

LEGEND:

- A** EXISTING MALL
 - B** NEW MULTI-FAMILY
 - C** 5/3 BANK (BY OTHERS)
 - D** EXISTING HARRIS-TEETER
 - E** EXISTING GAS STATION
 - F** EXISTING SUN TRUST BANK (TRUIST)
-
- 1** RETAIL GREEN
 - 2** PROPOSED OUTPARCEL SITE
 - 3** PROPOSED OUTPARCEL SITE
 - 4** PROPOSED KIOSK
 - 5** PROPOSED KIOSK
 - 6** NEW MALL ENTRANCE
 - 7** PROPOSED WETLAND AREA

PH 1D SITE CALCULATIONS:

PARKING

A MIN. OF 20% OF NEW SURFACE PARKING SPACES PROVIDED WILL BE PRE-WIRED FOR ELECTRIC CHARGING STATIONS AND 3% OF SPACES WILL BE EQUIPPED WITH CHARGING STATIONS PER UNIVERSITY DESIGN STANDARDS.

| | |
|--|-------------|
| NEW PARKING PROVIDED | 25 SP |
| REQUIRED # OF ELECTRIC CHARGING STATIONS ¹ : (NEW PARKING SPACES * 3% MIN) | 0 SP |
| PROVIDED # OF ELECTRIC CHARGING STATIONS: | 0 SP |
| REQUIRED # OF SPACES PRE-WIRED FOR ELECTRIC CHARGING: (NEW PARKING SPACES * MIN 20%) | 5 SP |
| PROVIDED # OF ELECTRIC CHARGING STATIONS: | 5 SP |

OUTDOOR AMENITY SPACE

REQUIRED OUTDOOR AMENITY SPACE (OAS)

| | |
|-------------------------|------------|
| SITE AREA BY POD | |
| POD A +/- | 118,982 SF |
| POD B +/- | 629,964 SF |
| POD C +/- | 302,602 SF |
| POD D +/- | 343,599 SF |
| POD E +/- | 56,135 SF |

| | |
|---------------------------|------------|
| SITE AREA BY PHASE | |
| PH 1A +/- | 133,216 SF |
| PH 1B/1C +/- | 456,270 SF |
| PH 1D +/- | 196,619 SF |

TOTAL SITE AREA (TSA)*: +/- 1,890,243 SF
*GROSS LAND AREA WILL NOT MATCH TOTAL OF INDIVIDUAL PODS/PHASES.

OAS BY POD
*PER UNIVERSITY DESIGN STANDARDS, EACH INDIVIDUAL POD SHALL BE REQUIRED TO PROVIDE OUTDOOR AMENITY SPACE AT A MIN. 3.6% OF POD AREA. THE BELOW CALCULATIONS ARE BASED ON CURRENT SITE THROUGH PHASE 1D AND DOES NOT INCLUDE POTENTIAL SUBSEQUENT PHASE DATA.

| | |
|---------------------------------------|----------------------|
| POD A | +/- 9,683 SF |
| PERCENT OF POD | +/- 8.14% |
| POD B | +/- 36,180 SF |
| PERCENT OF POD: | +/- 5.74 % |
| POD C | +/- 24,192 SF |
| PERCENT OF POD: | +/- 7.99 % |
| POD D | +/- 8,816 SF |
| PERCENT OF POD: | +/-2.57 % |
| POD E | +/- 10,978 SF |
| PERCENT OF POD: | +/- 19.56 % |
| TOTAL OPEN AMENITY SPACE: | +/- 89,849 SF |
| PERCENT OF TSA: | +/- 4.75% |
| OUTDOOR AMENITY SPACE BY PHASE | |
| PREVIOUS ZCP | +/- 10,032 SF |
| PHASE 1A | +/- 9,683 SF |
| PER PHASE | +/-7.27 % |
| CUMULATIVE TOTAL: | +/- 19,715 SF |
| CUMULATIVE % OF TSA: | +/- 1.04 % |
| PHASE 1B/1C | +/- 45,942 SF |
| PER PHASE | +/-10.07 % |
| CUMULATIVE TOTAL: | +/- 65,657 SF |
| CUMULATIVE % OF TSA: | +/- 3.47 % |
| PHASE 1D | +/- 24,192 SF |
| PER PHASE | +/- 12.30 % |
| CUMULATIVE TOTAL: | +/- 89,849 SF |
| CUMULATIVE % OF TSA: | +/- 4.75% |

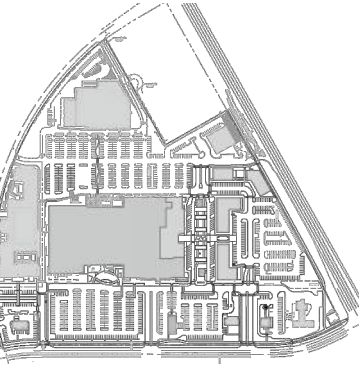
BICYCLE PARKING

| | |
|---|-------------|
| TOTAL REQUIRED SPACES: (20,635 SF/2,500 SF COMMERCIAL USES) | 9 SP |
| CLASS I REQ.: (80% OF TOTAL REQUIRED) | 7 SP |
| CLASS I SPACES PROVIDED: | 7 SP |
| CLASS II BICYCLE PARKING REQ.: (20% OF TOTAL REQUIRED) | 2 SP |
| CLASS II SPACES PROVIDED: | 2 SP |

NOTES:

- PROPOSED PARKING ALONG THE INTERNAL MAIN STREET DRIVEWAY SHALL BE EXEMPT FROM ELECTRIC VEHICLE REQUIREMENTS.
- ELECTRIC VEHICLE CHARGING STATIONS ARE NOT REQUIRED FOR PHASE 1D BECAUSE THERE ARE LESS THAN 50 NEW, MODIFIED SPACES PROVIDED.
- EACH POD SHALL BE REQUIRED TO PROVIDE OUTDOOR AMENITY SPACE AT A MINIMUM 3.6% OF POD AREA.

KEY MAP



SEAL

PRELIMINARY - FOR REVIEW ONLY -

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ENGINEER REG.# DATE

1019418 4/20/22

PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

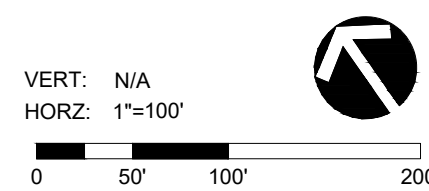
LANDDESIGN PROJ# 1019418

REVISION / ISSUANCE

| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH





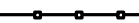



SHEET TITLE

OVERALL PROPOSED SITE PLAN

SHEET NUMBER

G0-10

LANDSCAPE DISPOSITION SCHEDULE

-  EXISTING TREE TO REMAIN
-  EXISTING TREE TO BE REMOVED
-  PROPOSED TREE PROTECTION FENCE
-  EXISTING TO REMAIN
-  EXISTING TO BE REMOVED
-  PROPOSED

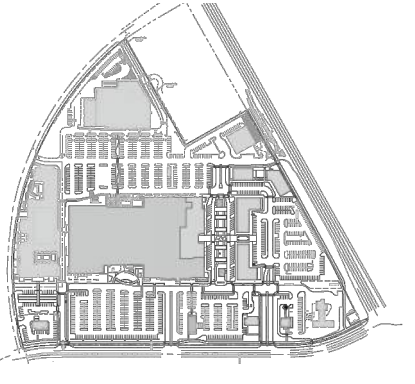
PH 1D TREE CALCULATIONS:

| | |
|----------------------|------------|
| EXISTING CANOPY (SF) | +/- 36,540 |
| TO REMOVED (SF) | +/- 15,651 |
| TO REMAIN (SF) | +/- 20,889 |

NOTES:

1. ALL WORK IS SUBJECT TO COMPLIANCE WITH THE TOWN OF CHAPEL HILL TREE PROTECTION ORDINANCE.
2. THE LOCATION AND EXTENT OF TREE PROTECTION FENCING IS DETERMINED BY EXISTING SITE CONSTRAINTS AND SHALL BE MAINTAINED DURING ALL CONSTRUCTION ACTIVITIES.
3. A PRE-CONSTRUCTION CONFERENCE WITH THE TOWN'S URBAN FORESTER OR LANDSCAPE ARCHITECT SHALL TAKE PLACE TO REVIEW PROCEDURES FOR PROTECTION AND MANAGEMENT OF ALL PROTECTED LANDSCAPE ELEMENTS IDENTIFIED ON THE LANDSCAPE PROTECTION PLAN.
4. THE APPLICANT SHALL DESIGNATE ONE OR MORE PERSONS AS LANDSCAPE PROTECTION SUPERVISORS WHO HAVE COMPLETED INSTRUCTION IN LANDSCAPE PROTECTION PROCEDURES WITH THE TOWN.
5. IT SHALL BE THE DUTY OF THE LANDSCAPE PROTECTION SUPERVISOR TO ENSURE THE PROTECTION OF NEW OR EXISTING LANDSCAPE ELEMENTS, AS DEFINED IN THE LANDSCAPE PROTECTION PLAN. THE APPROVED LANDSCAPE PROTECTION SUPERVISOR SHALL SUPERVISE ALL SITE WORK TO ASSURE THAT DEVELOPMENT ACTIVITY CONFORMS TO PROVISIONS OF THE APPROVED LANDSCAPE PROTECTION PLAN. AT LEAST ONE (1) IDENTIFIED LANDSCAPE PROTECTION SUPERVISOR SHALL BE PRESENT ON THE DEVELOPMENT SITE AT ALL TIMES WHEN ACTIVITY THAT COULD DAMAGE OR DISTURB SOIL AND ADJACENT LANDSCAPE ELEMENTS OCCURS.
6. REFER TO TREE PROTECTION DETAIL ON SHEET L4-20.

KEY MAP



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PROJECT

**UNIVERSITY
PLACE PHASE 1D**

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

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DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE

VERT: N/A
HORZ: 1"=100'

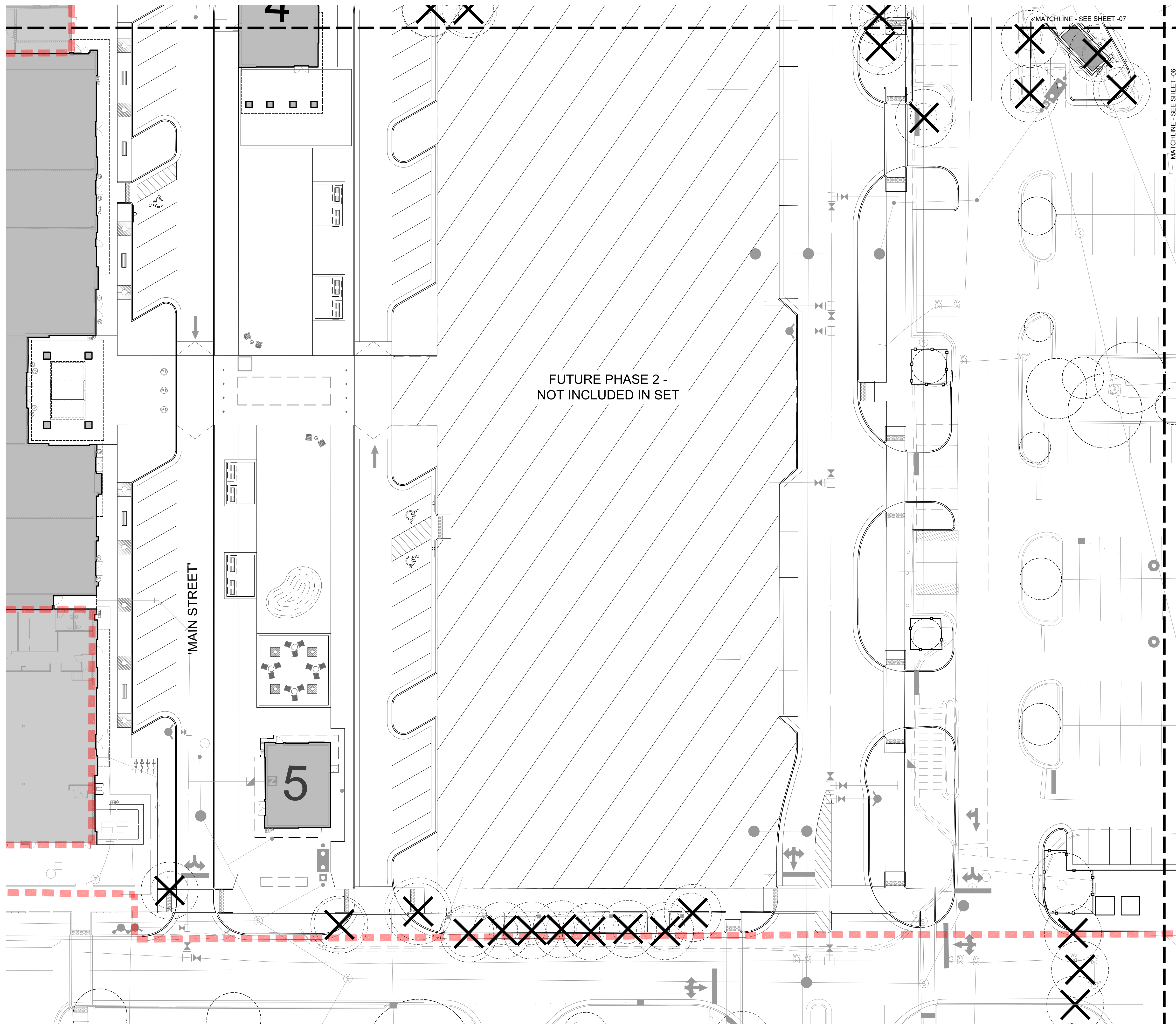
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SHEET TITLE







OVERALL TREE PROTECTION
+ LANDSCAPE DISPOSITION

SHEET NUMBER

G1-00



LANDSCAPE DISPOSITION SCHEDULE

-  EXISTING TREE TO REMAIN
-  EXISTING TREE TO BE REMOVED
-  PROPOSED TREE PROTECTION FENCE
-  EXISTING TO REMAIN
-  EXISTING TO BE REMOVED
-  PROPOSED

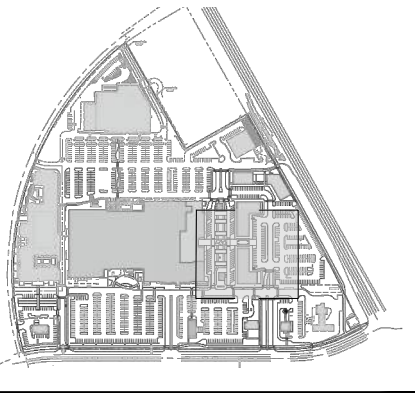
PH 1D TREE CALCULATIONS:

| | |
|----------------------|------------|
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| TO REMOVED (SF) | +/- 15,651 |
| TO REMAIN (SF) | +/- 20,889 |

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KEY MAP



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PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

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| 5 | ZCP | 08.24.2022 |







DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE: NORTH
VERT: N/A
HORZ: 1"=20'
0 10' 20' 40'

SHEET TITLE
TREE PROTECTION +
LANDSCAPE DISPOSITION
ENLARGEMENT 5

SHEET NUMBER
G1-05

LANDSCAPE DISPOSITION SCHEDULE

-  EXISTING TREE TO REMAIN
-  EXISTING TREE TO BE REMOVED
-  PROPOSED TREE PROTECTION FENCE
-  EXISTING TO REMAIN
-  EXISTING TO BE REMOVED
-  PROPOSED

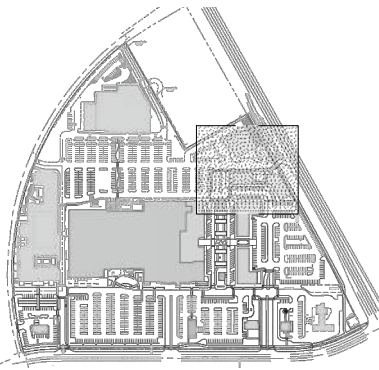
PH 1D TREE CALCULATIONS:

| | |
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| EXISTING CANOPY (SF) | +/- 36,540 |
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6. REFER TO TREE PROTECTION DETAIL ON SHEET L4-20.

KEY MAP



SEAL

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REG.# 4/21/22

ENGINEER DATE

PROJECT

**UNIVERSITY
PLACE PHASE 1D**

RAM REALTY

201 S ESTES DRIVE

CHAPEL HILL, NC 27514

LANDDESIGN PROJ# 1019418

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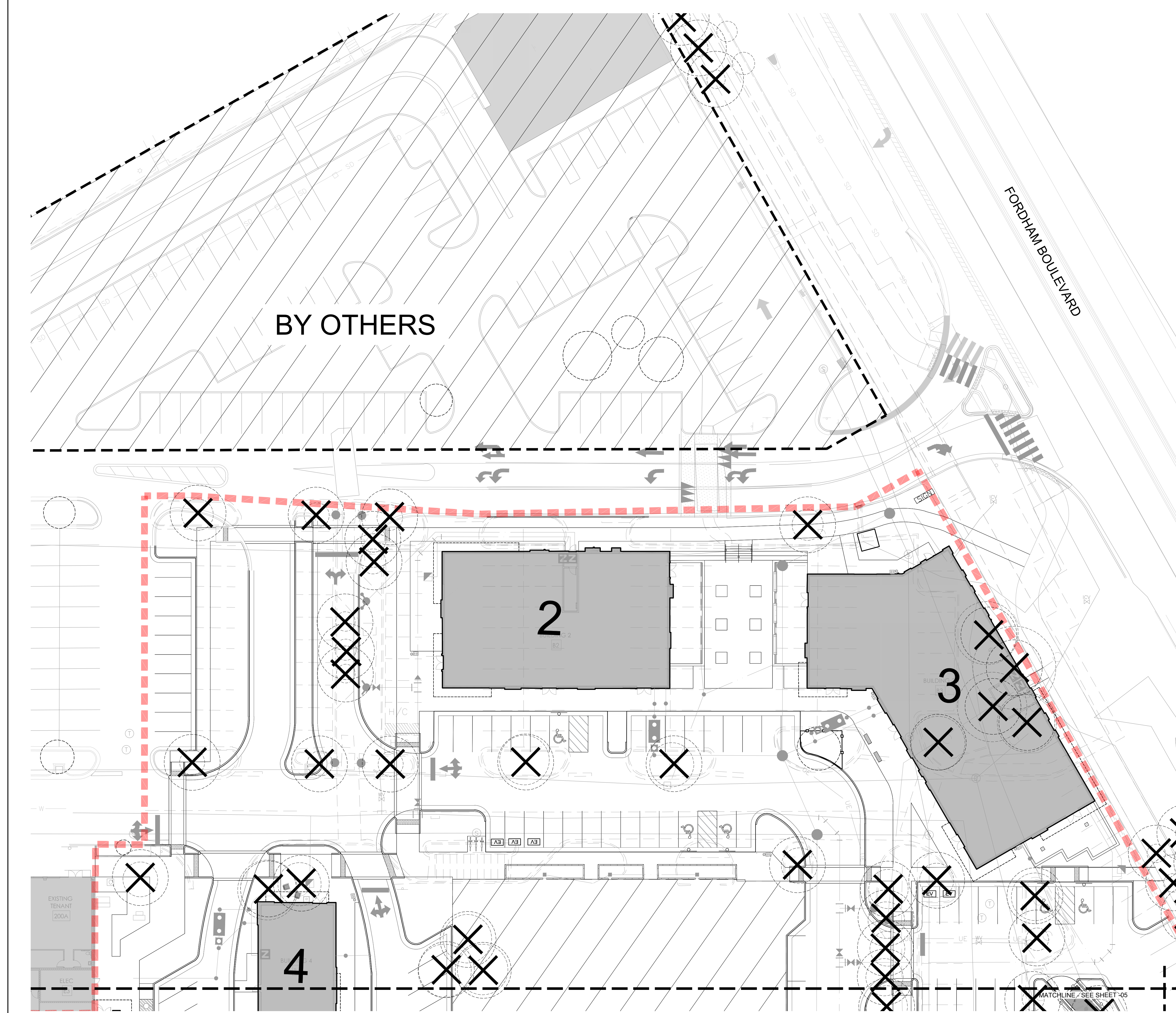
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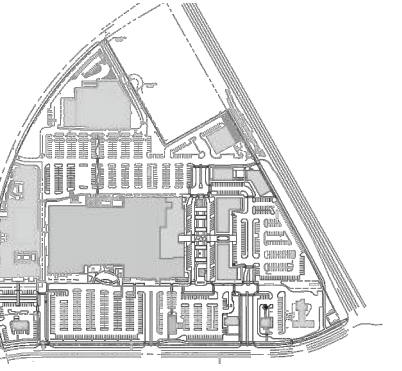
SHEET TITLE
**TREE PROTECTION +
LANDSCAPE DISPOSITION
ENLARGEMENT 7**

SHEET NUMBER

G1-07



KEY MAP



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PROJECT

**UNIVERSITY
 PLACE PHASE 1D**

RAM REALTY
 201 S ESTES DRIVE
 CHAPEL HILL, NC 27514

LANDESIGN PROJ.# 1019418

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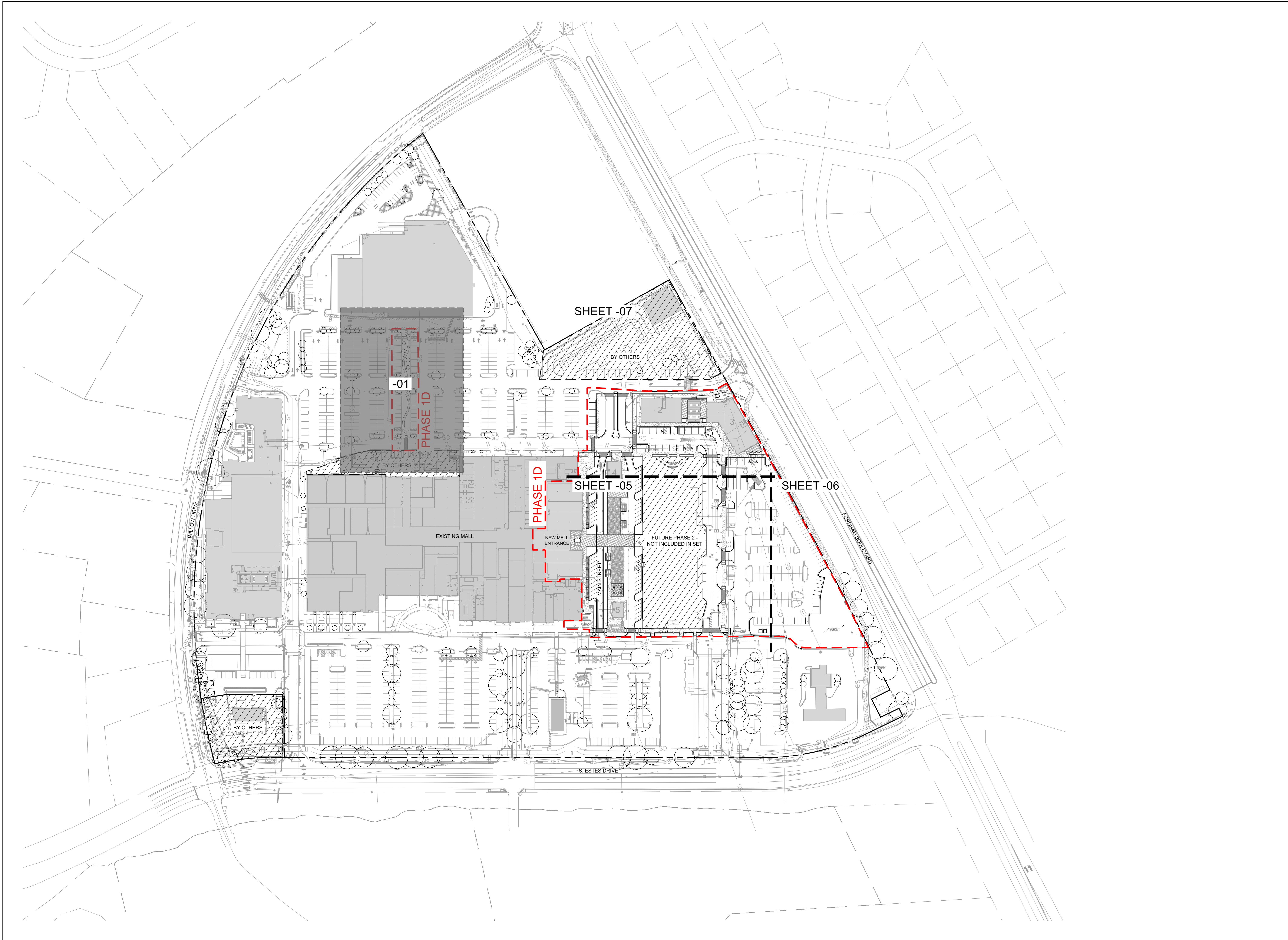
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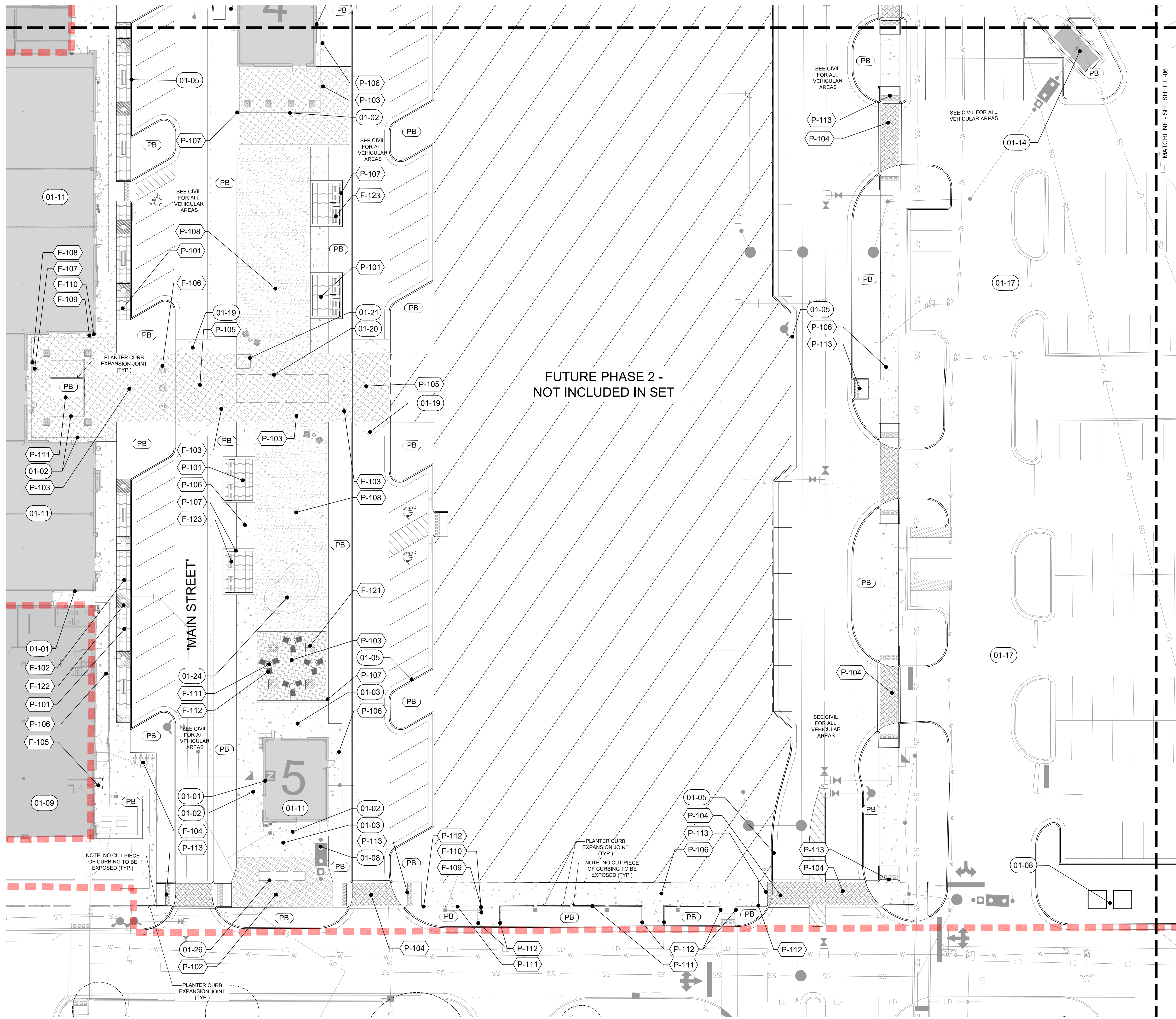
SHEET TITLE

OVERALL MATERIALS PLAN

SHEET NUMBER

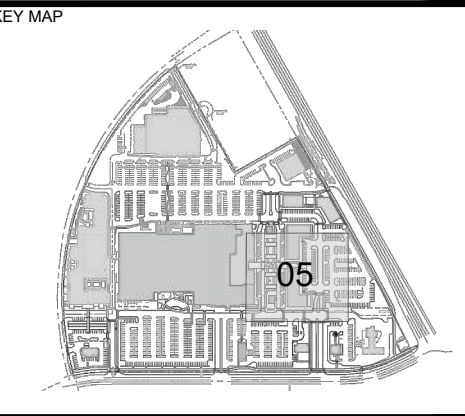
L1-00





REFERENCE NOTES SCHEDULE

| SYMBOL | GENERAL NOTES DESCRIPTION | DETAIL |
|----------|---|---------|
| (01-01) | BUILDING EDGE, SEE ARCH. | |
| (01-02) | OVERHEAD STRUCTURE, SEE ARCH. | |
| (01-03) | TENANT PATIO FURNITURE BY OTHERS | |
| (01-04) | PROPOSED CURB, SEE CIVIL. | |
| (01-05) | PROPOSED UTILITIES, SEE CIVIL. | |
| (01-06) | EXISTING BUILDING | |
| (01-07) | PROPOSED BUILDING, SEE ARCH. | |
| (01-08) | PROPOSED CURBLESS CONDITION, SEE CIVIL. | |
| (01-09) | PROPOSED TRASH + RECYCLING LOCATION | |
| (01-10) | PRE-WIRED ELECTRIC VEHICLE CHARGING SPACE PER COORDINATION W/ OWNER, TYP. | |
| (01-11) | EXISTING PAVEMENT TO REMAIN | |
| (01-12) | ACCESSIBLE PARKING SIGNAGE, SEE CIVIL. | |
| (01-13) | VEHICULAR RAMP, SEE CIVIL. | |
| (01-14) | ADA ALTERNATE INTERACTIVE WATER FEATURE | 24.7-02 |
| (01-15) | RFW RESERVOIR TANK FOR INTERACTIVE WATER FEATURE | |
| (01-16) | EXISTING SIGN, RELOCATED | |
| (01-17) | ARTIFICIAL TURF MOUNDS | 54.7-01 |
| (01-18) | TREE IN WOOD PAVING, TYP. | 94.7-01 |
| (01-19) | SEE CIVIL FOR ALL VEHICULAR AREAS | |
| (01-20) | SEE CIVIL FOR ALL VEHICULAR AREAS | |
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| (01-200) | SEE CIVIL FOR ALL VEHICULAR AREAS | |



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| SYMBOL | MISCELLANEOUS DESCRIPTION | DETAIL |
|---------|----------------------------------|---------|
| (M-101) | PERFORATED PIPE, REFER TO CIVIL. | |
| (M-102) | PAVING AND CURB DESCRIPTION | |
| (P-101) | PEDESTRIAN PAVERS 1 | 24.7-00 |
| (P-102) | PEDESTRIAN PAVERS 2 | 24.7-00 |
| (P-103) | PEDESTRIAN PAVERS 3 | 24.7-00 |
| (P-104) | STAMPED HEAVY-DUTY CONCRETE | 84.7-00 |
| (P-105) | VEHICULAR PAVERS | 14.7-00 |
| (P-106) | CONCRETE PAVING | 14.7-00 |
| (P-107) | CONCRETE BANDING | 44.7-00 |
| (P-108) | ARTIFICIAL TURF | 64.7-00 |
| (C-101) | PLANTER CURB | 14.7-01 |
| (C-102) | PLANTER CURB 30" TAPERED SECTION | 14.7-01 |
| (C-103) | CURB RAMP - TRUNCATED DOMES | 14.7-01 |
| (W-101) | WALLS AND STAIRS DESCRIPTION | |
| (W-102) | CIP CONCRETE STAIRS + HANDRAIL | 84.7-01 |
| (W-103) | SEAT WALL STAIRS | 94.7-01 |
| (PB) | PLANTING BED | |

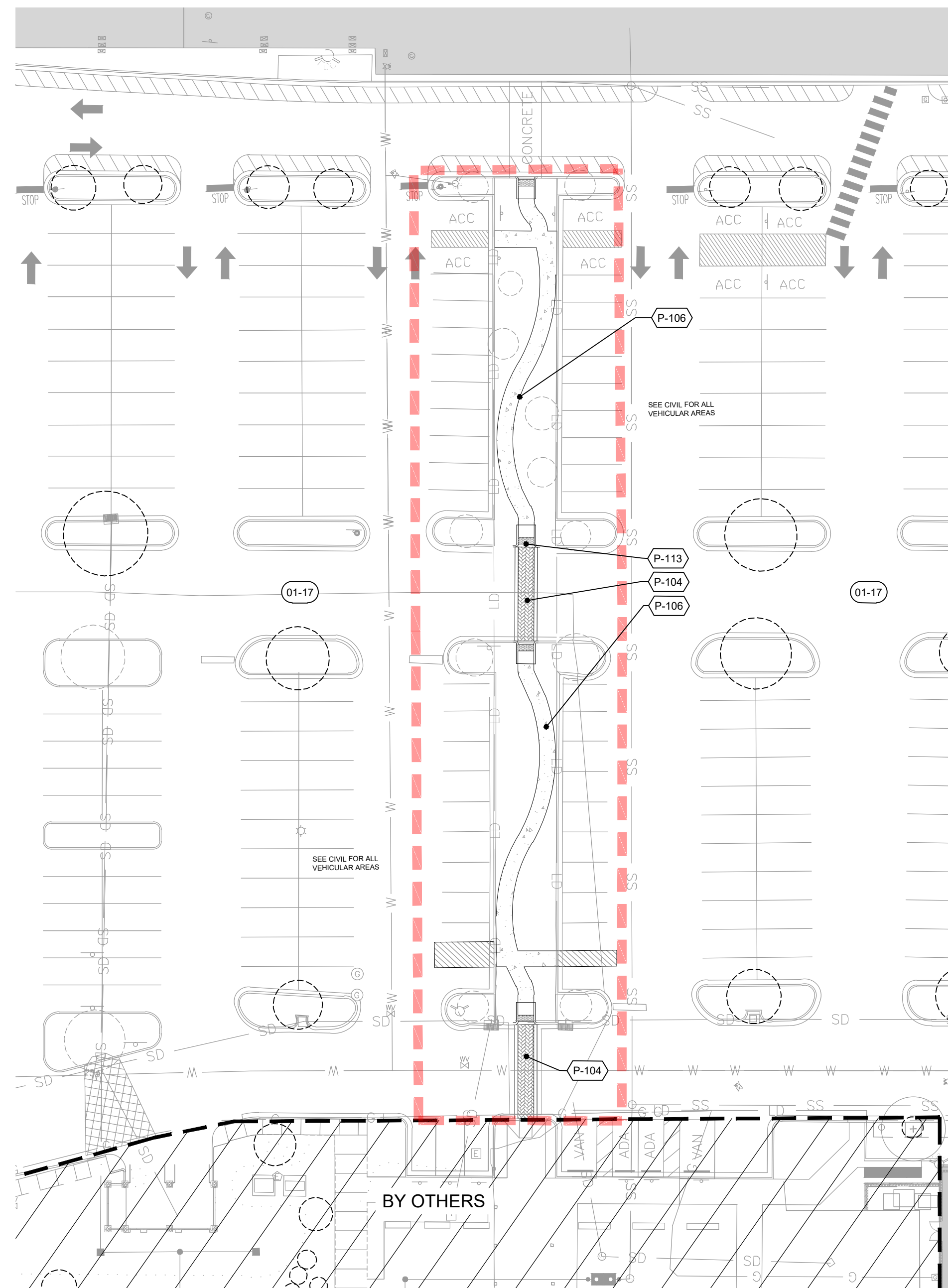
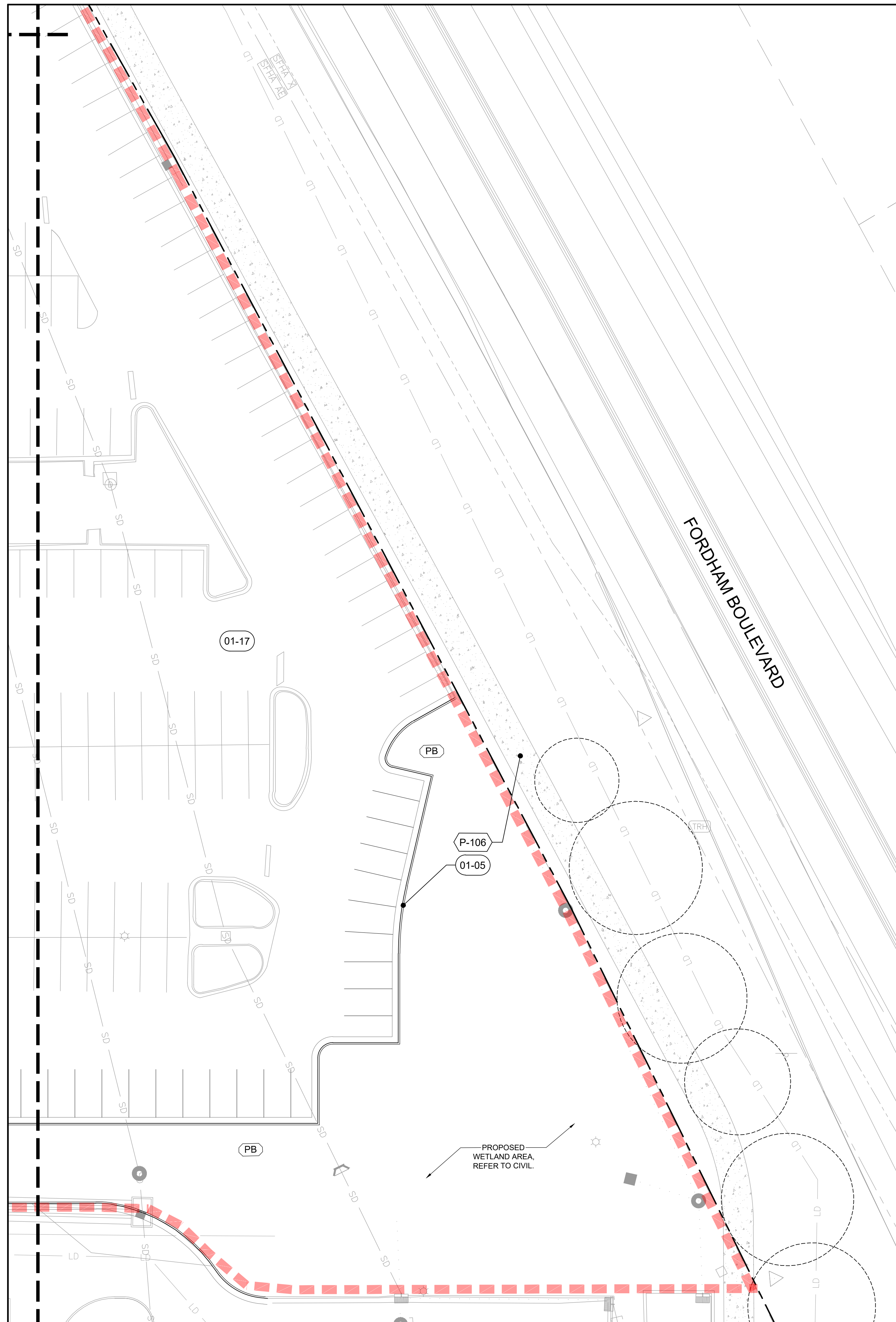
NOTE: AN OVERALL MATERIALS SCHEDULE WAS CREATED FOR PHASES 1B-1D. ANY MISSING REFERENCE NUMBERS DO NOT OCCUR IN THIS PHASE.

UNIVERSITY PLACE PHASE 1D
RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

| REVISION / ISSUANCE | | |
|---------------------|--------------------|------------|
| NO. | DESCRIPTION | DATE |
| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM
SCALE: NORTH
VERT: N/A
HORZ: 1"=20'
0 10 20 40'

SHEET TITLE: MATERIALS PLAN ENLARGEMENT 5
SHEET NUMBER: L1-05

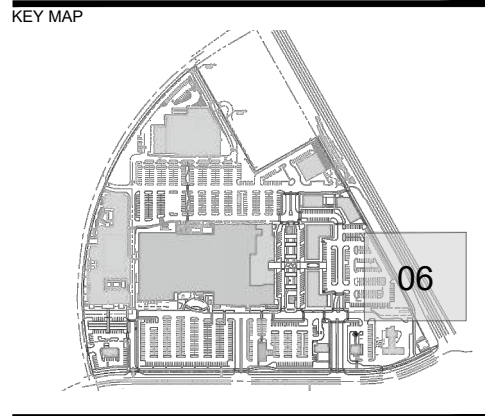


ENLARGEMENT -01

REFERENCE NOTES SCHEDULE

| SYMBOL | GENERAL NOTES DESCRIPTION | DETAIL |
|---------|---|---------|
| (E-01) | BUILDING EDGE, SEE ARCH. | |
| (E-02) | OVERHEAD STRUCTURE, SEE ARCH. | |
| (E-03) | TENANT PATIO FURNITURE BY OTHERS | |
| (E-04) | PROPOSED CURB, SEE CIVIL. | |
| (E-05) | PROPOSED UTILITIES, SEE CIVIL. | |
| (E-06) | EXISTING BUILDING | |
| (E-07) | PROPOSED BUILDING, SEE ARCH. | |
| (E-08) | PROPOSED CURBLESS CONDITION, SEE CIVIL. | |
| (E-09) | PROPOSED TRASH + RECYCLING LOCATION | |
| (E-10) | PRE-WIRED ELECTRIC VEHICLE CHARGING SPACE PER COORDINATION W/ OWNER, TYP. | |
| (E-11) | EXISTING PAVEMENT TO REMAIN | |
| (E-12) | ACCESSIBLE PARKING SIGNAGE, SEE CIVIL. | |
| (E-13) | VEHICULAR RAMP, SEE CIVIL. | |
| (E-14) | ADJACENT ALTERNATE INTERACTIVE WATER FEATURE | 24.7-02 |
| (E-15) | RIF RESERVOIR TANK FOR INTERACTIVE WATER FEATURE | |
| (E-16) | EXISTING SIGN, RELOCATED | |
| (E-17) | ARTIFICIAL TURF MOUNDS | |
| (E-18) | TREE IN WOOD PAVING, TYP. | 54.7-01 |
| (E-19) | SEE CIVIL FOR ALL VEHICULAR AREAS | 54.7-01 |
| (F-100) | SITE FURNISHINGS DESCRIPTION | DETAIL |
| (F-101) | BENCH, TYP. | 24.7-03 |
| (F-102) | SECURITY BOLLARD, TYP. | 94.7-03 |
| (F-103) | SHORT TERM (CLASS B) BIKE PARKING, TYP. | 24.7-04 |
| (F-104) | LONG TERM (CLASS C) BIKE PARKING, TYP. | 24.7-04 |
| (F-105) | PLANTER POT 1 (36 IN. DIA.), TYP. | 54.7-03 |
| (F-106) | PLANTER POT 2 (36 IN. DIA.), TYP. | 54.7-03 |
| (F-107) | PLANTER POT 3 (24 IN. DIA.), TYP. | 54.7-03 |
| (F-108) | TIGER RECEPTACLE, TYP. | 14.7-04 |
| (F-109) | DOG WASTE STATION, TYP. | 44.7-04 |
| (F-110) | BISTRO TABLE, TYP. | 34.7-03 |
| (F-111) | BISTRO CHAIR, TYP. | 34.7-03 |
| (F-112) | ADIRONDACK CHAIR, TYP. | 14.7-03 |
| (F-113) | SMALL SIDE TABLE, TYP. | 84.7-03 |
| (F-114) | 4' X 4' CUSTOM TREE GRATE | 54.7-04 |
| (F-115) | 6' X 6' CUSTOM TREE GRATE | 54.7-04 |
| (F-116) | CUSTOM SWING BENCH | 14.7-02 |
| (F-117) | DRINK RAIL | 64.7-04 |
| (M-100) | MISCELLANEOUS DESCRIPTION | DETAIL |
| (M-101) | PERFORATED PIPE, REFER TO CIVIL. | |
| (P-100) | PAVING AND CURB DESCRIPTION | DETAIL |
| (P-101) | PEDESTRIAN PAVERS 1 | 24.7-00 |
| (P-102) | PEDESTRIAN PAVERS 2 | 24.7-00 |
| (P-103) | PEDESTRIAN PAVERS 3 | 24.7-00 |
| (P-104) | STAMPED HEAVY-DUTY CONCRETE | 84.7-00 |
| (P-105) | VEHICULAR PAVERS | 14.7-00 |
| (P-106) | CONCRETE PAVING | 14.7-00 |
| (P-107) | CONCRETE BANDING | 44.7-00 |
| (P-108) | ARTIFICIAL TURF | 64.7-00 |
| (C-101) | PLANTER CURB | 14.7-01 |
| (C-102) | PLANTER CURB 36" TAPERED SECTION | 14.7-01 |
| (C-103) | CURB RAMP + TRUNCATED DOMES | 14.7-00 |
| (S-100) | WALLS AND STAIRS DESCRIPTION | DETAIL |
| (W-100) | CIP CONCRETE STAIRS + HANDRAIL | 84.7-01 |
| (W-101) | SEAT WALL STAIRS | 94.7-01 |
| (PB) | PLANTING BED | |

NOTE: AN OVERALL MATERIALS SCHEDULE WAS CREATED FOR PHASES 1B-1D. ANY MISSING REFERENCE NUMBERS DO NOT OCCUR IN THIS PHASE.



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ENGINEER REG.# DATE
6/10/22

UNIVERSITY PLACE PHASE 1D

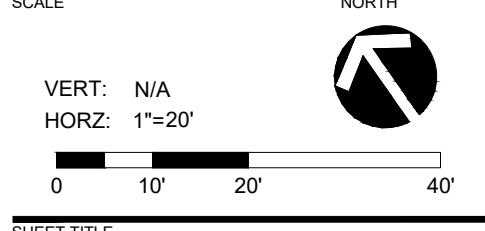
RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

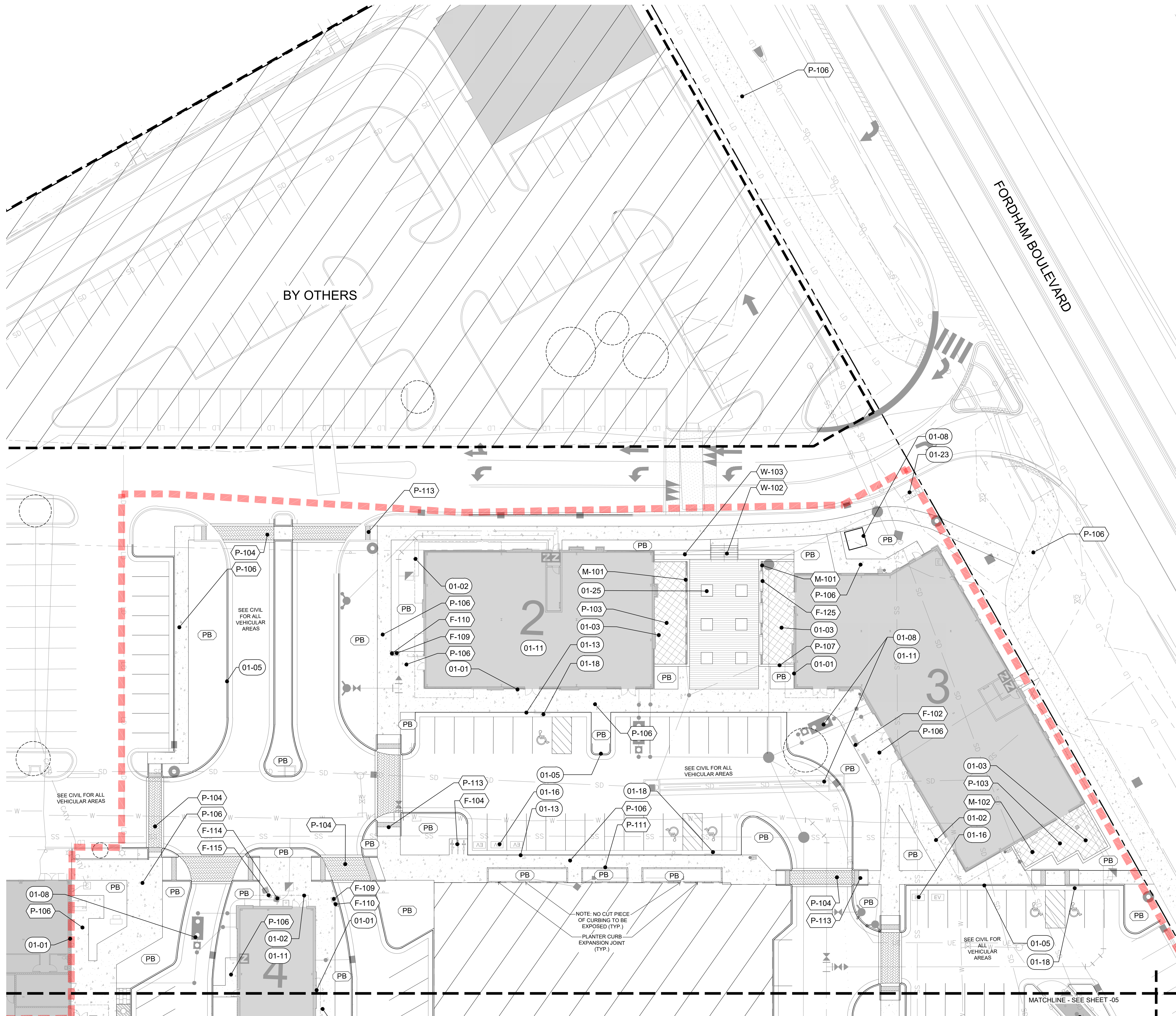
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| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM



MATERIALS PLAN ENLARGEMENT 6

SHEET NUMBER L1-06

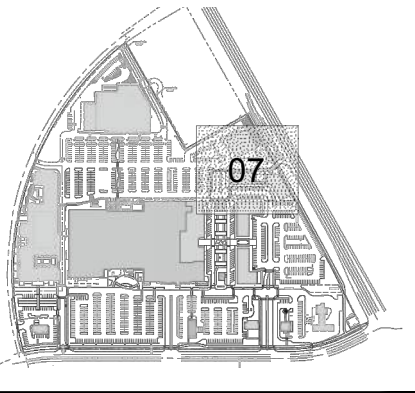


REFERENCE NOTES SCHEDULE

| SYMBOL | GENERAL NOTES DESCRIPTION | DETAIL |
|---------|---|---------|
| (01-01) | BUILDING EDGE. SEE ARCH. | |
| (01-02) | OVERHEAD STRUCTURE. SEE ARCH. | |
| (01-03) | TENANT PATIO FURNITURE BY OTHERS | |
| (01-04) | PROPOSED CURB. SEE CIVIL. | |
| (01-05) | PROPOSED UTILITIES. SEE CIVIL. | |
| (01-06) | EXISTING BUILDING | |
| (01-07) | PROPOSED BUILDING. SEE ARCH. | |
| (01-08) | PROPOSED CURBLESS CONDITION. SEE CIVIL. | |
| (01-09) | PROPOSED TRASH + RECYCLING LOCATION | |
| (01-10) | PRE-WIRED ELECTRIC VEHICLE CHARGING SPACE PER COORDINATION W/ OWNER. TYP. | |
| (01-11) | EXISTING PAVEMENT TO REMAIN | |
| (01-12) | ACCESSIBLE PARKING SIGNAGE. SEE CIVIL. | |
| (01-13) | VEHICULAR RAMP. SEE CIVIL. | |
| (01-14) | ADJACENT ALTERNATE INTERACTIVE WATER FEATURE | 24.7-02 |
| (01-15) | RWF RESERVOIR TANK FOR INTERACTIVE WATER FEATURE | |
| (01-16) | EXISTING SIGN. RELOCATED. | |
| (01-17) | ARTIFICIAL TURF MOUNDS | 54.7-01 |
| (01-18) | TREE IN WOOD PAVING. TYP. | 54.7-01 |
| (01-19) | SITE FURNISHINGS DESCRIPTION | DETAIL |
| (F-102) | BENCH. TYP. | 24.7-03 |
| (F-103) | SECURITY BOLLARD. TYP. | 24.7-03 |
| (F-104) | SHORT TERM (CLASS B) BIKE PARKING. TYP. | 24.7-04 |
| (F-105) | LONG TERM (CLASS I) BIKE PARKING. TYP. | 24.7-04 |
| (F-106) | PLANTER POT 1 (36 IN. DIA.). TYP. | 54.7-03 |
| (F-107) | PLANTER POT 2 (36 IN. DIA.). TYP. | 54.7-03 |
| (F-108) | PLANTER POT 3 (24 IN. DIA.). TYP. | 54.7-03 |
| (F-109) | TIGER RECEPTACLE. TYP. | 44.7-04 |
| (F-110) | DOG WASTE STATION. TYP. | 44.7-05 |
| (F-111) | BISTRO TABLE. TYP. | 34.7-03 |
| (F-112) | BISTRO CHAIR. TYP. | 34.7-03 |
| (F-113) | ADIRONDACK CHAIR. TYP. | 34.7-03 |
| (F-114) | SMALL SIDE TABLE. TYP. | 34.7-03 |
| (F-115) | 4' X 4' CUSTOM TREE GRATE | 54.7-04 |
| (F-116) | 6' X 6' CUSTOM TREE GRATE | 54.7-04 |
| (F-117) | CUSTOM SWING BENCH | 54.7-02 |
| (F-118) | DRINK RAIL | 54.7-04 |
| (M-101) | MISCELLANEOUS DESCRIPTION | DETAIL |
| (M-102) | PERFORATED PIPE. REFER TO CIVIL. | |
| (P-101) | PAVING AND CURB DESCRIPTION | DETAIL |
| (P-102) | PEDESTRIAN PAVERS 1 | 24.7-00 |
| (P-103) | PEDESTRIAN PAVERS 2 | 24.7-00 |
| (P-104) | PEDESTRIAN PAVERS 3 | 24.7-00 |
| (P-105) | STAMPED HEAVY-DUTY CONCRETE | 84.7-00 |
| (P-106) | VEHICULAR PAVERS | 14.7-00 |
| (P-107) | CONCRETE PAVING | 34.7-00 |
| (P-108) | CONCRETE BANDING | 44.7-00 |
| (P-109) | ARTIFICIAL TURF | 64.7-00 |
| (W-101) | PLANTER CURB | 14.7-01 |
| (W-102) | PLANTER CURB 3/4" TAPERED SECTION | 14.7-01 |
| (W-103) | CURB RAMP + TRUNCATED DOMES | 14.7-01 |
| (W-104) | WALLS AND STAIRS DESCRIPTION | DETAIL |
| (W-105) | CIP CONCRETE STAIRS + HANDRAIL | 84.7-01 |
| (W-106) | SEAT WALL STAIRS | 84.7-01 |
| (PB) | PLANTING BED | |

NOTE: AN OVERALL MATERIALS SCHEDULE WAS CREATED FOR PHASES 1B-1D. ANY MISSING REFERENCE NUMBERS DO NOT OCCUR IN THIS PHASE.

KEY MAP



SEAL

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6/10/22

UNIVERSITY PLACE PHASE 1D

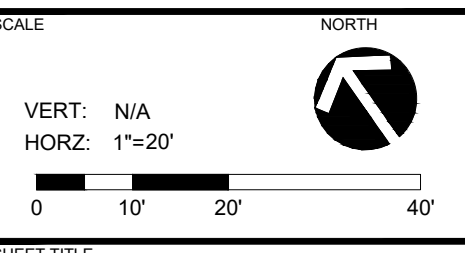
RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

| NO. | DESCRIPTION | DATE |
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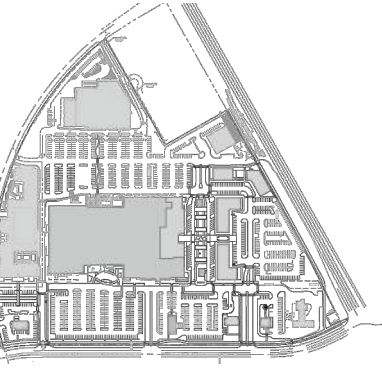
DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM



MATERIALS PLAN
ENLARGEMENT 7

SHEET NUMBER
L1-07

KEY MAP



SEAL

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ENGINEER DATE

PROJECT

**UNIVERSITY
PLACE PHASE 1D**

RAM REALTY

201 S ESTES DRIVE

CHAPEL HILL, NC 27514

LANDESIGN PROJ.# 1019418

REVISION / ISSUANCE

| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
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| 2 | ZCP | 04.22.2022 |
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| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

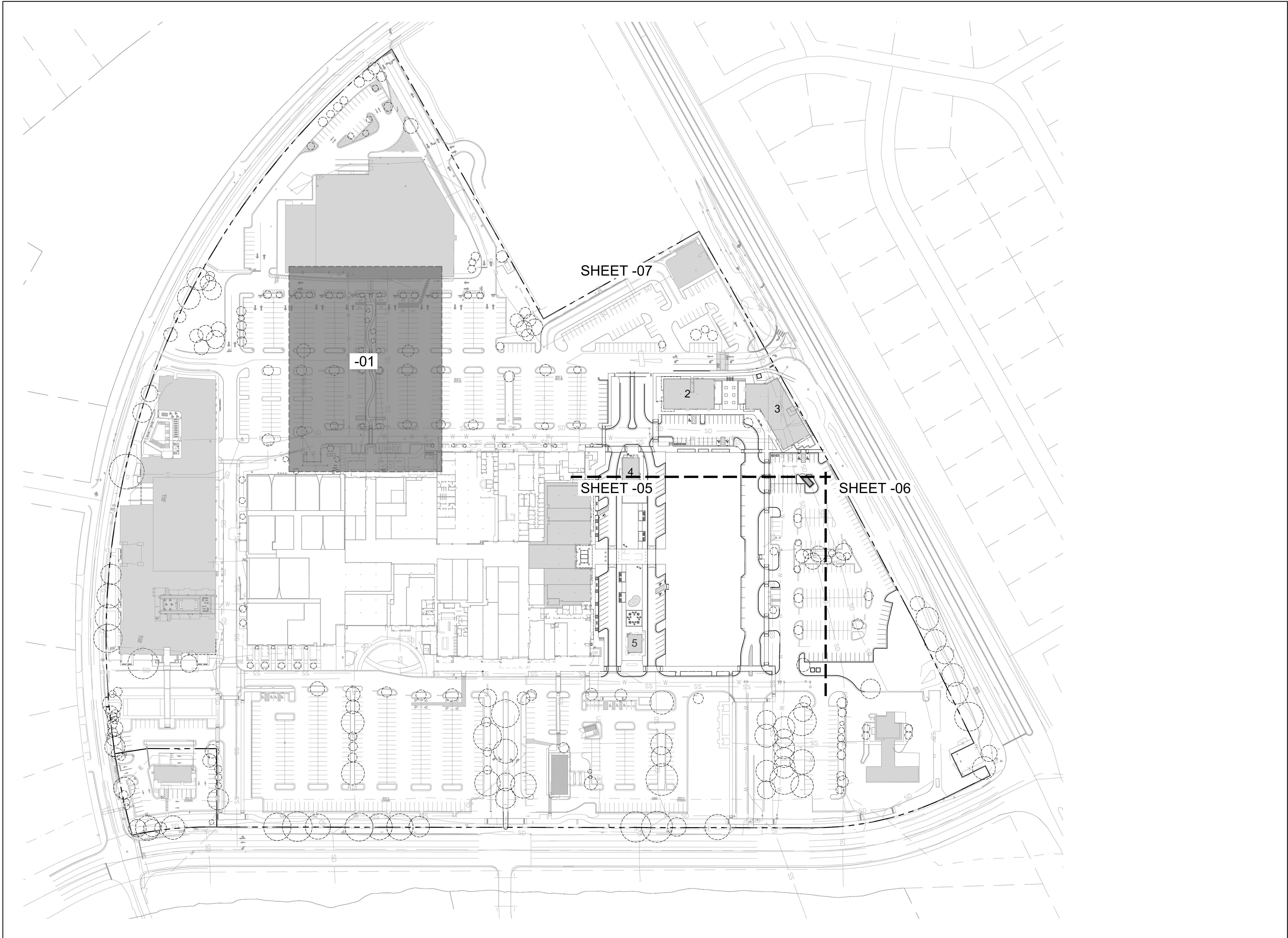
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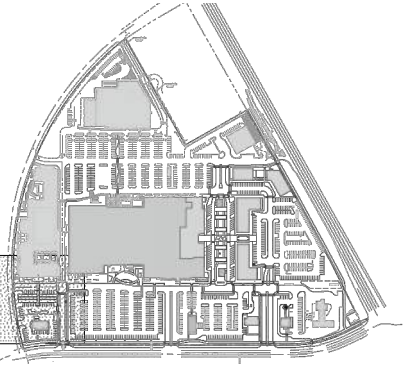
OVERALL LAYOUT PLAN

SHEET NUMBER

L2-00



KEY MAP



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UNIVERSITY PLACE PHASE 1D

RAM REALTY
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LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

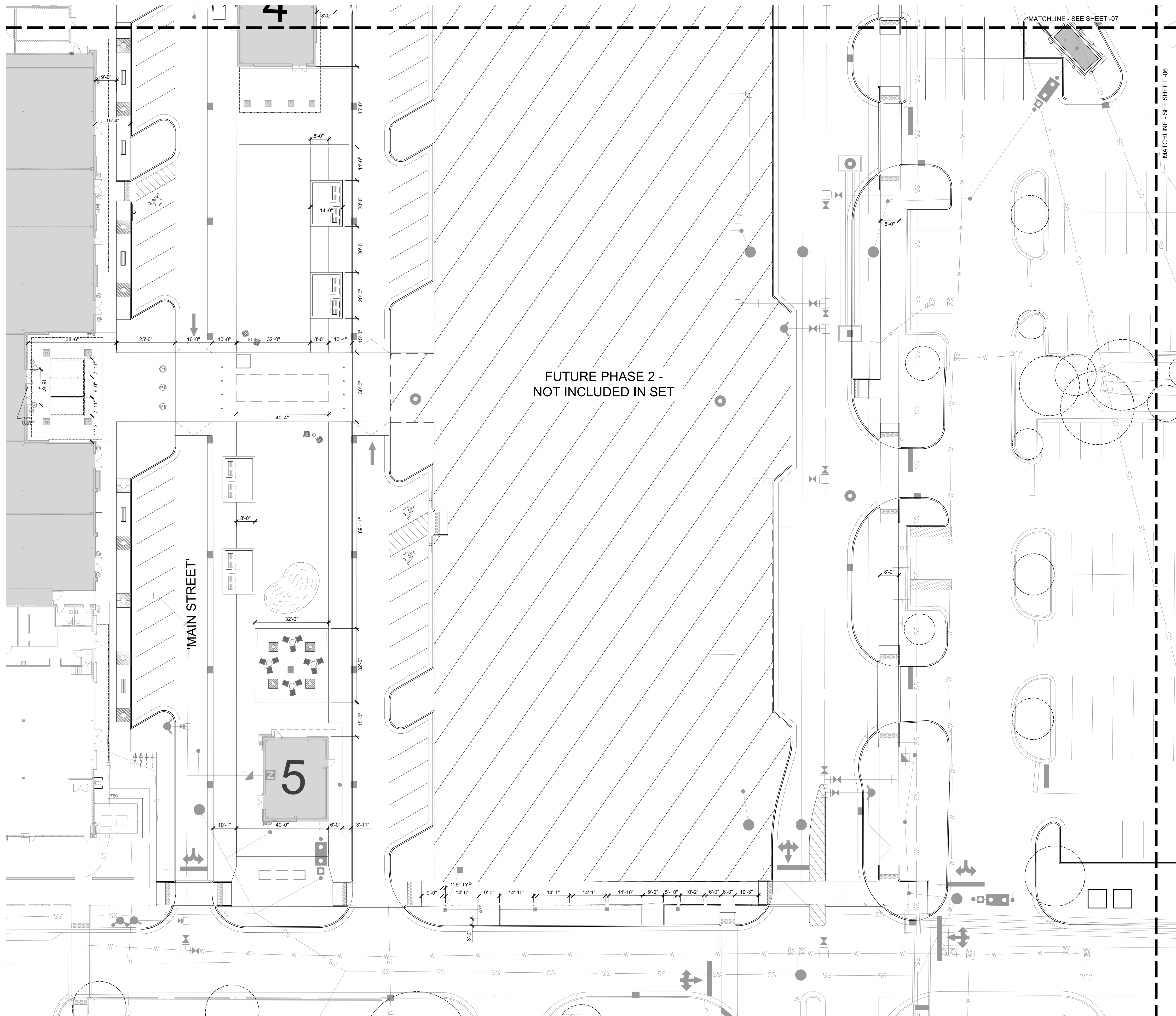
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| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH
VERT: N/A
HORZ: 1"=20'
0 10 20 40'

SHEET TITLE
**LAYOUT PLAN
ENLARGEMENT 5**

SHEET NUMBER
L2-05

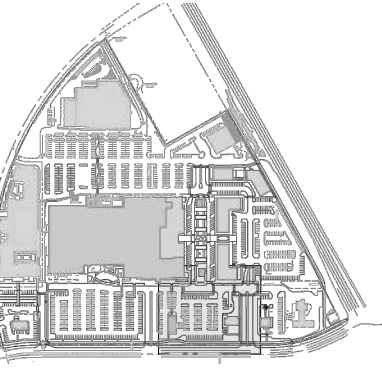


FUTURE PHASE 2 -
NOT INCLUDED IN SET

'MAIN STREET'

5

KEY MAP



SEAL

PRELIMINARY
-FOR REVIEW ONLY-

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ENGINEER REG. # DATE

PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

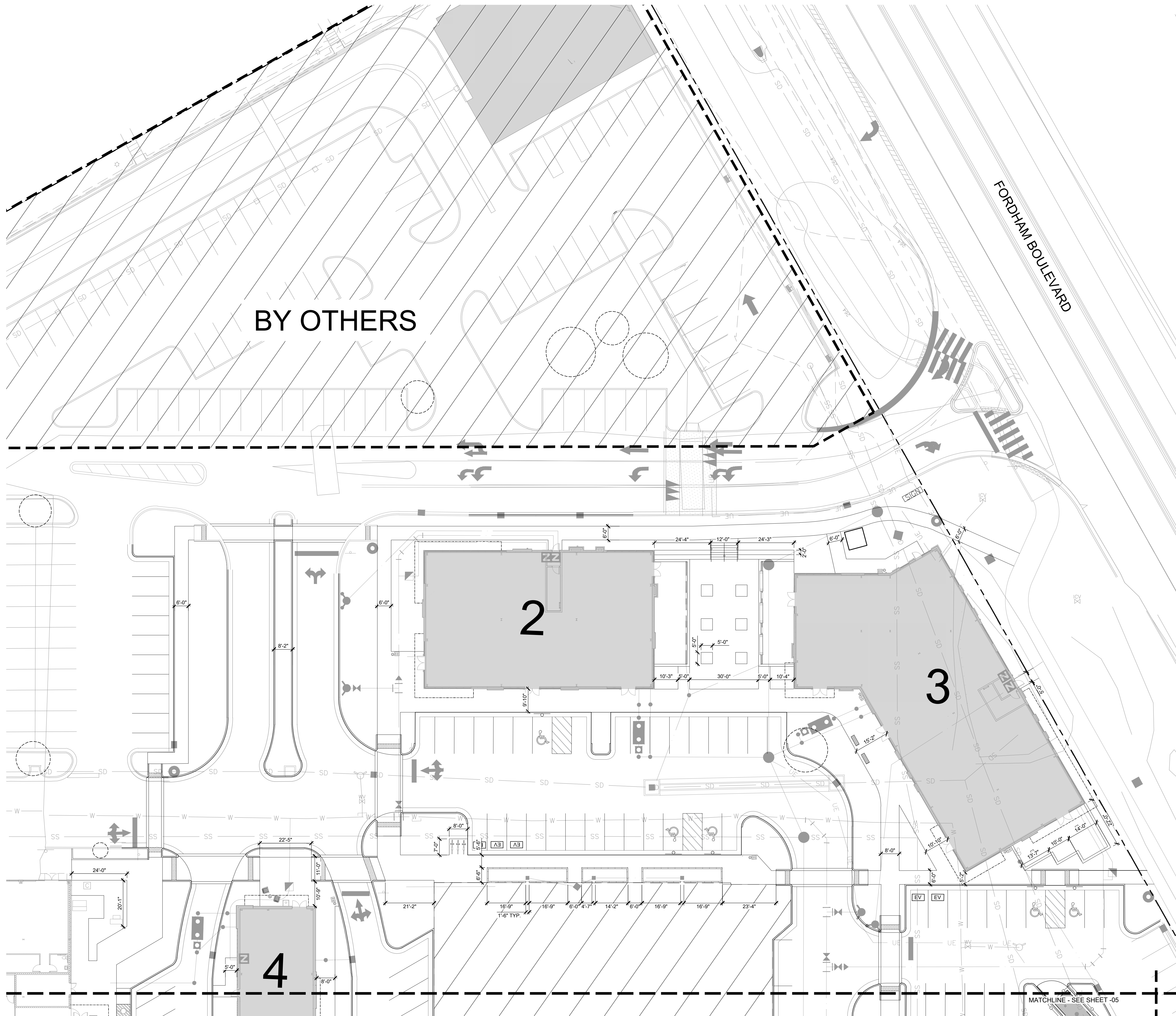
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DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

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VERT: N/A
HORZ: 1"=20'
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SHEET TITLE
LAYOUT PLAN ENLARGEMENT 7

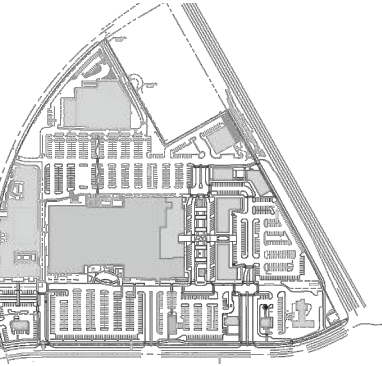
SHEET NUMBER
L2-07



NOTES:

1. PROPOSED BUILDING FINISH FLOOR ELEVATIONS DO NOT ACCOUNT FOR ANY REQUIRED FLOOD MITIGATION.
2. EXISTING BUILDING FLOOR ELEVATIONS MUST BE FIELD VERIFIED AT EACH DOOR / OPENING.
3. CIVIL/VEHICULAR GRADES ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO CIVIL ENGINEERING PLANS BY MCADAMS.
4. REFER TO CIVIL FOR ALL EXTERIOR AREA DRAINAGE.

KEY MAP



SEAL

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REG.# 4/22/22
ENGINEER DATE

PROJECT

**UNIVERSITY
PLACE PHASE 1D**

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

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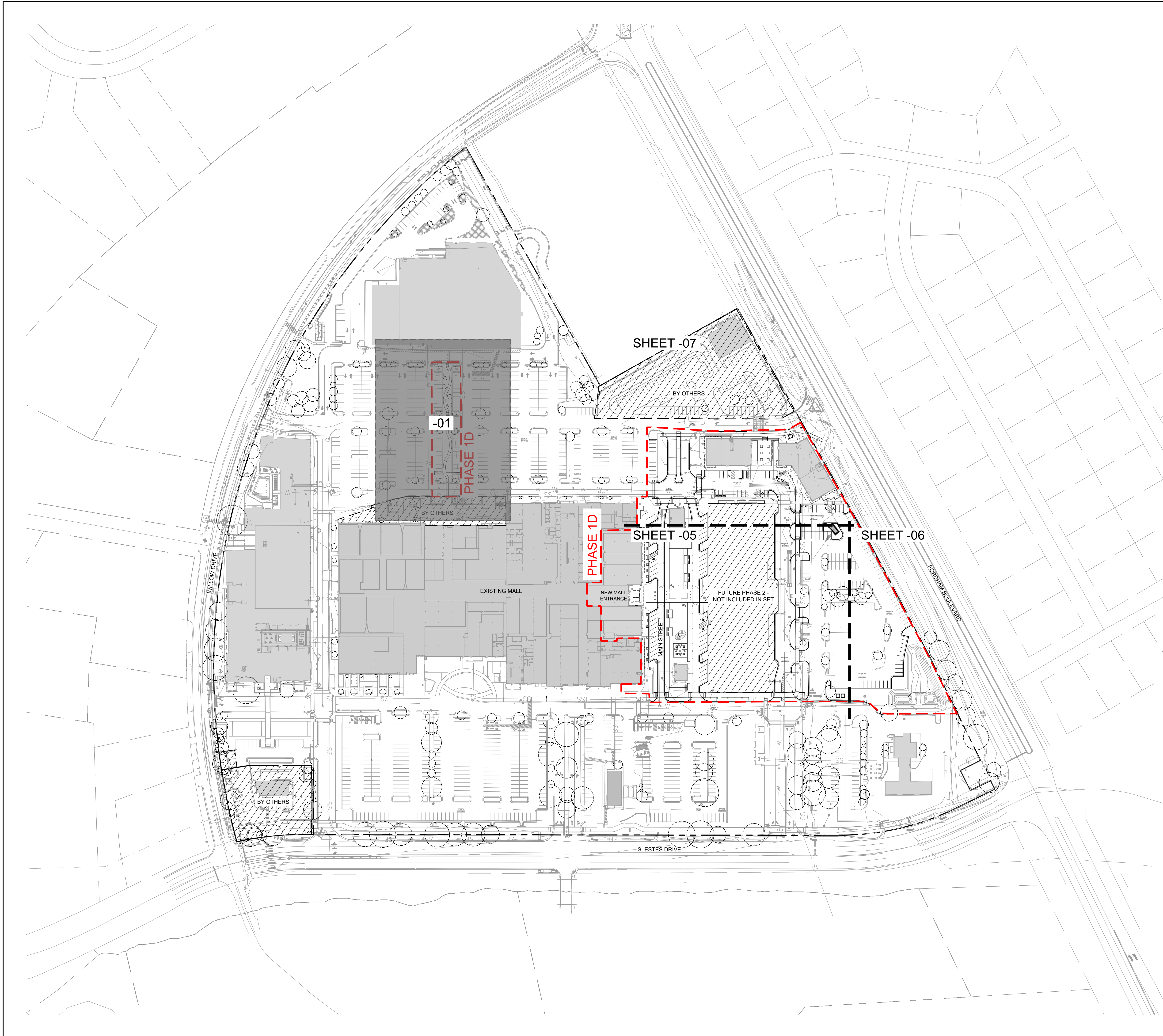
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SHEET TITLE

OVERALL GRADING PLAN

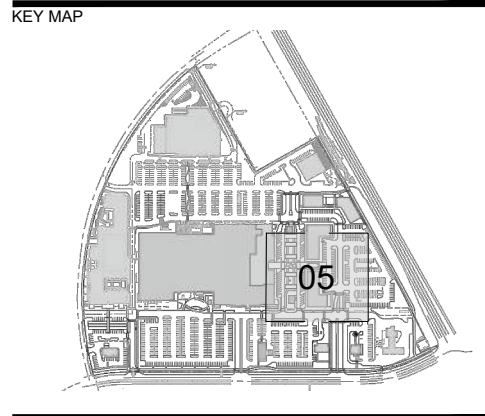
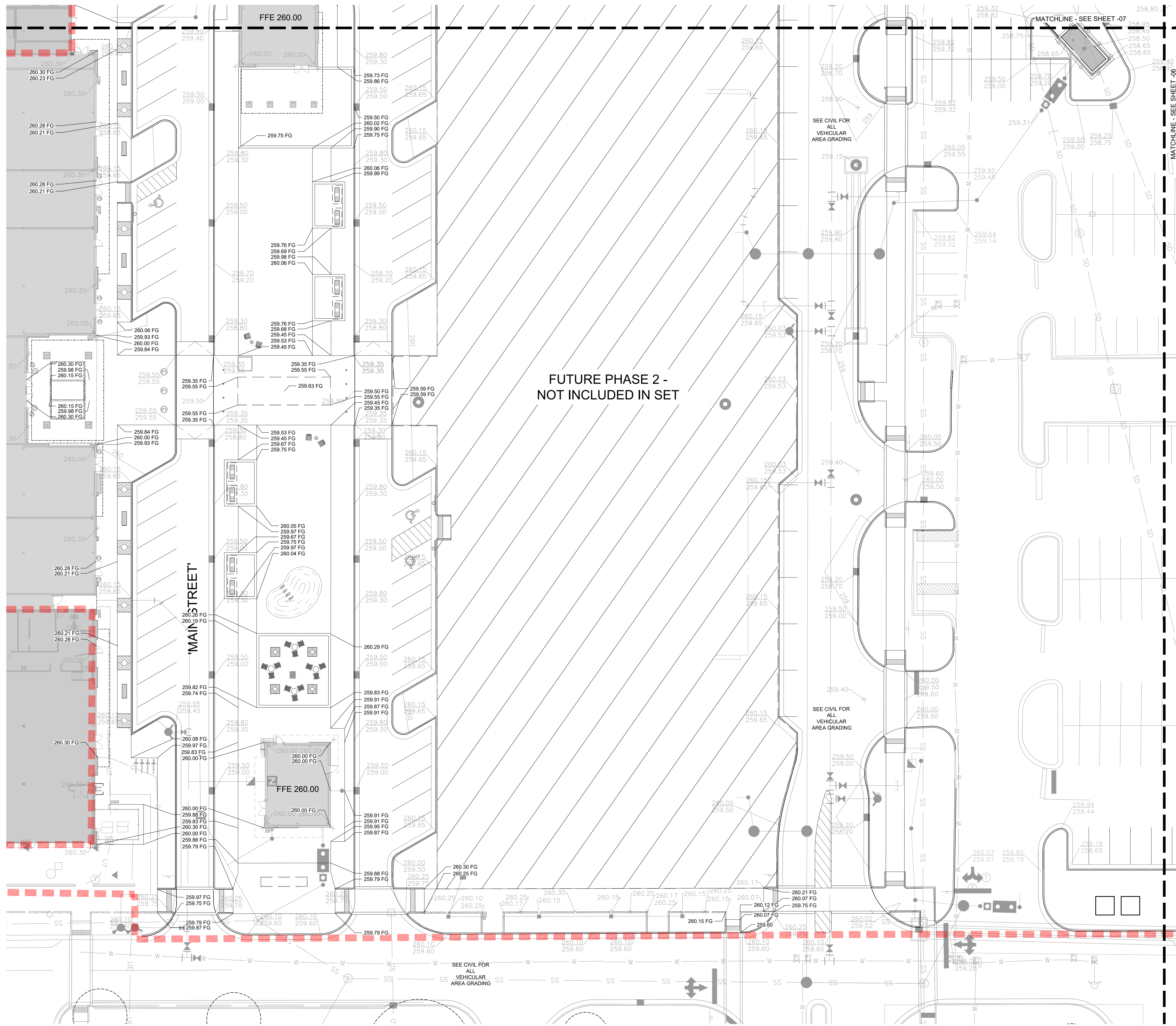
SHEET NUMBER

L3-00



NOTES:

1. PROPOSED BUILDING FINISH FLOOR ELEVATIONS DO NOT ACCOUNT FOR ANY REQUIRED FLOOD MITIGATION.
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REG.# 4/22/22

UNIVERSITY PLACE PHASE 1D

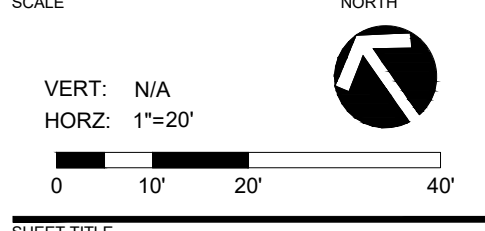
RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

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|-----|--------------------|------------|
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| 3 | ZCP | 06.29.2022 |
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| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

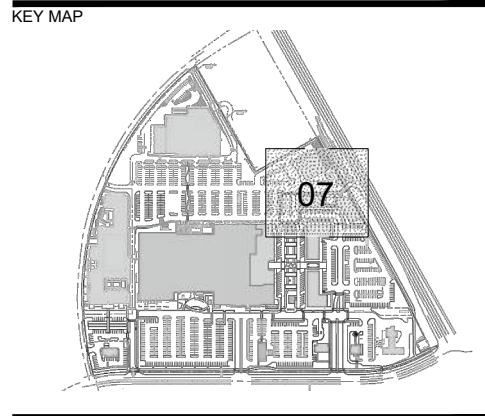
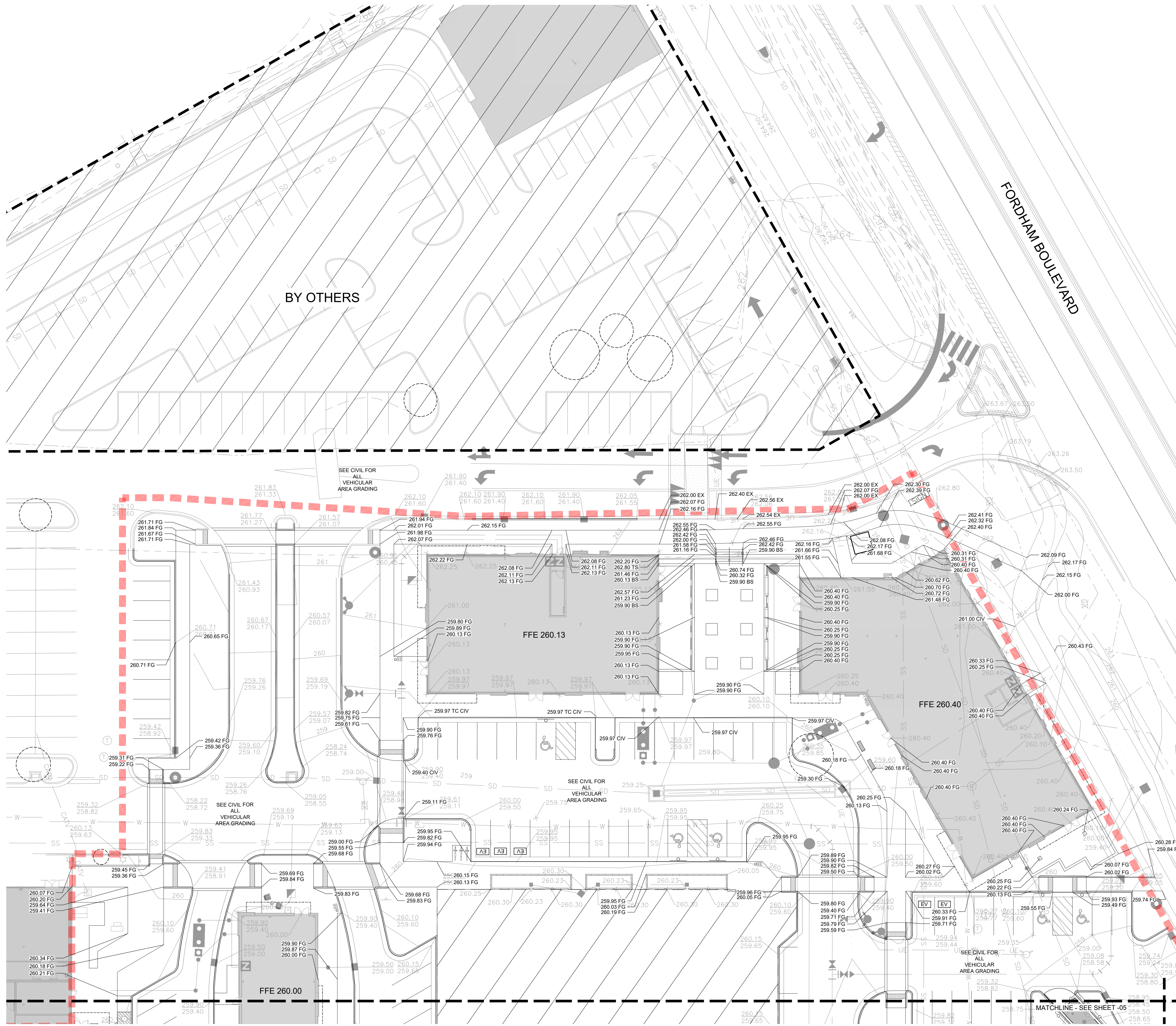


**GRADING PLAN
ENLARGEMENT 5**

SHEET NUMBER
L3-05

NOTES:

1. PROPOSED BUILDING FINISH FLOOR ELEVATIONS DO NOT ACCOUNT FOR ANY REQUIRED FLOOD MITIGATION.
2. EXISTING BUILDING FLOOR ELEVATIONS MUST BE FIELD VERIFIED AT EACH DOOR / OPENING.
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UNIVERSITY PLACE PHASE 1D

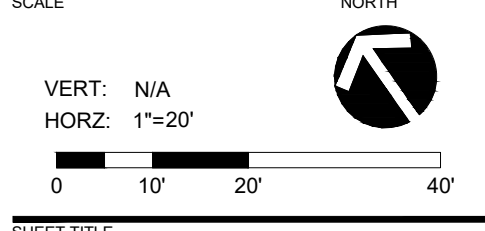
RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

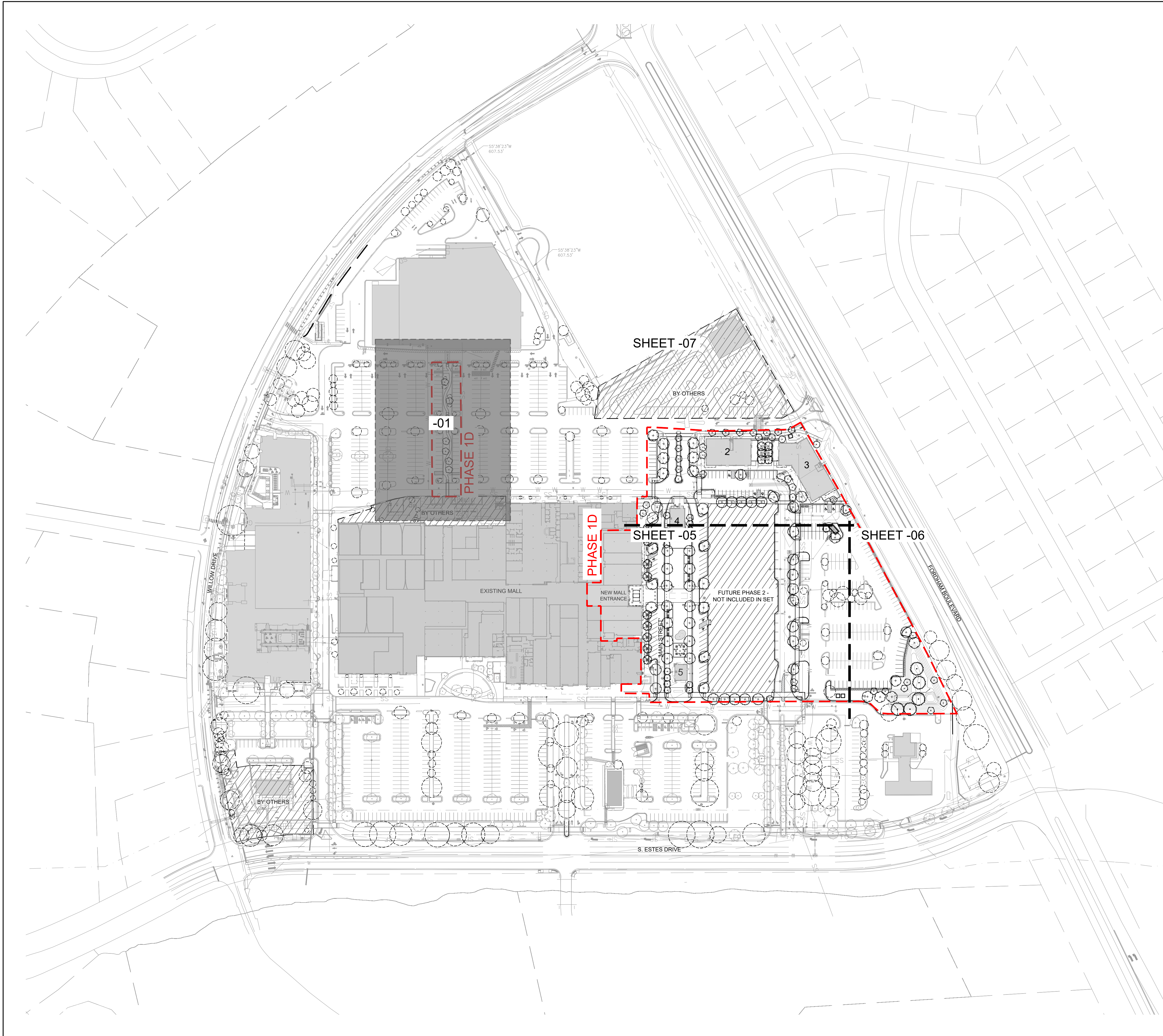
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DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM



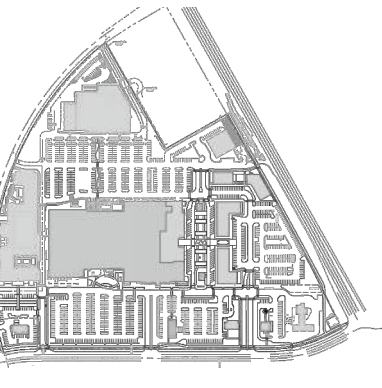
SHEET TITLE
GRADING PLAN ENLARGEMENT 7

SHEET NUMBER
L3-07



| PLANT SCHEDULE | | |
|----------------------|---------|---|
| TREES | | |
| | ACE BUE | Botanical / Common Name Acer buergerianum 'Aeryn' Tident Maple |
| | AME GRA | Amelanchier x grandiflora 'Autumn Brilliance' Autumn Brilliance Apple Serviceberry |
| | CAR NAF | Carpinus caroliniana 'JFS-KW6' TM Native Flame American Hornbeam |
| | CER EAS | Cercis canadensis Eastern Redbud |
| | NYS WIL | Nyssa sylvatica 'Wildfire' Black Gum |
| | QUE MOP | Quercus nuttallii 'Esplanade' Esplanade Nuttall Oak |
| | QUE PAL | Quercus palustris Pin Oak |
| | QUE HIG | Quercus phellos 'Hightower' Willow Oak |
| | TAX MIC | Taxodium distichum 'Mickelson' TM Shawnee Brave Bald Cypress |
| | ULM PRI | Ulmus americana 'Princeton' Princeton American Elm |
| SHRUBS | | |
| | BUX GEM | Buxus 'Green Gem' Boxwood 'Green Gem' |
| | ILE GLA | Ilex glabra 'Compacta' Compact Inkberry |
| | ILE VOM | Ilex vomitoria 'Nana' Dwarf Yaupon Holly |
| SHRUB AREAS | | |
| | AMS EBD | Amsonia tabernaemontana 'Blue Ice' Strom Cloud Eastern Bluestar |
| | CEP SUS | Cephalanthus occidentalis 'SMCOSS' TM Sugar Shack Buttonbush |
| | CHE GLA | Chelone glabra White Turtlehead |
| | JUN EFF | Juncus effusus Common Rush |
| | LIA SPI | Liatris spicata Blazing Star |
| | MUH EIN | Muhlenbergia capillaris Pink Muhly Grass |
| | NEP WLO | Nepeta x 'Walker's Low' Walker's Low Catmint |
| | SPO TAR | Sporobolus heterolepis 'Tara' Tara Prairie Dropseed |
| GROUND COVERS | | |
| | IRI VIR | Iris virginica Blue Flag Iris |
| | PAC TER | Pachysandra terminalis Japanese Spurge |
| | PEL VIR | Peltandra virginica Arrow Arum |
| | PON COR | Pontederia cordata Pickerel Weed |
| TURF | | |
| | TUR SOD | Turf Grass SOD |

KEY MAP



SEAL

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REG.# 6/14/22

ENGINEER DATE

PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

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| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

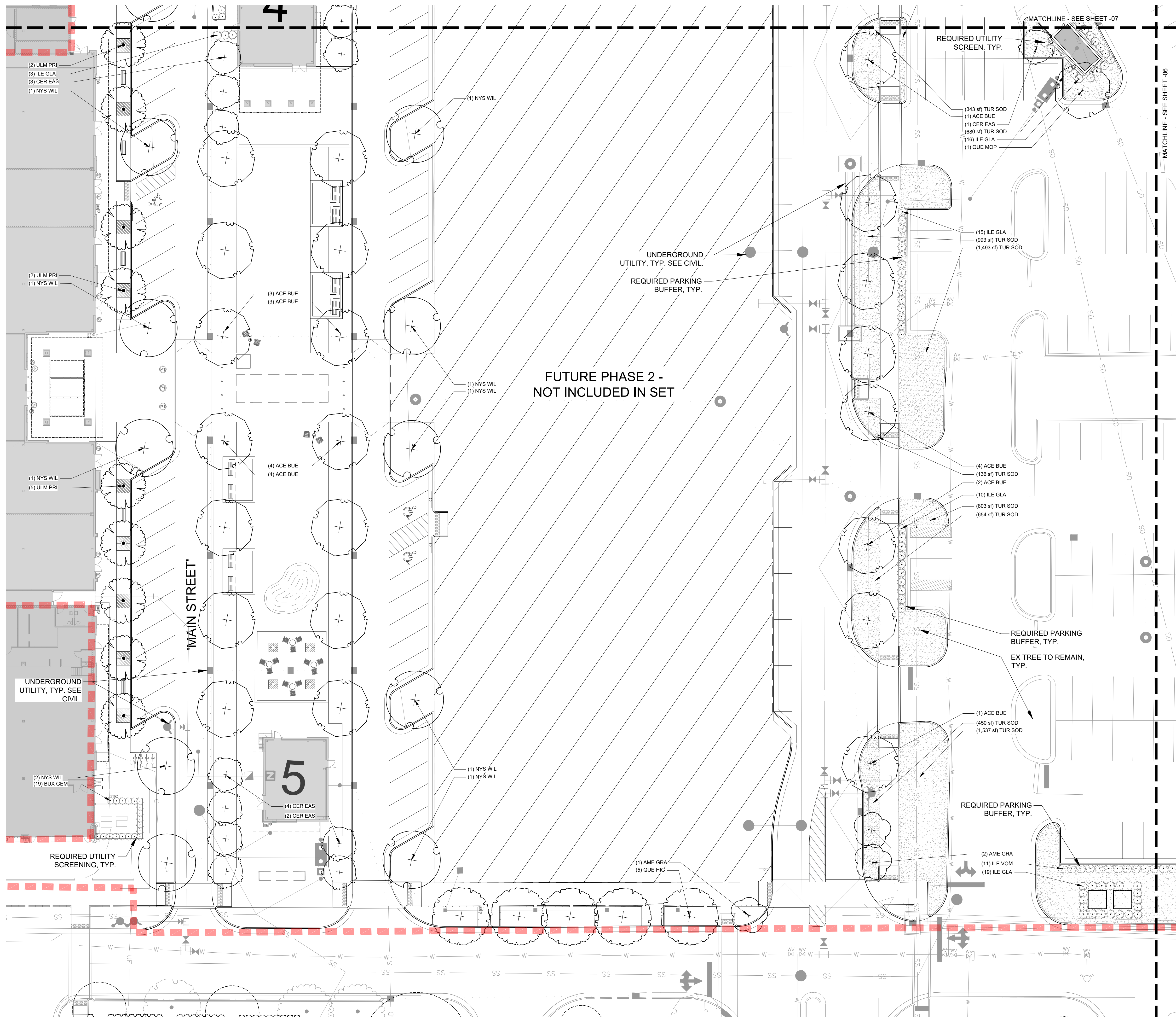
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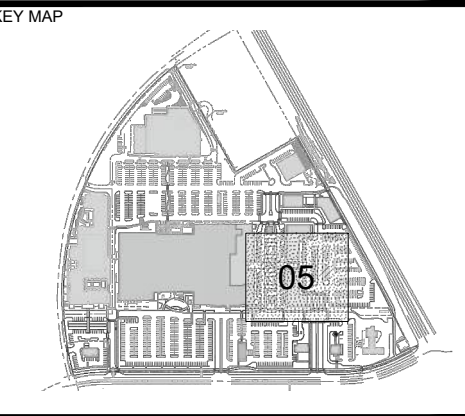
OVERALL REQUIRED PLANTING PLAN

SHEET NUMBER

L4-00



| PLANT SCHEDULE | | |
|----------------|---------|---|
| TREES | CODE | BOTANICAL / COMMON NAME |
| (X) | ACE BUE | Acer buergerianum 'Aeryn' Trident Maple |
| (X) | AME GRA | Amelanchier x grandiflora 'Autumn Brilliance' Autumn Brilliance Apple Serviceberry |
| (X) | CAR NAF | Carpinus caroliniana 'JFS-KW6' TM Native Flame American Hornbeam |
| (X) | CER EAS | Cercis canadensis Eastern Redbud |
| (X) | NYS WIL | Nyssa sylvatica 'Wildfire' Black Gum |
| (X) | QUE MOP | Quercus nuttallii 'Esplanade' Esplanade Nuttall Oak |
| (X) | QUE PAL | Quercus palustris Pin Oak |
| (X) | QUE HIG | Quercus phellos 'Hightower' Willow Oak |
| (X) | TAX MIC | Taxodium distichum 'Mickelson' TM Shawnee Brave Bald Cypress |
| (X) | ULM PRI | Ulmus americana 'Princeton' Princeton American Elm |
| SHRUBS | CODE | BOTANICAL / COMMON NAME |
| (X) | BUX GEM | Buxus 'Green Gem' Boxwood 'Green Gem' |
| (X) | ILE GLA | Ilex glabra 'Compacta' Compact Inkberry |
| (X) | ILE VOM | Ilex vomitoria 'Nana' Dwarf Yaupon Holly |
| SHRUB AREAS | CODE | BOTANICAL / COMMON NAME |
| (X) | AMS EBD | Amsonia tabernaemontana 'Blue Ice' Strom Cloud Eastern Bluestar |
| (X) | CEP SUS | Cephalanthus occidentalis 'SMCOSS' TM Sugar Shack Buttonbush |
| (X) | CHE GLA | Chelone glabra White Turtlehead |
| (X) | JUN EFF | Juncus effusus Common Rush |
| (X) | LIA SPI | Liatris spicata Blazing Star |
| (X) | MUH EIN | Muhlenbergia capillaris Pink Muhly Grass |
| (X) | NEP WLO | Nepeta x 'Walker's Low' Walker's Low Catmint |
| (X) | SPO TAR | Sporobolus heterolepis 'Tara' Tara Prairie Dropseed |
| GROUND COVERS | CODE | BOTANICAL / COMMON NAME |
| (X) | IRI VIR | Iris virginica Blue Flag Iris |
| (X) | PAC TER | Pachysandra terminalis Japanese Spurge |
| (X) | PEL VIR | Peltandra virginica Arrow Arum |
| (X) | PON COR | Pontederia cordata Pickerel Weed |
| TURF | CODE | BOTANICAL / COMMON NAME |
| (X) | TUR SOD | Turf Grass SOD |



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UNIVERSITY PLACE PHASE 1D

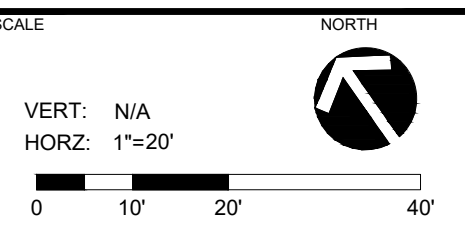
RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

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| 5 | ZCP | 08.24.2022 |

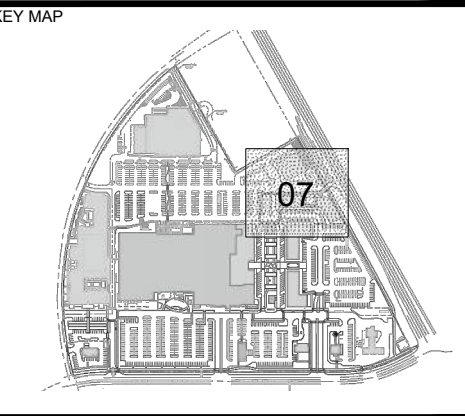
DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM



REQUIRED PLANTING PLAN
ENLARGEMENT 5

SHEET NUMBER
L4-05

| PLANT SCHEDULE | | |
|----------------------|-------------|---|
| TREES | | |
| ACE BUE | (1) ACE BUE | Acer buergerianum 'Aeryn' Trident Maple |
| AME GRA | (3) AME GRA | Amelanchier x grandiflora 'Autumn Brilliance' Autumn Brilliance Apple Serviceberry |
| CAR NAF | (1) CAR NAF | Carpinus caroliniana 'JFS-KW6' TM Native Flame American Hornbeam |
| CER EAS | (9) CER EAS | Cercis canadensis Eastern Redbud |
| NYS WIL | (2) NYS WIL | Nyssa sylvatica 'Wildfire' Black Gum |
| QUE MOP | (1) QUE MOP | Quercus nuttallii 'Esplanade' Esplanade Nuttall Oak |
| QUE PAL | (4) QUE PAL | Quercus palustris Pin Oak |
| QUE HIG | (1) QUE HIG | Quercus phellos 'Hightower' Willow Oak |
| TAX MIC | (1) TAX MIC | Taxodium distichum 'Mickelson' TM Shawnee Brave Bald Cypress |
| ULM PRI | (6) ULM PRI | Ulmus americana 'Princeton' Princeton American Elm |
| SHRUBS | | |
| BUX GEM | (8) BUX GEM | Buxus 'Green Gem' Boxwood 'Green Gem' |
| ILE GLA | (1) ILE GLA | Ilex glabra 'Compacta' Compact Inkberry |
| ILE VOM | (1) ILE VOM | Ilex vomitoria 'Nana' Dwarf Yaupon Holly |
| SHRUB AREAS | | |
| AMS EBD | (1) AMS EBD | Amsonia tabernaemontana 'Blue Ice' Storm Cloud Eastern Bluestar |
| CEP SUS | (1) CEP SUS | Cephalanthus occidentalis 'SMCOSS' TM Sugar Shack Buttonbush |
| CHE GLA | (1) CHE GLA | Chelone glabra White Turtlehead |
| JUN EFF | (1) JUN EFF | Juncus effusus Common Rush |
| LIA SPI | (1) LIA SPI | Liatris spicata Blazing Star |
| MUH EIN | (1) MUH EIN | Muhlenbergia capillaris Pink Muhly Grass |
| NEP WLO | (1) NEP WLO | Nepeta x 'Walker's Low' Walker's Low Catmint |
| SPO TAR | (1) SPO TAR | Sporobolus heterolepis 'Tara' Tara Prairie Dropseed |
| GROUND COVERS | | |
| IRI VIR | (1) IRI VIR | Iris virginica Blue Flag Iris |
| PAC TER | (1) PAC TER | Pachysandra terminalis Japanese Spurge |
| PEL VIR | (1) PEL VIR | Peltandra virginica Arrow Arum |
| PON COR | (1) PON COR | Pontederia cordata Pickerel Weed |
| TURF | | |
| TUR SOD | (1) TUR SOD | Turf Grass SOD |



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UNIVERSITY PLACE PHASE 1D

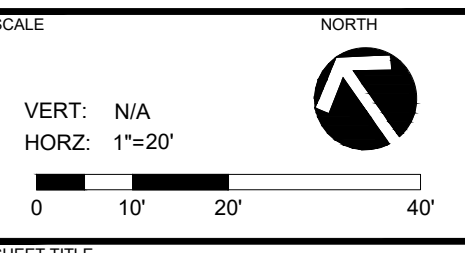
RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

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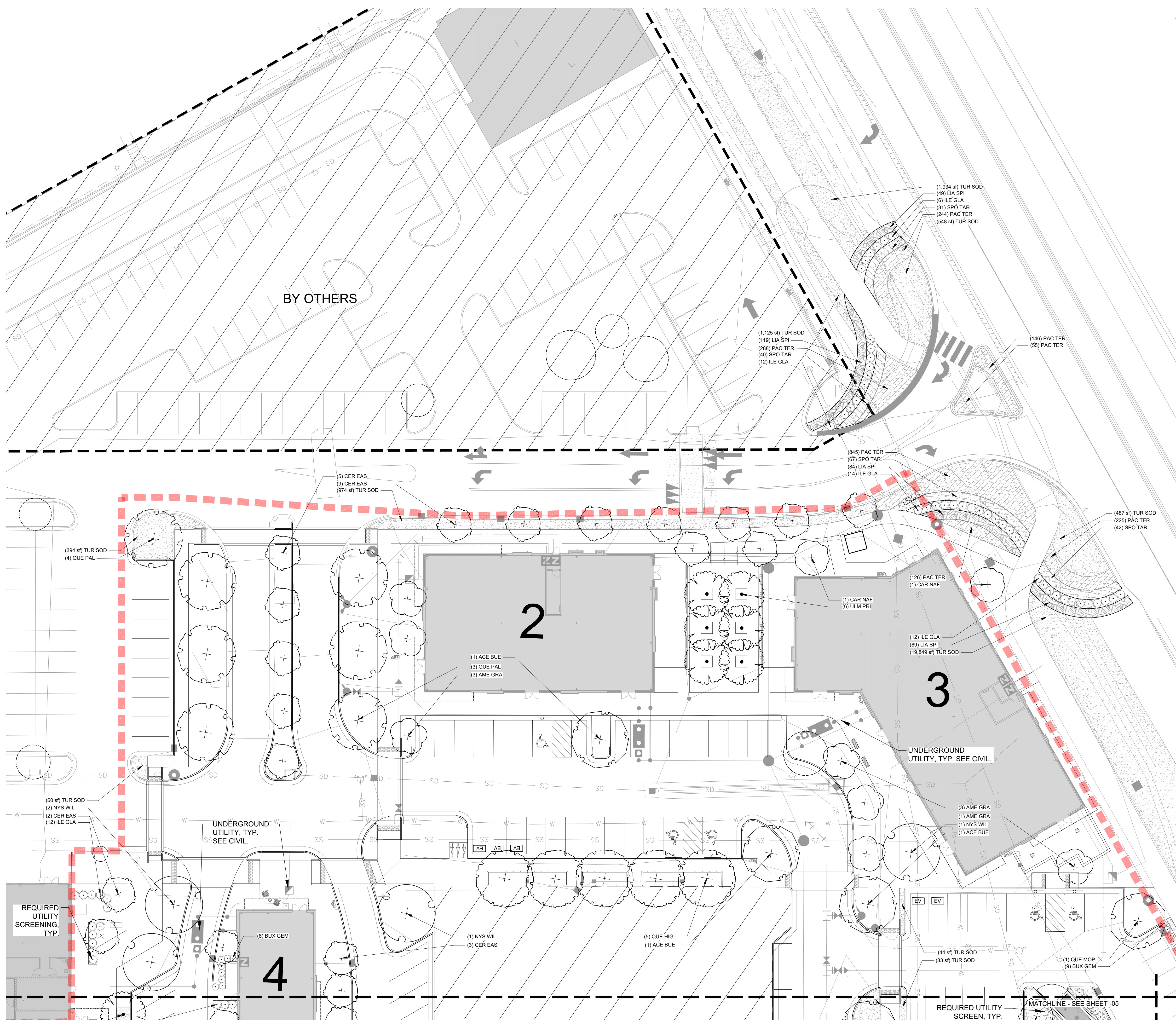
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| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM



REQUIRED PLANTING PLAN ENLARGEMENT 7

SHEET NUMBER **L4-07**



PLANT SCHEDULE

| TREES | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | MIN. CAL. | MIN. HT. | REMARKS |
|---------------|---------|-----------|---|--------------------------------------|------------|-----------|-----------|--|
| | ACE BUE | 32 | Acer buergerianum 'Aeryn' | Trident Maple | B&B | 4" | 16-18' | STRONG CENTRAL LEADER |
| | AME GRA | 16 | Amelanchier x grandiflora 'Autumn Brilliance' | Autumn Brilliance Apple Serviceberry | B&B | - | 10-12' | MULTI-STEM. 3-5 TRUNKS |
| | CAR NAF | 2 | Carpinus caroliniana 'JFS-KW6' TM | Native Flame American Hornbeam | B&B | 3" | 10-12' | STRONG CENTRAL LEADER |
| | CER EAS | 38 | Cercis canadensis | Eastern Redbud | B&B | - | 10-12' | MULTI-STEM. 3-5 TRUNKS |
| | NYS WIL | 14 | Nyssa sylvatica 'Wildfire' | Black Gum | B&B | 4" | 12-14' | STRONG CENTRAL LEADER. MATCHED SPECIMENS |
| | QUE MOP | 5 | Quercus nuttallii 'Esplanade' | Esplanade Nuttall Oak | B&B | 3" | 10-12' | STRONG CENTRAL LEADER |
| | QUE PAL | 7 | Quercus palustris | Pin Oak | B&B | 3" CAL | 10-12' | STRONG CENTRAL LEADER |
| | QUE HIG | 10 | Quercus phellos 'Hightower' | Willow Oak | - | 3" | 10-12' | STRONG CENTRAL LEADER |
| | TAX MIC | 5 | Taxodium distichum 'Mickelson' TM | Shawnee Brave Bald Cypress | B&B | 3" CAL | 10-12' HT | STRONG CENTRAL LEADER |
| | ULM PRI | 15 | Ulmus americana 'Princeton' | Princeton American Elm | B&B | 3" | 10-12' HT | STRONG CENTRAL LEADER |
| SHRUBS | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | REMARKS |
| | BUX GEM | 279 | Buxus 'Green Gem' | Boxwood 'Green Gem'l | #3 | As Shown | 24" | FULL TO CONTAINER |
| | ILE GLA | 119 | Ilex glabra 'Compacta' | Compact Inkberry | #3 | As Shown | 24" | FULL TO CONTAINER |
| | ILE VOM | 57 | Ilex vomitoria 'Nana' | Dwarf Yaupon Holly | #3 | As Shown | 24-36" | FULL TO CONTAINER |
| SHRUB AREAS | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | REMARKS |
| | AMS EBD | 828 | Amsonia tabernaemontana 'Blue Ice' | Strom Cloud Eastern Bluestar | #1 | 18" O.C. | 18-24" | FULL TO CONTAINER. |
| | CEP SUS | 569 | Cephalanthus occidentalis 'SMCOSS' TM | Sugar Shack Buttonbush | #3 | 24" O.C. | 24" | FULL TO CONTAINER |
| | CHE GLA | 629 | Chelone glabra | White Turtlehead | #1 | 24" O.C. | 10-12" | FULL TO CONTAINER. |
| | CON PUN | 0 sf | Concept Planting Area | Planting Area | - | 18" O.C. | 10-12" | |
| | JUN EFF | 45 | Juncus effusus | Common Rush | #1 | 24" O.C. | 12" | FULL TO CONTAINER. |
| | LIA SPI | 341 | Liatris spicata | Blazing Star | #1 | 18" O.C. | 12" | FULL TO CONTAINER |
| | MUH EIN | 816 | Muhlenbergia capillaris | Pink Muhly Grass | #3 | 24" O.C. | 18-24" | FULL TO CONTAINER. |
| | NEP WLO | 446 | Nepeta x 'Walker's Low' | Walker's Low Catmint | #1 | 18" O.C. | 12" | FULL TO CONTAINER |
| | SPO TAR | 180 | Sporobolus heterolepis 'Tara' | Tara Prairie Dropseed | #3 | 24" O.C. | 12" | FULL TO CONTAINER |
| | TUR EAS | 5 sf | Turf Artificial Easy Turf Olive Ultra | 1 5/8" Polyethylene, 3/8" Guage | - | | | |
| GROUND COVERS | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | REMARKS |
| | IRI VIR | 157 | Iris virginica | Blue Flag Iris | #SP3 | 24" O.C. | 12" | FULL TO CONTAINER |
| | PAC TER | 2,978 | Pachysandra terminalis | Japanese Spurge | #SP4 | 12" O.C. | 6" | FULL TO CONTAINER |
| | PEL VIR | 99 | Peltandra virginica | Arrow Arum | #SP3 | 24" O.C. | 6" | FULL TO CONTAINER |
| | PON COR | 446 | Pontederia cordata | Pickereel Weed | #SP3 | 24" O.C. | 6" | FULL TO CONTAINER |
| TURF | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | REMARKS |
| | TUR SOD | 39,851 sf | Turf Grass | SOD | SOD | - | - | |

REQUIRED PLANTING CALCULATIONS

PHASE 1D AREA: ± 196,619 SF

MIN. 30% CANOPY (196,619.00 x .30): ± 58,986 SF
EXISTING CANOPY TO REMAIN: ± 22,352 SF

TREE CANOPY DEFICIT (58,986 SF - 22,352 SF): ± 36,634 SF

TREES REQUIRED = 74 TREES
(36,634 SF / 500 SF)*:
1 TREE REQUIRED PER 500 SF DEFICIT

TREES PROVIDED ON-SITE = 144 TREES

REMAINING PERCENT CANOPY: ± 10.62 %
PROVIDED PERCENT CANOPY: ± 36.62 %

TOTAL FINISHED CANOPY: ± 47.24 %

* REPLACEMENT OF CANOPY DETERMINED BY SECTION 5.7 OF CHAPEL HILL CODE OF ORDINANCES. A MINIMUM TREE CANOPY COVERAGE OF 30% IS REQUIRED WITH AT LEAST 20% COVERAGE REQUIRED ON-SITE DETERMINED BY UNIVERSITY PLACE DESIGN STANDARDS. REMAINING 10% IS ALLOWED TO BE PROVIDED EITHER OFF-SITE OR BY PAYMENT IN LIEU (PER LUMO 5.7.2(C)).

TREE CANOPY COVERAGE OVER TOTAL SITE

SITE AREA BY PHASE

PHASE 1A +/-133,216 SF
PHASE 1B/1C +/-456,270 SF
PHASE 1D +/-196,619 SF
TOTAL SITE AREA (TSA)*: +/- 1,890,243 SF*
*GROSS LAND AREA; WILL NOT MATCH TOTAL OF INDIVIDUAL PODS / PHASES.

TREE CANOPY BY PHASE

EXISTING CANOPY TO REMAIN OUTSIDE PHASE 1A-1D LIMITS +/- 56,158 SF

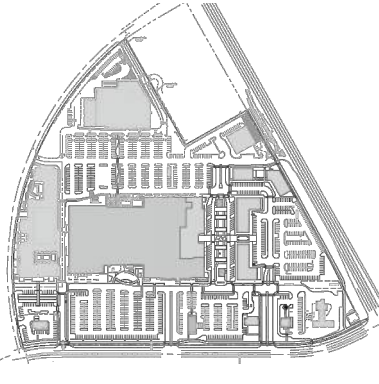
PHASE 1A
EXISTING TO REMAIN: +/- 18,296 SF
PROVIDED PER PHASE: +/- 22,000 SF
TOTAL PHASE 1A CANOPY: +/- 40,296 SF
% PER PHASE: +/- 30.25%
CUMULATIVE TOTAL: +/- 96,814 SF
CUMULATIVE % OF TSA: +/- 5.12 %

PHASE 1B/1C
EXISTING TO REMAIN: +/- 96,691 SF
PROVIDED PER PHASE: +/- 71,500 SF
TOTAL PHASE 1B/1C CANOPY: +/- 168,191 SF
% PER PHASE: +/- 36.86 %
CUMULATIVE TOTAL: +/- 265,005 SF
CUMULATIVE % OF TSA: +/- 14.02 %

PHASE 1D
EXISTING TO REMAIN: +/- 20,889 SF
PROVIDED PER PHASE: +/- 72,000 SF
TOTAL PHASE 1D CANOPY: +/- 92,889 SF
% PER PHASE: +/- 47.24 %
CUMULATIVE TOTAL: +/- 357,894 SF
CUMULATIVE % OF TSA: +/- 18.93 %

* THE ABOVE CALCULATIONS ARE MEANT TO REPRESENT THE SITE AS IT STANDS AFTER THE CURRENT PHASE. ADDITIONAL TREE CANOPY TO BE PROPOSED IN SUBSEQUENT PHASES.

KEY MAP



SEAL

PRELIMINARY
-FOR REVIEW ONLY-
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ENGINEER REG.# DATE

PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ# 1019418

REVISION / ISSUANCE

| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE: NORTH

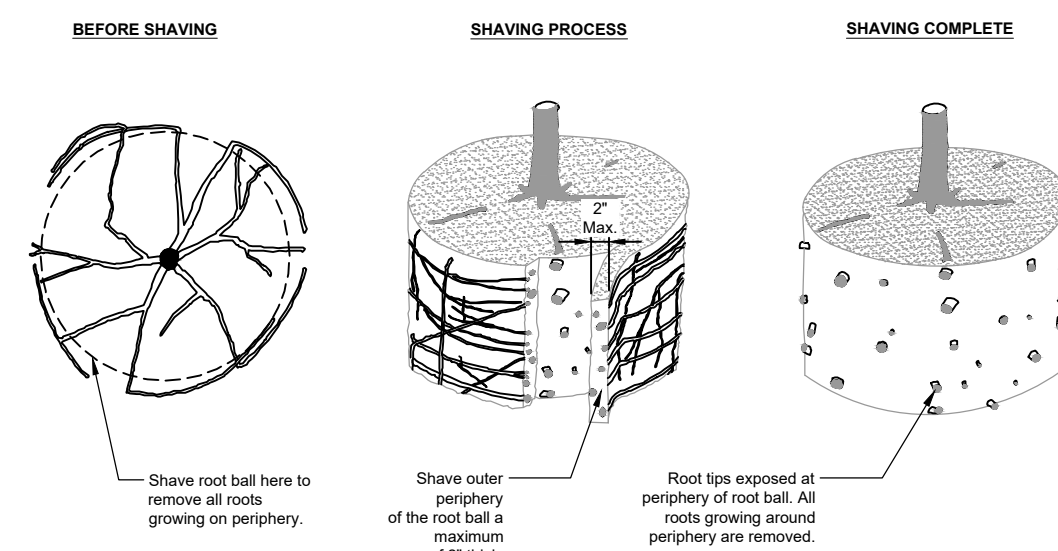
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HORZ:

SHEET TITLE

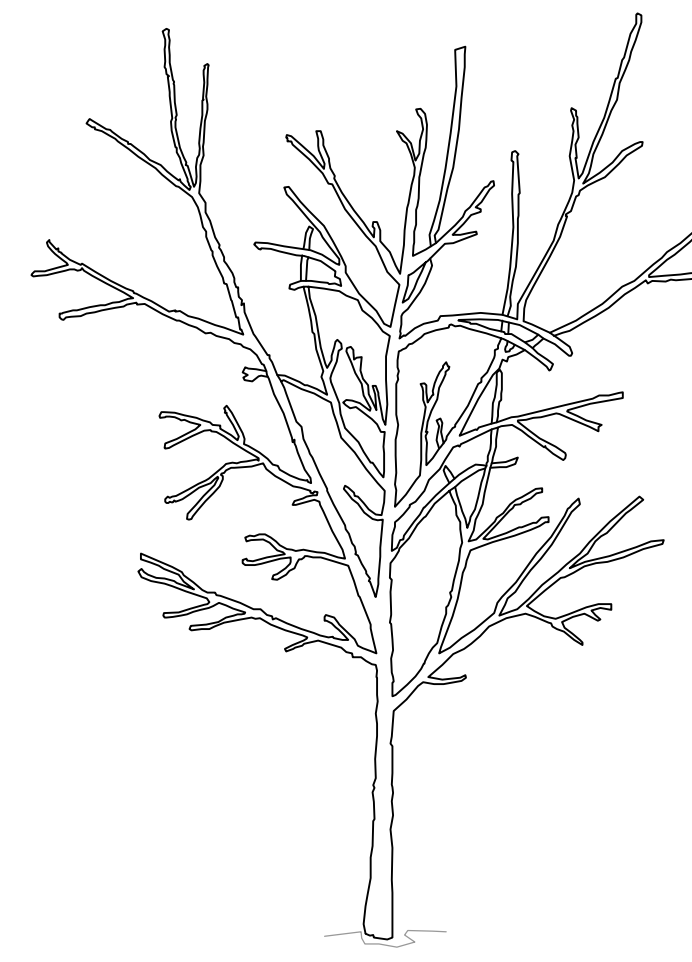
REQUIRED PLANTING SCHEDULE + CALCULATIONS

SHEET NUMBER

L4-10



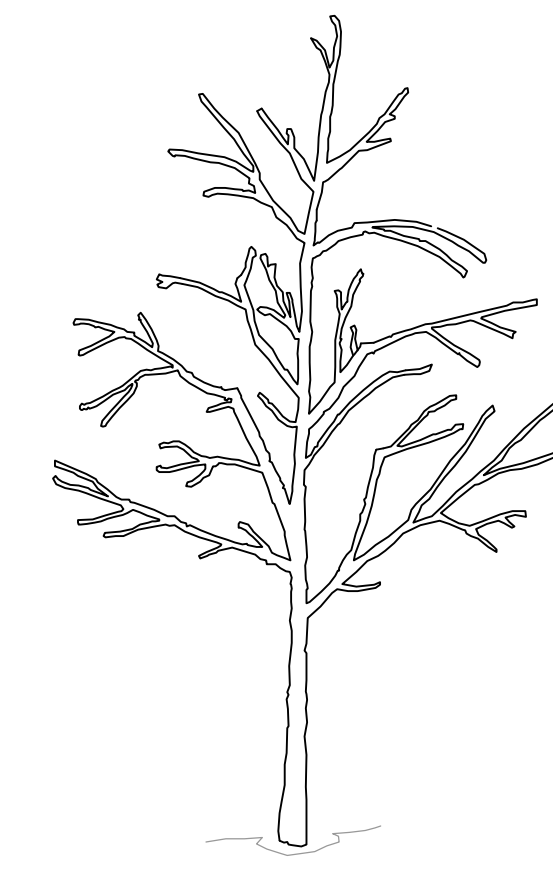
Notes:
1- Shaving to be conducted using a sharp blade or hand saw eliminating no more than needed to remove all roots on the periphery of root ball.
2- Shaving can be performed just prior to planting or after placing in the hole.



Before planting, tree has three codominant stems. The two that compete with the one in the center should be pruned to suppress their growth.



Two competing stems were reduced substantially, in this case removing about 70% of their foliage using reduction cuts.



After pruning, tree has only one dominant stem.

Notes:
1- All trees shown are rejectable unless they undergo recommended treatment.
2- Tree shall meet crown observation detail following correction.

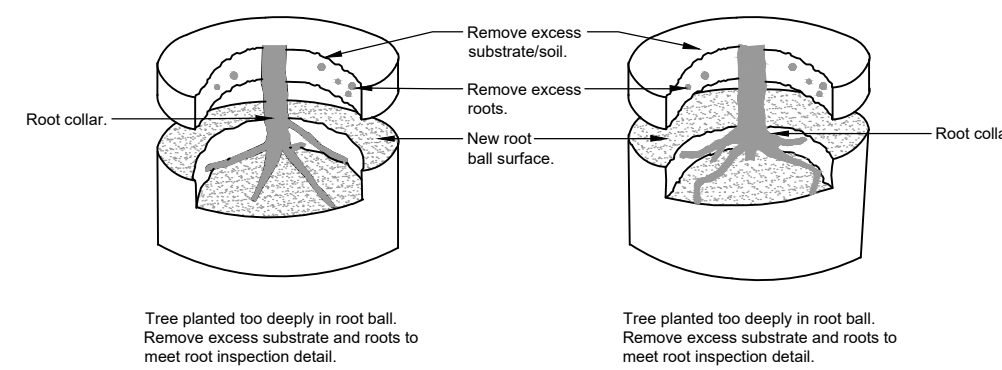
1 ROOTBALL CORRECTION - ROOT SHAVING
L4-21 PLAN / SECTION / ELEVATION

NOT TO SCALE

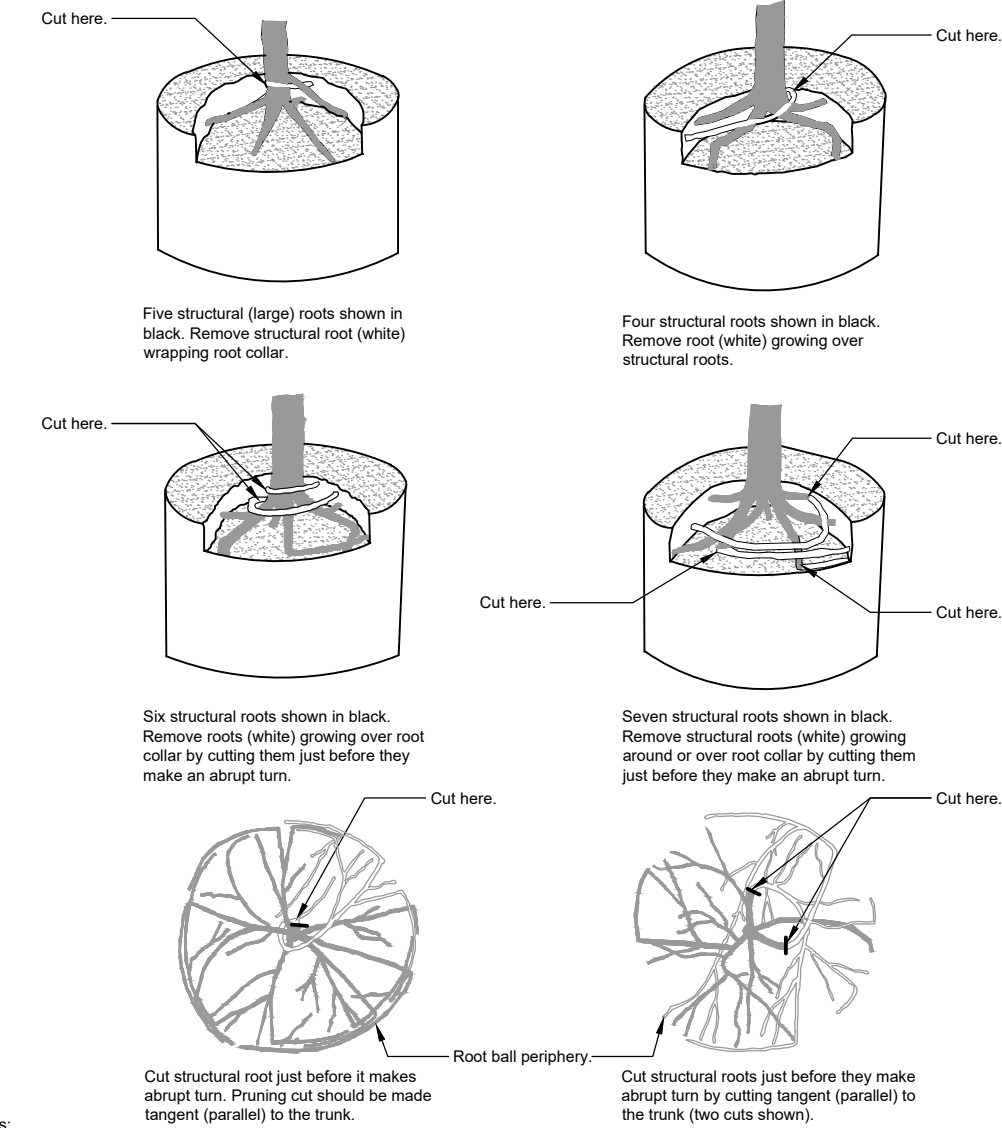
2 CROWN CORRECTION
L4-21 PLAN / SECTION / ELEVATION

NOT TO SCALE

Step 1 - Remove substrate over root collar.



Step 2 - Remove defects.



Notes:
1- All trees shown are rejectable unless they undergo recommended correction.
2- First Step 1, then Step 2. Roots and soil may be removed during the correction process; substrate/soil shall be replaced after correction has been completed.
3- Trees shall meet root observation detail following correction.
4- Small roots (1/4" or less) on the periphery of the root ball are common with container plant production. These small roots are not defined as "defects" and can be addressed at the time of installation (See root ball shaving container detail).

3 ROOTBALL CORRECTION - CONTAINER GROWN
L4-21 PLAN / SECTION / ELEVATION

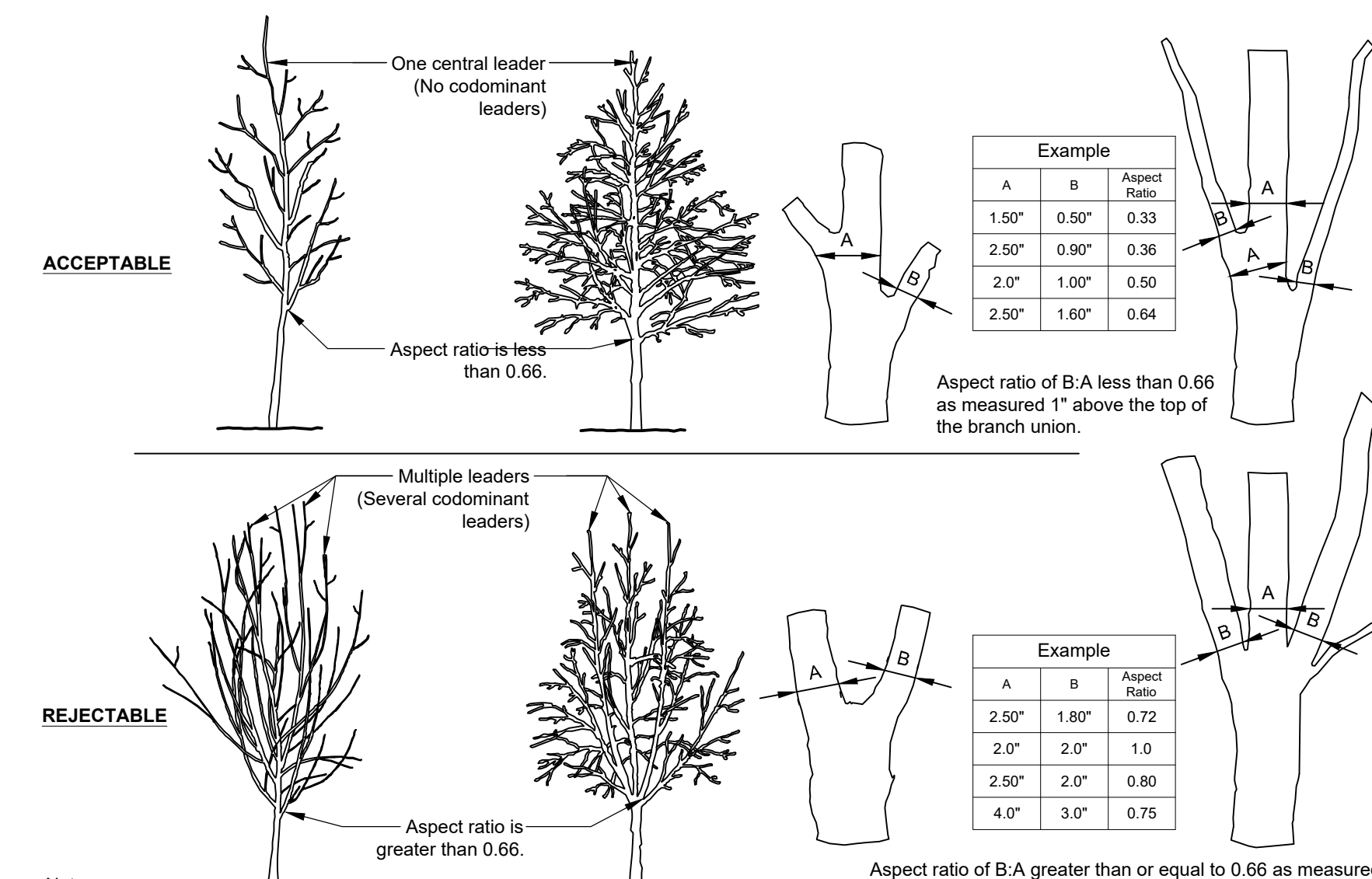
NOT TO SCALE

4 SOIL MODIFICATION FOR PLANTING AREAS
L4-21 PLAN / SECTION / ELEVATION

NOT TO SCALE



Notes:
1- See planting soil specifications for additional requirements.



Notes:
1- Aspect ratio shall be less than 0.66 on all branch unions. Aspect ratio is the diameter of branch (B) divided by the diameter of the trunk (A) as measured 1" above the top of the branch union.
2- Any tree not meeting the crown observations detail may be rejected.

5 CROWN OBSERVATION - HIGH BRANCHING
L4-21 PLAN / SECTION / ELEVATION

NOT TO SCALE

KEY MAP

SEAL

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ENGINEER REG.# DATE

PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY

201 S ESTES DRIVE

CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH

VERT: N/A
HORZ: NTS

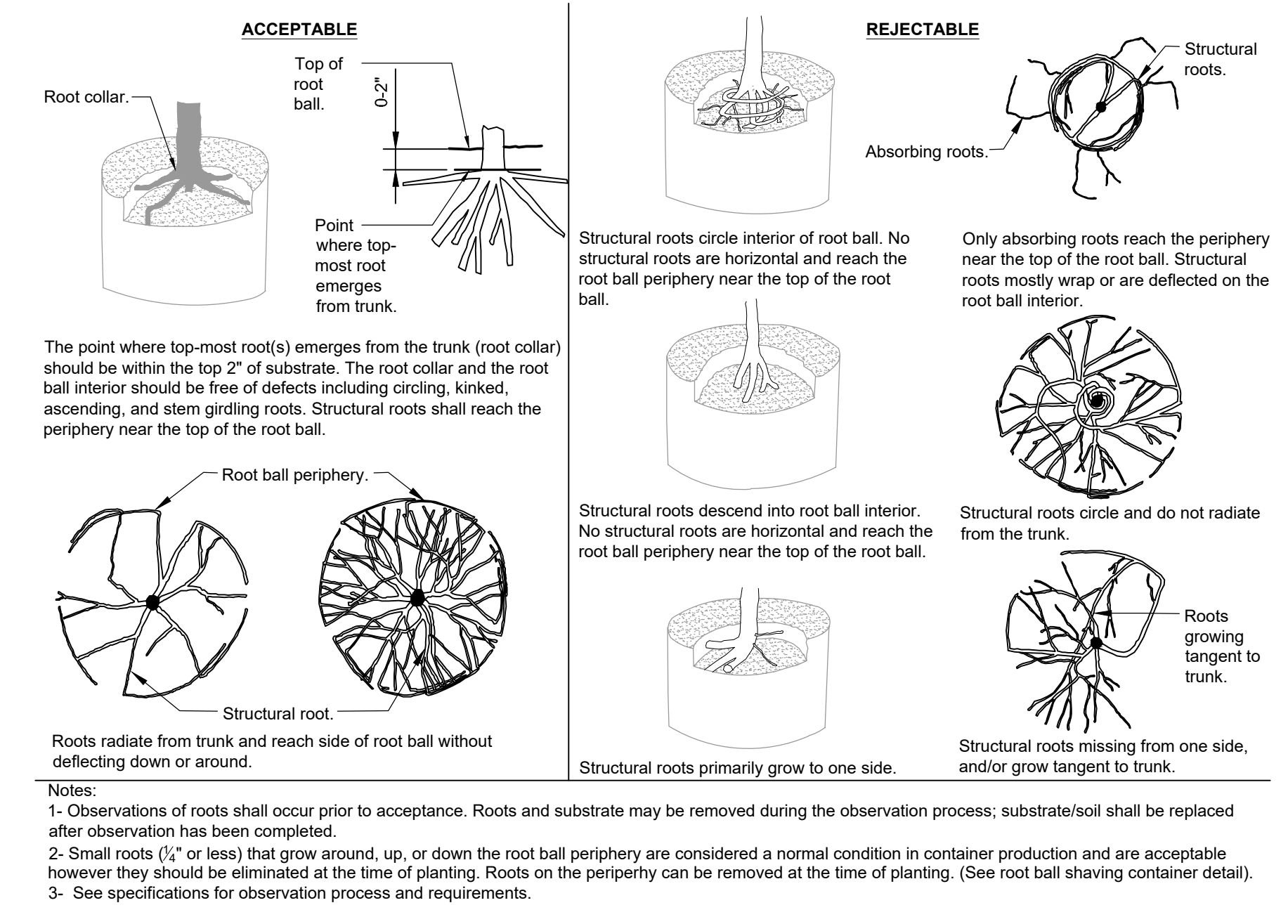
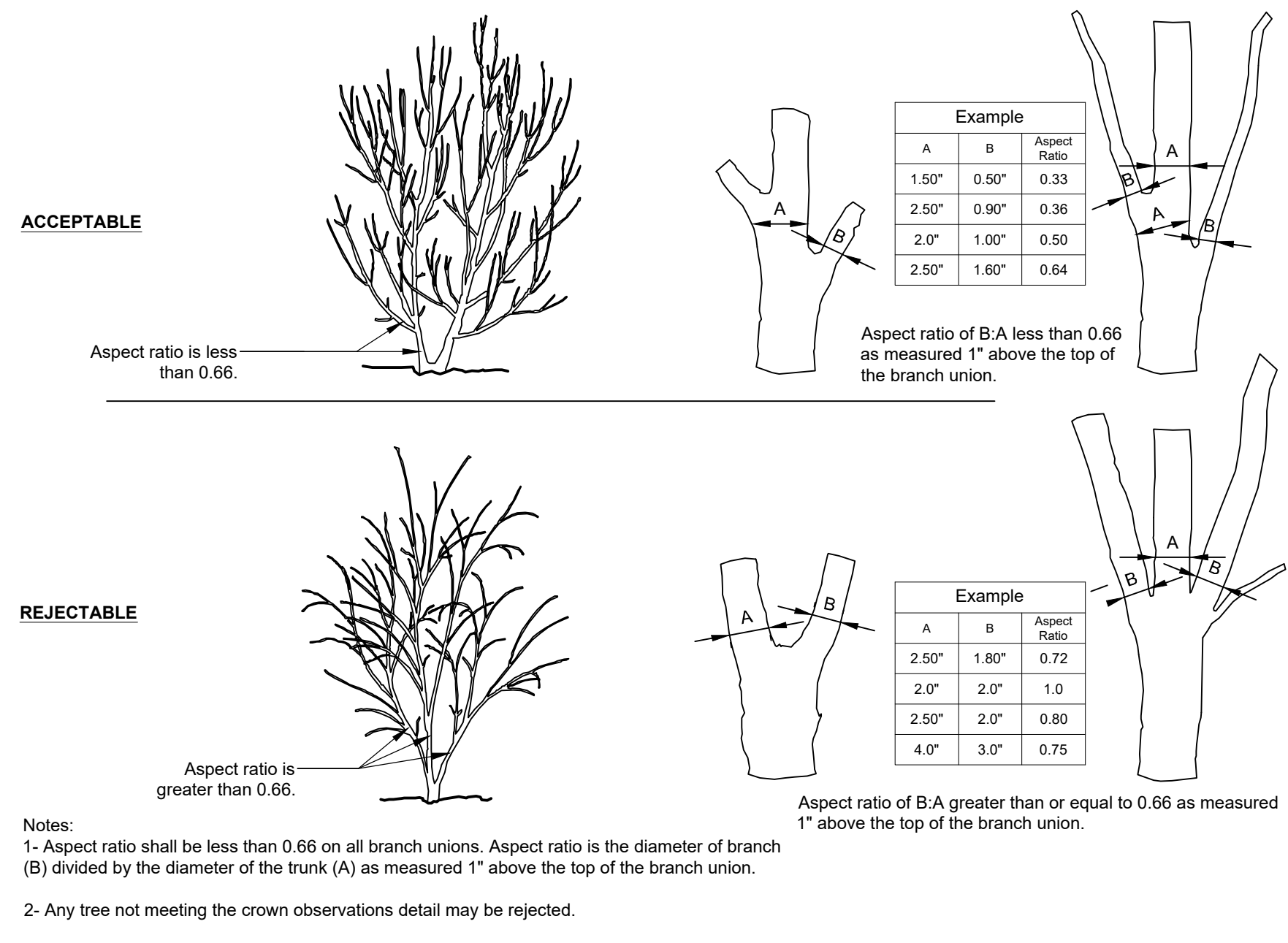
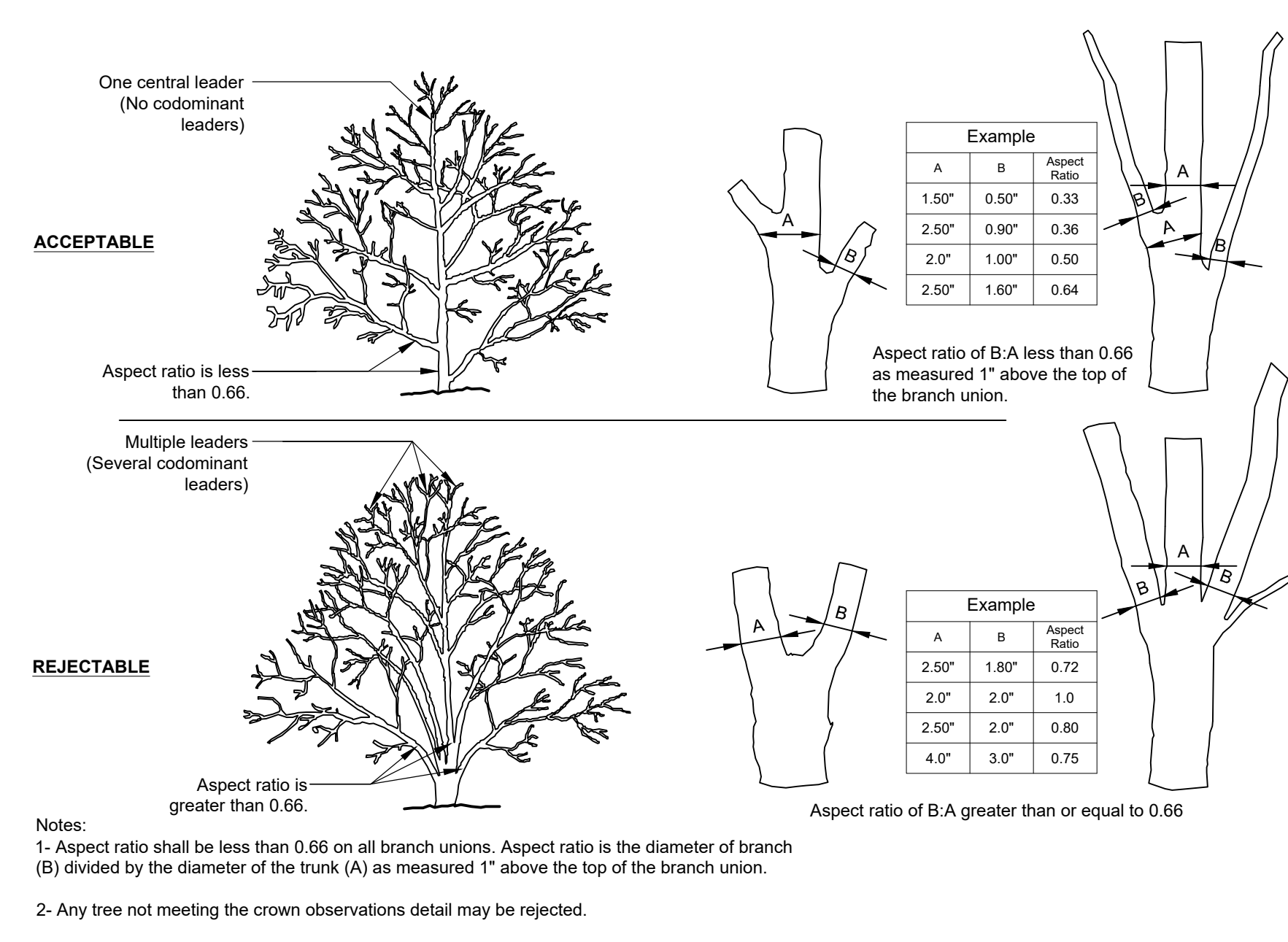
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SHEET TITLE

PLANTING DETAILS

SHEET NUMBER

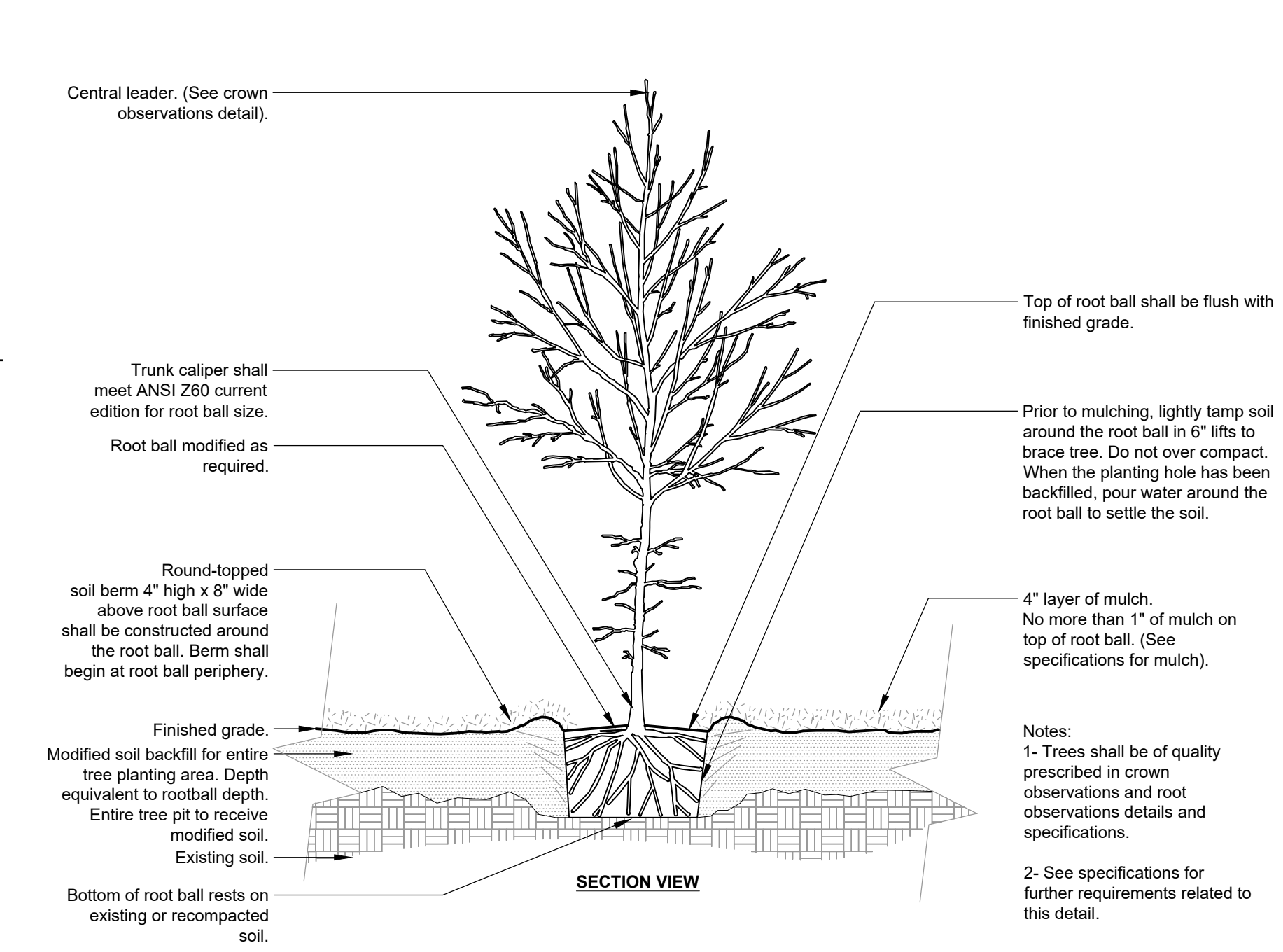
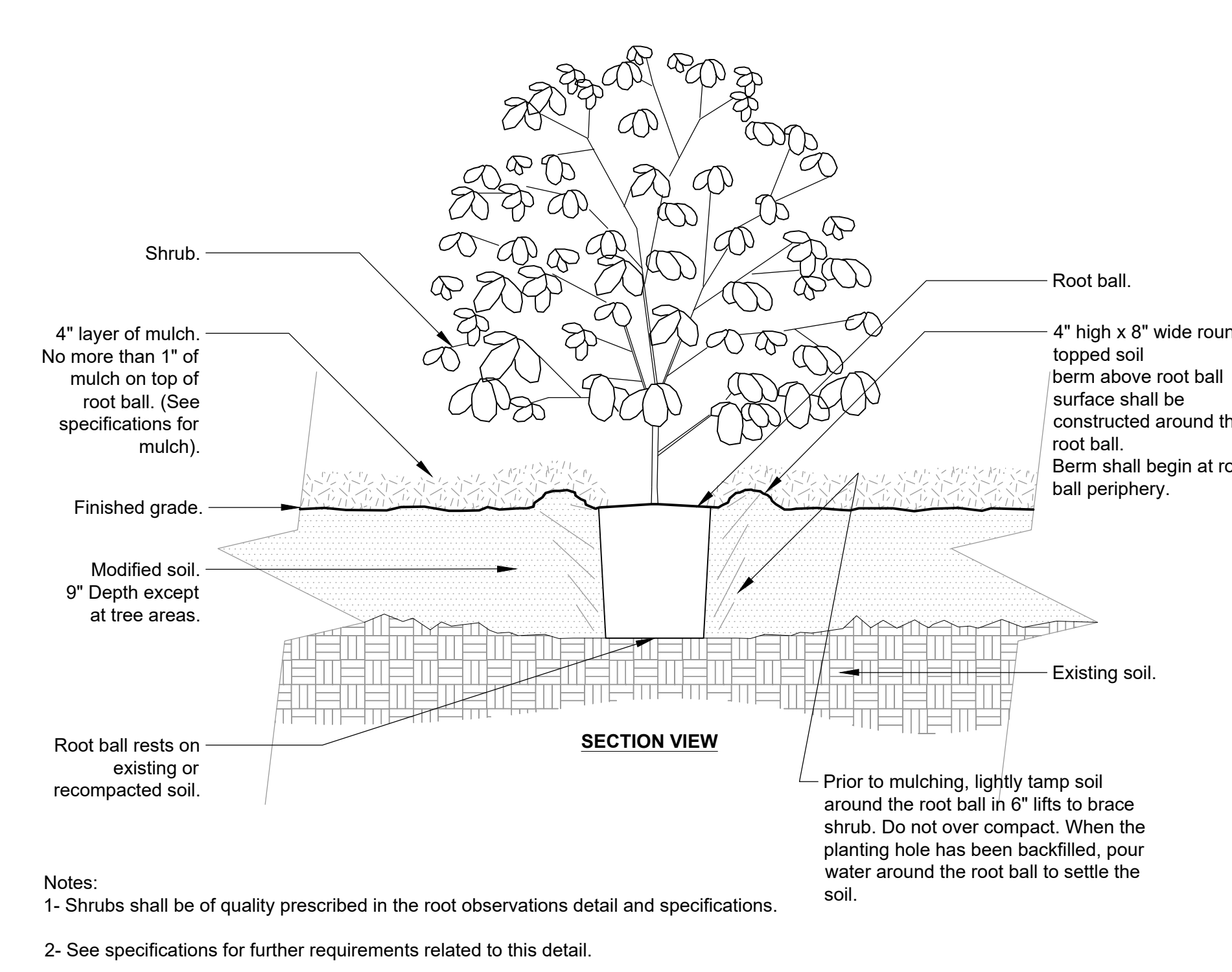
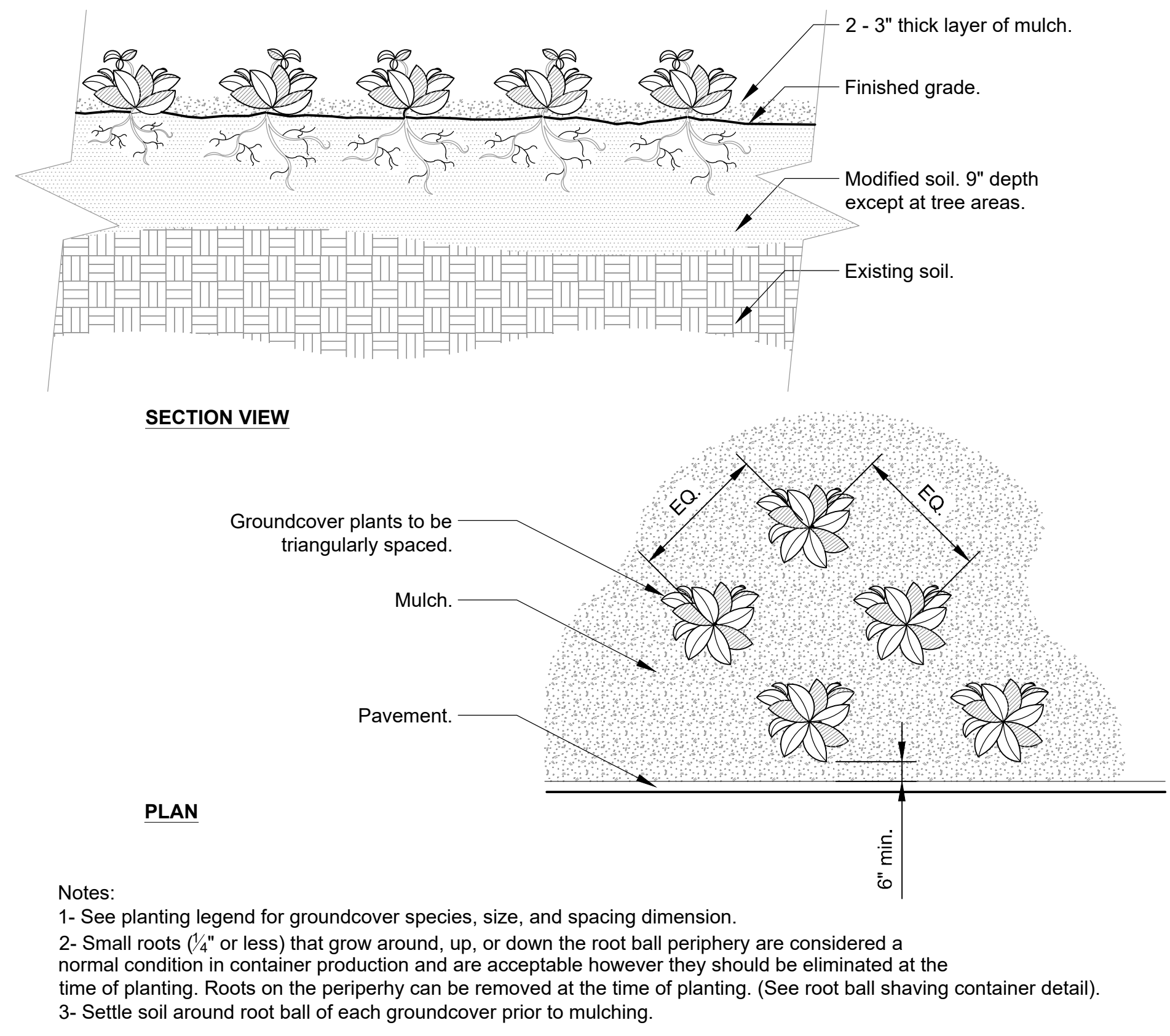
L4-21



1 CROWN OBSERVATION - LOW BRANCHING
L4-22 PLAN / SECTION / ELEVATION NOT TO SCALE

2 CROWN OBSERVATION - MULTI-STEM
L4-22 PLAN / SECTION / ELEVATION NOT TO SCALE

3 ROOT OBSERVATION - CONTAINER GROWN
L4-22 PLAN / SECTION / ELEVATION NOT TO SCALE



4 PLANT SPACING
L4-22 PLAN / SECTION / ELEVATION NOT TO SCALE

5 SHRUB PLANTING
L4-22 PLAN / SECTION / ELEVATION NOT TO SCALE

6 TREE PLANTING
L4-22 PLAN / SECTION / ELEVATION NOT TO SCALE

KEY MAP

SEAL

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ENGINEER REG.# DATE

10/22/21

UNIVERSITY PLACE PHASE 1D

RAM REALTY

201 S ESTES DRIVE

CHAPEL HILL, NC 27514

LANDDESIGN PROJ# 1019418

| REVISION / ISSUANCE | | |
|---------------------|--------------------|------------|
| NO. | DESCRIPTION | DATE |
| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE: NORTH

VERT: N/A
HORZ: NTS

(NOT TO SCALE)

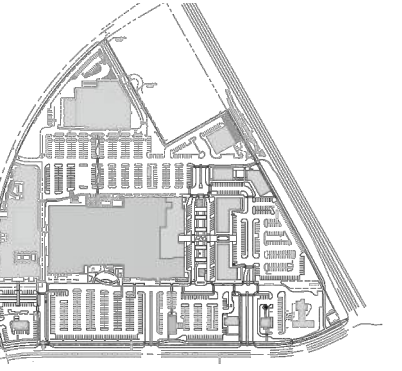
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PLANTING DETAILS

SHEET NUMBER

L4-22

KEY MAP



SEAL

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REG.# 6/15/22
 ENGINEER DATE

PROJECT

**UNIVERSITY
 PLACE PHASE 1D**

RAM REALTY
 201 S ESTES DRIVE
 CHAPEL HILL, NC 27514

LANDESIGN PROJ.# 1019418

REVISION / ISSUANCE

| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
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| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
 DRAWN BY: ZK
 CHECKED BY: AM

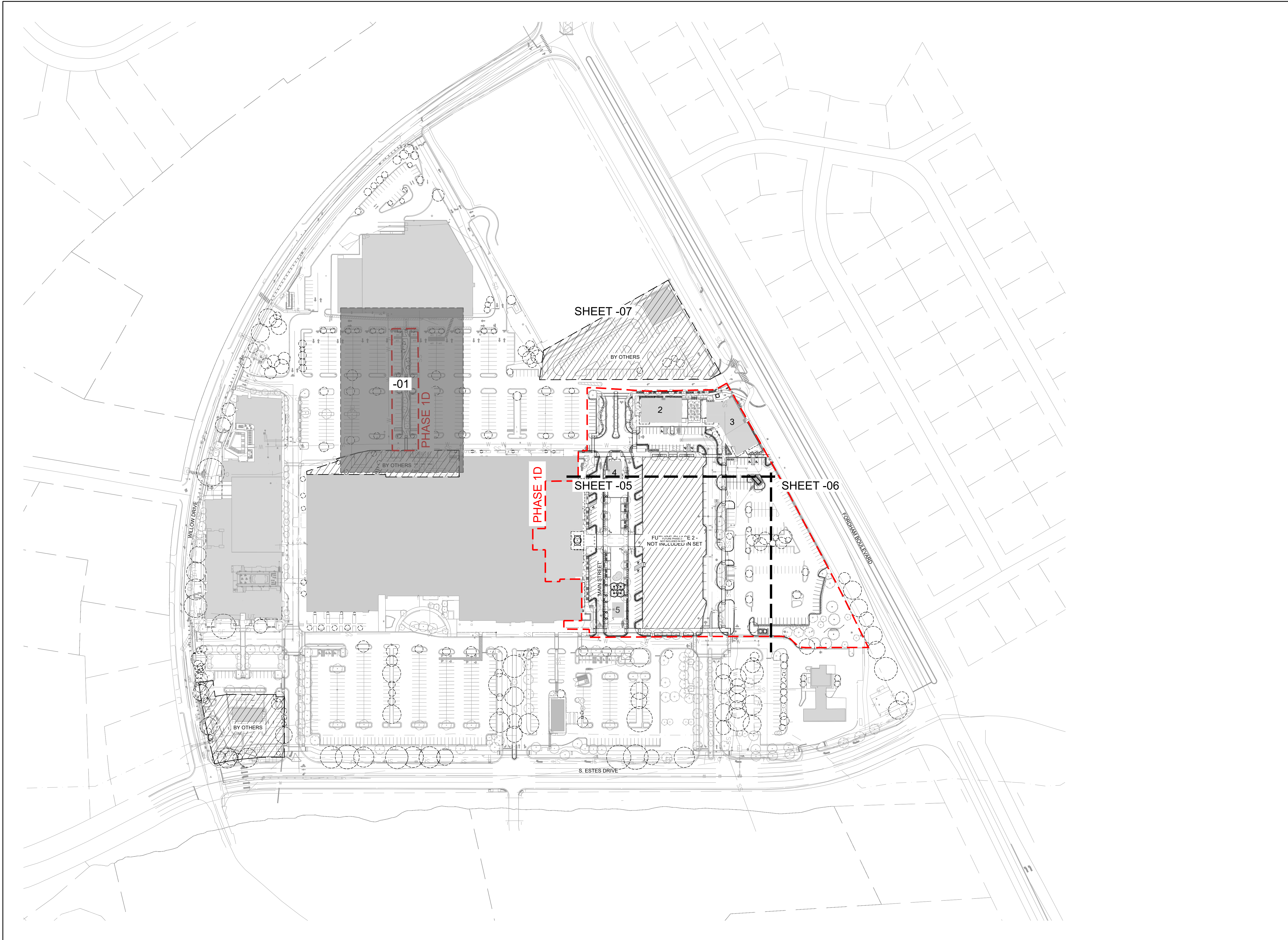
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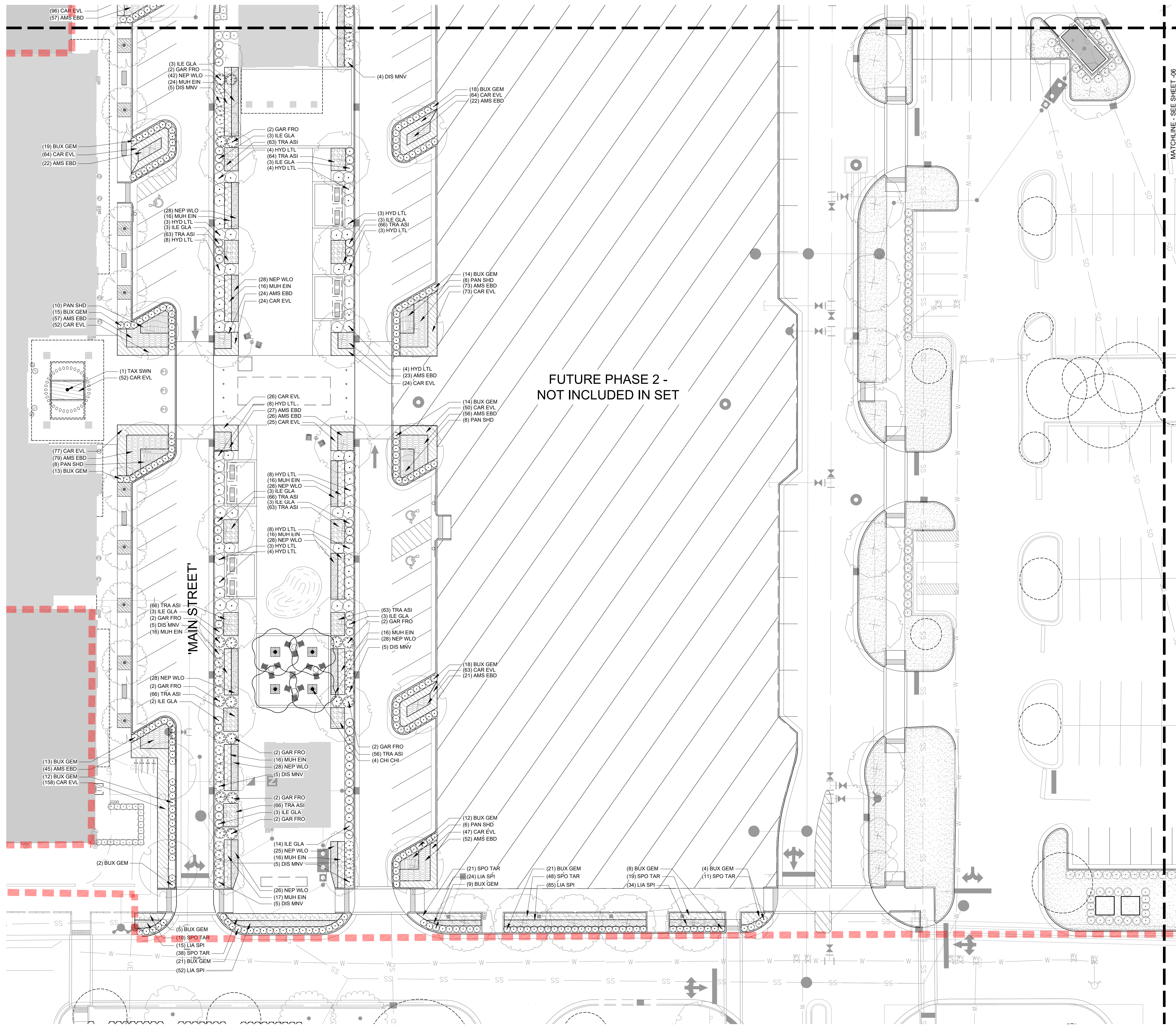
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**OVERALL SUPPLEMENTAL
 PLANTING PLAN**

SHEET NUMBER

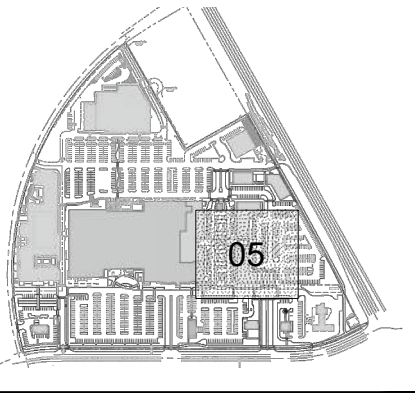
L5-00





| PLANT SCHEDULE | | |
|----------------|---------|---|
| TREES | CODE | BOTANICAL / COMMON NAME |
| | CHI CHI | Chionanthus retusus 'China Snow' / China Snow Chinese Fringe Tree |
| | TAX SWN | Taxodium distichum 'Mickelson' TM / Shawnee Brave Bald Cypress |
| SHRUBS | CODE | BOTANICAL / COMMON NAME |
| | BUX GEM | Buxus 'Green Gem' / Boxwood 'Green Gem' |
| | DIS MNV | Distylium x 'PHIDIST-V' TM / Cinnamon Girl Distylium |
| | GAR FRO | Gardenia jasminoides 'Frostproof' / Frostproof Gardenia |
| | HYD LTL | Hydrangea paniculata 'Jane' TM / Little Lime Panicle Hydrangea |
| | ILE GLA | Ilex glabra 'Compacta' / Compact Inkberry |
| | PRU OTT | Prunus laurocerasus 'Otto Luyken' / Otto Luyken English Laurel |
| | THU SMA | Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae |
| SHRUB AREAS | CODE | BOTANICAL / COMMON NAME |
| | AMS EBD | Amsonia tabernaemontana 'Blue Ice' / Strom Cloud Eastern Bluestar |
| | CAR EVL | Carex oshimensis 'Everillo' TM / EverColor Everillo Japanese Sedge |
| | LIA SPI | Liatis spicata / Blazing Star |
| | MUH EIN | Muhlenbergia capillaris / Pink Muhly Grass |
| | NEP WLO | Nepeta x 'Walker's Low' / Walker's Low Catmint |
| | PAN SHD | Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass |
| | PEN CAS | Pennisetum alopecuroides 'Cassian's Choice' / Cassian Fountain Grass |
| | PER LIT | Perovskia atriplicifolia 'Little Spire' / Little Spire Russian Sage |
| | SPO TAR | Sporobolus heterolepis 'Tara' / Tara Prairie Dropseed |
| GROUND COVERS | CODE | BOTANICAL / COMMON NAME |
| | SED WEI | Sedum kamtschaticum 'Weihenstephaner Gold' / Weihenstephaner Gold Stonecrop |
| | TRA ASI | Trachelospermum asiaticum / Asiatic Jasmine |
| | VIN MIN | Vinca minor / Common Periwinkle |
| TURF | CODE | BOTANICAL / COMMON NAME |
| | TUR SOD | Turf Grass / SOD |

KEY MAP



SCALE

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UNIVERSITY PLACE PHASE 1D

PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

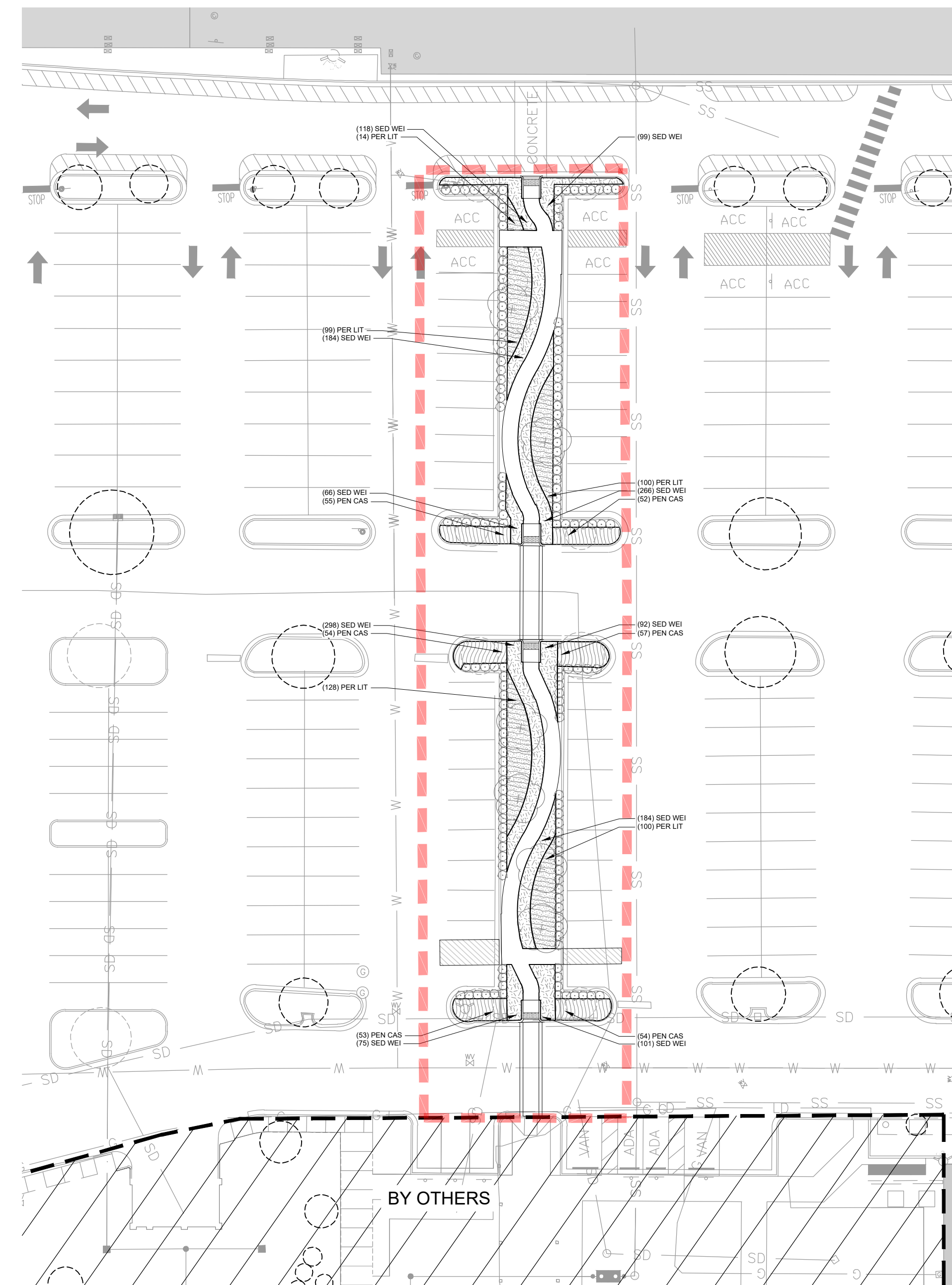
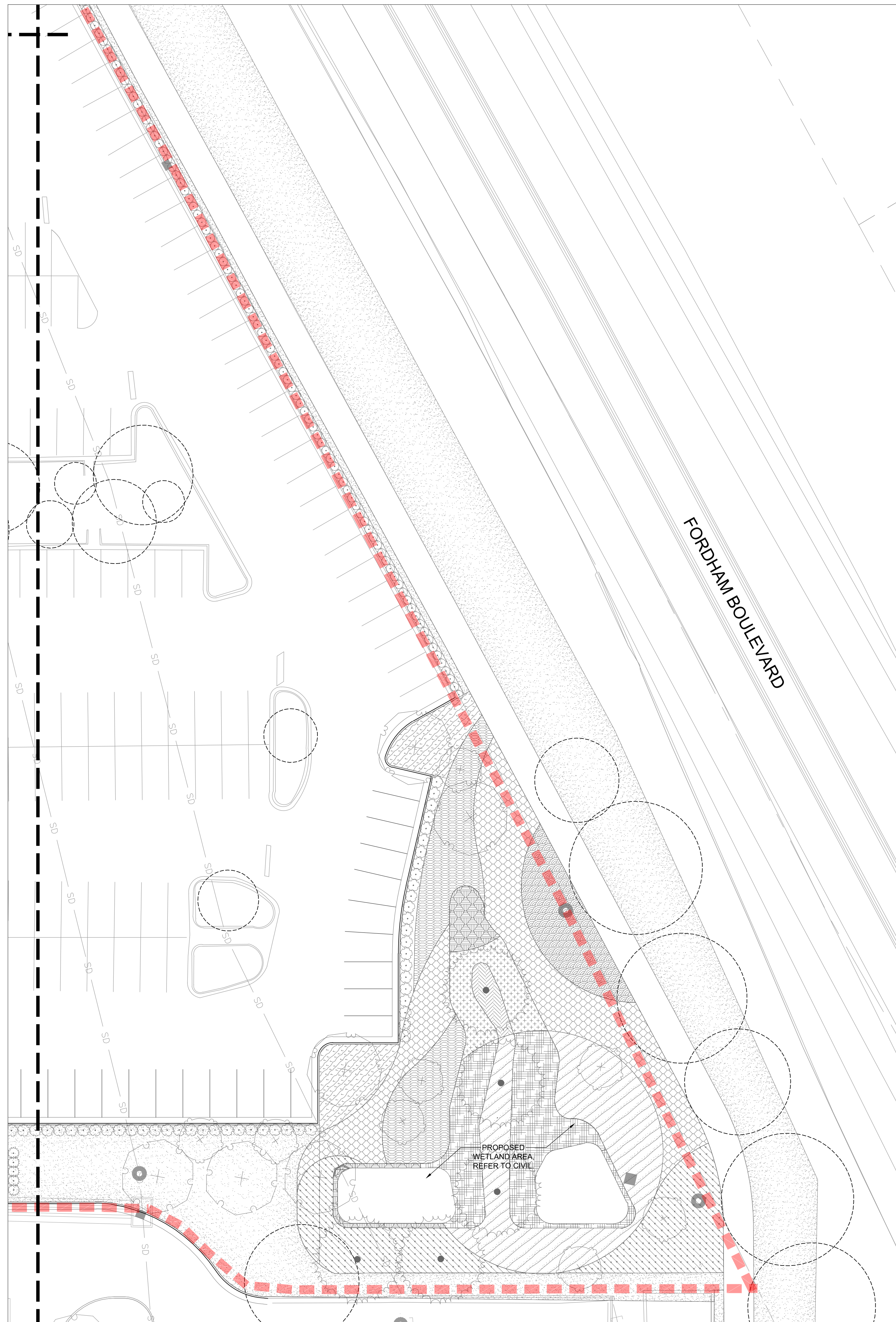
| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
| 1 | ZCP | 11.12.2021 |
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| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH
VERT: N/A
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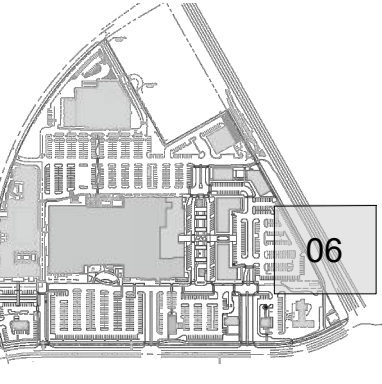
SHEET TITLE
SUPPLEMENTAL PLANTING
PLAN ENLARGEMENT 5

SHEET NUMBER
L5-05



| PLANT SCHEDULE | | |
|----------------|---------|---|
| TREES | CODE | BOTANICAL / COMMON NAME |
| | CHI CHI | Chionanthus retusus 'China Snow' / China Snow Chinese Fringe Tree |
| | TAX SWN | Taxodium distichum 'Mickelson' TM / Shawnee Brave Bald Cypress |
| SHRUBS | CODE | BOTANICAL / COMMON NAME |
| | BUX GEM | Buxus 'Green Gem' / Boxwood 'Green Gem' |
| | DIS MNV | Distylium x 'PHIDIST-V' TM / Cinnamon Girl Distylium |
| | GAR FRO | Gardenia jasminoides 'Frostproof' / Frostproof Gardenia |
| | HYD LTL | Hydrangea paniculata 'Jane' TM / Little Lime Panicle Hydrangea |
| | ILE GLA | Ilex glabra 'Compacta' / Compact Inkberry |
| | PRU OTT | Prunus laurocerasus 'Otto Luyken' / Otto Luyken English Laurel |
| | THU SMA | Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae |
| SHRUB AREAS | CODE | BOTANICAL / COMMON NAME |
| | AMS EBD | Amsonia tabernaemontana 'Blue Ice' / Strom Cloud Eastern Bluestar |
| | CAR EVL | Carex oshimensis 'Everillo' TM / EverColor Everillo Japanese Sedge |
| | LIA SPI | Liatis spicata / Blazing Star |
| | MUH EIN | Muhlenbergia capillaris / Pink Muhly Grass |
| | NEP WLO | Nepeta x 'Walker's Low' / Walker's Low Catmint |
| | PAN SHD | Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass |
| | PEN CAS | Pennisetum alopecuroides 'Cassian's Choice' / Cassian Fountain Grass |
| | PER LIT | Perovskia atriplicifolia 'Little Spire' / Little Spire Russian Sage |
| | SPO TAR | Sporobolus heterolepis 'Tara' / Tara Prairie Dropseed |
| GROUND COVERS | CODE | BOTANICAL / COMMON NAME |
| | SED WEI | Sedum kamtschaticum 'Weihestephaner Gold' / Weihestephaner Gold Stonecrop |
| | TRA ASI | Trachelospermum asiaticum / Asiatic Jasmine |
| | VIN MIN | Vinca minor / Common Periwinkle |
| TURF | CODE | BOTANICAL / COMMON NAME |
| | TUR SOD | Turf Grass SOD |

KEY MAP



SEAL

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PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

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| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE

VERT: N/A
HORZ: 1"=20'

SHEET TITLE

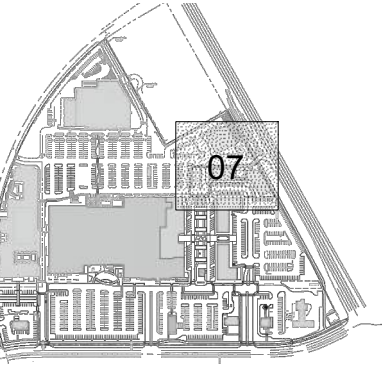
SUPPLEMENTAL PLANTING PLAN ENLARGEMENT 6

SHEET NUMBER

L5-06

| PLANT SCHEDULE | | |
|----------------|---------|--|
| TREES | CODE | BOTANICAL / COMMON NAME |
| | CHI CHI | Chionanthus relatus 'China Snow' China Snow Chinese Fringe Tree |
| | TAX SWN | Taxodium distichum 'Mickelson' TM Shawnee Brave Bald Cypress |
| SHRUBS | CODE | BOTANICAL / COMMON NAME |
| | BUX GEM | Buxus 'Green Gem' Boxwood 'Green Gem' |
| | DIS MNV | Distylium x 'PHIDIST-V' TM Cinnamon Girl Distylium |
| | GAR FRO | Gardenia jasminoides 'Frostproof' Frostproof Gardenia |
| | HYD LTL | Hydrangea paniculata 'Jane' TM Little Lime Panicle Hydrangea |
| | ILE GLA | Ilex glabra 'Compacta' Compact Inkberry |
| | PRU OTT | Prunus laurocerasus 'Otto Luyken' Otto Luyken English Laurel |
| | THU SMA | Thuja occidentalis 'Smaragd' Emerald Green Arborvitae |
| SHRUB AREAS | CODE | BOTANICAL / COMMON NAME |
| | AMS EBD | Amsonia tabernaemontana 'Blue Ice' Strom Cloud Eastern Bluestar |
| | CAR EVL | Carex oshimensis 'Everillo' TM EverColor Everillo Japanese Sedge |
| | LIA SPI | Liatris spicata Blazing Star |
| | MUH EIN | Muhlenbergia capillaris Pink Muhly Grass |
| | NEP WLO | Nepeta x 'Walker's Low' Walker's Low Catmint |
| | PAN SHD | Panicum virgatum 'Shenandoah' Shenandoah Switch Grass |
| | PEN CAS | Pennisetum alopecuroides 'Cassian's Choice' Cassian Fountain Grass |
| | PER LIT | Perovskia atriplicifolia 'Little Spire' Little Spire Russian Sage |
| | SPO TAR | Sporobolus heterolepis 'Tara' Tara Prairie Dropseed |
| GROUND COVERS | CODE | BOTANICAL / COMMON NAME |
| | SED WEI | Sedum kamtschaticum 'Weihestephaner Gold' Weihestephaner Gold Stonecrop |
| | TRA ASI | Trachelospermum asiaticum Asiatic Jasmine |
| | VIN MIN | Vinca minor Common Periwinkle |
| TURF | CODE | BOTANICAL / COMMON NAME |
| | TUR SOD | Turf Grass SOD |

KEY MAP



SCALE

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PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY

201 S ESTES DRIVE

CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

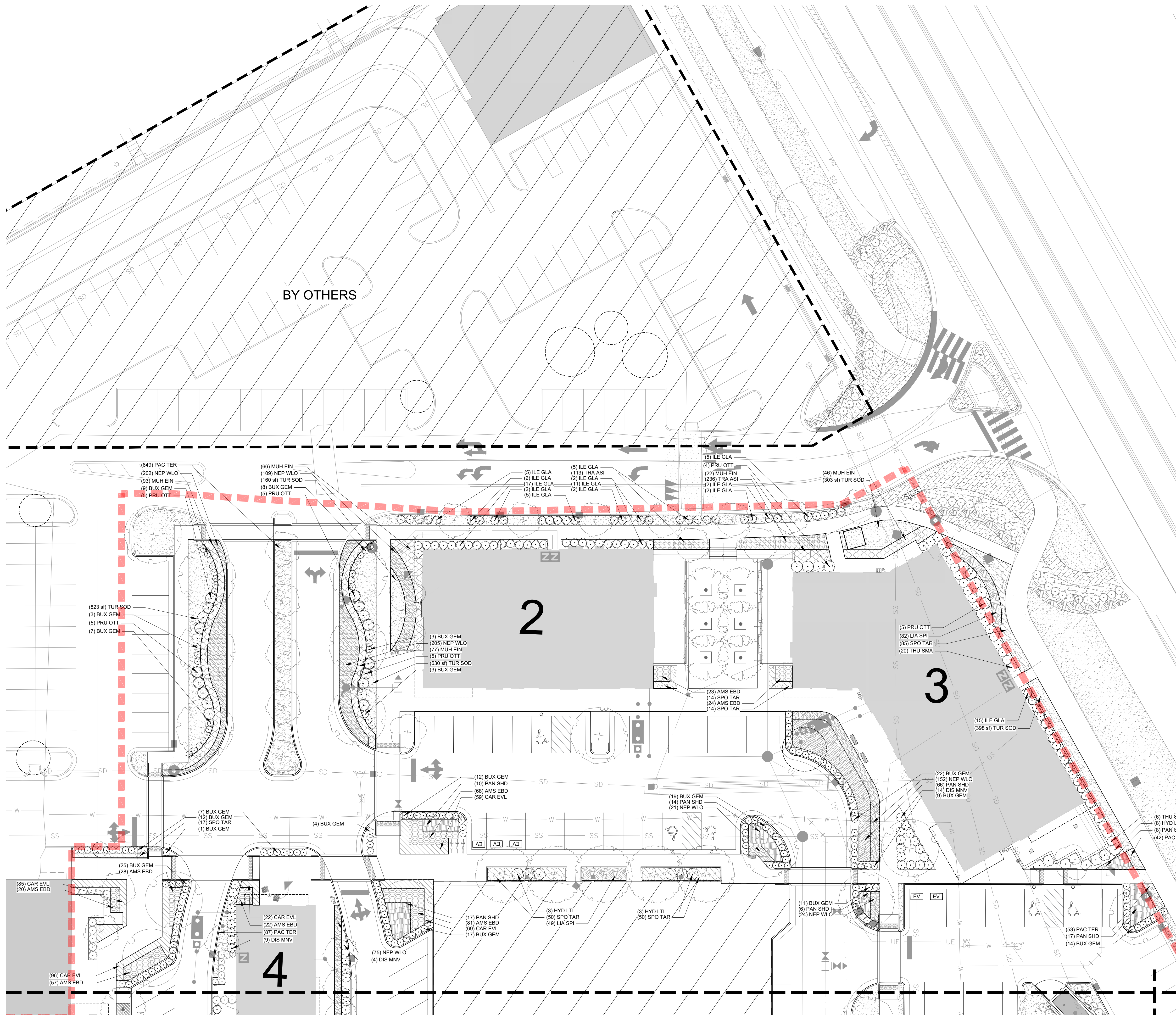
| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH
VERT: N/A
HORZ: 1"=20'
0 10 20 40'

SHEET TITLE
SUPPLEMENTAL PLANTING PLAN ENLARGEMENT 7

SHEET NUMBER
L5-07

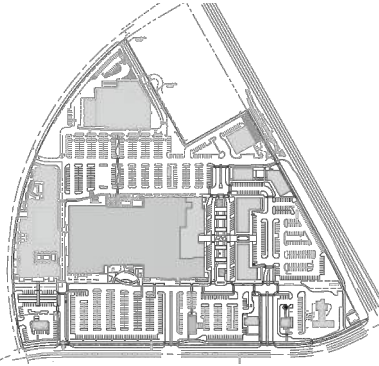


SUPPLEMENTAL PLANTING SCHEDULE

| PLANT SCHEDULE | | | | | | | | | |
|----------------|---------|----------|---|-----------------------------------|------------|-----------|-----------|---|--------------------|
| TREES | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | MIN. CAL. | MIN. HT. | REMARKS | |
| | CHI CHI | 4 | Chionanthus retusus 'China Snow' | China Snow Chinese Fringe Tree | B&B | - | 16-18' | MULTI-STEM, 3 STEMS. SPECIMEN TREE. | |
| | TAX SWN | 1 | Taxodium distichum 'Mickelson' TM | Shawnee Brave Bald Cypress | B&B | 8" CAL | 18-20' HT | STRONG CENTRAL LEADER. SPECIMEN TREE. | |
| SHRUBS | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | REMARKS | |
| | BUX GEM | 404 | Buxus 'Green Gem' | Boxwood 'Green Gem'l | #3 | As Shown | 24" | FULL TO CONTAINER | |
| | DIS MNV | 61 | Distylium x 'PIIDIST-V' TM | Cinnamon Girl Distylium | #3 | As Shown | 24-36" | FULL TO CONTAINER | |
| | GAR FRO | 18 | Gardenia jasminoides 'Frostproof' | Frostproof Gardenia | #5 | As Shown | 36" | FULL TO CONTAINER | |
| | HYD LTL | 74 | Hydrangea paniculata 'Jane' TM | Little Lime Panicle Hydrangea | #5 | As Shown | 36" | FULL TO CONTAINER | |
| | ILE GLA | 121 | Ilex glabra 'Compacta' | Compact Inkberry | #3 | As Shown | 24" | FULL TO CONTAINER | |
| | PRU OTT | 29 | Prunus laurocerasus 'Otto Luyken' | Otto Luyken English Laurel | #5 | As Shown | 36" | FULL TO CONTAINER | |
| | THU SMA | 26 | Thuja occidentalis 'Smaragd' | Emerald Green Arborvitae | #7 | As Shown | 48" | FULL TO CONTAINER. STRONG CENTRAL LEADER, UPRIGHT GROWTH. | |
| SHRUB AREAS | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | SPACING | REMARKS |
| | AMS EBD | 850 | Amsonia tabernaemontana 'Blue Ice' | Strom Cloud Eastern Bluestar | #1 | 18" O.C. | 18-24" | 18" o.c. | FULL TO CONTAINER. |
| | CAR EVL | 1,130 | Carex oshimensis 'Everillo' TM | EverColor Everillo Japanese Sedge | #1 | 18" O.C. | 12" | 18" o.c. | FULL TO CONTAINER |
| | LIA SPI | 341 | Liatris spicata | Blazing Star | #1 | 18" O.C. | 12" | 18" o.c. | FULL TO CONTAINER |
| | MUH EIN | 473 | Muhlenbergia capillaris | Pink Muhly Grass | #3 | 24" O.C. | 18-24" | 24" o.c. | FULL TO CONTAINER. |
| | NEP WLO | 1,078 | Nepeta x 'Walker's Low' | Walker's Low Catmint | #1 | 18" O.C. | 12" | 18" o.c. | FULL TO CONTAINER |
| | PAN SHD | 178 | Panicum virgatum 'Shenandoah' | Shenandoah Switch Grass | #3 | 36" O.C. | 36" | 36" o.c. | FULL TO CONTAINER |
| | PEN CAS | 325 | Pennisetum alopecuroides 'Cassian's Choice' | Cassian Fountain Grass | #1 | 18" O.C. | 12" | 18" o.c. | |
| | PER LIT | 441 | Perovskia atriplicifolia 'Little Spire' | Little Spire Russian Sage | #1 | 18" O.C. | 24" | 18" o.c. | FULL TO CONTAINER. |
| | SPO TAR | 377 | Sporobolus heterolepis 'Tara' | Tara Prairie Dropseed | #3 | 24" O.C. | 12" | 24" o.c. | FULL TO CONTAINER |
| GROUND COVERS | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | SPACING | REMARKS |
| | PAC TER | 1,031 | Pachysandra terminalis | Japanese Spurge | #SP4 | 12" O.C. | 6" | 12" o.c. | FULL TO CONTAINER |
| | SED WEI | 1,483 | Sedum kamtschaticum 'Weiherstephaner Gold' | Weiherstephaner Gold Stonecrop | #SP4 | 12" O.C. | 6" | 12" o.c. | FULL TO CONTAINER |
| | TRA ASI | 1,051 | Trachelospermum asiaticum | Asiatic Jasmine | #SP4 | 12" O.C. | 6" | 12" o.c. | FULL TO CONTAINER |
| TURF | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. CONT. | SPACING | MIN. HT. | SPACING | REMARKS |
| | TUR SOD | 2,314 sf | Turf Grass | SOD | SOD | - | - | | |

NOTE: HOLD ALLOWANCE FOR PLANTER POT PLANTINGS THAT CONSIST OF 25% GROUND COVER, 50% SMALL HERBACEOUS PERENNIAL, AND 25% SMALL EVERGREEN PERENNIAL.

KEY MAP



SEAL

PRELIMINARY
-FOR REVIEW ONLY-
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ENGINEER REG.# DATE

PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

| NO. | DESCRIPTION | DATE |
|-----|--------------------|------------|
| 1 | ZCP | 11.12.2021 |
| 2 | ZCP | 04.22.2022 |
| 3 | ZCP | 06.29.2022 |
| 4 | OWNER COORDINATION | 07.26.2022 |
| 5 | ZCP | 08.24.2022 |

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH

VERT: N/A
HORZ:

SHEET TITLE

SUPPLEMENTAL PLANTING SCHEDULE

SHEET NUMBER

L5-10