANT SCHEDULE STINSON LANE - EAST SIDE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
ACE TRI	3	ACER BUERGERIANUM	TRIDENT MAPLE	2.5"	10-12'	5-6'	FULL HEAD, MATCHED

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ABE EDW	6	ABELIA GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	18"-24"	18"-24"	FULL, 5' O.C., CONT., FOUNDATION
AUC HOH	6	AUCUBA JAPONICA "HOSOBA HOSHIFU'	HOSOBA HOSHIFU AUCUBA	18"-24"	18"-24"	FULL, 4' OC.
ILE DWF	3	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	18"-24"	18"-24"	EVERGREEN, FULL TO GROUND, 5' O.C.,
ILE NAN	14	ILEX VOMITORIA 'NANA'	DWARF YAUPON	12-18"	12"-18"	FULL, 3.5 O.C.,
LIG JA2	2	LIGUSTRUM JAPONICUM 'JACK FROST'	'JACK FROST' LIGUSTRUM	18"-24"	18"-24"	FULL
MIS SIN	2	MISCANTHUS SINENSIS 'ADAGIO'	ADAGIO EULALIA GRASS	18"	18"	FULL
RHA ELE	3	RHAPHIOLEPIS UMBELLATA 'ELEANOR TABOR'	ELEANORE TABOR HAWTHORNE	18-24"	12-18"	FULL

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT.	SPR.	SPACING	REMARKS
LIR GIA	12	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT BORDER GRASS	1 GAL	6-8"	4-6"	20" o.c.	FULL. CUT IN HALF IF NECESSARY

PLANT SCHEDULE STINSON LANE - WEST SIDE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
ACE TRI	3	ACER BUERGERIANUM	TRIDENT MAPLE	2.5"	10-12'	5-6'	FULL HEAD, MATCHED
X EVGRN	4	EXISTING EVERGREEN SHADE TREE	EXISTING EVERGREEN SHADE TREE	2" MIN			

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ABE EDW	6	ABELIA GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	18"-24"	18"-24"	FULL, 5' O.C., CONT., FOUNDATION
BUD NAN	2	BUDDLEJA DAVIDII 'NANHO BLUE'	NANHO BLUE BUTTERFLY BUSH	24"-30"	24"-30"	FULL,
ILE DWF	12	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	18"-24"	18"-24"	EVERGREEN, FULL TO GROUND, 5' O.C.,
ILE NAN	41	ILEX VOMITORIA 'NANA'	DWARF YAUPON	12-18"	12"-18"	FULL, 3.5 O.C.,
LIG JA2	3	LIGUSTRUM JAPONICUM 'JACK FROST'	'JACK FROST' LIGUSTRUM	18"-24"	18"-24"	FULL
MIS SIN	2	MISCANTHUS SINENSIS 'ADAGIO'	ADAGIO EULALIA GRASS	18"	18"	FULL
NAN HAR	5	NANDINA DOMESTICA 'HARBOUR DWARF'	DWARF HEAVENLY BAMBOO	12"-15"	12"-15"	FULL,
RHA ELE	3	RHAPHIOLEPIS UMBELLATA 'ELEANOR TABOR'	ELEANORE TABOR HAWTHORNE	18-24"	12-18"	FULL

SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT.	SPR.	SPACING	REMARKS
JUN SHO	16	JUNIPERUS CONFERTA	SHORE JUNIPER	3 GAL			55" o.c.	

Street Yard Plant Schedules 03

PLANT SCHEDULE MILITARY CUT-OFF STREET YARD

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
BET HER	7	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	2.5"	10'-12'	6-8'	FULL HEAD. MATCHED, 3 TRUNK MIN.
X DECID	1	EXISTING DECIDUOUS SHADE TREE	EXISTING DECIDUOUS SHADE TREE	2" MIN			
LAG NAT	1	LAGERSTROEMIA FAURIEI 'NATCHEZ"	NATCHEZ CRAPE MYRTLE	2"	8'-10'	6'-7'	FULL, SINGLE TRUNK
QUE RUB	7	QUERCUS RUBRA	RED OAK	2.5"	12'-14	8'-10'	FULL HEAD. MATCHED
QUE VIR	4	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	2.5"	12-14'	8'-10'	FULL HEAD. MATCHED

MITIGATED TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
QUE VI2	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	2.5" MIN	10-12'	6-8'	FULL HEAD. MATCHED

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ELE PUN	13	ELAEAGNUS PUNGENS	THORNY ELEAGNUS	18"-24"	18"-24"	FULL
ILE DWF	56	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	18"-24"	18"-24"	EVERGREEN, FULL TO GROUND, 5' O.C.,
ILE MAR	10	ILEX X 'MARY NELL'	MARY NELL HOLLY	3'-4'	1-2'	FULL
MIS HUR	54	MISCANTHUS SINENSIS 'HURON SUNRISE'	HURON SUNRISE EULALIA	2 GAL.		FULL
MYR CER	18	MYRICA CERIFERA	WAX MYRTLE	36" MIN.	18"-24"	FULL

PLANT SCHEDULE STATION ROAD STREET YARD

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
X DECID	19	EXISTING DECIDUOUS SHADE TREE	EXISTING DECIDUOUS SHADE TREE	2" MIN			
X EVGRN	31	EXISTING EVERGREEN SHADE TREE	EXISTING EVERGREEN SHADE TREE	2" MIN			

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ILE BUR	59	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	36" MIN.	18"-24"	FULL
MYR CER	92	MYRICA CERIFERA	WAX MYRTLE	36" MIN.	18"-24"	FULL

Street Yard Plant Schedules 02

PLANT SCHEDULE OVERALL

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
ACE TRI	42	ACER BUERGERIANUM	TRIDENT MAPLE	2.5"	10-12'	5-6'	FULL HEAD, MATCHED
BET HER	29	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	2.5"	10'-12'	6-8'	FULL HEAD. MATCHED, 3 TRUNK MIN.
X DECID	70	EXISTING DECIDUOUS SHADE TREE	EXISTING DECIDUOUS SHADE TREE	2" MIN			
X EVGRN	75	EXISTING EVERGREEN SHADE TREE	EXISTING EVERGREEN SHADE TREE	2" MIN			
LAG NAT	44	LAGERSTROEMIA FAURIEI 'NATCHEZ"	NATCHEZ CRAPE MYRTLE	2"	8'-10'	6'-7'	FULL, SINGLE TRUNK
LAG RED	2	LAGERSTROEMIA INDICA 'WHIT IV"-RED ROCKET	RED ROCKET CRAPEMYRTLE P.P #11342	–	8'-10'	4'-6'	FULL, MATCHED, 3 TRUNK MIN.
MAG LIT	12	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	LITTLE GEM MAGNOLIA	2"	8'-10'	6'-8'	FULL
QUE RUB	7	QUERCUS RUBRA	RED OAK	2.5"	12'-14	8'-10'	FULL HEAD. MATCHED
QUE VIR	62	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	2.5"	12-14'	8'-10'	FULL HEAD. MATCHED
ZEL GRV	29	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2.5-3"	12-14'	6-7'	FULL, MATCHED

MITIGATED TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPR.	REMARKS
QUE VI2	26	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	2.5" MIN	10-12'	6-8'	FULL HEAD. MATCHED

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	HT.	SPR.	REMARKS
ABE EDW	517	ABELIA GRANDIFLORA 'EDWARD GOUCHER'	GLOSSY ABELIA	18"-24"	18"-24"	FULL, 5' O.C., CONT., FOUNDATION
AUC HOH	98	AUCUBA JAPONICA "HOSOBA HOSHIFU'	HOSOBA HOSHIFU AUCUBA	18"-24"	18"-24"	FULL, 4' OC.
AUC NAN	76	AUCUBA JAPONICA 'NANA'	JAPANESE LAUREL	18"-24"	18"-24"	FULL
BER ROS	41	BERBERIS THUNBERGII 'ROSE GLOW'	ROSY GLOW BARBERRY	18"-24"	18"-24"	
BUD ROY	48	BUDDLEIA DAVIDII 'ROYAL RED'	ROYAL RED BUTTERFLY BUSH	24"-30"	24"-30"	
BUD NAN	26	BUDDLEJA DAVIDII 'NANHO BLUE'	NANHO BLUE BUTTERFLY BUSH	24"-30"	24"-30"	FULL,
CYT SCO	26	CYTISUS SCOPARIUS 'MOONLIGHT'	MOONLIGHT BROOM	18"-24"	18-24"	
ELE PUN	13	ELAEAGNUS PUNGENS	THORNY ELEAGNUS	18"-24"	18"-24"	FULL
EUO UPR	15	EUONYMUS JAPONICUS 'GREENSPIRE'	GREENSPIRE UPRIGHT EUONYMUS	18"-24"	18"-24"	FULL, 2' OC.
HIB APH	2	HIBISCUS SYRIACUS 'APHRODITE'	APHRODITE ROSE OF SHARON	24"-36"	24-30"	FULL
ILE DWF	372	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	18"-24"	18"-24"	EVERGREEN, FULL TO GROUND, 5' O.C.,
ILE BUR	239	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	36" MIN.	18"-24"	FULL
ILE CAR	38	ILEX CORNUTA 'CARISSA'	CARISSA HOLLY	18-24"	12-18"	FULL
ILE SCA	68	ILEX VOMITORIA "SCARLET'S PEAK'	SCARLET'S PEAK YAUPON HOLLY	36" MIN.	12"-18"	FULL
ILE NAN	1,039	ILEX VOMITORIA 'NANA'	DWARF YAUPON	12-18"	12"-18"	FULL, 3.5 O.C.,
ILE SHF	5	ILEX VOMITORIA 'SHADOW'S FEMALE'	SHADOW YAUPON HOLLY	4'-6'	2'-3'	FULL HEAD
ILE MAR	18	ILEX X 'MARY NELL'	MARY NELL HOLLY	3'-4'	1-2'	FULL
LIG JA2	106	LIGUSTRUM JAPONICUM 'JACK FROST'	'JACK FROST' LIGUSTRUM	18"-24"	18"-24"	FULL
LIG ROT	37	LIGUSTRUM JAPONICUM 'ROTUNDIFOLIUM'	JAPANESE PRIVET	36" MIN	24"	FULL, 4'OC.
MIS SIN	109	MISCANTHUS SINENSIS 'ADAGIO'	ADAGIO EULALIA GRASS	18"	18"	FULL
MIS HUR	54	MISCANTHUS SINENSIS 'HURON SUNRISE'	HURON SUNRISE EULALIA	2 GAL.		FULL
MIS MOR	123	MISCANTHUS SINENSIS 'MORNING LIGHT'	MORNING LIGHT MAIDEN GRASS	18"	18"	FULL
MYR CER	171	MYRICA CERIFERA	WAX MYRTLE	36" MIN.	18"-24"	FULL
NAN COM	97	NANDINA DOMESTICA 'COMPACTA'	COMPACTA HEAVENLY BAMBOO	18-24"	12-18"	FULL TO GROUND, 3.5 O.C.
NAN HAR	281	NANDINA DOMESTICA 'HARBOUR DWARF'	DWARF HEAVENLY BAMBOO	12"-15"	12"-15"	FULL,
PEN ALH	300	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	12"-18"	12"-18"	FULL, 1.5' O.C., CONT., FOUNDATION
PEN KRO	393	PENNISETUM ORIENTALE "KARLY ROSE'	KARLY ROSEFOUNTAIN GRASS	12-18"	12-18"	FULL,
RHA ELE	625	RHAPHIOLEPIS UMBELLATA 'ELEANOR TABOR'	ELEANORE TABOR HAWTHORNE	18-24"	12-18"	FULL

SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT.	SPR.	SPACING	REMARKS
JUN SHO	28	JUNIPERUS CONFERTA	SHORE JUNIPER	3 GAL			55" o.c.	
JUN BAR	374	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	1 GAL	6-8"	10-15"	54" o.c.	FULL

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT.	SPR.	SPACING	REMARKS
JUN SH2	123	JUNIPERUS CONFERTA	SHORE JUNIPER	CONT.			36" o.c.	
LIR GIA	190	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT BORDER GRASS	1 GAL	6-8"	4-6"	20" o.c.	FULL. CUT IN HALF IF NECESSARY

PLANT SPECIES SELECTION TO MEET CITY OF WILMINGTON XERIC LANDSCAPE REQUIREMENTS ARE REFERENCED IN 'XERISCAPE NORTH CAROLINA BY DR. DOUGLAS F. WELSH'.

Overall Code Compliant Plant Schedule 01

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Raleigh, NC 27603
919/833-6413
919/836-1280 FAX
ClineDesignAssoc.com

Tribute Companies
Arboretum West
Wilmington, North Carolina

Construction Drawings

CLINE DESIGN ASSOCIATES, PA
REGISTERED LANDSCAPE ARCHITECTURAL CORPORATION
C-143
RALEIGH, NC

NORTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
No. 395
MICHAEL LATTNER
11-12-19

PROJECT: 018105
DATE: 12.21.2018

REVISIONS:	DATE
02.08.2019 Comments	
03.20.2019 Comments	
04.11.2019 Signatures	
11.12.2019 Street Rev.	

DRAWN BY: CT
CHECKED BY: MWL

Code
Landscape Schedules

LP2.00

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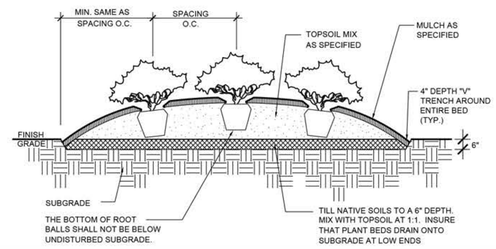
GENERAL NOTES:

1. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
2. BACKFILL PLANTING PIT WITH SPECIFIED PLANTING SOIL MIXTURE (OR AMENDED SOIL) IN 6" LAYERS, HAND-TAMPED, TO REMOVE VOIDS.
3. WHEN PLANTING PIT IS 2/3 BACKFILLED, WATER MATERIAL.
4. AFTER PLACING AND HAND-TAMPING FINAL LAYERS, WATER AGAIN UNTIL NO MORE IS ABSORBED.

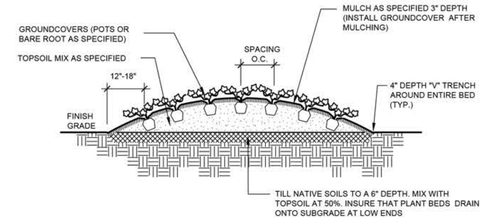


Typical Shrub Planting 05

NOT TO SCALE

GENERAL NOTES:

1. THOROUGHLY TILL IN PLANTING MIXTURE AMENDMENTS TO A DEPTH OF 8" IN ENTIRE BED AREA.
2. WORK SOIL TO A LOOSE, UNIFORM TEXTURE.
3. HAND-TAMP BACKFILL TO REMOVE VOIDS/AIR POCKETS.
4. WATER IMMEDIATELY AFTER INSTALLATION UNTIL NO MORE WATER IS ABSORBED.

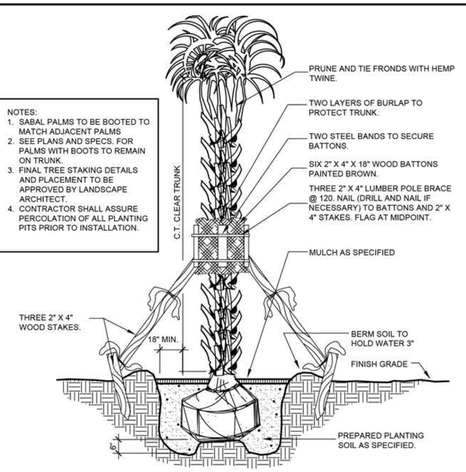


Typical Groundcover Planting 02

NOT TO SCALE

NOTES:

1. SABAL PALMS TO BE BOOTED TO MATCH ADJACENT PALMS
2. SEE PLANS AND SPECS. FOR PALMS WITH BOOTS TO REMAIN ON TRUNK.
3. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY LANDSCAPE ARCHITECT.
4. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

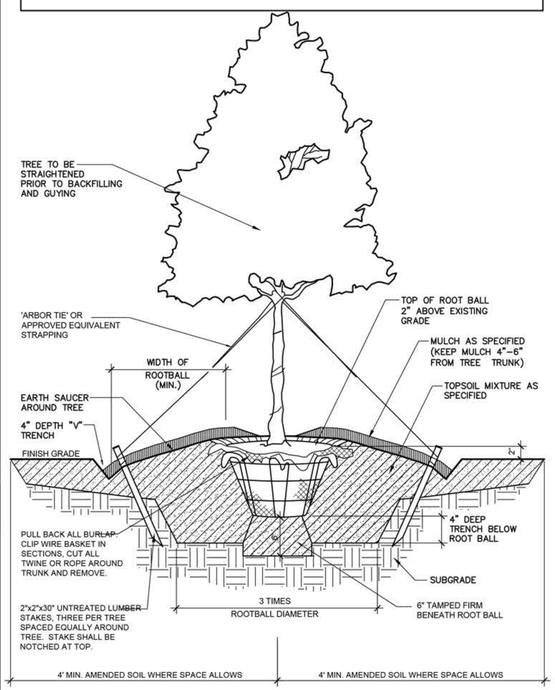


Sabal Palm Planting 07

NOT TO SCALE

GENERAL NOTES:

1. PLANT SO THAT TOP OF ROOT BALL IS 2" ABOVE FINISH GRADE.
2. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
3. BACKFILL TREE PIT WITH SPECIFIED PLANTING SOIL MIXTURE (OR AMENDED SOIL) IN 6" LAYERS, HAND-TAMPED, TO REMOVE VOIDS.
4. WHEN PLANTING PIT IS 2/3 BACKFILLED, WATER MATERIAL.
5. AFTER PLACING AND HAND-TAMPING FINAL LAYERS, WATER AGAIN UNTIL NO MORE IS ABSORBED.
6. STAKE AND GUY TREES IF APPLICABLE. (TREES 3" CALIPER AND LARGER OR IN WINDY CONDITIONS AS DIRECTED BY LANDSCAPE ARCHITECT.)
7. DO NOT WRAP TREE TRUNKS.



Typical Tree Planting 04

NOT TO SCALE

1. VERIFICATION OF TOTAL LANDSCAPE MATERIAL QUANTITIES AS SHOWN ON THE LANDSCAPE PLANS AND IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO FINAL BIDDING OR INSTALLATION.
2. ALL LANDSCAPE MATERIALS SHALL CONFORM TO THE ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
3. LANDSCAPE MATERIAL PLACED IN PREPARED HOLES SHALL BE PROPERLY BACKFILLED PRIOR TO THE END OF THE WORKING DAY.
4. ALL SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION.
5. ALL PREPARED GROUND COVER AND ANNUAL BED INSTALLATIONS SHALL BE PROPERLY SOAKED AND MULCHED PRIOR TO THE END OF THE DAY.
6. LANDSCAPE ARCHITECT SHALL APPROVE ANY ON-SITE PLANT STORAGE AREA FOR ACCESSIBILITY, SHADE CONDITIONS, HEALING-IN MULCH MATERIAL AND TEMPORARY WATERING METHODS.
7. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED BY HAND PRIOR TO PLACEMENT AND BACK FILLING WITH PREPARED SOILS. HAND TOOLS ARE NOT TO BE USED TO SCARIFY ROOT BALLS.
8. ALL ROPE AND WRAPPING TWINE SHALL BE CUT AND REMOVED FROM AROUND THE UPPER PARTS OF THE ROOT BALL. METAL BASKET WIRES AND BURLAP SHALL BE PULLED BACK AND TUCKED UNDER THE EDGES OF THE SAUCER RINGS ON ALL TREES AND LARGE SHRUBS. ALL SYNTHETIC BURLAP SHALL BE REMOVED FROM PLANT BALLS PRIOR TO BACK FILLING.
9. ALL PLANT BEDS OR RAISED SAUCER RINGS SHALL BE EDGED WITH SMOOTH, CONTINUOUS CURVES. PINE STRAW MULCH, IF SPECIFIED, SHALL BE ROLLED AND TUCKED ALONG PLANT BED EDGE.
10. ALL PLANT MATERIAL SHALL BE PLANTED AT HEIGHTS AS ILLUSTRATED IN PLANT DETAILS.
11. TREE GUYING SHALL BE PERFORMED WITHIN A WEEK OF PLANTING. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TREE GUYING STRAPPING AND STAKES AFTER THE FIRST FULL GROWING SEASON OR ONE YEAR, WHICH EVER COMES FIRST.
12. CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PLANTING. ANY EXPOSED OR UNCOVERED LINES SHALL BE SHOWN TO GENERAL CONTRACTOR PRIOR TO BACKFILLING.
13. ALL PLANT BEDS AND RAISED SAUCER RINGS SHALL BE GRADED TO PROVIDE ADEQUATE DRAINAGE AND SHALL BE MULCHED AS SPECIFIED.
14. ALL MATERIALS, PLANTING AND LANDSCAPE WORK SHALL CONFORM TO THE CURRENT MUNICIPAL AUTHORITY'S STANDARD SPECIFICATIONS AND DETAILS.
15. ALL LANDSCAPE AREAS THAT ARE NOT PLANTED AND MULCHED OR PAVED SHALL BE SEEDED OR SODDED.
16. TREE PROTECTION FENCE SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO THE ISSUANCE OF ANY GRADING OR OTHER PERMITS.
17. FIRST YEAR PRUNING OF TREE CROWN SHALL BE LIMITED TO REMOVAL OF DEAD & DAMAGED WOOD.
18. TREE PROTECTION FENCE SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO CLEARING, GRADING, AND CONSTRUCTION ACTIVITY OR THE ISSUANCE OF ANY RELATED PERMITS. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
19. MULCH LINE SMOOTH CONTINUOUS CURVES. CLEAR OUT FIRST 5' FROM DEBRIS AND UNDERBRUSH (TYP) AT AREAS OF EXISTING VEGETATION TO REMAIN.
20. ALL TREES NOT WITHIN A PLANT BED TO BE TREATED WITH A 6' DIAMETER MULCH RING (TYP).

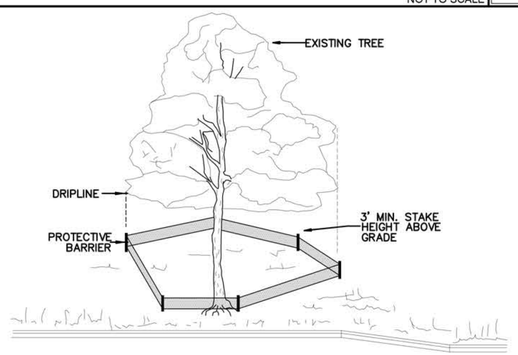
General Landscape Notes 01

NOT TO SCALE

1. No plantings over thirty (30) inches in height allowed in vision clearance.
2. Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
3. Owner is responsible for maintenance to ensure plant material lives and prospers.
4. Planting plans shall be approved by Landscape Designer prior to installation.
5. Landscaping shall be required at the ends of all parking rows.
6. A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
7. Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
8. A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
9. For recommended Plant List see "Landscape" T-10.4.

LANDSCAPE NOTES
SD 15-14

City of Wilmington Landscape Notes 09



NOTE:
TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE.
DRIP LINE – THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.

METHOD OF TREE PROTECTION DURING CONSTRUCTION
SD 15-08
NOT TO SCALE

Tree Protection Fencing 06

NOT TO SCALE

THE OWNERS SHALL BE RESPONSIBLE FOR ANNUAL MAINTENANCE OF THE VEGETATION TO INCLUDE BUT NOT LIMITED TO:

A. FERTILIZATION - ALL FESCUE TURFGRASS IS FERTILIZED AT THE TIME OF RENOVATION, TYPICALLY DURING THE LAST WEEK OF SEPTEMBER OR THE FIRST WEEK OF OCTOBER WITH 3/4 LB. NITROGEN, 1 LB PHOSPHOROUS, 1/2 LB POTASH PER 1000 SQ. FT. ONE MONTH LATER WE FERTILIZE AGAIN WITH 1 LB. NITROGEN, A TRACE OF PHOSPHOROUS AND 1 LB. POTASH PER 1000 SQ. FT. THE SAME FERTILIZER AND RATES ARE APPLIED AGAIN IN FEBRUARY. TREES AND SHRUBBERY ARE FERTILIZED WITH AN ORGANIC FERTILIZER AT THE TIME OF PLANTING. ALL SHRUBS AND RECENTLY PLANTED TREES ARE FERTILIZED IN JANUARY WITH A COATED SLOW RELEASE FERTILIZER (12-14-14) AT THE APPROXIMATE RATE OF 1 LB. OF ACTUAL NUTRIENT PER 1000 SQ. FT.

B. PRUNING - TYPICALLY TREES ARE PRUNED ONLY TO REPAIR DAMAGE OR TO CORRECT FAULTS. HEDGES AND SHAPED SHRUBS ARE TYPICALLY PRUNED TWICE DURING THE GROWING SEASON. OVERGROWN SHRUBS ARE PRUNED IN THE SPRING AND JUST PRIOR TO THE FIRST GROWTH FLUSH.

C. PEST CONTROL - INSECTS ARE TREATED AS NECESSARY. LANDSCAPE CONTRACTOR FOR MAINTENANCE SHALL RECOMMEND PRODUCTS.

D. MULCHING - THE IMMEDIATE ROOT ZONES OF ALL TREES AND SHRUBS ARE MULCHED WITH SHREDDED HARDWOOD MULCH 3" THICK. SEASONAL COLOR BEDS ARE MULCHED WITH PINE BARK MULCH TO A DEPTH OF 1/4" TO 1/2".

E. MOWING - FESCUE LAWNS ARE MOWED ONCE WEEKLY, OCTOBER THRU FEBRUARY. MARCH THRU JUNE THEY ARE MOWED TWICE WEEKLY. JULY THRU SEPTEMBER MOWING IS DONE ONE EVERY FIVE TO SEVEN DAYS.

F. OTHER CONTINUING MAINTENANCE OPERATIONS WOULD INCLUDE SEASONAL COLOR PLANTINGS (FLOWERS). THESE PLANTINGS ARE DONE TWICE ANNUALLY, IN MAY AND AGAIN IN OCTOBER. THE PREVIOUS SEASONS FLOWERS ARE PULLED, THE BEDS ARE LIMED ACCORDING TO SOIL TEST RECOMMENDATIONS, FERTILIZED WITH ORGANIC FERTILIZER, PLANTED, MULCHED, WATERED, AND TREATED WITH A PRE-EMERGENT HERBICIDE.

Landscape Maintenance Notes 03

NOT TO SCALE

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

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED_____

Approved Construction Plan

	Name	Date
Planning		
Public Utilities		
Traffic		
Fire		

City of Wilmington Approvals 00

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TRC Review

C. CLINE DESIGN ASSOCIATES, PA
LANDSCAPE ARCHITECTURE
C-143
RALEIGH, NC

NORTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
No. 395
MICHAEL LATTNER
4-11-19

PROJECT: 018105
DATE: 12.21.2018

REVISIONS:	DATE
02.08.2019 Comments	
03.20.2019 Comments	
04.11.2019 Signatures	

DRAWN BY: CT
CHECKED BY: MWL

Landscape Details

LP2.10

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