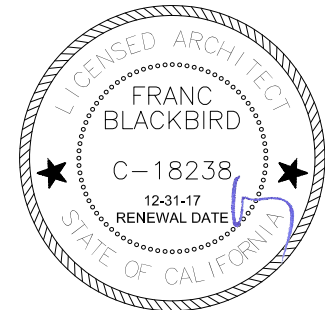


UNIVERSITY OF CALIFORNIA
DAVIS
255 COUSTEAU PLACE
DAVIS, CA 96618



EXISTING TREE TO BE REMOVED WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. REMOVE STUMP AND ROOTS BELOW GRADE.

EXISTING HERITAGE TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS.

EXISTING TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS

EXISTING TREE PROTECTION ZONE AND FENCING, SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION FENCING

7000

EXISTING BUILDING TO BE DEMOLISHED

EXISTING TREES OUTSIDE OF PROJECT AREA TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. NO TREE PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED.

1. SEE ENLARGED SITE PLANS 1.1 THROUGH 1.7 FOR DETAILED DEMOLITION NOTES ON REMOVAL OF EXISTING BUILDING STRUCTURES, SURFACE IMPROVEMENTS, SITE PAVING, SITE FURNISHINGS, TREES, ETC.
2. CONTRACTOR SHALL OBTAIN AND FILE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO START OF CONSTRUCTION AND WILL INCLUDE BEST MANAGEMENT PRACTICE (BMP) ON SITE.
3. CONTRACTOR WILL PROVIDE SECURITY MEASURES AND A TRAFFIC CONTROL PLAN TO PROTECT ADJACENT PROPERTIES FROM DANGER AND TRAFFIC CONCERNS. ALL CONTRACTOR EMPLOYEES WILL PARK WITHIN THE CONSTRUCTION SITE BOUNDARIES. CONTRACTOR SHALL TAKE MEASURES TO PREVENT TRACKING DIRT FROM CONSTRUCTION SITE TO ADJACENT PAVED STREETS AND SHALL CLEAN ANY DIRT TRACKED ONTO ADJACENT PAVED STREETS DAILY.
4. CONTRACTOR SHALL CONSTRUCT PROTECTIVE FENCING AROUND DRIP LINE OF ALL TREES TO REMAIN PRIOR TO STARTING ANY WORK, SEE SHEET L1.0. SEE SPECIFICATION 01.56.39 TREE AND PLANT PROTECTION FOR TREE REPAIR AND COMPENSATION FOR ANY TREE TO REMAIN WHICH IS INJURED OR DESTROYED OWING TO CONTRACTORS FAILURE TO PROVIDE ADEQUATE PROTECTION.
5. EXISTING UTILITIES LOCATED WITHIN DRIPLINES OF DESIGNATED HERITAGE TREES SHALL BE ABANDONED IN PLACE, SEE CIVIL DRAWINGS
6. NOTIFY UNIVERSITY REPRESENTATIVE PRIOR TO START OF DEMOLITION. CONTRACTOR TO PROVIDE ON-SITE SECURITY AND FIRE WATCH 24/7 DURING BUILDING DEMOLITION.
7. DEMOLITION WORK WILL TAKE PLACE DURING STANDARD WORKING HOURS AND IN COMPLIANCE WITH CITY OF DAVIS MUNICIPAL CODE, INCLUDING DUST MITIGATION MEASURES.
8. REMOVED MATERIAL (UTILITY PIPE, CONDUITS, WIRE, SUBSURFACE STRUCTURES, ABOVE GROUND BUILDING STRUCTURES, APPLIANCES, LANDSCAPE FURNISHINGS, FENCING, ETC.) SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ALL REMOVED MATERIAL SHALL BE SEPARATED INTO RECYCLE AND NON-RECYCLABLE WASTE STREAMS. CONTRACTOR WILL KEEP A RECORD OF THE PERCENTAGE OF RECYCLED MATERIALS. RECYCLE AND NON-RECYCLABLE MATERIAL SHALL BE HAULED OFFSITE AND DISPOSED OF IN A LEGAL MANNER. DISPOSAL OF REMOVED MATERIALS SHALL INCLUDE ANY FEES.
9. SEPARATE APPLIANCES WITH REFRIGERANTS AND COORDINATE WITH UNIVERSITY REPRESENTATIVE TO ENSURE UNIVERSITY REQUIREMENTS ARE FOLLOWED FOR PROPER REFRIGERANT RECOVERY AND DISPOSAL (REFRIGERATORS, AIR CONDITIONERS, ETC.).
10. FOR UTILITY REMOVAL, SEE CIVIL DRAWINGS. UTILITY REMOVAL WILL INCLUDE, BUT IS NOT LIMITED TO, REMOVAL OF UNDERGROUND PIPE, CONDUIT, WIRE, STRUCTURES VAULTS POLES, FOOTINGS, BOXES, TRANSFORMERS, ETC.
11. PG&E PROVIDES SERVICE TO UCD OWNED HIGH VOLTAGE SWITCHGEAR, ELECTRIC SERVICE TO THE SITE IS OWNED BY UCD HOUSING. CONTRACTOR TO COORDINATE WITH UCD UTILITIES AND PG&E TO REMOVE POWER TO SWITCHGEAR.
12. EXISTING CONCRETE AND ASPHALT CONCRETE PAVING WILL BE PULVERIZED AND STOCKPILED SEPARATELY ONSITE FOR USE AS AGGREGATE SUB-BASE FOR A FUTURE PROJECT.
13. CLEAR AND GRUB ALL TURF, GROUND COVER, SHRUBS AND TREES UP TO AND INCLUDING 4" IN DIAMETER WHICH ARE NOT TAGGED WITH ARBORIST TREE NUMBERS.
14. CONTRACTOR WILL REVIEW UCD'S HAZARDOUS MATERIALS REPORTS. HAZARDOUS MATERIALS WILL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH THESE REPORTS.
15. ALL BACKFILLING AND GRADING OPERATIONS WILL ADHERE TO THE WALLACE KUEHL GEOTECHNICAL ENGINEERING REPORT "UCD ORCHARD PARK DEMOLITION GEOTECHNICAL SURVEY" DATED 6/24/2016 AND BEST MANAGEMENT PRACTICES (BMP).
16. BACKFILL OF UTILITY TRENCHES WILL ADHERE TO THE WALLACE KUEHL GEOTECHNICAL ENGINEERING REPORT "UCD ORCHARD PARK DEMOLITION GEOTECHNICAL SURVEY" DATED 6/24/2016.
17. TOPSOIL WILL BE REUSED DURING REGRADING OF SITE, SEE SPECIFICATION 31.22.00 GRADING AND CIVIL DRAWINGS.
18. GRADE TO DRAIN FOLLOWING COMPLETION OF DEMOLITION AND REMOVAL ACTIVITIES. NO GRADING ALLOWED IN TREE PROTECTION ZONES. CONTRACTOR WILL INSURE THERE ARE NO DRAINAGE PROBLEMS OR PONDING, INCLUDING PONDING AROUND TREES TO REMAIN.
19. SEE LANDSCAPE DRAWINGS FOR MULCHING AND HYDROSEEDING FOLLOWING GRADING AND IRRIGATION.

- 1 CONSTRUCTION STAGING AREA, PROVIDE FENCING. FENCING SHALL NOT BE CLOSER THAN 5' TO ADJACENT TREE DRIPLINES
- 2 DEMOLISH EXISTING COMMUNICATION BUILDING. PROVIDE TREE PROTECTION PER SHEET L1.0 ADJACENT TO BUILDING BEFORE STARTING DEMOLITION



255 COUSTEAU PLACE
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UCD PROJECT NUMBER:
2506220

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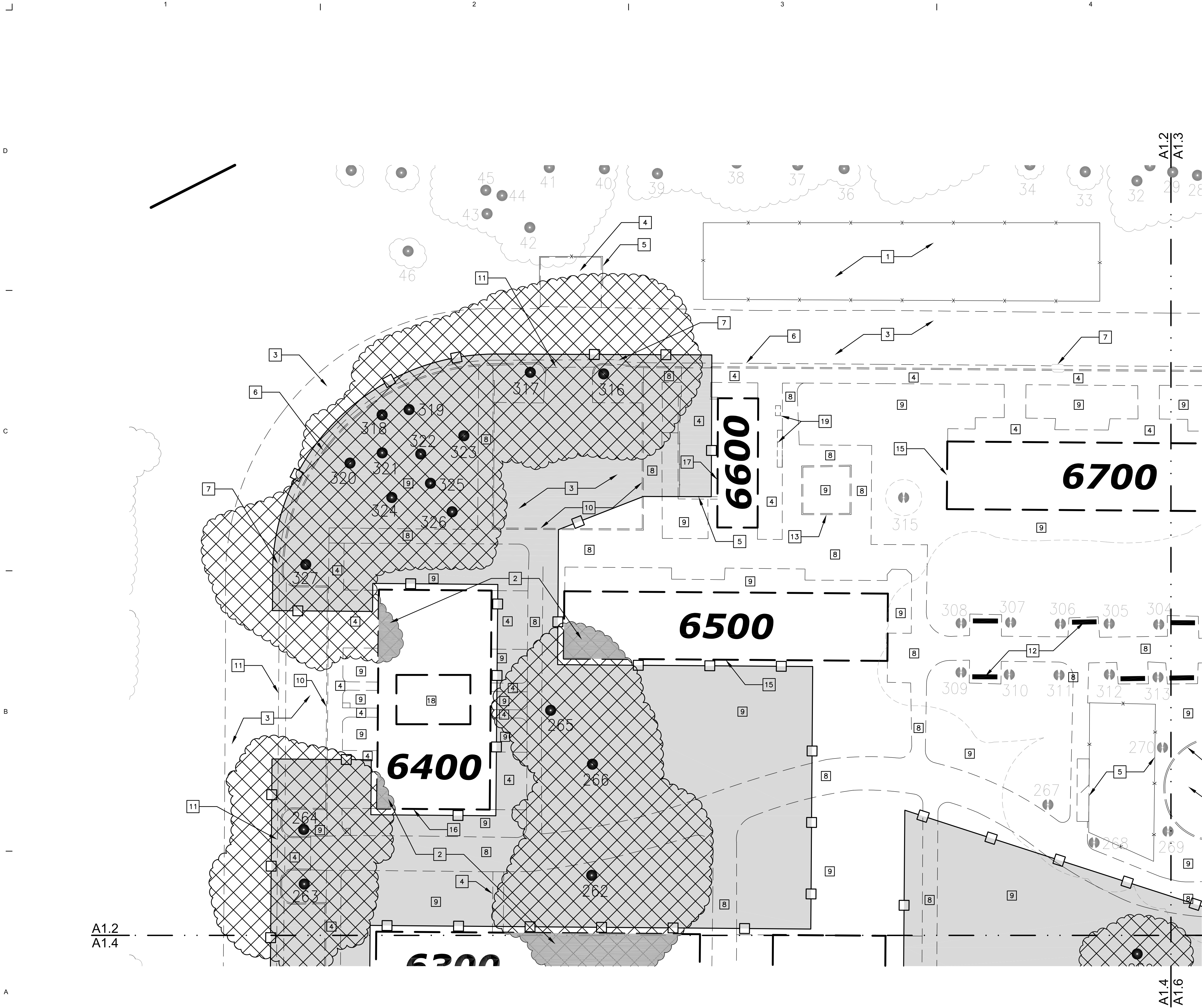
PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO:		959
REVISIONS:		
MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

SHEET NAME:

OVERALL SITE DEMOLITION PLAN

SHEET NUMBER

A1.1



LEGEND

- EXISTING TREE TO BE REMOVED WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. REMOVE STUMP AND ROOTS BELOW GRADE.
- EXISTING HERITAGE TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS.
- EXISTING TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS
- EXISTING TREE PROTECTION ZONE AND FENCING, SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION FENCING
- EXISTING BUILDING TO BE DEMOLISHED
- EXISTING TREES OUTSIDE OF PROJECT AREA TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. NO TREE PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED

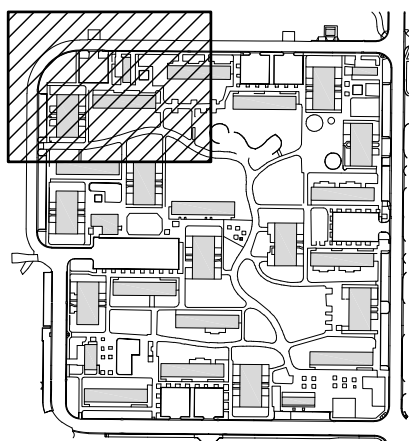
NOTES

1. TWO-STORY APARTMENT BUILDING DEMOLITION INCLUDES EXTERIOR WOOD FENCE YARD ENCLOSURES, EXTERIOR STAIRS UP TO COVERED SECOND FLOOR BALCONIES, ALL EXTERIOR AND INTERIOR FINISHES, WINDOWS, DOORS, KITCHEN APPLIANCES, KITCHEN AND BATHROOM PLUMBING FIXTURES, AND ALL ELECTRICAL AND MECHANICAL SYSTEMS AND APPURTENANCES.

KEYNOTES

- 1 CONSTRUCTION STAGING AREA
- 2 EXISTING BUILDING DEMOLITION WITHIN HERITAGE TREE DRIPLINES TO BE ACCOMPLISHED WITH HAND TOOLS
- 3 DEMOLISH ASPHALT CONCRETE PAVING. REMOVE SUB-BASE AND STOCKPILE.
- 4 DEMOLISH CONCRETE PAVING
- 5 DEMOLISH FENCING
- 6 DEMOLISH CONCRETE CURB AND GUTTER
- 7 STORM DRAIN SYSTEM TO REMAIN, SEE CIVIL DRAWINGS
- 8 DEMOLISH ASPHALT CONCRETE PAVING AND METAL EDGING
- 9 EXISTING LANDSCAPE AREA
- 10 DEMOLISH CONCRETE CURB
- 11 DEMOLISH CONCRETE VALLEY GUTTER
- 12 DEMOLISH BENCH, TYP.
- 13 DEMOLISH LANDSCAPING LOW CONCRETE WALL, CONCRETE CURB OR FLUSH CONCRETE CURB
- 14 DISASSEMBLE EXISTING PLAY STRUCTURES, STOCKPILE AND NOTIFY UNIVERSITY REPRESENTATIVE FOR REMOVAL
- 15 DEMOLISH COMPLETE 2-STORY, TEN-UNIT APARTMENT BUILDING
- 16 DEMOLISH COMPLETE 2-STORY, EIGHT-UNIT APARTMENT BUILDING
- 17 DEMOLISH SINGLE STORY STORAGE AND LAUNDRY FACILITY. LAUNDRY FACILITY HAS 2 WASHERS, 1 DRYER, A DOUBLE LAUNDRY SINK AND WATER HEATER.
- 18 DEMOLISH CONCRETE COURTYARD
- 19 DEMOLISH MAILBOXES

KEYPLAN



2320 J STREET, SACRAMENTO, CA 95816
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ORCHARD PARK
DEMOLITION

UNIVERSITY OF
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DAVIS

255 COUSTEAU PLACE
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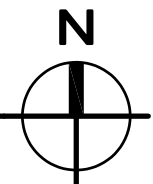
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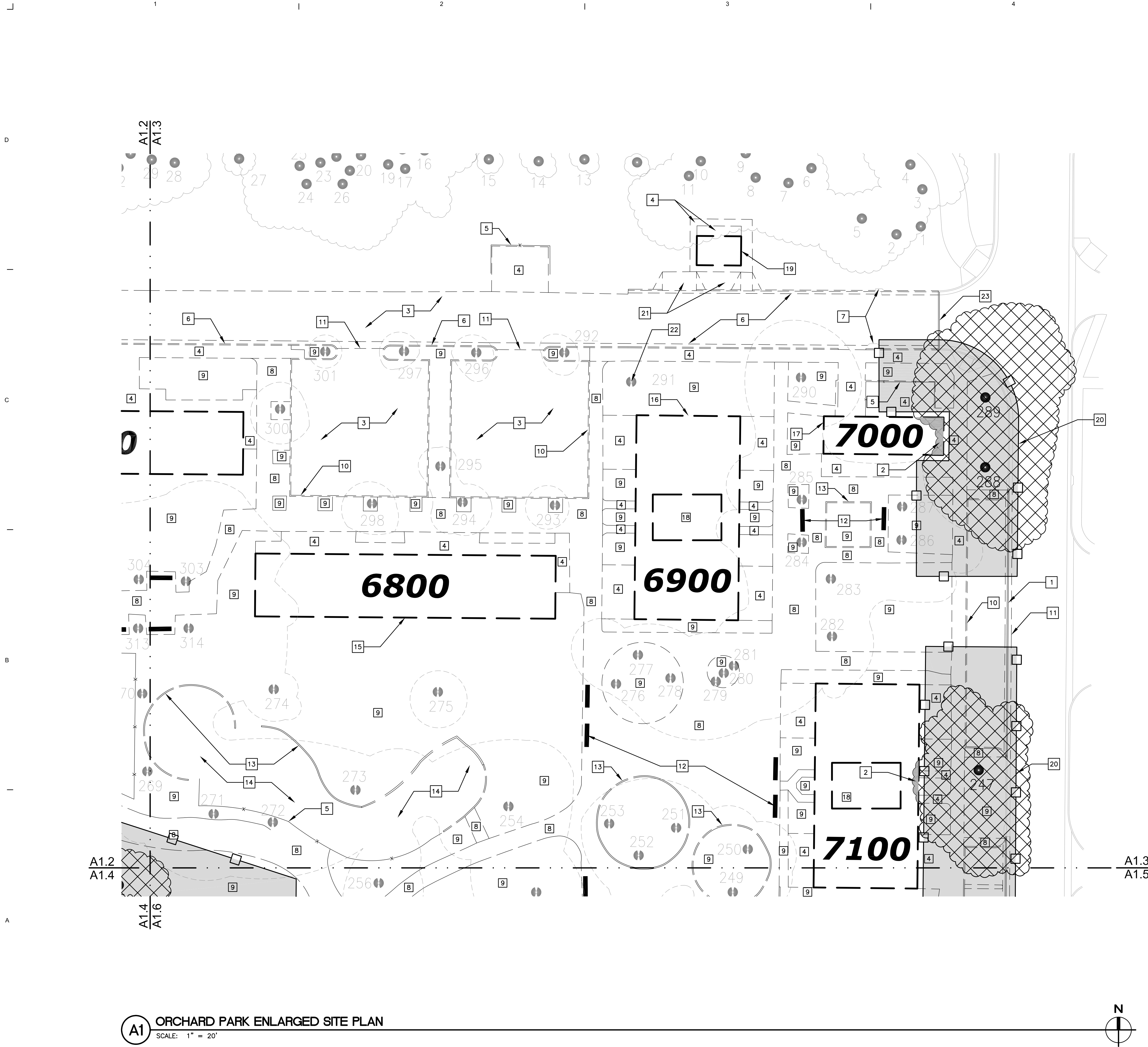
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PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS:		
MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

SHEET NAME:
ENLARGED SITE PLAN

SHEET NUMBER:





LEGEND

- EXISTING TREE TO BE REMOVED WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. REMOVE STUMP AND ROOTS BELOW GRADE.
- EXISTING HERITAGE TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS.
- EXISTING TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS
- EXISTING TREE PROTECTION ZONE AND FENCING, SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION FENCING
- EXISTING BUILDING TO BE DEMOLISHED
- EXISTING TREES OUTSIDE OF PROJECT AREA TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. NO TREE PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED

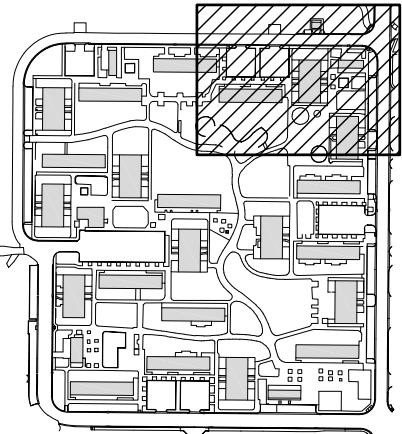
NOTES

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KEYNOTES

- NEW CURB AND GUTTER, SEE CIVIL DRAWINGS
- EXISTING BUILDING DEMOLITION WITHIN HERITAGE TREE DRIPLINES TO BE ACCOMPLISHED WITH HAND TOOLS
- DEMOLISH ASPHALT CONCRETE PAVING. REMOVE SUB-BASE AND STOCKPILE.
- DEMOLISH CONCRETE PAVING
- DEMOLISH FENCING
- DEMOLISH CONCRETE CURB AND GUTTER
- STORM DRAIN SYSTEM TO REMAIN, SEE CIVIL DRAWINGS
- DEMOLISH ASPHALT CONCRETE PAVING AND METAL EDGING
- EXISTING LANDSCAPE AREA
- DEMOLISH CONCRETE CURB
- DEMOLISH CONCRETE VALLEY GUTTER
- DEMOLISH BENCH, TYP.
- DEMOLISH LOW CONCRETE WALL, CONCRETE CURB, OR CONCRETE FLUSH CURB
- DISASSEMBLE EXISTING PLAY STRUCTURES, STOCKPILE AND NOTIFY UNIVERSITY REPRESENTATIVE FOR REMOVAL
- DEMOLISH COMPLETE 2-STORY, TEN-UNIT APARTMENT BUILDING
- DEMOLISH COMPLETE 2-STORY, EIGHT-UNIT APARTMENT BUILDING
- DEMOLISH SINGLE STORY STORAGE AND LAUNDRY FACILITY. LAUNDRY FACILITY HAS 2 WASHERS, 1 DRYER, A DOUBLE LAUNDRY SINK AND WATER HEATER.
- DEMOLISH CONCRETE COURTYARD
- DEMOLISH ELECTRICAL SWITCHGEAR BUILDING
- LOCATE TREE PROTECTION FENCING AT BACK OF EXISTING CURB
- DEMOLISH CONCRETE DRIVEWAY APRON
- REMOVE DEAD TREE, STUMP AND ROOTS BELOW GRADE
- INSTALL ROAD CLOSURE BARRICADE, SEE CIVIL DRAWINGS

KEYPLAN



PROJECT NAME:

ORCHARD PARK
DEMOLITION

UNIVERSITY OF
CALIFORNIA
DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

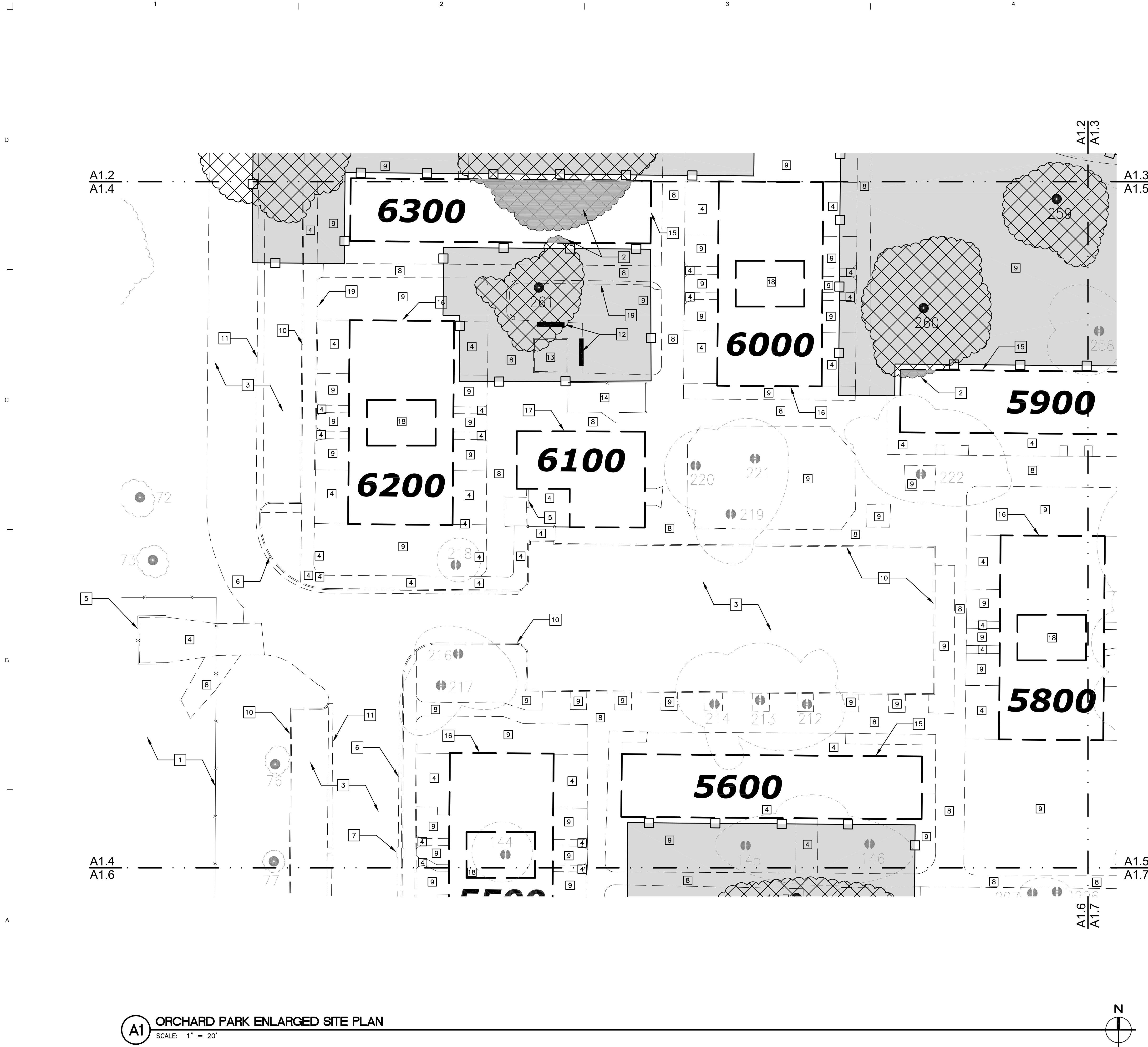
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PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS:		
MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

SHEET NAME:
ENLARGED SITE PLAN

SHEET NUMBER:

A1.3



LEGEND

- EXISTING TREE TO BE REMOVED WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. REMOVE STUMP AND ROOTS BELOW GRADE.
- EXISTING HERITAGE TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS.
- EXISTING TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS
- EXISTING TREE PROTECTION ZONE AND FENCING, SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION FENCING
- EXISTING BUILDING TO BE DEMOLISHED
- EXISTING TREES OUTSIDE OF PROJECT AREA TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. NO TREE PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED

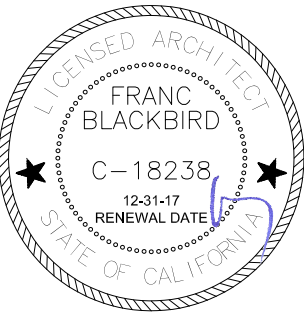
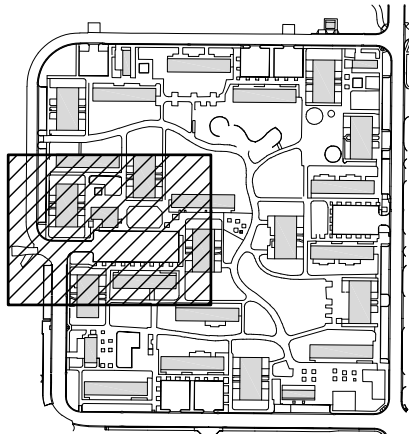
NOTES

- TWO-STORY APARTMENT BUILDING DEMOLITION INCLUDES EXTERIOR WOOD FENCE YARD ENCLOSURES, EXTERIOR STAIRS TO COVERED SECOND FLOOR BALCONIES, ALL EXTERIOR AND INTERIOR FINISHES, WINDOWS, DOORS, KITCHEN APPLIANCES, KITCHEN AND BATHROOM PLUMBING FIXTURES, AND ALL ELECTRICAL AND MECHANICAL SYSTEMS AND APPURTENANCES.

KEYNOTES

- CONSTRUCTION STAGING AREA
- EXISTING BUILDING DEMOLITION WITHIN HERITAGE TREE DRIPLINES TO BE ACCOMPLISHED WITH HAND TOOLS
- DEMOLISH ASPHALT CONCRETE PAVING. REMOVE SUB-BASE AND STOCKPILE.
- DEMOLISH CONCRETE PAVING
- DEMOLISH FENCING
- DEMOLISH CONCRETE CURB AND GUTTER
- STORM DRAIN SYSTEM TO REMAIN, SEE CIVIL DRAWINGS
- DEMOLISH ASPHALT CONCRETE PAVING AND METAL EDGING
- EXISTING LANDSCAPE AREA
- DEMOLISH CONCRETE CURB
- DEMOLISH CONCRETE VALLEY GUTTER
- DEMOLISH BENCH, TYP.
- DEMOLISH SAND BOX, STOCKPILE SAND
- DEMOLISH OUTDOOR STORAGE STRUCTURE WITH WOOD FENCE, GATES AND SHADE TRELLIS
- DEMOLISH COMPLETE 2-STORY, TEN-UNIT APARTMENT BUILDING
- DEMOLISH COMPLETE 2-STORY, EIGHT-UNIT APARTMENT BUILDING
- DEMOLISH SINGLE STORY STORAGE, SHOP AND LAUNDRY FACILITY. LAUNDRY FACILITY HAS 2 WASHERS, 1 DRYER, A DOUBLE LAUNDRY SINK AND WATER HEATER. FACILITY HAS A SINGLE USER TOILET ROOM.
- DEMOLISH CONCRETE COURTYARD
- DEMOLISH LANDSCAPING LOW CONCRETE WALL, CONCRETE CURB OR FLUSH CONCRETE CURB

KEYPLAN



ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

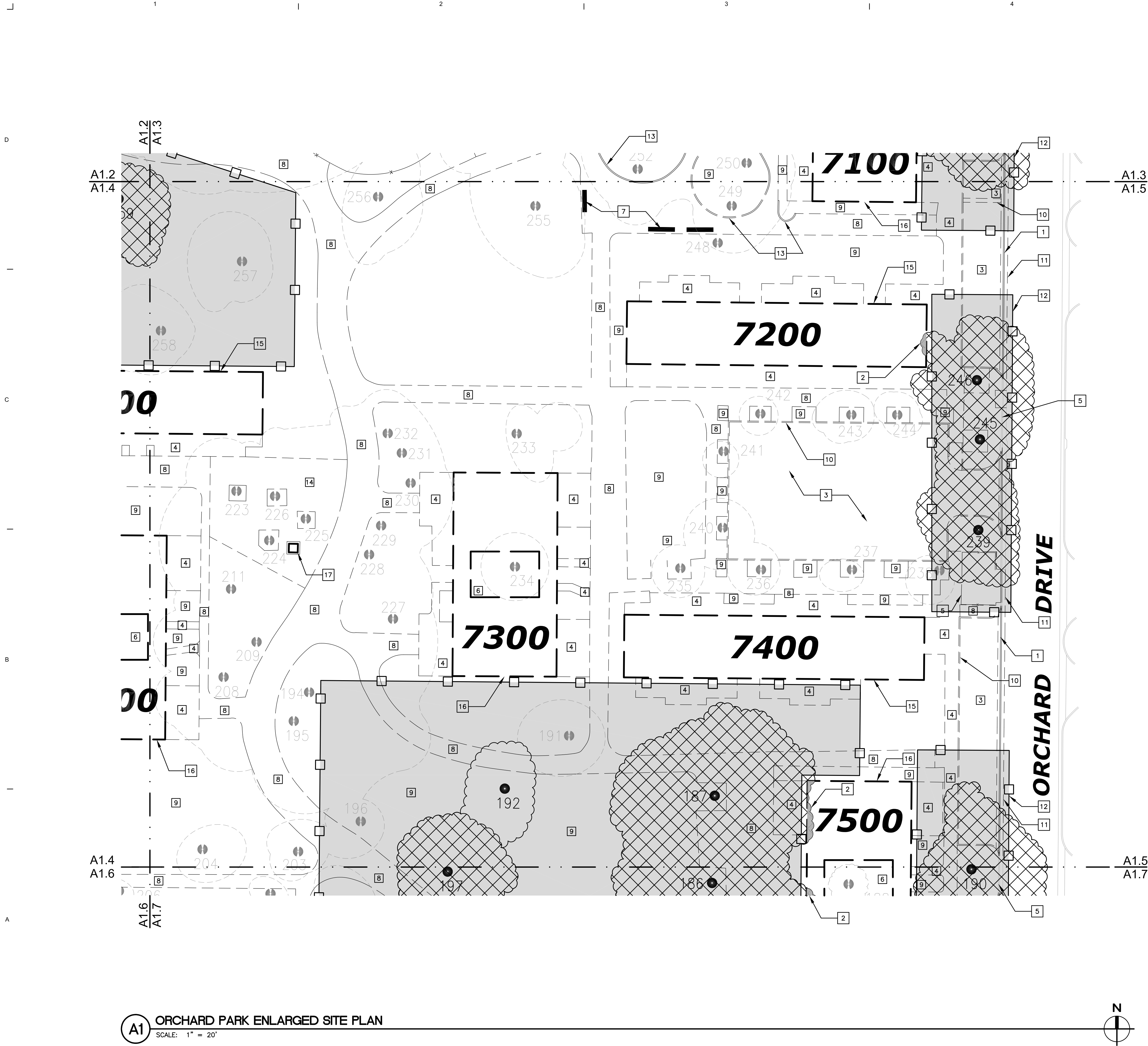
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PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS:		
MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

SHEET NAME:
ENLARGED SITE PLAN

SHEET NUMBER:

A1.4



LEGEND

- EXISTING TREE TO BE REMOVED WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. REMOVE STUMP AND ROOTS BELOW GRADE.
- EXISTING HERITAGE TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS.
- EXISTING TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS
- EXISTING TREE PROTECTION ZONE AND FENCING, SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION FENCING
- EXISTING BUILDING TO BE DEMOLISHED
- EXISTING TREES OUTSIDE OF PROJECT AREA TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. NO TREE PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED

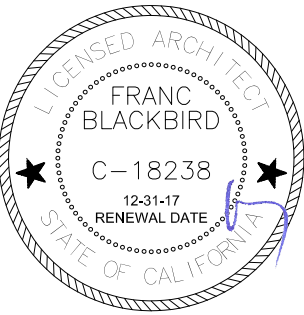
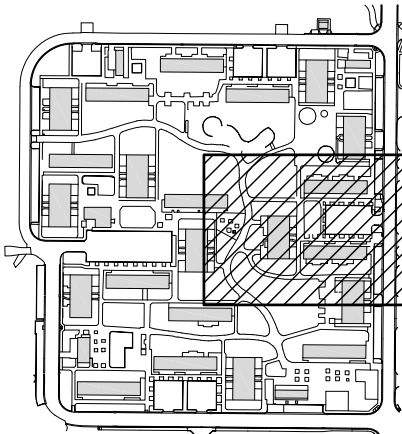
NOTES

1. TWO-STORY APARTMENT BUILDING DEMOLITION INCLUDES EXTERIOR WOOD FENCE YARD ENCLOSURES, EXTERIOR STAIRS TO COVERED SECOND FLOOR BALCONIES, ALL EXTERIOR AND INTERIOR FINISHES, WINDOWS, DOORS, KITCHEN APPLIANCES, KITCHEN AND BATHROOM PLUMBING FIXTURES, AND ALL ELECTRICAL AND MECHANICAL SYSTEMS AND APPURTENANCES.

KEYNOTES

- 1 NEW CURB AND GUTTER, SEE CIVIL DRAWINGS
- 2 EXISTING BUILDING DEMOLITION WITHIN HERITAGE TREE DRIPLINES TO BE ACCOMPLISHED WITH HAND TOOLS
- 3 DEMOLISH ASPHALT CONCRETE PAVING. REMOVE SUB-BASE AND STOCKPILE.
- 4 DEMOLISH CONCRETE PAVING
- 5 DEMOLISH FENCING
- 6 DEMOLISH CONCRETE COURTYARD
- 7 DEMOLISH BENCH, TYP.
- 8 DEMOLISH ASPHALT CONCRETE PAVING AND METAL EDGING
- 9 EXISTING LANDSCAPE AREA
- 10 DEMOLISH CONCRETE CURB
- 11 DEMOLISH CONCRETE VALLEY GUTTER
- 12 LOCATE TREE PROTECTION FENCING PARALLEL TO BACK OF EXISTING CURB
- 13 DEMOLISH LANDSCAPING LOW CONCRETE WALL, CONCRETE CURB OR FLUSH CONCRETE CURB
- 14 DEMOLISH BRICK PAVING
- 15 DEMOLISH COMPLETE 2-STORY, TEN-UNIT APARTMENT BUILDING
- 16 DEMOLISH COMPLETE 2-STORY, EIGHT-UNIT APARTMENT BUILDING
- 17 DEMOLISH COMPRESSED AIR TANK TANK SHED AND EQUIPMENT

KEYPLAN



ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

PROJECT NUMBER:
2506220

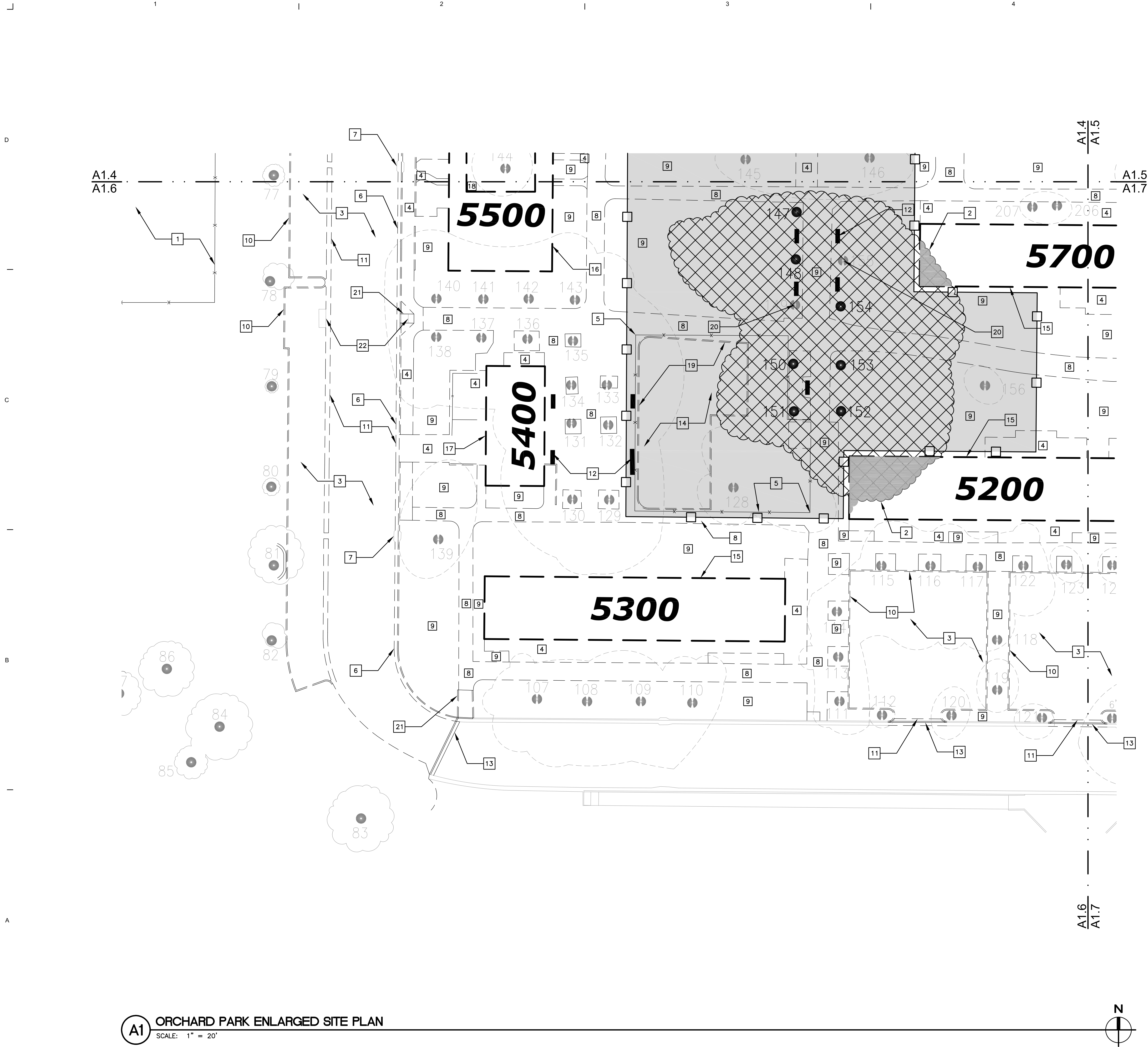
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PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS:		
MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

SHEET NAME:
ENLARGED SITE PLAN

SHEET NUMBER:

A1.5



A1 ORCHARD PARK ENLARGED SITE PLAN
SCALE: 1" = 20'

LEGEND

- EXISTING TREE TO BE REMOVED WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. REMOVE STUMP AND ROOTS BELOW GRADE.
- EXISTING HERITAGE TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS.
- EXISTING TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS
- EXISTING TREE PROTECTION ZONE AND FENCING, SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION FENCING
- 7000** EXISTING BUILDING TO BE DEMOLISHED
- EXISTING TREES OUTSIDE OF PROJECT AREA TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. NO TREE PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED

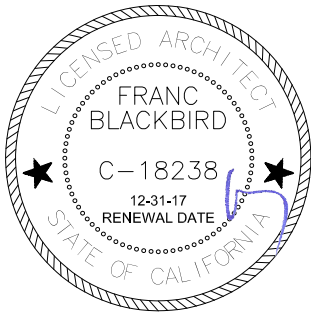
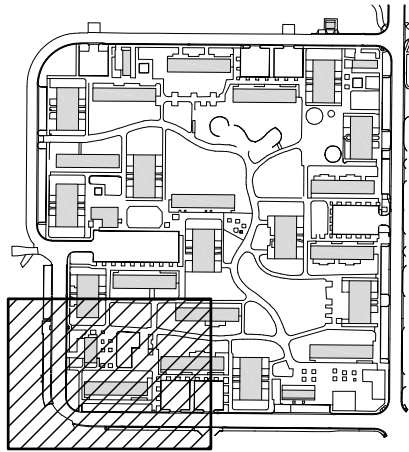
NOTES

1. TWO-STORY APARTMENT BUILDING DEMOLITION INCLUDES EXTERIOR WOOD FENCE YARD ENCLOSURES, EXTERIOR STAIRS TO COVERED SECOND FLOOR BALCONIES, ALL EXTERIOR AND INTERIOR FINISHES, WINDOWS, DOORS, KITCHEN APPLIANCES, KITCHEN AND BATHROOM PLUMBING FIXTURES, AND ALL ELECTRICAL AND MECHANICAL SYSTEMS AND APPURTENANCES.

KEYNOTES

- 1 CONSTRUCTION STAGING AREA
- 2 EXISTING BUILDING DEMOLITION WITHIN HERITAGE TREE DRIPLINES TO BE ACCOMPLISHED WITH HAND TOOLS
- 3 DEMOLISH ASPHALT CONCRETE PAVING. REMOVE SUB-BASE AND STOCKPILE.
- 4 DEMOLISH CONCRETE PAVING
- 5 DEMOLISH FENCING
- 6 DEMOLISH CONCRETE CURB AND GUTTER
- 7 STORM DRAIN SYSTEM TO REMAIN, SEE CIVIL DRAWINGS
- 8 DEMOLISH ASPHALT CONCRETE PAVING AND METAL EDGING
- 9 EXISTING LANDSCAPE AREA
- 10 DEMOLISH CONCRETE CURB
- 11 DEMOLISH CONCRETE VALLEY GUTTER
- 12 DEMOLISH BENCH, TYP.
- 13 NEW CURB AND GUTTER, SEE CIVIL DRAWINGS
- 14 DISASSEMBLE EXISTING PLAY STRUCTURES, STOCKPILE AND NOTIFY UNIVERSITY REPRESENTATIVE FOR REMOVAL
- 15 DEMOLISH COMPLETE 2-STORY, TEN-UNIT APARTMENT BUILDING
- 16 DEMOLISH COMPLETE 2-STORY, EIGHT-UNIT APARTMENT BUILDING
- 17 DEMOLISH SINGLE STORY STORAGE AND LAUNDRY FACILITY. LAUNDRY FACILITY HAS 2 WASHERS, 1 DRYER, A DOUBLE LAUNDRY SINK AND WATER HEATER.
- 18 DEMOLISH CONCRETE COURTYARD
- 19 DEMOLISH LANDSCAPING LOW CONCRETE WALL, CONCRETE CURB OR FLUSH CONCRETE CURB
- 20 EXISTING TREE TO BE REMOVED. CAREFULLY REMOVE ALL BRANCHES FROM TREE WITHOUT DAMAGING ADJACENT HERITAGE TREES TO REMAIN. REMOVE TRUNK IN SECTIONS AS NEEDED TO AVOID DAMAGE TO ADJACENT HERITAGE TREES. CAREFULLY HAND DIG BASE OF TREE TO CUT STUMP BELOW GRADE.
- 21 DEMOLISH CONCRETE CURB RAMP
- 22 DEMOLISH ACCESSIBLE ROUTE DOMES

KEYPLAN



**ORCHARD PARK
DEMOLITION**

**UNIVERSITY OF
CALIFORNIA
DAVIS**

255 COUSTEAU PLACE
DAVIS, CA 95618

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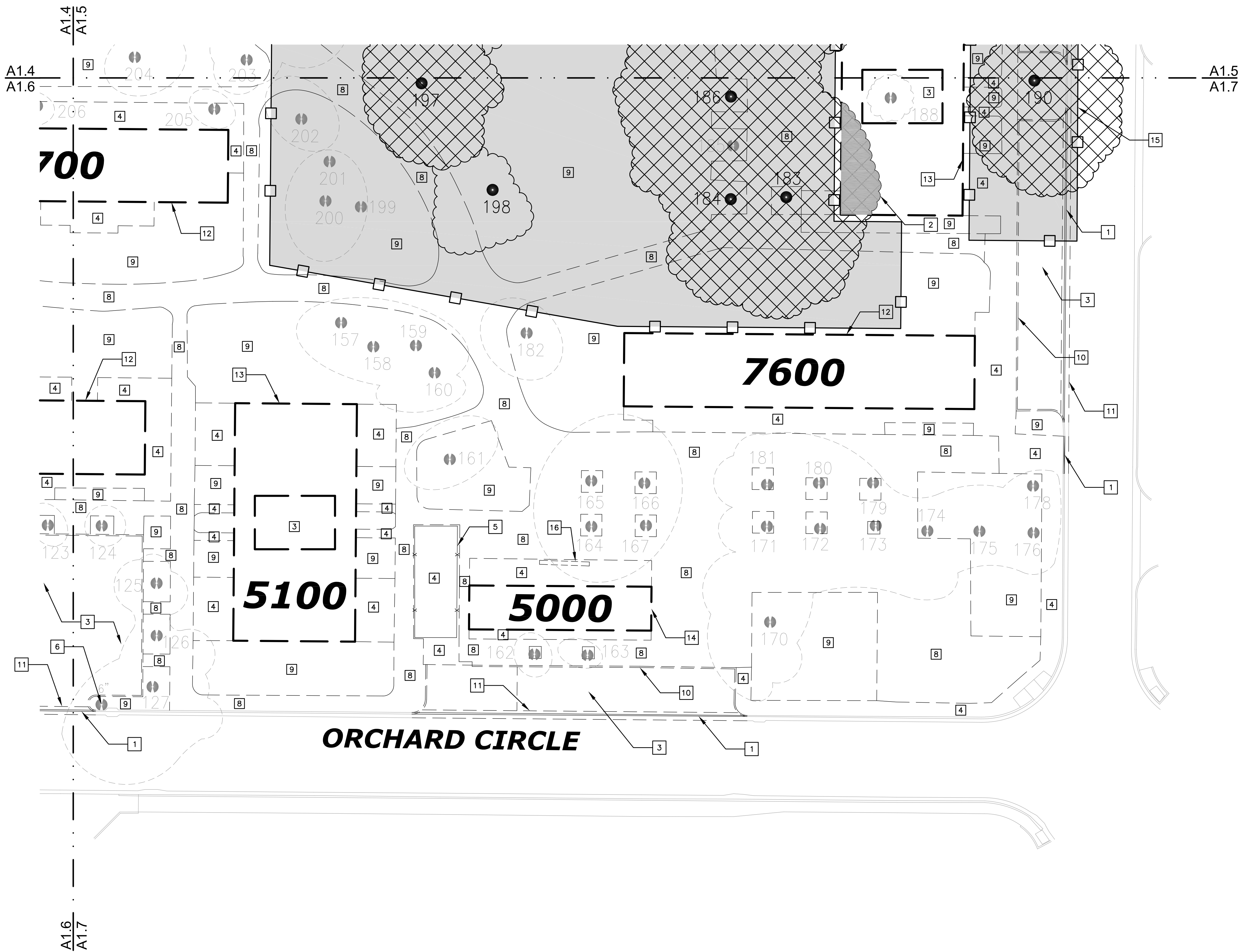
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MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

ENLARGED SITE PLAN

SHEET NUMBER:

A1.6

D
C
B
A



A1 ORCHARD PARK ENLARGED SITE PLAN
SCALE: 1" = 20'

LEGEND

- EXISTING TREE TO BE REMOVED WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. REMOVE STUMP AND ROOTS BELOW GRADE.
- EXISTING HERITAGE TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS.
- EXISTING TREE TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE SEE SHEET L1.0 FOR TREE PROTECTION REQUIREMENTS
- EXISTING TREE PROTECTION ZONE AND FENCING, SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION FENCING
- EXISTING BUILDING TO BE DEMOLISHED
- EXISTING TREES OUTSIDE OF PROJECT AREA TO REMAIN WITH ARBORIST REPORT TREE NUMBER AND DRIPLINE. NO TREE PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED

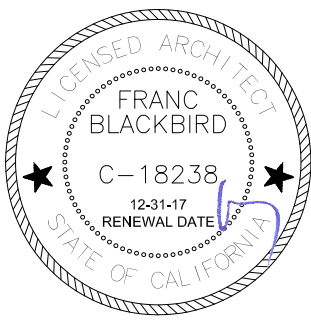
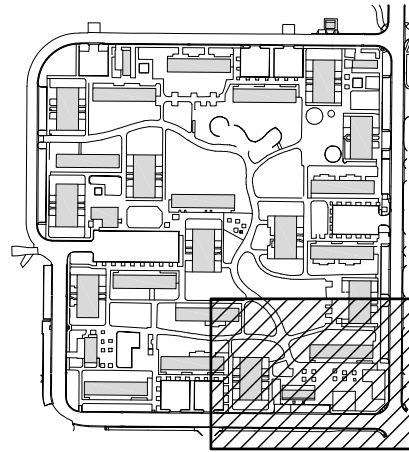
NOTES

1. TWO-STORY APARTMENT BUILDING DEMOLITION INCLUDES EXTERIOR WOOD FENCE YARD ENCLOSURES, EXTERIOR STAIRS TO COVERED SECOND FLOOR BALCONIES, ALL EXTERIOR AND INTERIOR FINISHES, WINDOWS, DOORS, KITCHEN APPLIANCES, KITCHEN AND BATHROOM PLUMBING FIXTURES, AND ALL ELECTRICAL AND MECHANICAL SYSTEMS AND APPURTENANCES.

KEYNOTES

- 1 NEW CURB AND GUTTER, SEE CIVIL DRAWINGS
- 2 EXISTING BUILDING DEMOLITION WITHIN HERITAGE TREE DRIPLINES TO BE ACCOMPLISHED WITH HAND TOOLS
- 3 DEMOLISH ASPHALT CONCRETE PAVING. REMOVE SUB-BASE AND STOCKPILE.
- 4 DEMOLISH CONCRETE PAVING
- 5 DEMOLISH FENCING
- 6 REMOVE TREE, NO ARBORIST TREE TAG
- 7 DEMOLISH CONCRETE COURTYARD
- 8 DEMOLISH ASPHALT CONCRETE PAVING AND METAL EDGING
- 9 EXISTING LANDSCAPE AREA
- 10 DEMOLISH CONCRETE CURB
- 11 DEMOLISH CONCRETE VALLEY GUTTER
- 12 DEMOLISH COMPLETE 2-STORY, TEN-UNIT APARTMENT BUILDING
- 13 DEMOLISH COMPLETE 2-STORY, EIGHT-UNIT APARTMENT BUILDING
- 14 DEMOLISH SINGLE STORY STORAGE AND LAUNDRY FACILITY. LAUNDRY FACILITY HAS 2 WASHERS, 1 DRYER, A DOUBLE LAUNDRY SINK AND WATER HEATER.
- 15 LOCATE TREE PROTECTION FENCING PARALLEL WITH BACK OF EXISTING CURB
- 16 DEMOLISH MAILBOXES

KEYPLAN



**ORCHARD PARK
DEMOLITION**

**UNIVERSITY OF
CALIFORNIA
DAVIS**

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

APPROVAL STAMP:

PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO: 959		
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	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

ENLARGED SITE PLAN

SHEET NUMBER:

A1.7



LEGEND

- SD-SD- STORM DRAIN - TO REMAIN
- SD-SD- STORM DRAIN - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- SS- SS- SANITARY SEWER - TO REMAIN
- SS- SS- SANITARY SEWER - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- DW-DW- TRANSITE DOMESTIC WATER - TO REMAIN
- DW-DW- TRANSITE DOMESTIC WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- UW-UW- IRRIGATION WATER MAIN - TO REMAIN
- UW-UW- IRRIGATION WATER MAIN - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- IRR-IRR- IRRIGATION WATER - TO REMAIN
- IRR-IRR- IRRIGATION WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- GAS-GAS- GAS - TO REMAIN
- GAS-GAS- GAS - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- LT-LT- LIGHTING - TO REMAIN
- LT-LT- LIGHTING - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- UGE-UGE- ELECTRIC - TO REMAIN
- UGE-UGE- ELECTRIC - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- TC-TC- TELECOM - TO REMAIN
- TC-TC- TELECOM - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- FA-FA- FIRE ALARM - TO REMAIN
- FA-FA- FIRE ALARM - TO BE REMOVED EXCEPT WITHIN TREE ZONE. PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE

TREE PROTECTED ZONE:
WITHIN THE TREE ZONE PROTECTIVE FENCING SHALL ALL BELOW GRADE PIPING/CONDUITS SHALL BE ABANDONED IN PLACE.
ALL STRUCTURES (MANHOLES, BOXES, POLES, TRANSFORMERS, HYDRANTS, VALVES, ETC.) SHALL BE REMOVED BY HAND OR BY HAND DIGGING.

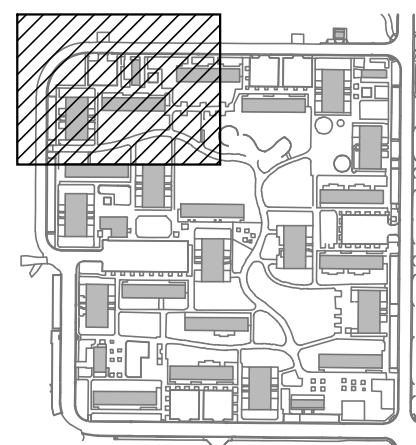
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- TREE DRIPLINE (TYP)
- REMOVE EXISTING DRAIN STRUCTURE(SIZE AND TYPE VARIES)
- CAP STORM DRAIN AT BACK OF CURB/WALK AND MARK WITH 4x4 POST
- REMOVE EXISTING SANITARY SEWER MANHOLES
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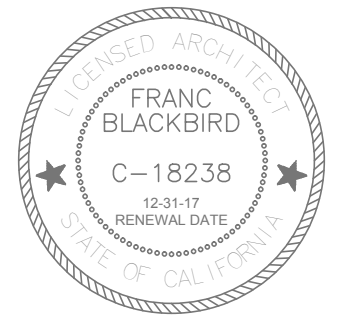
KEYPLAN



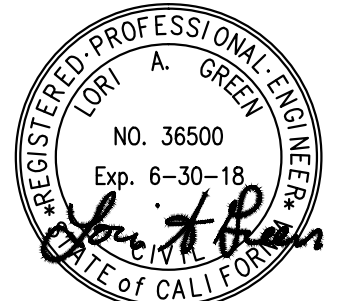
1 ENLARGED WET UTILITIES DEMOLITION PLAN
SCALE: 1" = 20'



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3114 Brennans Road / Loomis CA 95650 / 916.563.2323



PROJECT NAME:

ORCHARD PARK
DEMOLITION

UNIVERSITY OF
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255 COUSTEAU PLACE
DAVIS, CA 95618

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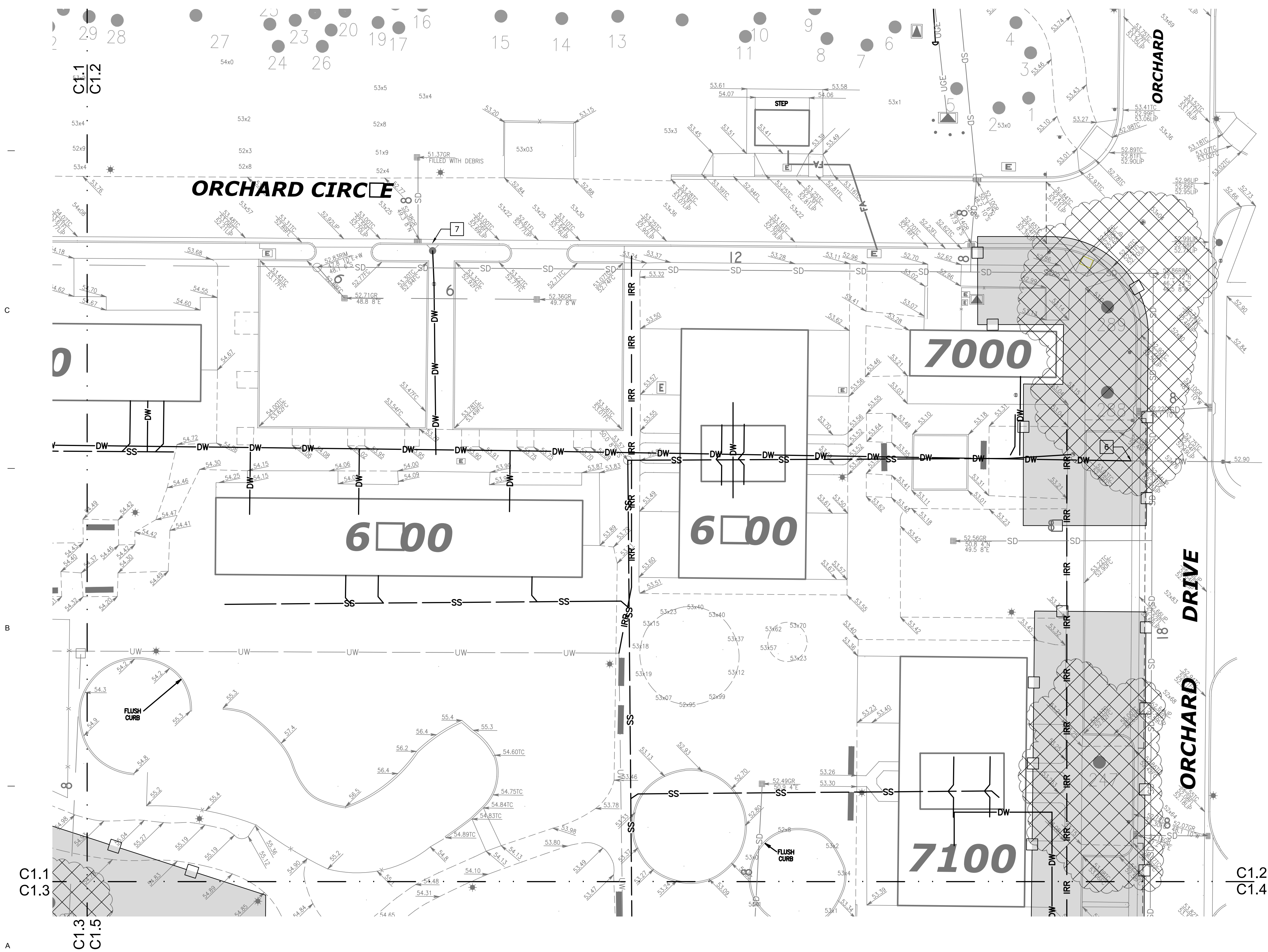
C1.1

D

C

B

A



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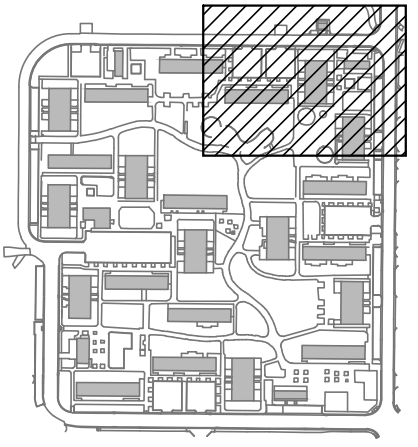
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KEYPLAN



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ORCHARD PARK
DEMOLITION

UNIVERSITY OF
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DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

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MARK	4-7-17	95% CD SUBMITTAL
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SHEET NAME:
**ENLARGED
WET UTILITIES
DEMOLITION PLAN**

SHEET NUMBER:

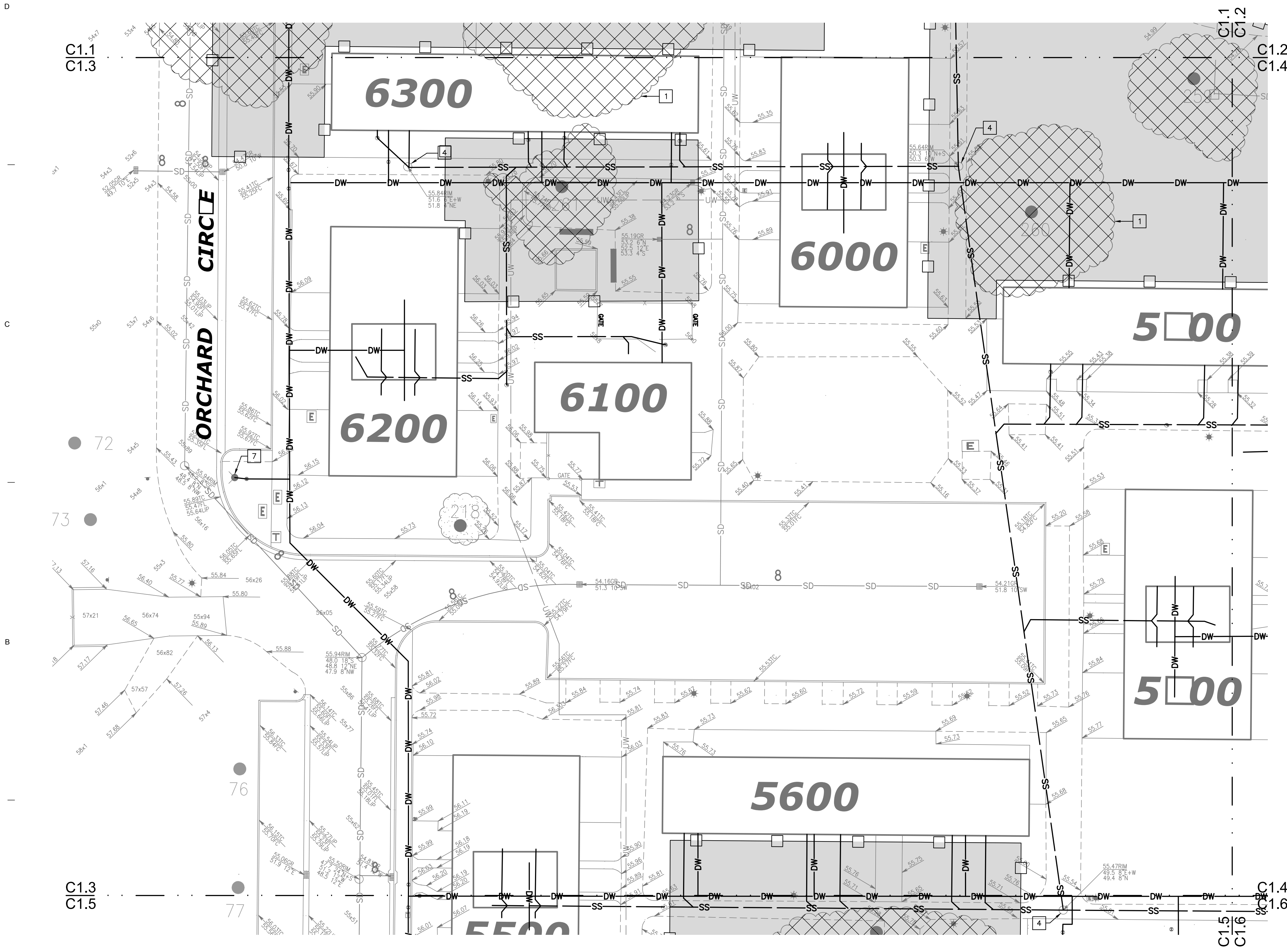
1 2 3 4 5

D

C

B

A



LEGEND

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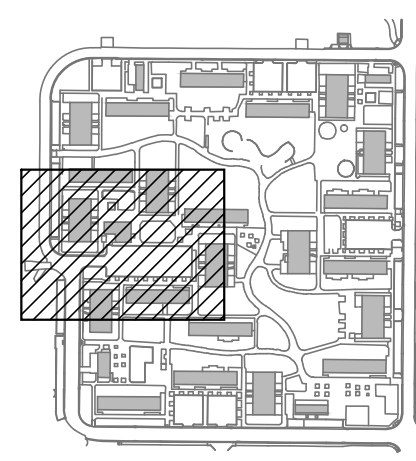
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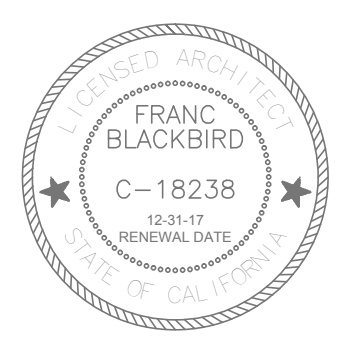
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KEYPLAN



1 ENLARGED WET UTILITIES DEMOLITION PLAN
SCALE: 1" = 20'



PROJECT NAME:

ORCHARD PARK
DEMOLITION

UNIVERSITY OF
CALIFORNIA
DAVIS

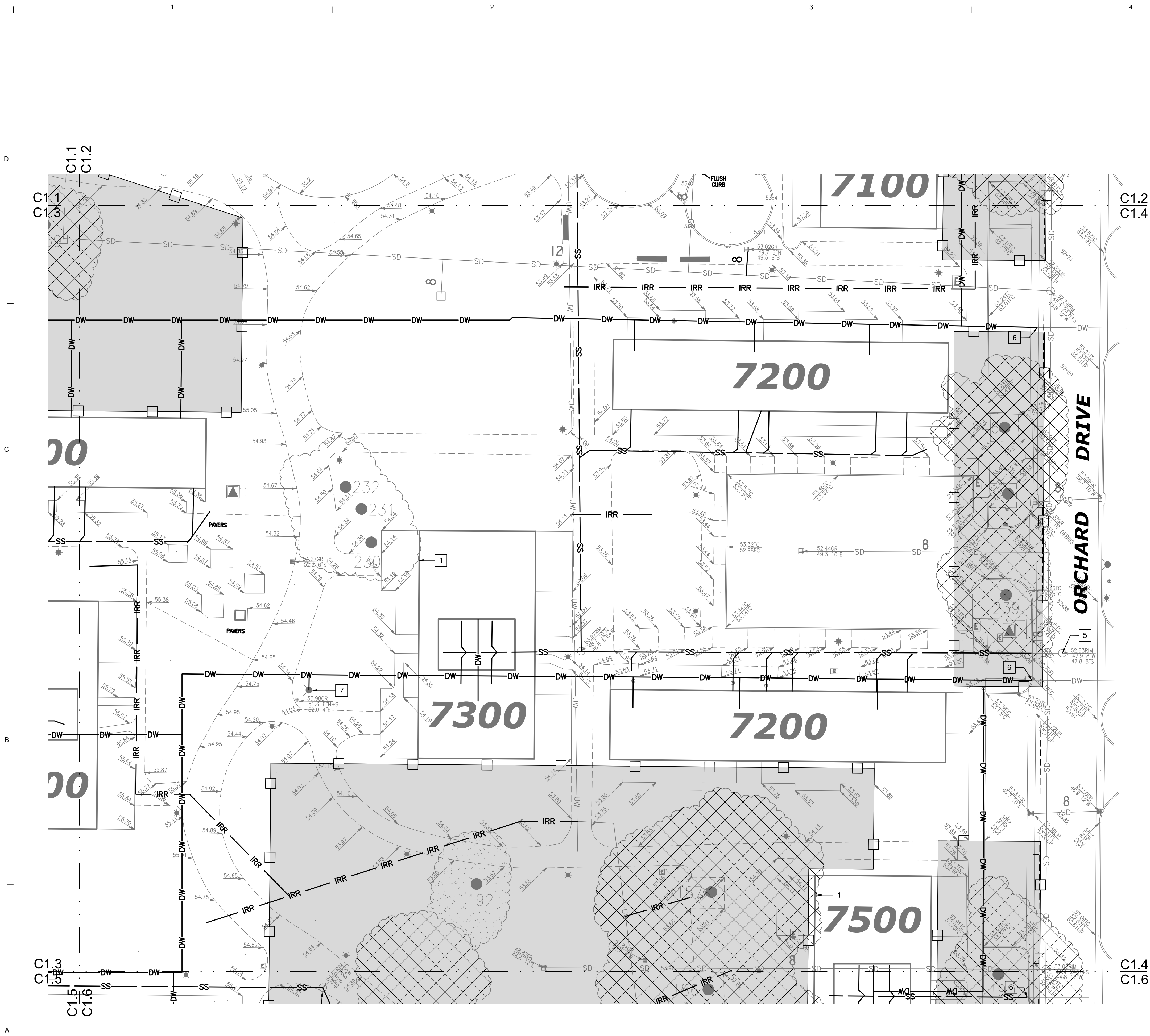
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	1	7-13-17 100% CD SUBMITTAL

SHEET NAME:
**ENLARGED
WET UTILITIES
DEMOLITION PLAN**
SHEET NUMBER:

C1.3



LEGEND

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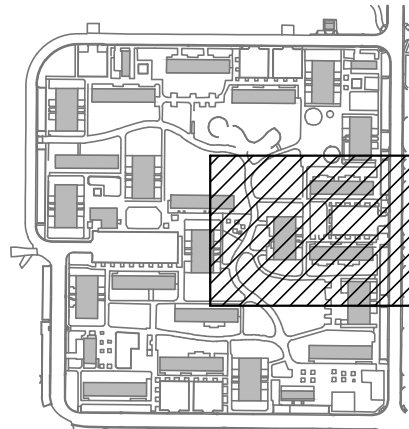
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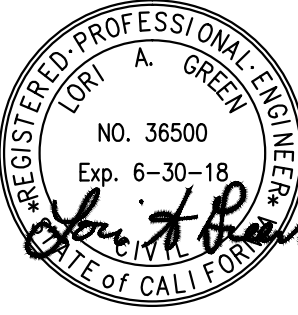
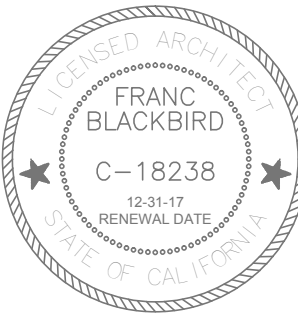
WET UTILITIES KEYNOTES

- TREE DRIPLINE (TYP)
- REMOVE EXISTING DRAIN STRUCTURE(SIZE AND TYPE VARIES)
- CAP STORM DRAIN AT BACK OF CURB/WALK AND MARK WITH 4x4 POST
- REMOVE EXISTING SANITARY SEWER MANHOLES
- CAP EXISTING SANITARY SEWER AT BACK OF CURB/WALK AND MARK WITH 4x4 POST
- CAP EXISTING DOMESTIC WATER AT BACK OF CURB/WALK AND MARK WITH 4x4 POST. INSTALL THRUST BLOCK PER UC DAVIS STANDARD DETAIL C-13 FOR DEAD ENDS.
- REMOVE EXISTING FIRE HYDRANT AND VALVE
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- CUT AND CAP WESTBOUND LINE AT TEE. INSTALL THRUST BLOCK PER UC DAVIS STANDARD DETAIL C-13 FOR DEAD ENDS.

KEYPLAN



1 ENLARGED WET UTILITIES DEMOLITION PLAN
SCALE: 1" = 20'



PROJECT NAME:

ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

APPROVAL STAMP:

PROJECT INFORMATION:

ISSUE DATE:

PROJECT NO: 959

REVISIONS	MARK	DATE	DESCRIPTION
		4-7-17	95% CD SUBMITTAL
	1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

ENLARGED WET UTILITIES DEMOLITION PLAN

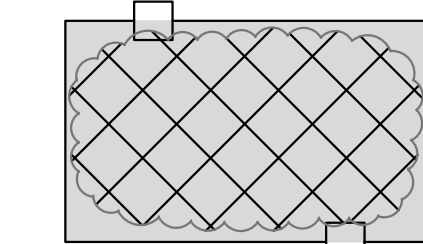
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APPROVAL STAMP:

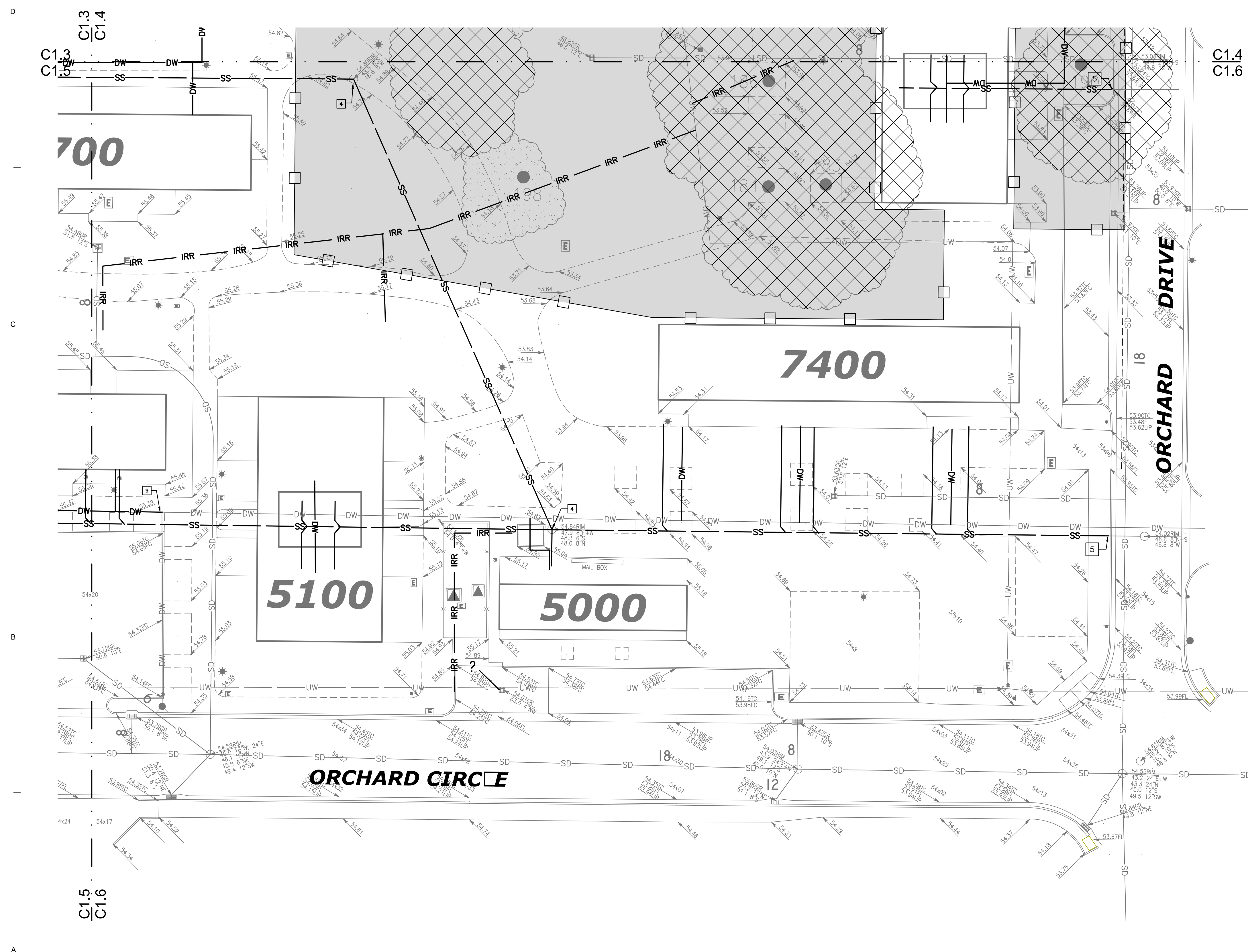
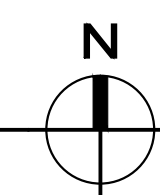
SHEET NUMBER:

—SD—	—SD—	STORM DRAIN – TO REMAIN
—SD—	—SD—	STORM DRAIN – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—SS—		SANITARY SEWER – TO REMAIN
—SS—		SANITARY SEWER – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—DW—	—DW—	TRANSITE DOMESTIC WATER – TO REMAIN
—DW—	—DW—	TRANSITE DOMESTIC WATER – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—UW—		IRRIGATION WATER MAIN – TO REMAIN
—UW—		IRRIGATION WATER MAIN – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—IRR—	—IRR—	IRRIGATION WATER – TO REMAIN
—IRR—	—IRR—	IRRIGATION WATER – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—GAS—	—GAS—	GAS – TO REMAIN
—GAS—	—GAS—	GAS – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—LT—	—LT—	LIGHTING – TO REMAIN
—LT—	—LT—	LIGHTING – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—UGE—	—UGE—	ELECTRIC – TO REMAIN
—UGE—	—UGE—	ELECTRIC – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—TC—	—TC—	TELECOM – TO REMAIN
—TC—	—TC—	TELECOM – TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
—FA—	—FA—	FIRE ALARM – TO REMAIN
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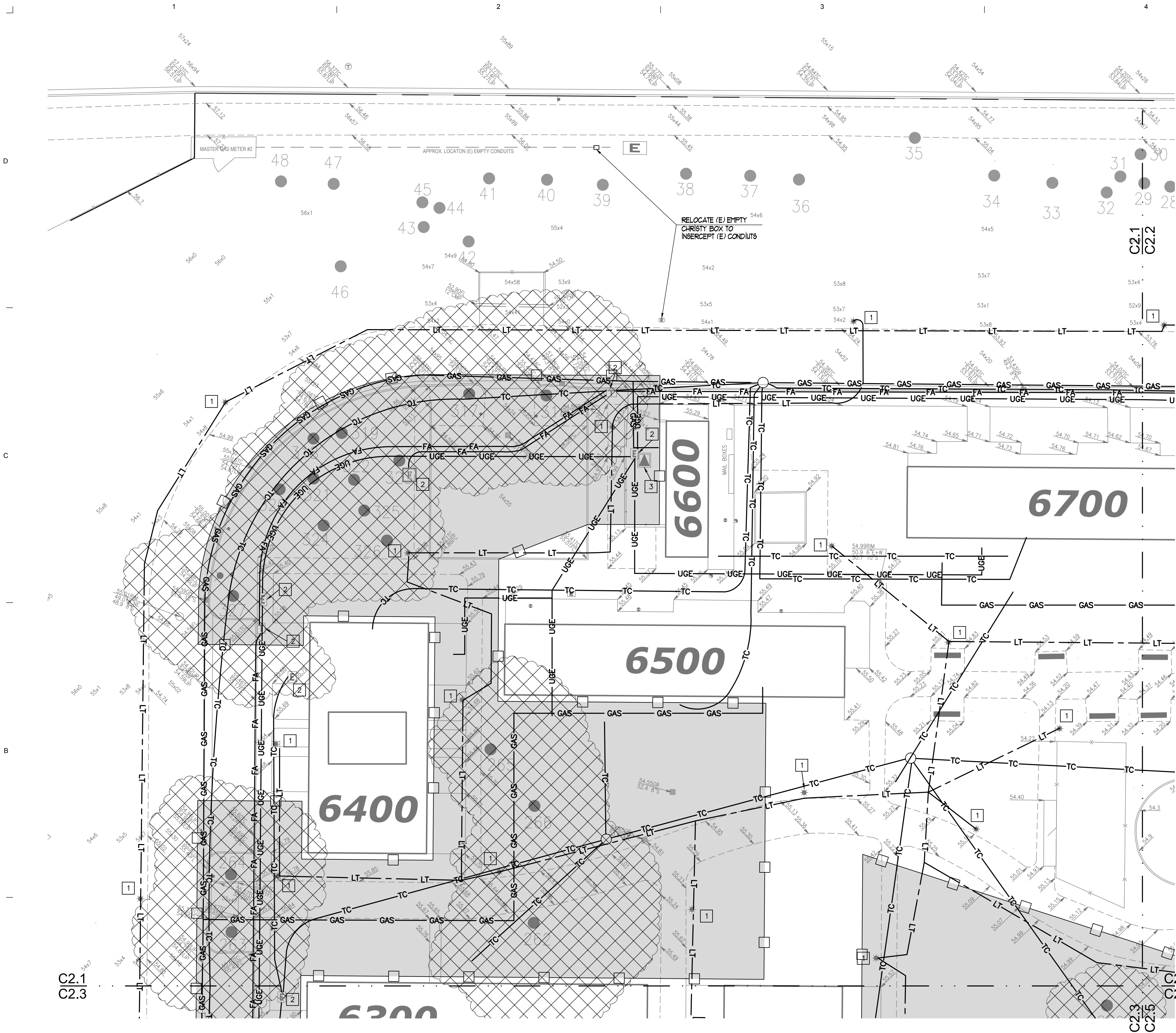
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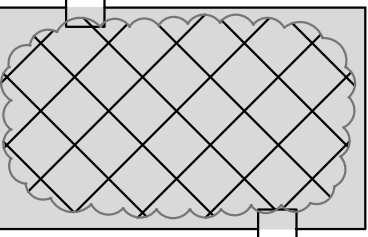
1 ENLARGED WET UTILITIES DEMOLITION PLAN
SCALE: 1" = 20'

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LEGEND

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- DW DW TRANSITE DOMESTIC WATER - TO REMAIN
- DW DW TRANSITE DOMESTIC WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
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- IRR IRR IRRIGATION WATER - TO REMAIN
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- GAS GAS GAS - TO REMAIN
- GAS GAS GAS - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- LT LT LIGHTING - TO REMAIN
- LT LT LIGHTING - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- UGE UGE ELECTRIC - TO REMAIN
- UGE UGE ELECTRIC - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- TC TC TELECOM - TO REMAIN
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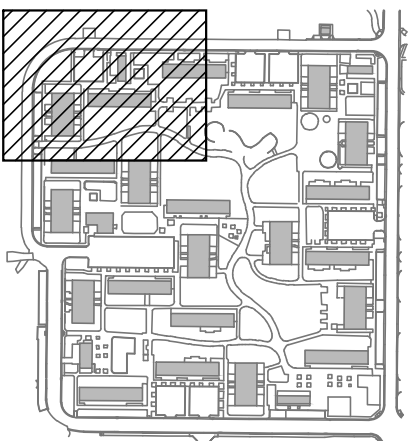
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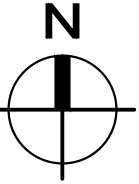
DRY UTILITIES KEYNOTES

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KEYPLAN



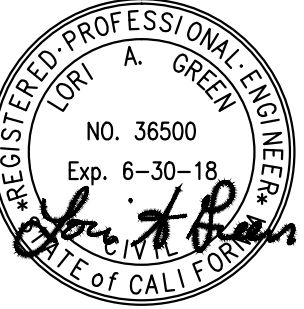
1 ENLARGED DRY UTILITIES DEMOLITION PLAN
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2320 J STREET, SACRAMENTO, CA 95816
TEL 916.446.6227, FAX 916.446.7877
WWW.BLACKBIRDASSOC.COM



3114 Brennans Road / Loomis CA 95650 / 916.563.2323



PROJECT NAME:

ORCHARD PARK
DEMOLITION

UNIVERSITY OF
CALIFORNIA
DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220
APPROVAL STAMP:

PROJECT INFORMATION:

ISSUE DATE:

PROJECT NO: 959

REVISIONS:

MARK	DATE	DESCRIPTION
1	4-7-17	95% CD SUBMITTAL
	7-13-17	100% CD SUBMITTAL

ENLARGED
DRY UTILITIES
DEMOLITION PLAN

SHEET NUMBER:

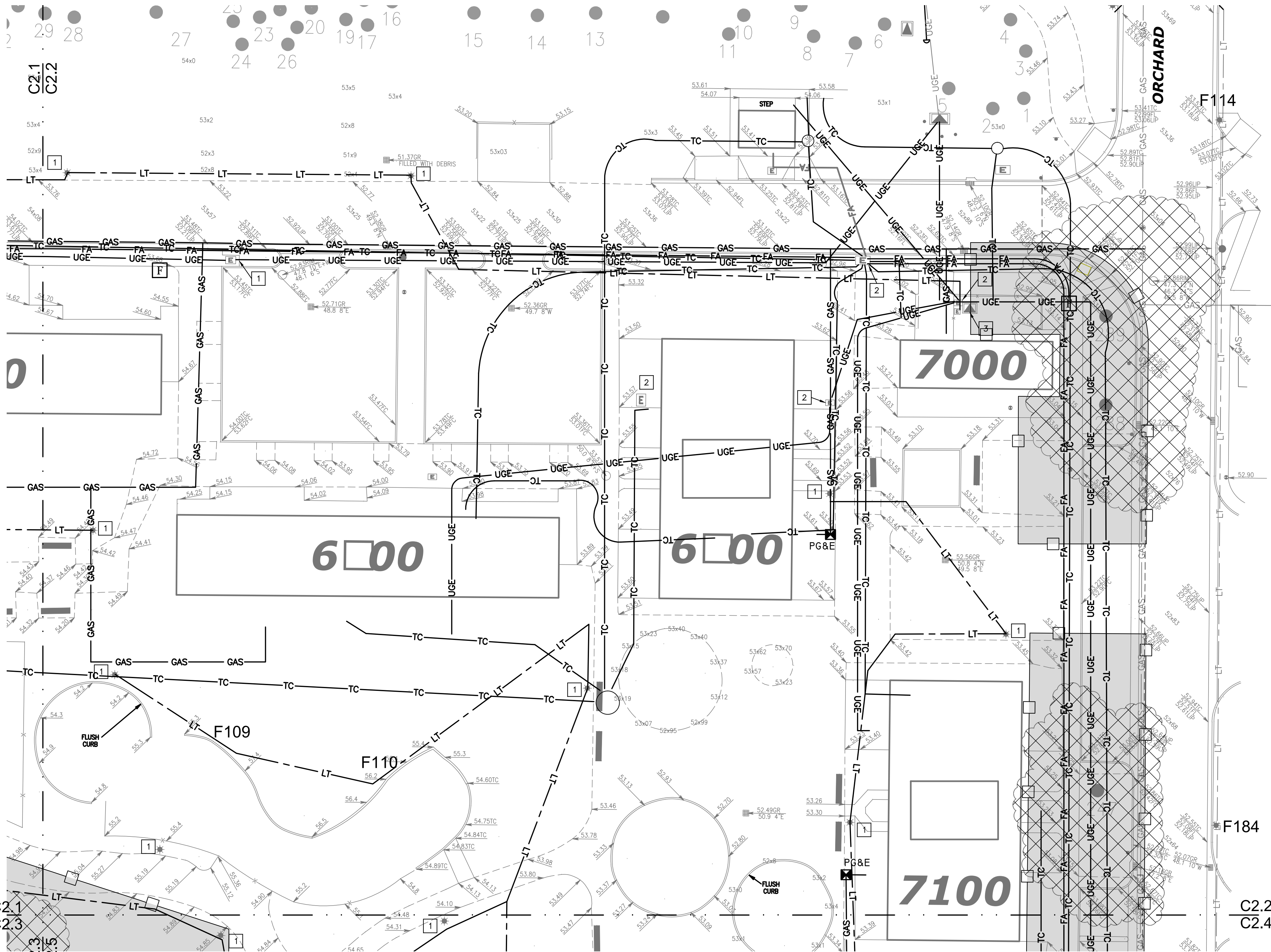
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D

C

B

A



LEGEND

- SD- SD- STORM DRAIN - TO REMAIN
- SD- SD- STORM DRAIN - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- SS- SS- SANITARY SEWER - TO REMAIN
- SS- SS- SANITARY SEWER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- DW- DW- TRANSITE DOMESTIC WATER - TO REMAIN
- DW- DW- TRANSITE DOMESTIC WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
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- GAS- GAS- GAS - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
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- LT- LT- LIGHTING - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
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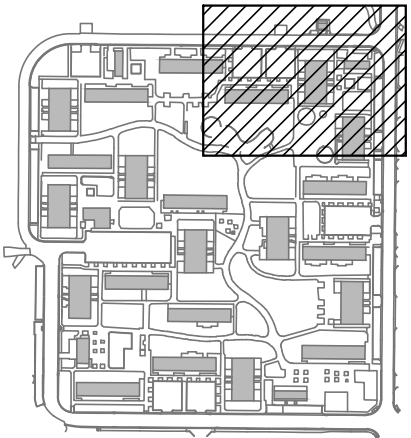
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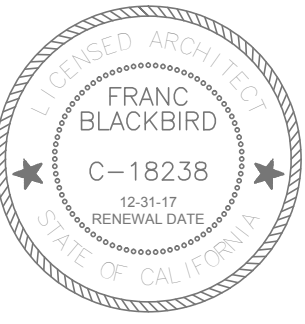
KEYPLAN



1 ENLARGED DRY UTILITIES DEMOLITION PLAN
SCALE: 1" = 20'



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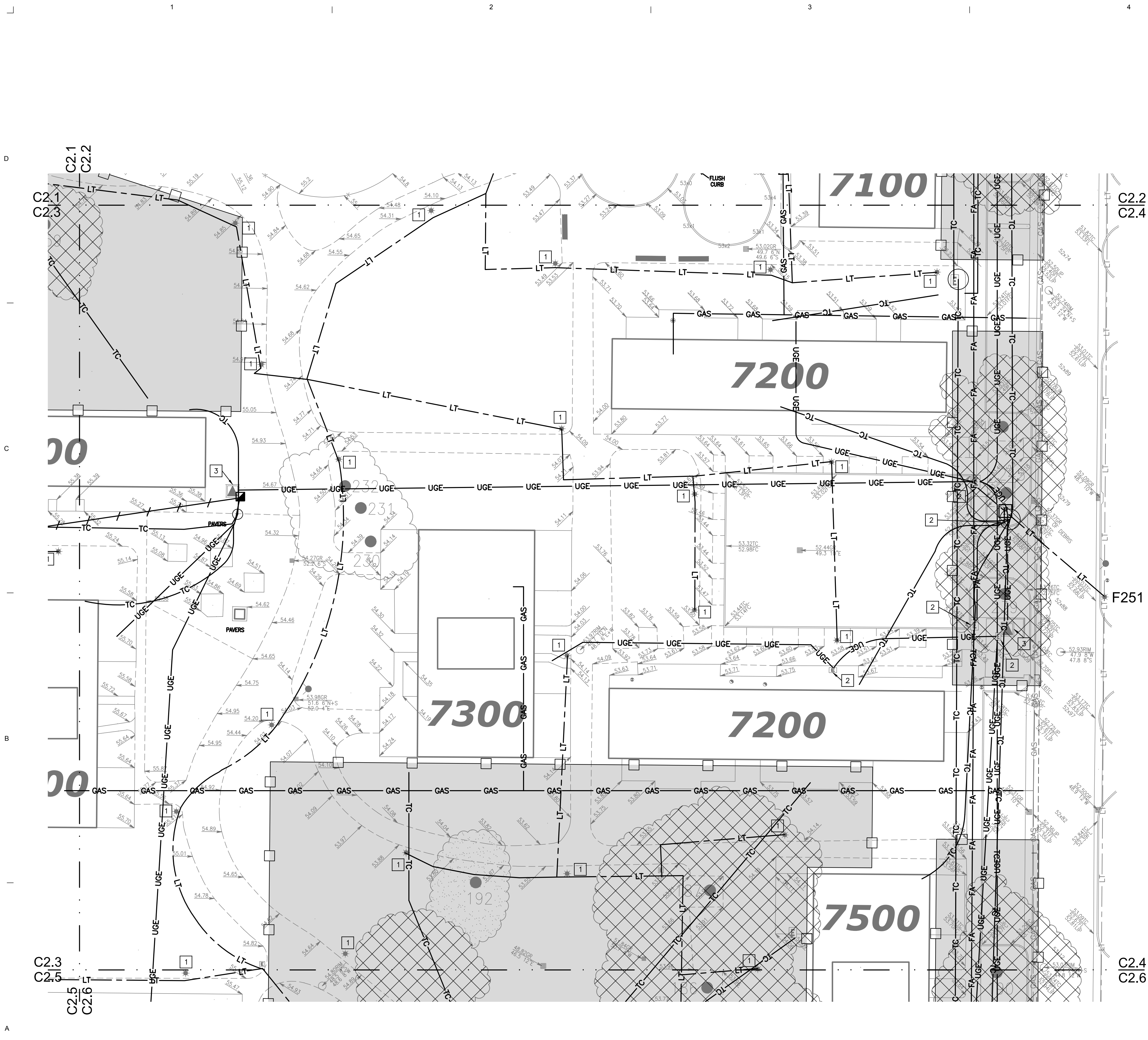
REVISIONS	MARK	DATE	DESCRIPTION
	1	4-7-17	95% CD SUBMITTAL
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SHEET NAME:

ENLARGED
DRY UTILITIES
DEMOLITION PLAN

SHEET NUMBER:

C2.2



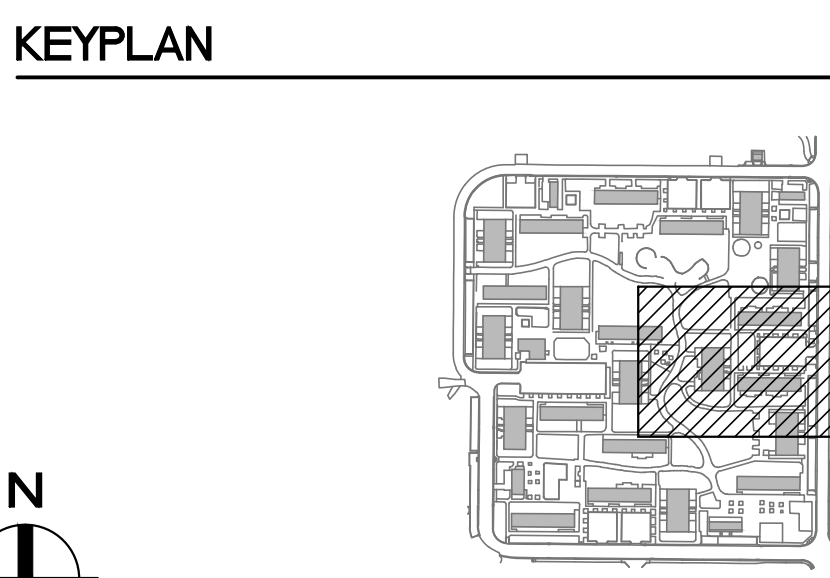
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 - 2 REMOVE PULLBOX
 - 3 REMOVE TRANSFORMER
 - 4 CUT, CAP AND INSTALL UTILITY MARKER



1 ENLARGED DRY UTILITIES DEMOLITION PLAN
SCALE: 1" = 20'

BLACKBIRD ASSOCIATES
ARCHITECTURE AND PROJECT MANAGEMENT
2320 J STREET, SACRAMENTO, CA 95816
TEL 916.446.6227, FAX 916.446.7677
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FRANCIS BLACKBIRD
C-18238
RENEWAL DATE: 12/31/17
STATE OF CALIFORNIA

Warren-Green Engineering
3114 Brennans Road / Loomis CA 95650 / 916.693.2325

REGISTERED PROFESSIONAL ENGINEER
NO. 36500
Exp. 6-30-18
STATE OF CALIFORNIA

ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS
255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

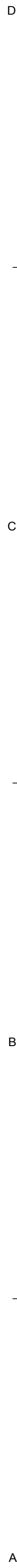
APPROVAL STAMP:

PROJECT INFORMATION:
ISSUE DATE:
PROJECT NO: 959

REVISIONS	MARK	DATE	DESCRIPTION
		4-7-17	95% CD SUBMITTAL
	1	7-13-17	100% CD SUBMITTAL

SHEET NAME:
ENLARGED DRY UTILITIES DEMOLITION PLAN

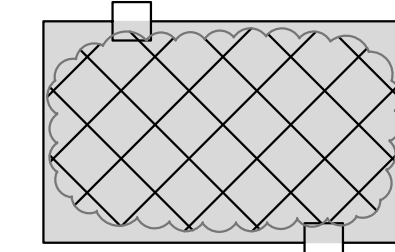
SHEET NUMBER:
C2.4



1

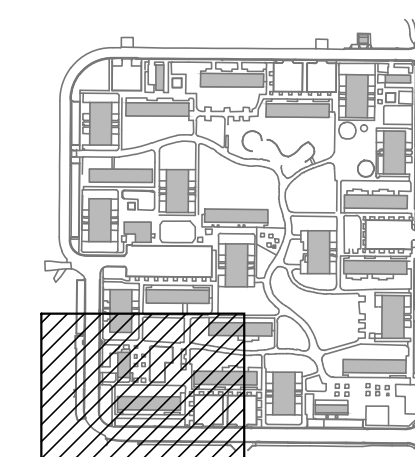
SCALE: 1" = 20'

-SD	SD	STORM DRAIN - TO REMAIN
-SD	SD	STORM DRAIN - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
-	SS	SANITARY SEWER - TO REMAIN
-	SS	SANITARY SEWER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
-	DW	TRANSITE DOMESTIC WATER - TO REMAIN
-	DW	TRANSITE DOMESTIC WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
-	UW	IRRIGATION WATER MAIN - TO REMAIN
-	UW	IRRIGATION WATER MAIN - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
-	IRR	IRRIGATION WATER - TO REMAIN
-	IRR	IRRIGATION WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
GAS	GAS	GAS - TO REMAIN
-	GAS	GAS - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
-	LT	LIGHTING - TO REMAIN
-	LT	LIGHTING - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
UGE	UGE	ELECTRIC - TO REMAIN
UGE	UGE	ELECTRIC - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
-TC	TC	TELECOM - TO REMAIN
-TC	TC	TELECOM - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
-FA	FA	FIRE ALARM - TO REMAIN
-FA	FA	FIRE ALARM - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE

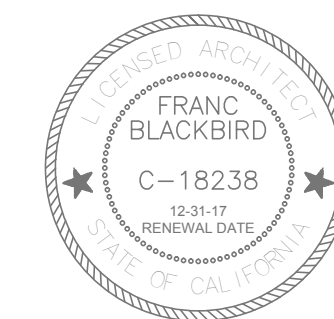


1. EXCAVATE AND LOCATE EXISTING UTILITY AT POINT OF DISCONNECTION. DISCONNECT AND CAP WHERE SHOWN. EXCAVATE AND REMOVE EXISTING ONSITE UTILITY. EXISTING UTILITY MATERIAL SHALL BE DISPOSED OF OFFSITE. BACKFILL TRENCH EXCAVATION USING ONSITE MATERIAL. COMPACT PER PROJECT SPECIFICATIONS.
UTILITY REMOVAL SHALL INCLUDE BUT IS NOT LIMITED TO REMOVAL OF EXISTING UNDERGROUND PIPE, THRUST BLOCKS, CONDUIT, WIRE, STRUCTURES, VAULTS, POLES, FOOTINGS, BOXES, TRANSFORMERS, ETC.
2. THERE WILL BE NO EXCAVATION AND REMOVAL OF UTILITY PIPING WITHIN TREE ZONE PROTECTIVE FENCING, WITH THE EXCEPTION DISCONNECTING AND CAPPING OF EXISTING UTILITIES AT BACK OF CURB/WALK. ALL WORK WITHIN TREE ZONE SHALL BE DONE BY HAND WITH MINIMAL DISTURBANCE TO TREE ROOTS. ACCURATELY LOCATE AND NOTE ON AS-BUILT DRAWINGS ANY UTILITY LINES THAT ARE ABANDONED IN PLACE. WITHIN TREE ZONE PROTECTIVE FENCING WHERE UTILITY PIPING IS TO BE ABANDONED IN PLACE, THE CONTRACTOR SHALL REMOVE ALL ABOVE GRADE POLES, BOXES, TRANSFORMERS, ETC.
3. CONTACT UNIVERSITY REPRESENTATIVE IF HAZARDOUS MATERIALS ARE FOUND
4. REFER TO LANDSCAPE PLANS FOR PRESERVATION OF EXISTING IRRIGATION VALVES AND ADDITIONAL TREE PROTECTION AND MITIGATION MEASURES.
5. REFER TO ARCHITECTURAL DRAWINGS FOR TREE ZONE PROTECTIVE FENCING INSTALLATION.
6. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING AND HARDSCAPE DEMOLITION AND REMOVAL.
7. THERE ARE TWO 12KV SWITCHES WHICH WILL BE REMOVED BY THE UNIVERSITY. COORDINATE WITH UNIVERSITY REPRESENTATIVE.

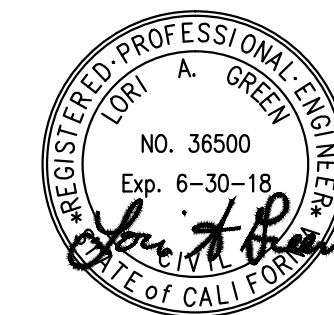
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PROJECT NAME:

ORCHARD PARK DEMOLITION

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER

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APPROVAL STAMP

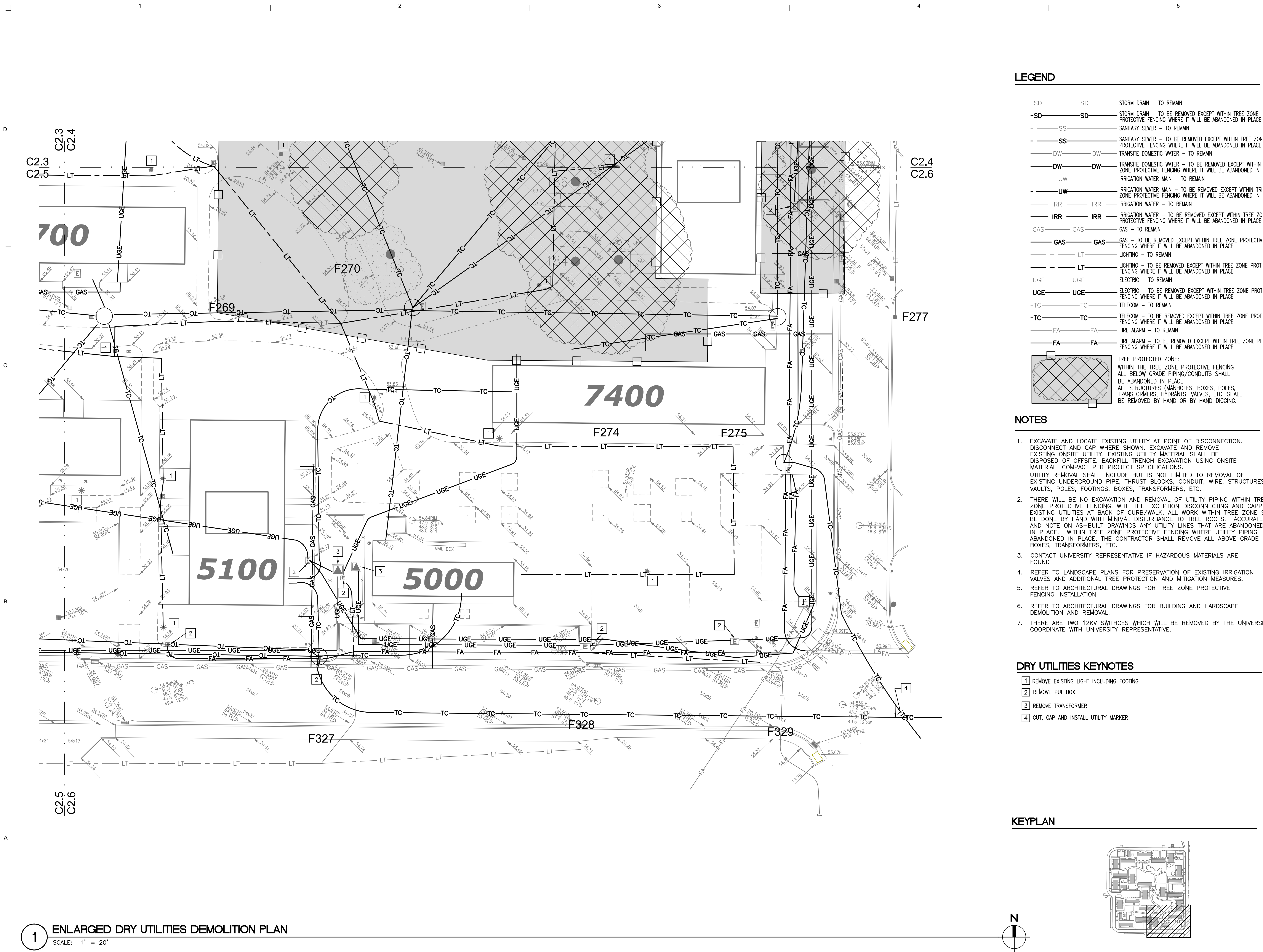
PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO:		959
REVISIONS:		
MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

ENLARGED
DRY UTILITIES
DEMOLITION PLAN

SHEET NUMBER

C2.5



LEGEND

- SD- SD- STORM DRAIN - TO REMAIN
 - SD- SD- STORM DRAIN - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - SS- SS- SANITARY SEWER - TO REMAIN
 - SS- SS- SANITARY SEWER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - DW- DW- TRANSITE DOMESTIC WATER - TO REMAIN
 - DW- DW- TRANSITE DOMESTIC WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - UW- UW- IRRIGATION WATER MAIN - TO REMAIN
 - UW- UW- IRRIGATION WATER MAIN - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - IRR- IRR- IRRIGATION WATER - TO REMAIN
 - IRR- IRR- IRRIGATION WATER - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
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 - GAS- GAS- GAS - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - LT- LT- LIGHTING - TO REMAIN
 - LT- LT- LIGHTING - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - UGE- UGE- ELECTRIC - TO REMAIN
 - UGE- UGE- ELECTRIC - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - TC- TC- TELECOM - TO REMAIN
 - TC- TC- TELECOM - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
 - FA- FA- FIRE ALARM - TO REMAIN
 - FA- FA- FIRE ALARM - TO BE REMOVED EXCEPT WITHIN TREE ZONE PROTECTIVE FENCING WHERE IT WILL BE ABANDONED IN PLACE
- TREE PROTECTED ZONE:
WITHIN THE TREE ZONE PROTECTIVE FENCING ALL BELOW GRADE PIPING/CONDUITS SHALL BE ABANDONED IN PLACE.
ALL STRUCTURES (MANHOLES, BOXES, POLES, TRANSFORMERS, HYDRANTS, VALVES, ETC.) SHALL BE REMOVED BY HAND OR BY HAND DIGGING.

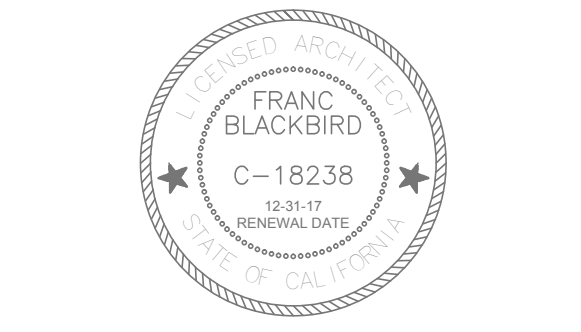
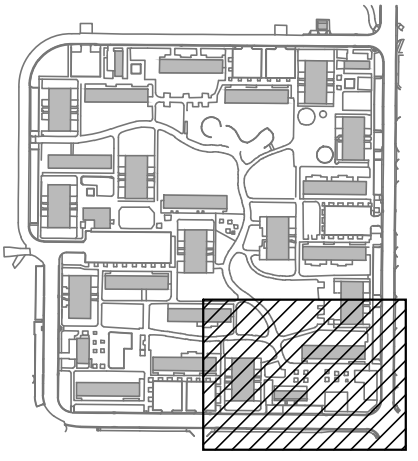
NOTES

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DRY UTILITIES KEYNOTES

- 1 REMOVE EXISTING LIGHT INCLUDING FOOTING
- 2 REMOVE PULLBOX
- 3 REMOVE TRANSFORMER
- 4 CUT, CAP AND INSTALL UTILITY MARKER

KEYPLAN



PROJECT NAME:

ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

APPROVAL STAMP:

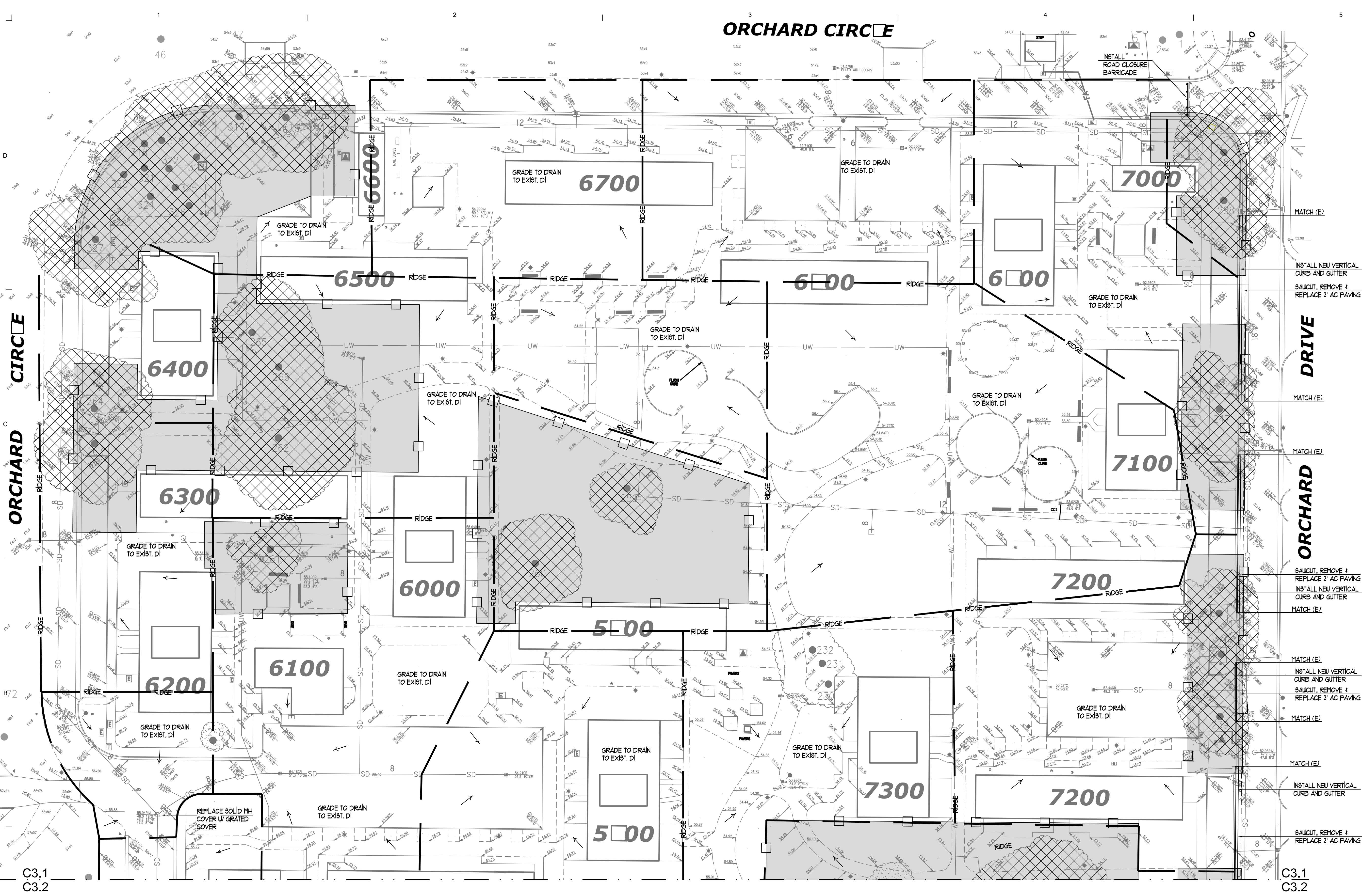
PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS:		
MARK	DATE	DESCRIPTION
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

ENLARGED DRY UTILITIES DEMOLITION PLAN

SHEET NUMBER:

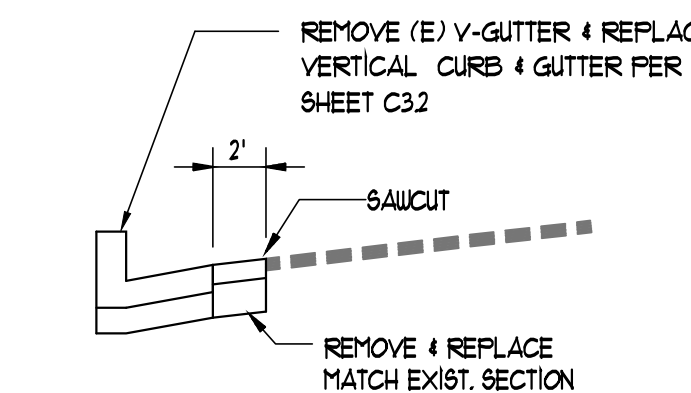
C2.6



1 PARTIAL GRADING PLAN
SCALE: 1" = 30'

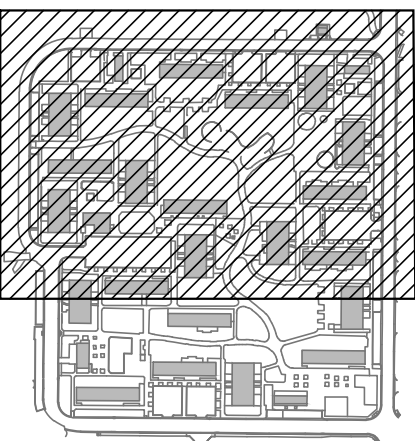
- LEGEND**
- RIDGE — RIDGE LINE/HIGH POINT
 - - - SAWCUT LINE
 - ← DIRECTION OF FLOW

- GRADING NOTES**
- AFTER COMPLETION OF CLEARING AND DEMOLITION WORK CONTRACTOR SHALL GRADE PROJECT SITE TO DRAIN. INTENT OF GRADING SCHEME IS TO CREATE RIDGE LINES (HIGH POINTS) AND GRADE TO EXISTING DRAIN INLETS (LOW POINTS). GRADING SHALL SMOOTH OUT UNEVEN AREAS, CREATING A SMOOTH SLOPE SO PONDING OF WATER DOES NOT OCCUR. FINISH GRADING SHALL TRANSITION AND MATCH EXISTING GRADES JUST OUTSIDE OF DRIP LINES OF TREES. NO MACHINE GRADING SHALL OCCUR WITHIN DRIP LINES OF TREES TO REMAIN.
 - ALL GRADING NECESSARY FOR THE INSTALLATION OF CONCRETE CURB AND GUTTERS POSITIONED UNDER THE DRIP LINE OF EXISTING TREES SHALL BE ACCOMPLISHED BY HAND. MACHINE GRADING WILL NOT BE ALLOWED WITHIN THE DRIP LINE.

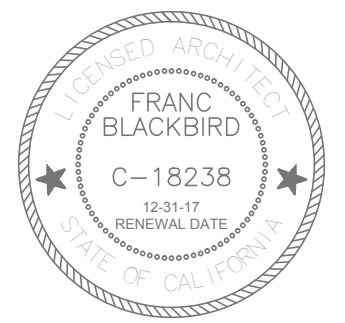


A TYPICAL STREET SECTION
N.T.S.

KEYPLAN



BLACKBIRD
ASSOCIATES
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2320 J STREET, SACRAMENTO, CA 95816
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PROJECT NAME:

ORCHARD PARK
DEMOLITION

UNIVERSITY OF
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DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

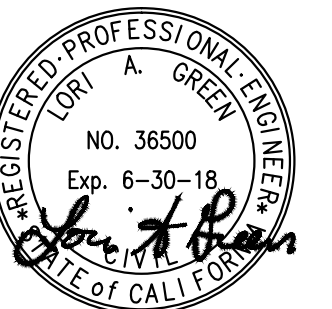
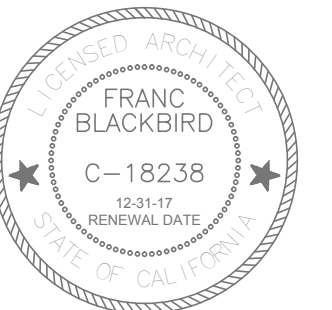
UCD PROJECT NUMBER:
2506220
APPROVAL STAMP:

PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO:	959	
REVISIONS:		
MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:
PARTIAL
GRADING PLAN

SHEET NUMBER:

C3.1



PROJECT NAME:

ORCHARD PARK DEMOLITION

UNIVERSITY OF
CALIFORNIA
DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

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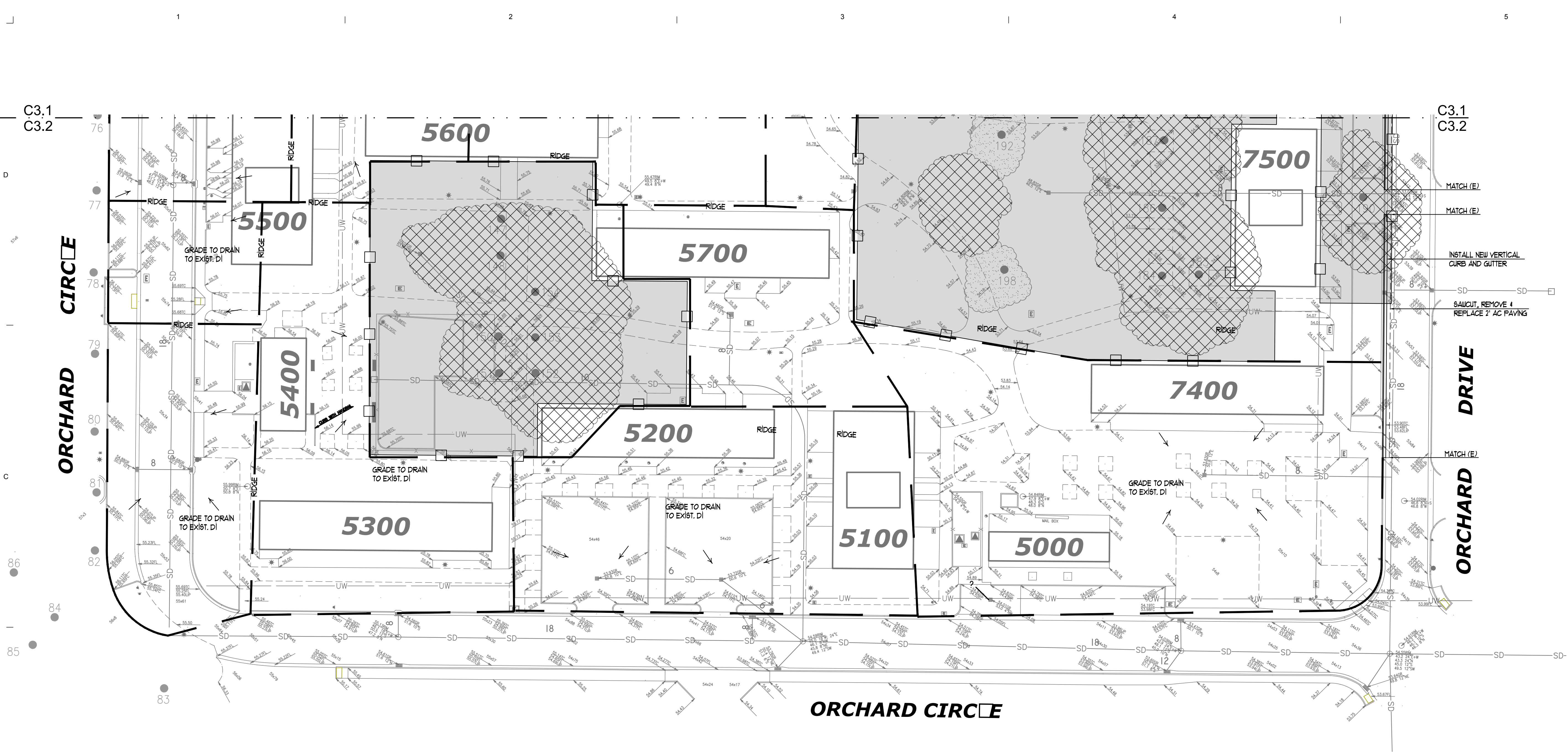
PROJECT INFORMATION:		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS:		
MARK	DATE	DESCRIPTION
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

PARTIAL GRADING PLAN

SHEET NUMBER:

C3.2



1 PARTIAL GRADING PLAN

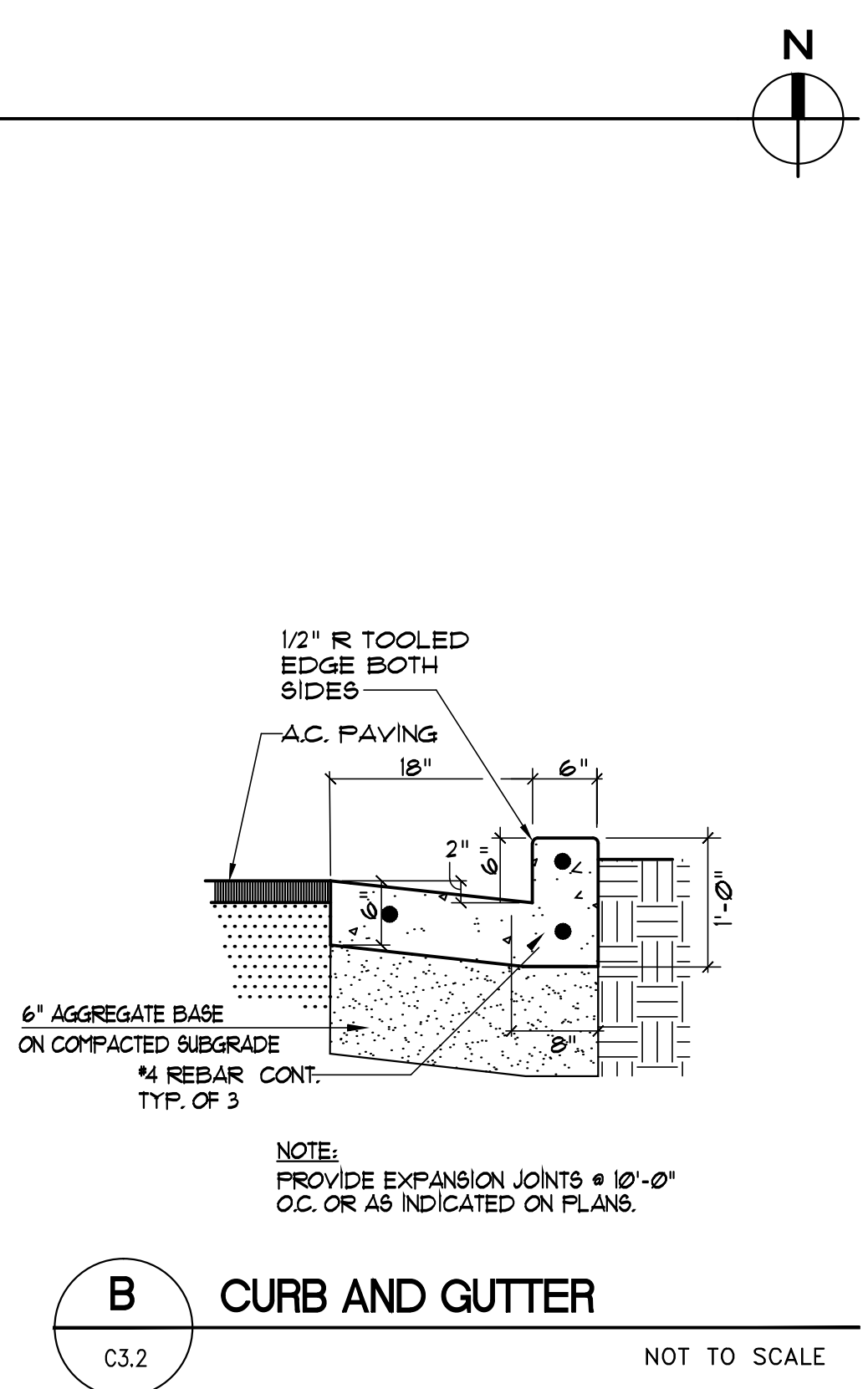
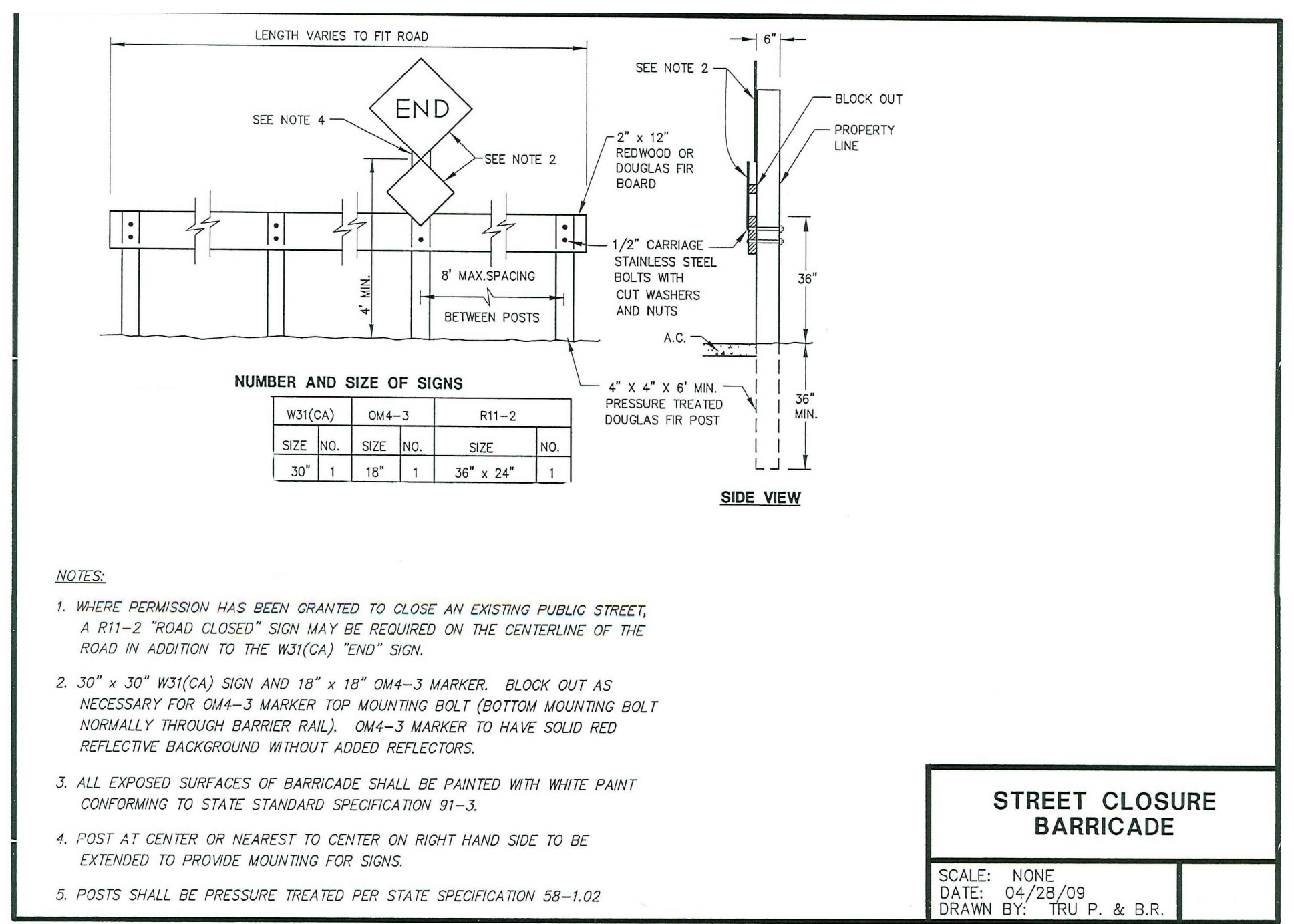
SCALE: 1" = 30'

LEGEND

- RIDGE
- SAWCUT LINE
- DIRECTION OF FLOW

GRADING NOTES

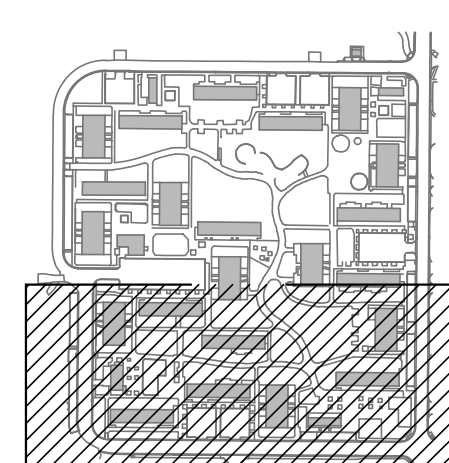
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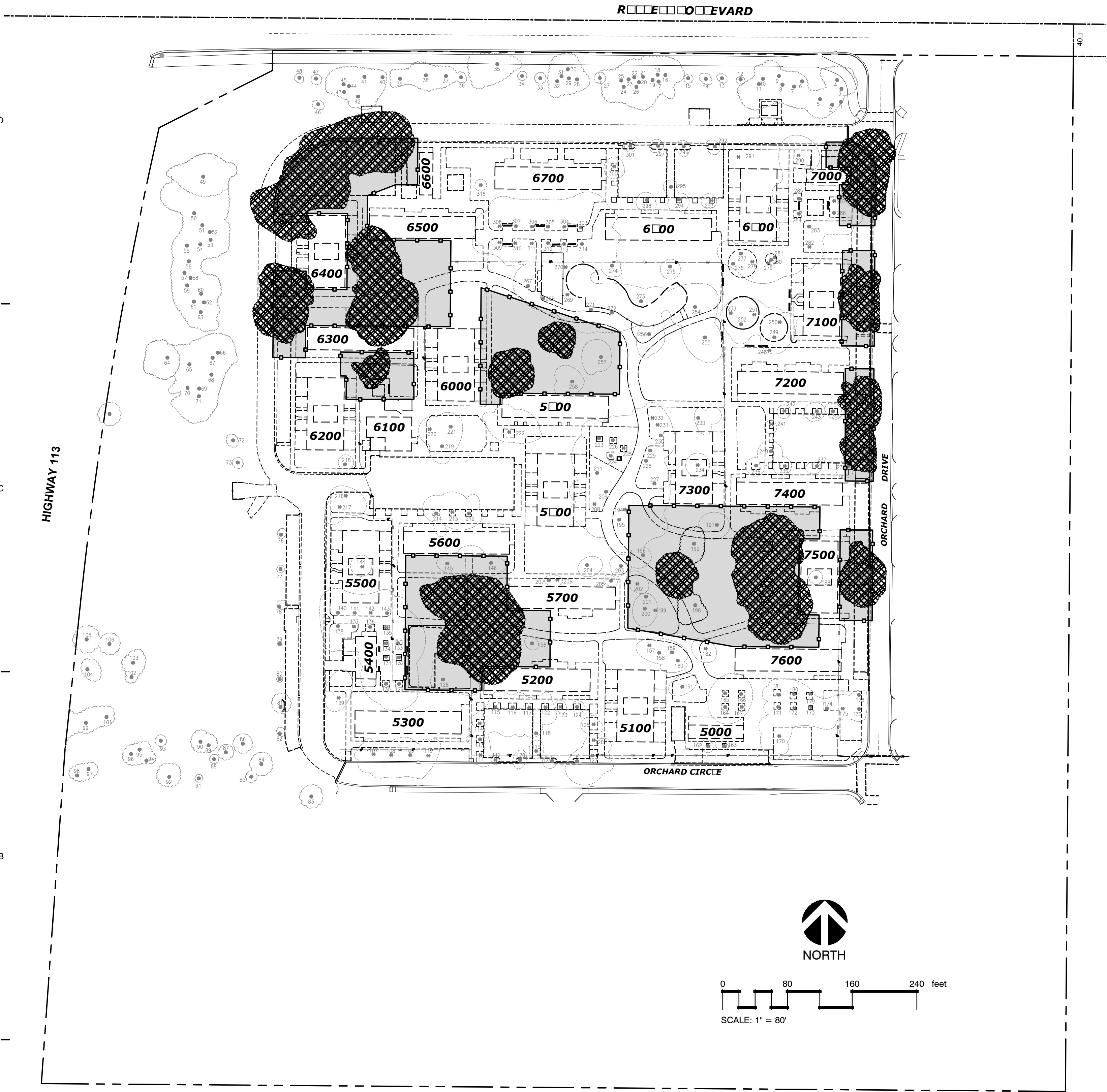


A TYPICAL STREET SECTION

N.T.S.

KEYPLAN





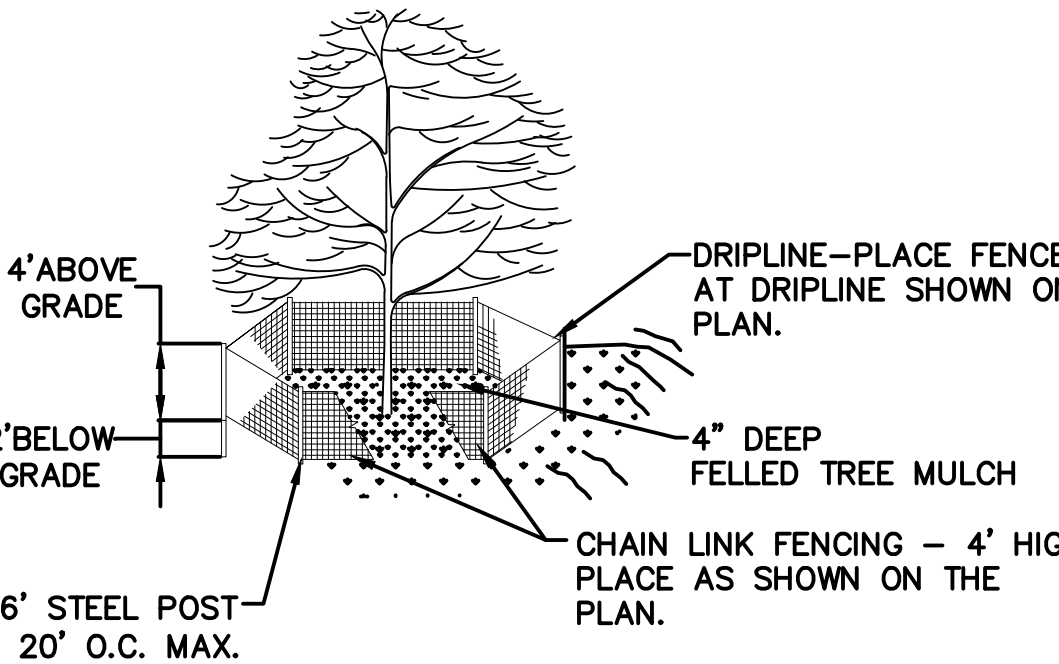
GENERAL NOTES

- SYMBOL DESCRIPTION**
- 1 THE SITE SHALL BE WALKED BY CONTRACTOR AND UNIVERSITY REPRESENTATIVE TO MARK ALL TREES THAT ARE TO BE REMOVED. NO TREE SHALL BE REMOVED UNTIL THIS WALK IS PERFORMED.
- 2 ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LOCAL CODES AND ORDINANCES.
- 3 ALL DISTURBED AREAS SHALL BE HYDRO-SEEDED. SEE HYDRO-SEED NOTE FOR FURTHER INFORMATION.
- 4 ALL EXISTING TREES SHALL BE PROTECTED AS SHOWN ON DETAIL.
- 5 UCD WILL SELECT FELLED TREES FOR MILLING. THE REMAINING TREES SHALL BE MULCHED. THIS MULCH SHALL BE USED UNDER THE EXISTING TREES TO REMAIN.
- 6 TREE STUMPS SHALL BE CUT AT GRADE AND STUMP SHALL BE GROUND.
- 8 ALL REMAINING TREES SHALL BE MULCHED TO A DEPTH OF 4" WITH SHREDDED FELLED TREE MULCH.
- 9 ALL TREES BEING REMOVED SHALL BE CHIPPED. THE STOCK PILE OF CHIPPINGS SHALL BE WITHIN 1 MILE OF THE SITE.
- 10 NO WORK SHALL BE DONE ON TREES OUTSIDE OF ORCHARD PARK CIRCLE.
- 11 NO VEHICLE PARKING OR PRODUCT STORAGE SHALL OCCUR UNDER THE DRIP LINES OF THE EXISTING TREES OUTSIDE ORCHARD PARK CIRCLE.
- 12 NO PICNIC TABLES OR PORTABLE TOILETS SHALL BE ALLOWED WITHIN THE PROTECTION ZONE OF EXISTING TREES.

- DRIP LINE OF EXISTING TREES
- DELINEATION OF HERITAGE TREES

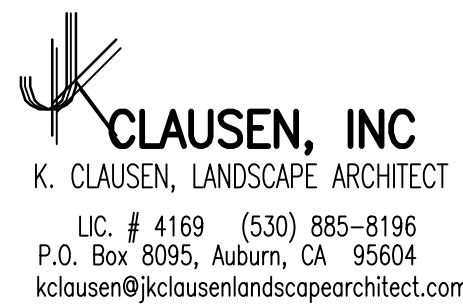
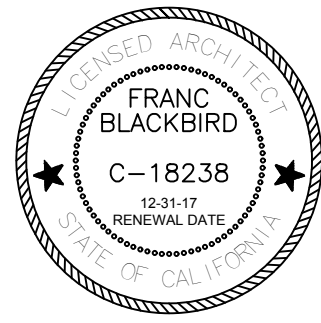
HYDRO-SEED NOTE

- SYMBOL DESCRIPTION**
- 1 7.5 lbs./AC. TRIFOLIUM INCARNATUM (CRIMSON CLOVER)
13.5 lbs./AC. HORDEUM VULGARE (COMMON BARLEY)
14.5 BROMUS CARINATUS (CUCAMONSA BROME)
14.5 lbs./AC. LOLIUM MULTIFLORUM (ANNUAL RYEGRASS)
NATIVE GRASS & WILD FLOWER HYDRO-SEED FIBER & FERTILIZER RECOMMENDATIONS:
200 LBS./ACRE 6-20-0 FERTILIZER
100 LBS./ACRE FISCH-STIK STABILIZING EMULSION
800 LBS./ACRE NATURE'S OWN FIBER



TREE PROTECTION AND MITIGATION

- TREE PROTECTION** - ALL EXISTING TREES OR GROUPINGS OF TREES SHALL BE FENCED PRIOR TO ANY CONSTRUCTION OR DEMOLITION ACTIVITIES. FENCING AND TREE PROTECTION SHALL BE AS FOLLOWS:
- A. CHAIN LINK FENCING SHALL BE TIED SECURELY TO 6" STEEL POSTS, 20' ON CENTER MAXIMUM OR OTHER MEANS ACCEPTABLE TO THE UNIVERSITY'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK. THE POST SHALL BE SECURELY HELD IN PLACE BY BEING PLACED IN A 8"x8"x10" CONCRETE BLOCK.
- B. FENCING SHALL BE PLACED AS SHOWN ON PLAN. SEE PLAN FOR APPROXIMATE FENCING LOCATIONS. FENCING SHALL REMAIN INTACT UNTIL DEMOLITION IS COMPLETED AND MAY NOT BE REMOVED WITHOUT THE WRITTEN APPROVAL OF THE UNIVERSITY'S REPRESENTATIVE.
- C. NO EXCAVATION, CUTTING, FILLING, PAVING OR COMPACTION OF THE EXISTING GROUND SURFACES WITHIN THE PROTECTED ZONE WILL BE PERMITTED. NO ADVERSE SIGNIFICANT CHANGE IN EXISTING GROUND LEVEL SHALL OCCUR WITHIN THE TREE PROTECTION ZONE.
- D. CONSTRUCTION EQUIPMENT, PICNIC TABLES OR PORTABLE TOILETS SHALL NOT BE STORED WITHIN THE PROTECTED TREE ZONE. NO OIL, GAS, CHEMICALS OR OTHER SUBSTANCES THAT MAY BE HARMFUL TO TREES SHALL BE STORED OR DUMPED WITHIN THE PROTECTED ZONE, OR ANY OTHER LOCATION ON THE SITE FROM WHICH SUCH SUBSTANCES MIGHT ENTER THE PROTECTED ZONE.
- E. TRENCHING, INCLUDING UNDERGROUND TRENCHING, WITHIN THE TREE PROTECTION ZONE WILL NOT BE ALLOWED. IF AVOIDANCE IS IMPRACTICAL, TUNNELS SHALL BE MADE BELOW THE ROOTS.



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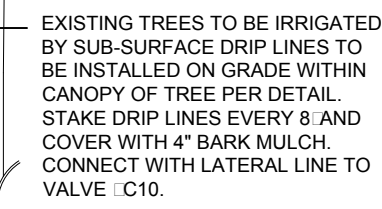
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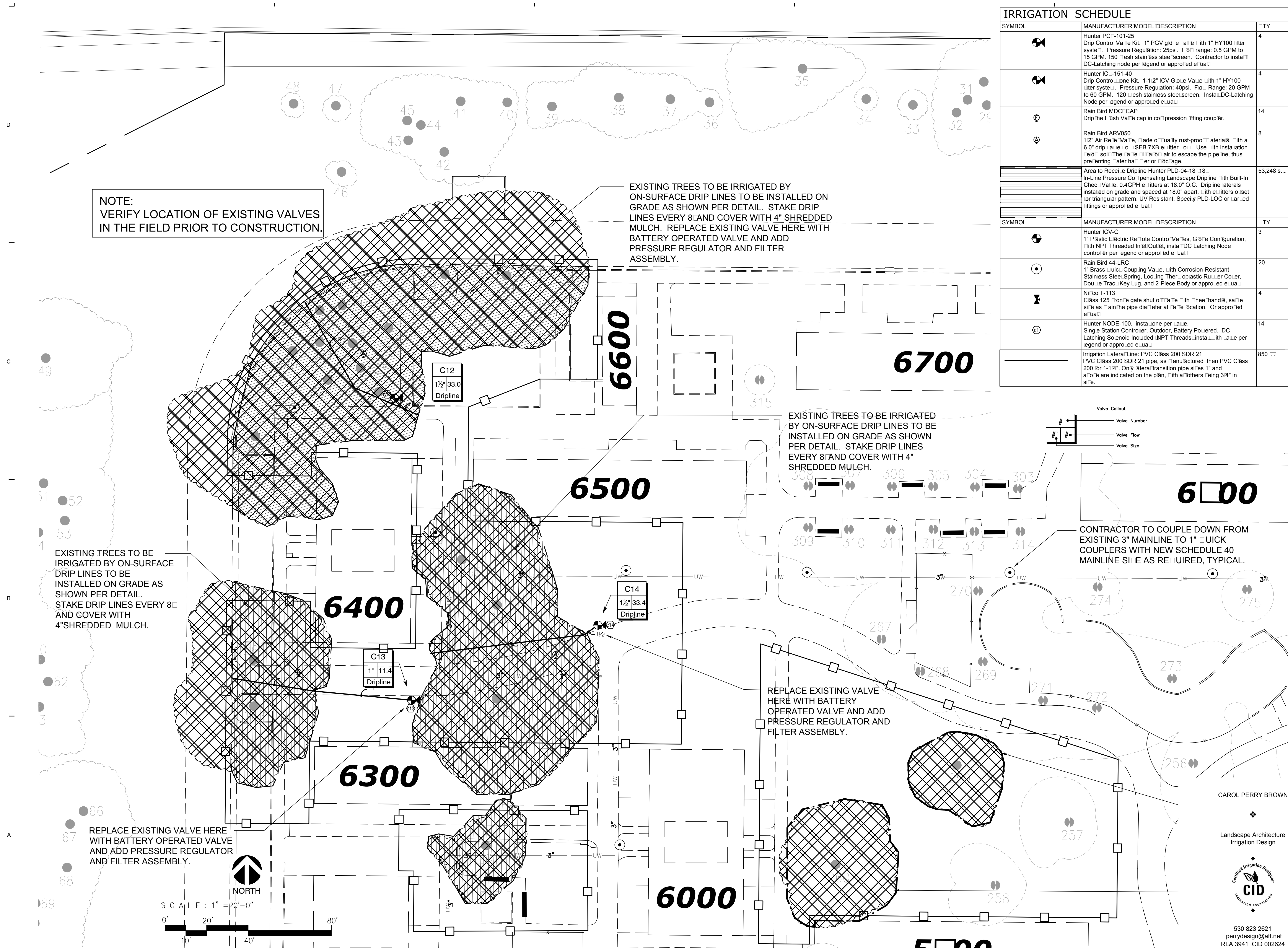
SHEET NAME:

TREE PROTECTION & SITE PRESERVATION PLAN

SHEET NUMBER:

L1.0





IRRIGATION_SCHEDULE		
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter PC-101-25 Drip Control Valve Kit. 1" PGV globe valve with 1" HY100 liter system. Pressure Regulation: 25psi. Flow range: 0.5 GPM to 15 GPM. 150 mesh stainless steel screen. Contractor to install DC-Latching node per legend or approved detail.	4
	Hunter ICV-151-40 Drip Control Valve Kit. 1-1/2" ICV Globe Valve with 1" HY100 liter system. Pressure Regulation: 40psi. Flow Range: 20 GPM to 60 GPM. 120 mesh stainless steel screen. Install DC-Latching Node per legend or approved detail.	4
	Rain Bird MDCFCAP Drip Line Flush Valve cap in compression fitting coupler.	14
	Rain Bird ARV050 1/2" Air Release Valve, made of quality rust-proof materials, with a 6.0" drip rate of 0.57 GPH. Use with installation in soil. The rate of air to escape the pipeline, thus preventing water hammer or blockage.	8
	Area to Receive Drip Line Hunter PLD-04-18 18" In-Line Pressure Compensating Landscape Drip Line with Built-In Check Valve. 0.4 GPH emitters at 18.0" O.C. Drip line laterals installed on grade and spaced at 18.0" apart, with emitters offset or triangular pattern. UV Resistant. Specify PLD-LOC or varied fittings or approved detail.	53,248 s.f.
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter ICV-G 1" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, install DC Latching Node controller per legend or approved detail.	3
	Rain Bird 44-LRC 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Coupler, Double Thread Key Lug, and 2-Piece Body or approved detail.	20
	Nico T-113 Class 125 iron gate shut-off valve with hand lever, same size as mainline pipe diameter at valve location. Or approved detail.	4
	Hunter NODE-100, install one per lateral. Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included. NPT Threads install with lateral per legend or approved detail.	14
	Irrigation Lateral Line: PVC Class 200 SDR 21 PVC Class 200 SDR 21 pipe, as manufactured then PVC Class 200 or 1-1/4". On lateral transition pipe sizes 1" and above are indicated on the plan, with others being 3/4" in size.	850 s.f.



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PROJECT NAME:

ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

ISSUED PROJECT NUMBER:
2506220

APPROVAL STAMP:

PROJECT INFORMATION		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS:		
MARK	DATE	DESCRIPTION
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:
TEMPORARY IRRIGATION EXISTING TREES

SHEET NUMBER:

L2.1

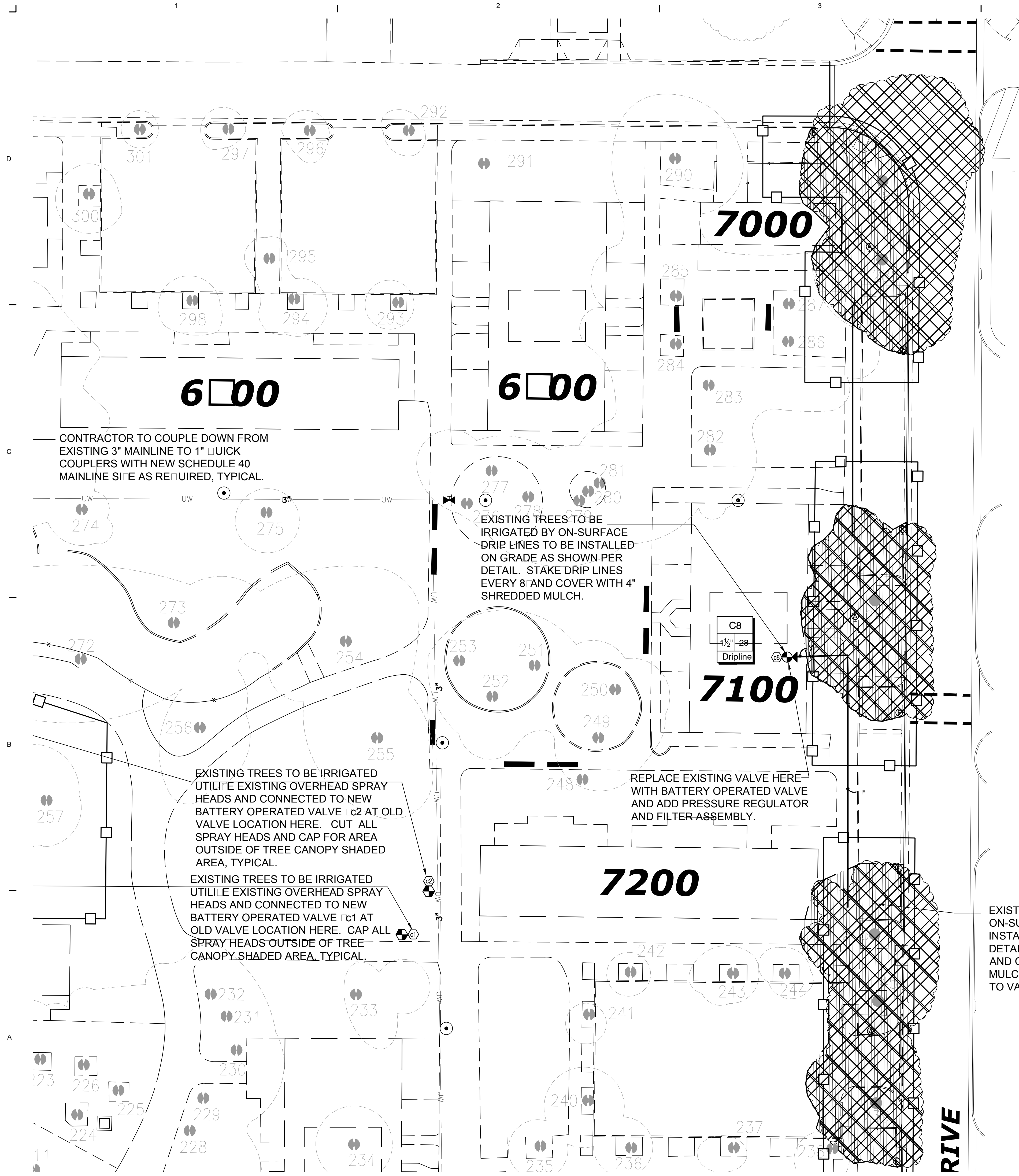
CAROL PERRY BROWN

Landscape Architecture
Irrigation Design

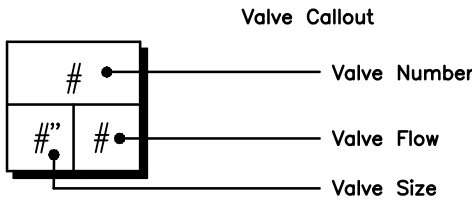


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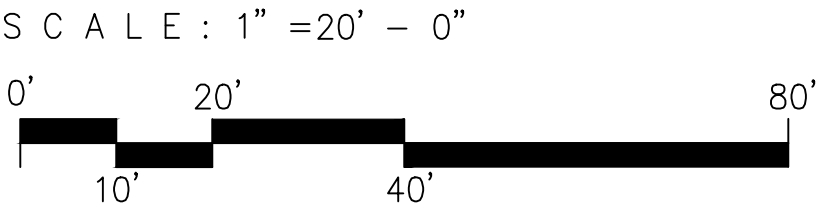
PERRY DESIGN



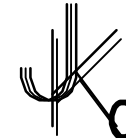
IRRIGATION SCHEDULE		
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter PC-101-25 Drip Control Valve Kit. 1" PGV globe valve with 1" HY100 filter system. Pressure Regulation: 25psi. Flow Range: 0.5 GPM to 15 GPM. 150 mesh stainless steel screen. Contractor to install DC-Latching node per legend or approved detail.	4
	Hunter IC-151-40 Drip Control Valve Kit. 1-1/2" ICV Globe Valve with 1" HY100 filter system. Pressure Regulation: 40psi. Flow Range: 20 GPM to 60 GPM. 120 mesh stainless steel screen. Install DC-Latching Node per legend or approved detail.	4
	Rain Bird MDCFAP Dripline Flush Valve cap in compression fitting coupler.	14
	Rain Bird ARV050 1/2" Air Release Valve. Made of quality rust-proof materials. With a 6.0" drip rate. SEB 7XB emitter. Use with installation soil. The air will escape the pipeline, thus preventing water hammer or blockage.	8
	Area to Receive Dripline Hunter PLD-04-18 18" In-Line Pressure Compensating Landscape Dripline with Built-In Check Valve. 0.4GPH emitters at 18.0" O.C. Dripline laterals installed on grade and spaced at 18.0" apart, with emitters offset or triangular pattern. UV Resistant. Specify PLD-LOC or detailed fittings or approved detail.	53,248 sq ft
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter ICV-G 1" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, install DC Latching Node controller per legend or approved detail.	3
	Rain Bird 44-LRC 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, Double Thread Key Lug, and 2-Piece Body or approved detail.	20
	Nico T-113 Class 125 Iron Gate shut-off valve with three hand levers, size as mainline pipe diameter at valve location. Or approved detail.	4
	Hunter NODE-100, install one per lateral. Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included. NPT Threads install with detail per legend or approved detail.	14
	Irrigation Lateral Line: PVC Class 200 SDR 21 PVC Class 200 SDR 21 pipe, as manufactured then PVC Class 200 or 1-1/4". Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size.	850 sq ft



NOTE:
VERIFY LOCATION OF EXISTING VALVES
IN THE FIELD PRIOR TO CONSTRUCTION.



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DAVIS

255 COUSTEAU PLACE
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UCD PROJECT NUMBER:

2506220

APPROVAL STAMP:

PROJECT INFORMATION:

ISSUE DATE:

PROJECT NO: 959

REVISIONS:

MARK	DATE	DESCRIPTION
1	4-7-17	95% CD SUBMITTAL
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

TEMPORARY IRRIGATION
EXISTING TREES

SHEET NUMBER:

L2.2

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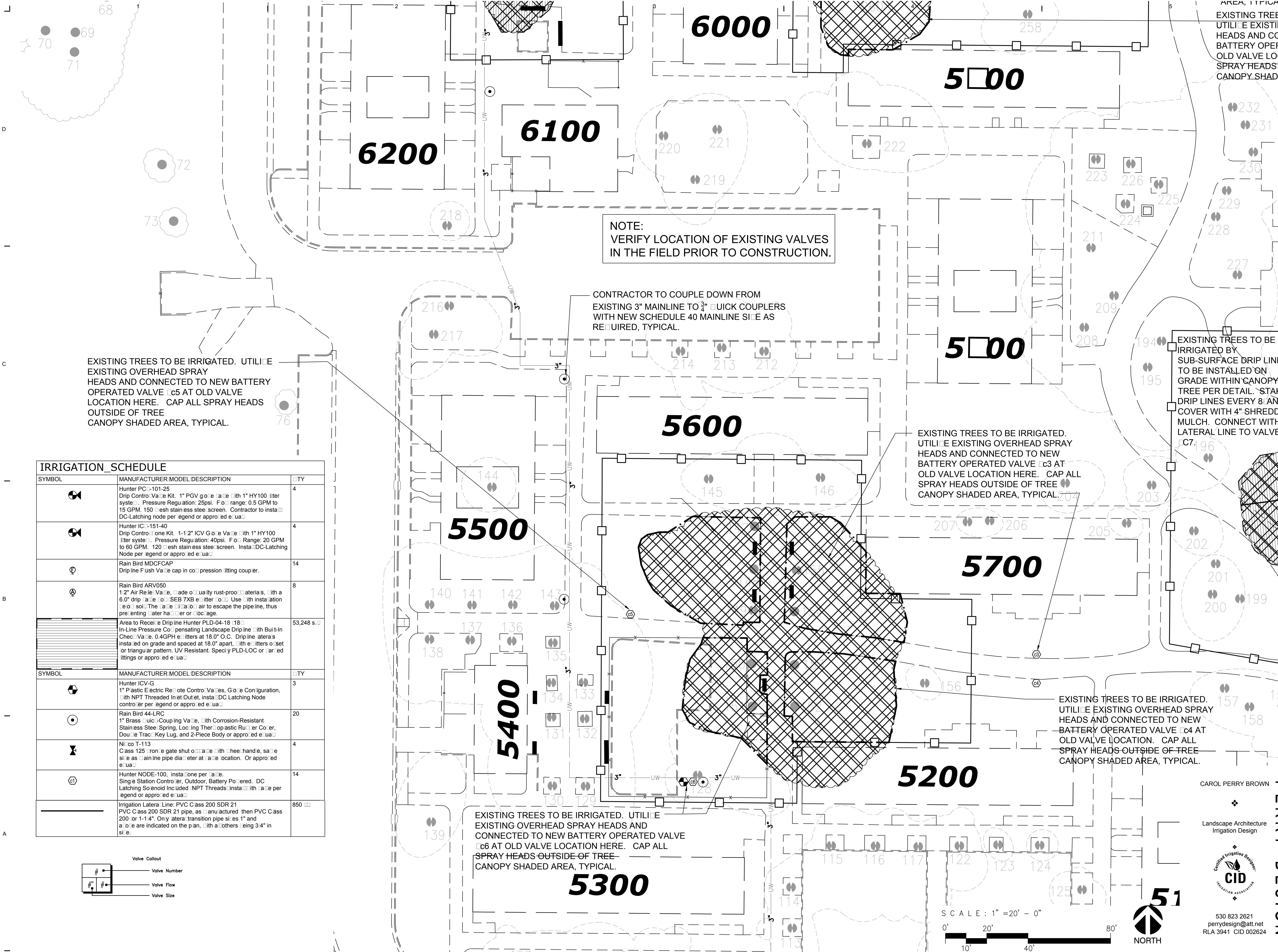


Landscape Architecture
Irrigation Design

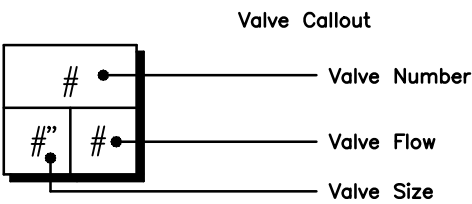


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PERRY DESIGN



IRRIGATION SCHEDULE		
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter PC-101-25 Drip Control Valve Kit. 1" PGV globe valve with 1" HY100 liter system. Pressure Regulation: 25psi. Flow range: 0.5 GPM to 15 GPM. 150 mesh stainless steel screen. Contractor to install DC-Latching node per legend or approved detail.	4
	Hunter IC-151-40 Drip Control Valve Kit. 1-1/2" ICV Globe Valve with 1" HY100 liter system. Pressure Regulation: 40psi. Flow Range: 20 GPM to 60 GPM. 120 mesh stainless steel screen. Install DC-Latching Node per legend or approved detail.	4
	Rain Bird MDCFCAP Drip Line Flush Valve cap in compression fitting coupler.	14
	1/2" Air Release Valve. Made of quality rust-proof materials, with a 6.0" drip rate. SEB 7XB emitter. Use with installation recommendations. The emitter allows air to escape the pipe line, thus preventing water hammer or blockage.	8
	Area to Receive Drip Line Hunter PLD-04-18 1/8" In-Line Pressure Compensating Landscape Drip Line with Built-In Check Valve. 0.4GPH emitters at 18.0" O.C. Drip Line emitters installed on grade and spaced at 18.0" apart, with emitters offset or triangular pattern. UV Resistant. Specify PLD-LOC or Lined fittings or approved detail.	53,248 sq ft
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter ICV-G 1" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, install DC Latching Node controller per legend or approved detail.	3
	Rain Bird 44-LRC 1" Brass Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, Double Track Key Lug, and 2-Piece Body or approved detail.	20
	Nico T-113 Class 125 Iron Gate shut-off valve with check handle, same size as main line pipe diameter at valve location. Or approved detail.	4
	Hunter NODE-100, install one per area. Single Station Controller. Outdoor, Battery Powered. DC Latching Solenoid Included. NPT Threads install with detail per legend or approved detail.	14
	Irrigation Lateral Line: PVC Class 200 SDR 21 PVC Class 125 SDR 21 pipe, as manufactured then PVC Class 200 or 1-1/4". On y lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size.	850 ft



AREA, TYPICAL
EXISTING TREE
UTILIZE EXISTING
HEADS AND CO
BATTERY OPER
OLD VALVE LOC
SPRAY HEADS
CANOPY SHADE



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1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

TEMPORARY IRRIGATION
EXISTING TREES

SHEET NUMBER:

L2.3

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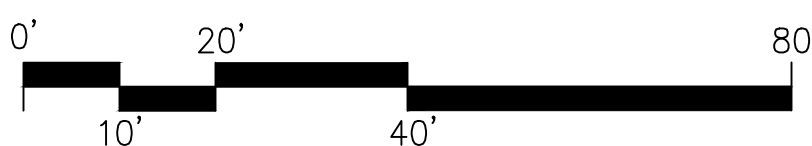
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Irrigation Design



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PERRY DESIGN

SCALE: 1" = 20' - 0"

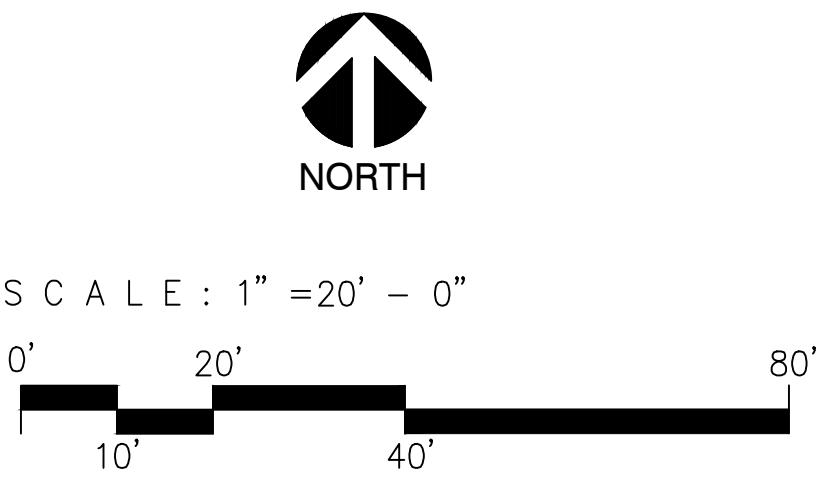
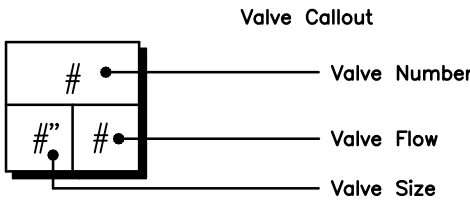




EXISTING TREES TO BE IRRIGATED BY ON-SURFACE DRIP LINES TO BE INSTALLED ON GRADE AS SHOWN PER DETAIL. STAKE DRIP LINES EVERY 8" AND COVER WITH 4" SHREDDED MULCH. CONNECT WITH LATERAL LINE TO VALVE C8 ABOVE.

EXISTING TREES TO BE IRRIGATED BY SUB-SURFACE DRIP LINES TO BE INSTALLED ON GRADE WITHIN CANOPY OF TREE PER DETAIL. STAKE DRIP LINES EVERY 8" AND COVER WITH 4" BARK MULCH. CONNECT WITH LATERAL LINE TO VALVE C10.

IRRIGATION_SCHEDULE		
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter PC-101-25 Drip Control Valve Kit, 1" PGV globe valve with 1" HY100 filter system. Pressure Regulation: 25psi. Flow Range: 0.5 GPM to 15 GPM. 150 mesh stainless steel screen. Contractor to install DC-Latching node per legend or approved detail.	4
	Hunter IC-151-40 Drip Control Valve Kit, 1-1/2" ICV Globe Valve with 1" HY100 filter system. Pressure Regulation: 40psi. Flow Range: 20 GPM to 60 GPM. 120 mesh stainless steel screen. Install DC-Latching Node per legend or approved detail.	4
	Rain Bird MDCFCAP Drip line Flush Valve cap in compression fitting coupler.	14
	Rain Bird ARV050 1/2" Air Release Valve, made of quality rust-proof materials, with a 6.0" drip rate to SEB 7XB emitter. Use with installation of solid The rate of air to escape the pipeline, thus preventing water hammer or blockage.	8
	Area to Receive Drip line Hunter PLD-04-18 1/8" In-Line Pressure Compensating Landscape Drip line with Built-In Check Valve, 0.4GPH emitters at 18.0" O.C. Drip line laterals installed on grade and spaced at 18.0" apart, with emitters of set or triangular pattern. UV Resistant. Specify PLD-LOC or similar fittings or approved detail.	53,248 s.f.
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY
	Hunter ICV-G 1" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, install DC Latching Node controller per legend or approved detail.	3
	Rain Bird 44-LRC 1" Brass Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Theroplastic Rubber Coupler, Double Thread Key Lug, and 2-Piece Body or approved detail.	20
	Nico T-113 Class 125 Iron gate shut off valve with wheel handle, same size as main line pipe diameter at valve location. Or approved detail.	4
	Hunter NODE-100, install one per valve. Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included. NPT Threads install with detail per legend or approved detail.	14
	Irrigation Lateral Line: PVC Class 200 SDR 21 PVC Class 200 SDR 21 pipe, as manufactured then PVC Class 200 or 1-1/4". Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size.	850 s.f.



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Irrigation Design

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PERRY DESIGN

ARCHITECTURE AND
PROJECT MANAGEMENT

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1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

TEMPORARY IRRIGATION EXISTING TREES

SHEET NUMBER:

L2.4

J

1

2

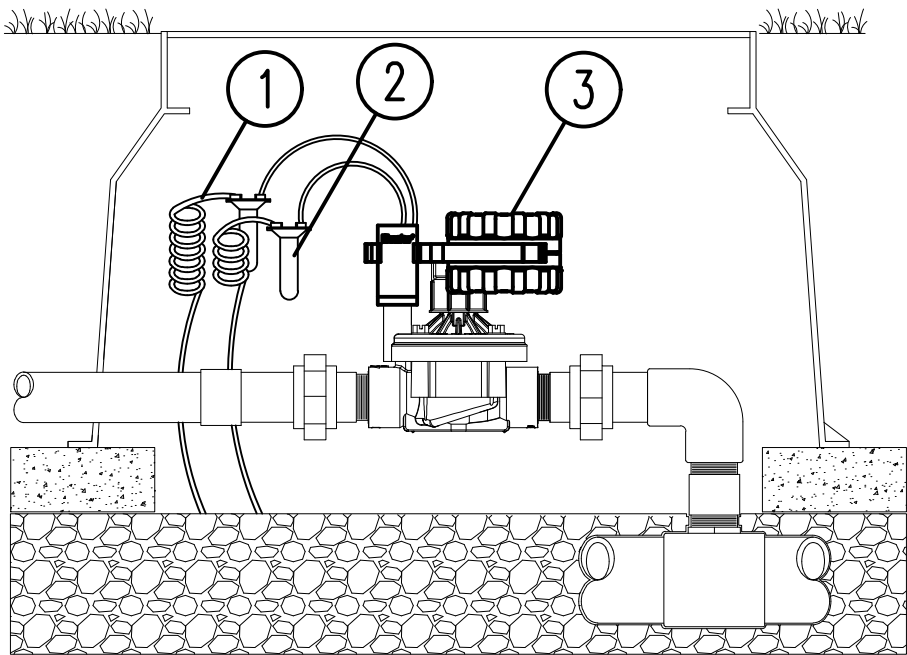
3

4

5

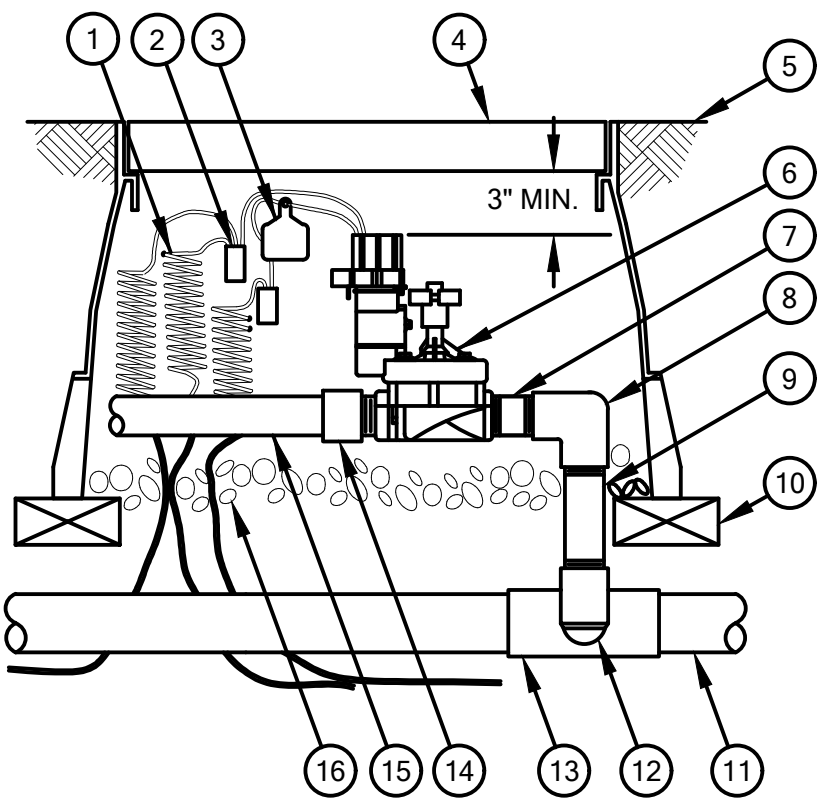
SUBSURFACE IRRIGATION NOTES

- FOR ALL EXISTING TREE CANOPY AREAS NOTED ON PLAN TO HAVE RAIN BIRD XFS ON-SURFACE DRIPLINE IRRIGATION INSTALLED, CONTRACTOR SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS, DETAILS, AND THESE NOTES.
- THIS PLAN IS DIAGRAMMATIC AND DOES NOT SHOW EXACT LOCATION OF RAIN BIRD XFS DRIPLINE, FLUSH VALVES, OR AIR RELIEF VALVES, OR INDICATORS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION PROCEDURES. ALL DRIPLINE SHALL BE INSTALLED ON GRADE AND WIDTH OF ALL PERIMETER DRIPLINE LOCATED NO FURTHER THAN 6" FROM CONFINING EDGE. PLACE PERIMETER DRIP LINE OVER HEADERS IF NECESSARY. THE REMAINING INTERIOR LATERALS SHALL BE EQUALLY SPACED AND MINIMUM 18". DRIPLINE SHALL BE STAKED DOWN PER DETAIL ON SHEET L2.6.
- ALL RAIN BIRD XFS DRIPLINE SHALL TIE BACK INTO EITHER ADJACENT DRIP LINE OR SUPPLY OR EXHAUST MAINTAINING A CLOSED SYSTEM.
- ALL SUBSURFACE IRRIGATION PRODUCTS AND SPECIFICATIONS ARE AVAILABLE THROUGH THE RAIN BIRD CORPORATION, www.rainbird.co
- CONTRACTOR SHALL USE RAIN BIRD XFS DRIPLINE FITTINGS FOR ALL DRIPLINE CONNECTIONS.
- INSTALLATION STEPS:
 - ASSEMBLE AND INSTALL FILTER, REMOTE CONTROL VALVE AND PRESSURE REGULATOR VALVE ASSEMBLY ACCORDING TO DETAIL ON SHEET L2.6.
 - ASSEMBLE AND INSTALL SUPPLY HEADERS ACCORDING TO DETAILS ON SHEET L2.6. TEFLON TAPE OR PLUG ALL OPEN CONNECTIONS TO PREVENT DEBRIS CONTAMINATION.
 - ASSEMBLE AND INSTALL EXHAUST HEADERS IN ACCORDANCE WITH DETAILS ON SHEET SHEET L2.6, TEFLON TAPE AND PLUG ALL OPEN CONNECTIONS TO PREVENT CONTAMINATION.
 - INSTALL RAIN BIRD XFS DRIPLINE LATERALS. TAPE OR PLUG ALL OPEN ENDS WHILE INSTALLING THE RAIN BIRD XFS DRIPLINE TO PREVENT DEBRIS CONTAMINATION.
 - THOROUGHLY FLUSH SUPPLY HEADERS AND CONNECT DRIP LINE LATERALS WHILE FLUSHING.
 - THOROUGHLY FLUSH EXHAUST HEADERS AND INSTALL LINE FLUSHING VALVES ACCORDING TO DETAIL ON SHEET L2.6. INSTALL 1" FLUSH CAP FOR EVERY 15 GPM OF FLOW FOR EACH ZONE VALVE AND ON THE LOWEST ELEVATION.
 - CONTRACTOR SHALL PRESSURE TEST THE SYSTEM PRIOR TO COVERING TRENCHES, AND REPAIR ANY LEAKS PRIOR TO PLANTING.
 - CONTRACTOR SHALL COORDINATE PLANTING INSTALLATION WITH SUBSURFACE DRIP INSTALLATION.
- THE SUB-SURFACE RAIN BIRD XFS DRIPLINE SHOWN ON IRRIGATION PLANS IS DIAGRAMMATIC. FOR ALL SLOPES WITHIN SUB-SURFACE AREA, CONTRACTOR SHALL INSTALL RAIN BIRD XFS DRIPLINE PERPENDICULAR ACROSS SLOPES. CONTRACTOR SHALL IN THE UPPER 2/3 OF SLOPE SPACE RAIN BIRD XFS DRIPLINE PER LEGEND. IN THE LOWER 1/3 OF THE SLOPE INCREASE THE SPACING BETWEEN ROWS BY 25% FOR SLOPES GREATER THAN 4 TO 1 THAT INCLUDES THE DRAINAGE SWALES.
- PROVIDE RCVS, FILTER, AND PRESSURE REGULATOR FOR RAIN BIRD SYSTEMS AS PER DETAILS.
- PROVIDE SUPPLY HEADER 1/2" 200' PVC AS PER RAIN BIRD DETAILS. SEE SHEET L2.6.
- PROVIDE EXHAUST HEADER 1/2" 200' PVC AS PER RAIN BIRD DETAILS. SEE SHEET L2.6.
- INSTALL AIR VACUUM RELIEF VALVE AT THE HIGHEST POINT ON THE CIRCUIT PER RAIN BIRD MANUFACTURER'S RECOMMENDATIONS PER DETAIL ON L2.6.
- EACH SUB-SURFACE STATION SHALL HAVE A DRIP SYSTEM OPERATION INDICATOR, 6" POP-UP, INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND DETAIL ON SHEET L2.6.



- 1 18-24" COILED WIRE
- 2 WATERPROOF CONNECTORS (2)
- 3 NODE-X00

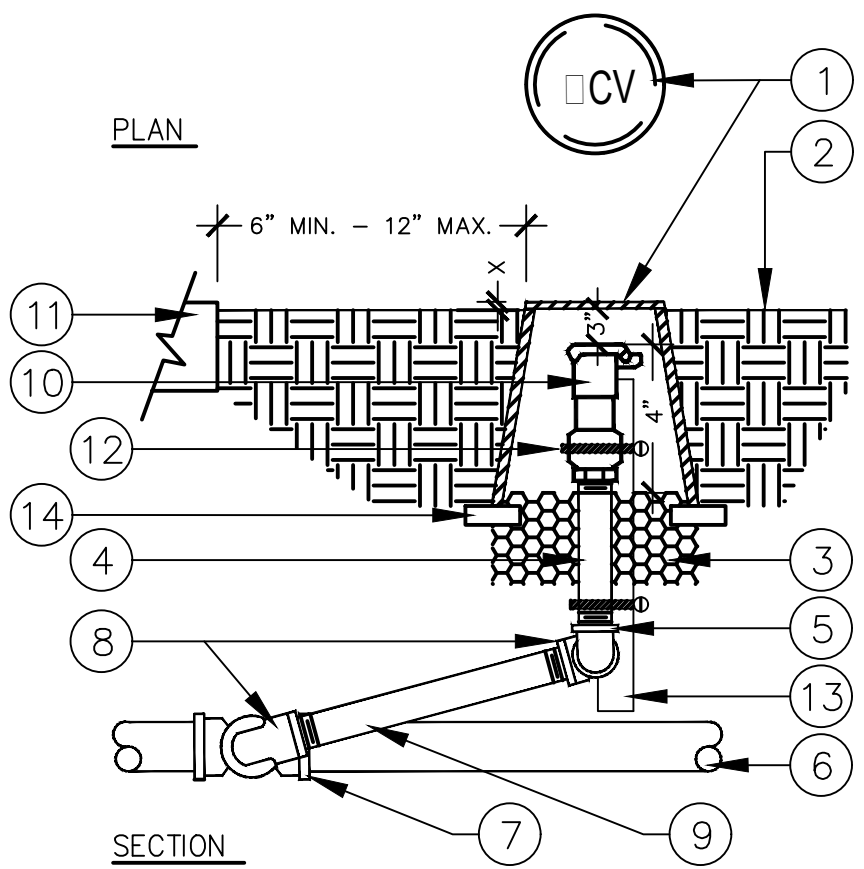
A NODE CONTROLLER AT EACH VALVE



- 1 30-INCH LINEAR LENGTH OF WIRE, COILED
- 2 WATER PROOF CONNECTION (1 OF 2)
- 3 ID TAG
- 4 VALVE BOX WITH COVER: 12-INCH SIZE
- 5 FINISH GRADE/TOP OF MULCH
- 6 REMOTE CONTROL VALVE: RAIN BIRD PEB-PRS-B
- 7 PVC SCH 80 NIPPLE (CLOSE)
- 8 PVC SCH 40 ELL
- 9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 10 BRICK (1 OF 4)
- 11 PVC MAINLINE PIPE
- 12 SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
- 13 PVC SCH 40 TEE OR ELL
- 14 PVC SCH 40 MALE ADAPTER
- 15 PVC LATERAL PIPE
- 16 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

B REMOTE CONTROL VALVE

NOT TO SCALE

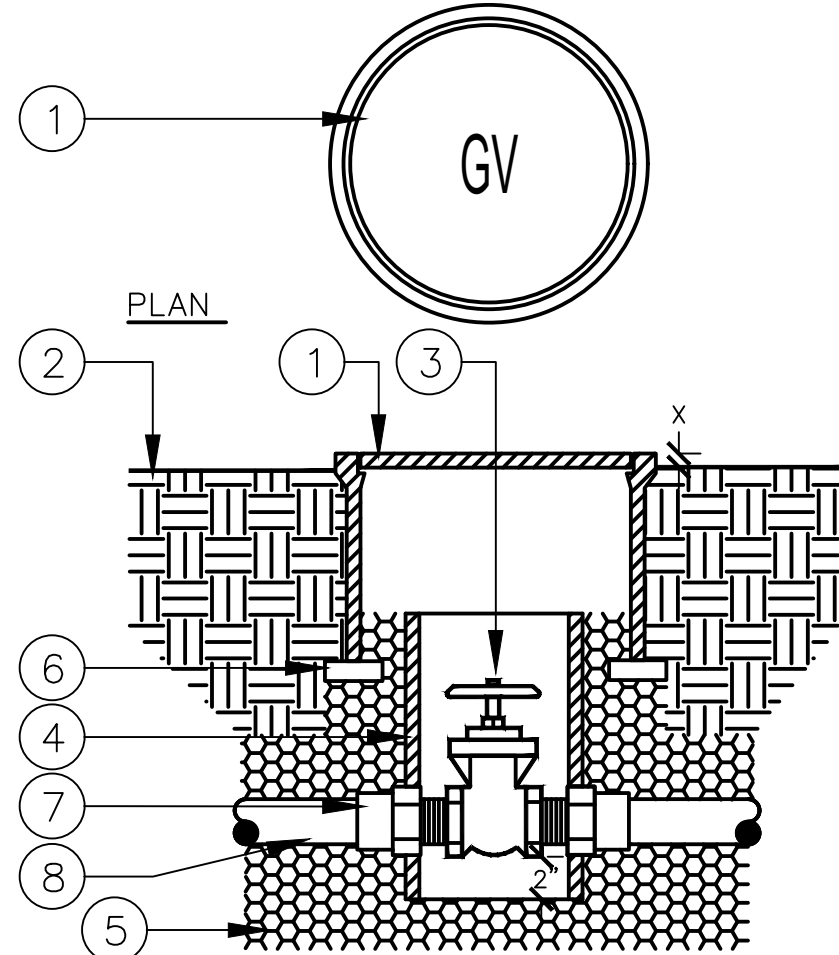


- LEGEND:
- 10" ROUND VALVE BOX. HEAT BRAND "QCV" ON LID IN 2" HIGH CHARACTERS.
 - FINISH GRADE.
 - 3/4" CRUSHED ROCK, 6" DEPTH.
 - SCH 80 NIPPLE, LENGTH AS REQUIRED.
 - SCH 40 90° ELL.
 - MAINLINE PIPING.
 - MAINLINE FITTING.
 - SCH 40 90° STREET ELL.
 - SCH 80 NIPPLE, 6" LONG.
 - QUICK COUPLING VALVE.
 - ADJACENT CONCRETE.
 - STAINLESS STEEL CLAMPS.
 - 1" X 3/16" X 30" ANGLE IRON.
 - COMMON BRICK (2 REQUIRED).

NOTES:
1. USE TEFLON TAPE ON ALL MALE PIPE THREADS.
X - 1 1/2" ABOVE FINISH GRADE IN LAWN AREAS
2 1/2" ABOVE FINISH GRADE IN SHRUB AREAS.

C QUICK COUPLER

SCALE: N.T.S.



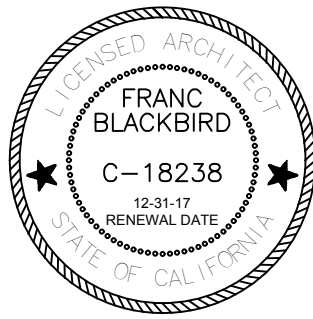
- LEGEND:
- ROUND VALVE BOX WITH GREEN BOLT DOWN COVER. HEAT BRAND "GV" ON VALVE BOX COVER IN 2" HIGH LETTERS.
 - FINISH GRADE.
 - GATE VALVE WITH BRONZE WHEEL HANDLE OR CROSS- HANDLE.
 - 6" DIA. SCH. 40 PVC PIPE EXTENSION. LENGTH AS REQUIRED.
 - 3/4" CRUSHED ROCK. 8" DEPTH.
 - COMMON BRICK (2 REQUIRED).
 - FLANGED MALE ADAPTER. TYPICAL.
 - PVC MAIN LINE PIPE.
- NOTE:
X - 1" IN TURF AREAS
2" IN SHRUB AREAS

D GATE VALVE

SCALE: N.T.S.

IRRIGATION NOTES

- IRRIGATION SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES, INCLUDING THE REQUIREMENTS OF CITY OF DAVIS AND ALL WORK SHALL BE BY LICENSED CONTRACTORS AND EXPERIENCED WORKMEN. OWNER SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES RELATING TO HIS WORK.
 - CONTRACTOR IS TO VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO PERFORMING ANY EXCAVATIONS. CONTACT UNDERGROUND SERVICE ALERT (USA) AT 800.642.2444 FOR UTILITY MARKING. CONTRACTOR IS TO REPAIR ANY DAMAGE CAUSED BY, OR DURING THE PERFORMANCE OF, HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
 - THE IRRIGATION PLAN IS DIAGRAMMATIC. ALL REQUIRED OFFSETS MAY NOT BE SHOWN. PARALLEL PIPES MAY BE INSTALLED IN A COMMON TRENCH. PIPES SHALL HAVE A MINIMUM 3" HORIZONTAL SEPARATION AND ARE NOT TO BE INSTALLED DIRECTLY ABOVE ONE ANOTHER.
 - REMOTE CONTROL VALVE BOXES FOR THE FILTERS AND PRESSURE REGULATORS TO BE SET AT 12" ABOVE FINISH GRADE IN SHRUB AREAS. ALIGN VALVE BOXES WITH ADJACENT PAVEMENT EDGES, ARCHITECTURAL FEATURES, OR ADJACENT VALVE BOXES, AS APPLICABLE FOR A NEAT APPEARANCE. VALVE BOXES ARE TO CONFORM WITH FINISH GRADES (NOT NECESSARILY LEVEL).
 - ALL EXCAVATIONS ARE TO BE BACKFILLED TO 85% COMPACTION (90% UNDER PAVING).
 - THE SYSTEM REQUIRES THE MINIMUM OPERATING PRESSURE OF 40 PSI REQUIRED DOWNSTREAM OF VALVE AND THE MAXIMUM DEMAND OF 35 GPM. THE CONTRACTOR SHALL VERIFY THE EXISTING WATER PRESSURE ON SITE PRIOR TO CONSTRUCTION. REPORT TO THE LANDSCAPE ARCHITECT ANY DIFFERENCE BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE POINT OF CONNECTION. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
 - CONTRACTOR SHALL PROVIDE OWNER WITH AN ACCURATE AS-BUILT SET OF DRAWINGS OF THE NEW IRRIGATION SYSTEM PRIOR TO FINAL ACCEPTANCE OF THE WORK. AS-BUILT DRAWINGS SHALL BE DELINEATED AS A PDF FILE TO BE SUPPLIED BY THE LANDSCAPE ARCHITECT.
 - PRIOR TO FINAL INSPECTION OF THE IRRIGATION SYSTEM, CONTRACTOR SHALL ADD TO THE CONTROLLER CHART FOR THIS SECTION. THE CHART SHALL BE A REDUCED COPY OF THE AS-BUILT DRAWING ON A BLACK LINE PRINT, WITH THE AREA OF THE CONTROLLER STATION COVERAGE IDENTIFIED IN A DIFFERENT COLOR. THE CHART SHALL BE REDUCED TO A SIZE THAT FITS ON THE ENCLOSURE DOOR, HERMETICALLY SEALED BETWEEN 2 PIECES OF 10 MIL. CLEAR PLASTIC AND SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
 - THE CONTRACTOR SHALL OBSERVE CAUTION AROUND THE EXISTING OAK TREES. THE FOLLOWING CRITERIA SHALL BE MET DURING CONSTRUCTION:
 - DURING CONSTRUCTION, NO STORAGE OF MATERIALS, PARKING OF CARS, JOB SHACKS, ETC. SHALL BE PLACED BENEATH THE DRIPLINE OF THE TREES.
 - NO MECHANICAL TRENCHING FOR IRRIGATION SHALL BE DONE WITHIN THE ROOT ZONE AREA OF THE EXISTING OAK TREES. ANY TRENCHING NECESSARY WITHIN THIS AREA SHALL BE DONE BY HAND WITH HAND TOOLS. IF ROOTS LARGER THAN 1" ARE ENCOUNTERED, THEY SHALL BE AVOIDED.
 - FEE FOR ARBORIST IF REQUIRED SHALL BE PER THE OWNER, AND IS NOT INCLUDED IN THIS CONTRACT.
 - REMOVE ALL EXISTING VALVES WHICH ARE NOT BEING USED AND DISPOSE OF OFF SITE OR RETURN TO OWNER.
 - REMOVE OVERHEAD SPRAY HEADS, CUT, AND CAP OFF ALL LATERALS WHICH ARE NOT BEING USED, SUCH THAT THE HEADS DOWNSTREAM ARE NOT EFFECTED BY CAPPING.
- CONTRACTOR SHALL VERIFY EXISTING VALVE LOCATIONS SHOWN ON THIS PLAN IN THE FIELD PRIOR TO INSTALLATION OF NEW VALVES.
- MULCH: RED FIR WALK-ON BARK, 3/4" TO 1-1/2" SIZE, WITH NOT OVER 10% WOOD FIBERS. FREE OF SALT, FOREIGN MATERIALS SUCH AS CLODS, COARSE OBJECTS, STICKS, WEEDS OR WEED SEED, AND OTHER DEBRIS CONSIDERED UNDESIRABLE. THE PH SHALL NOT EXCEED 6.5. SUBMIT SAMPLES TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PURCHASE AND DELIVERY. CONTRACTOR AND SUPPLIER SHALL ENSURE BARK MULCH MEETS LOCAL FIRE DEPARTMENT STANDARDS. VERIFICATION SHALL BE SUBMITTED TO LANDSCAPE ARCHITECT ENSURING BARK MULCH IS NON-FLAMMABLE. ALL EXISTING TREE CANOPY AREAS ARE TO RECEIVE A FOUR-INCH (4") LAYER OF MULCH.
 - TOP DRESS: ALL EXISTING TREE CANOPY AREAS SHALL RECEIVE A FOUR-INCH (4") MULCH OF RED FIR WALK-ON. CROSS HATCHING INDICATES AREA TO BE MULCHED.



PROJECT NAME:

ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:

2506220

APPROVAL STAMP:

PROJECT INFORMATION		
ISSUE DATE:		
PROJECT NO: 959		
REVISIONS		
MARK	DATE	DESCRIPTION
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

IRRIGATION DETAILS
NOTES

SHEET NUMBER:

L2.5

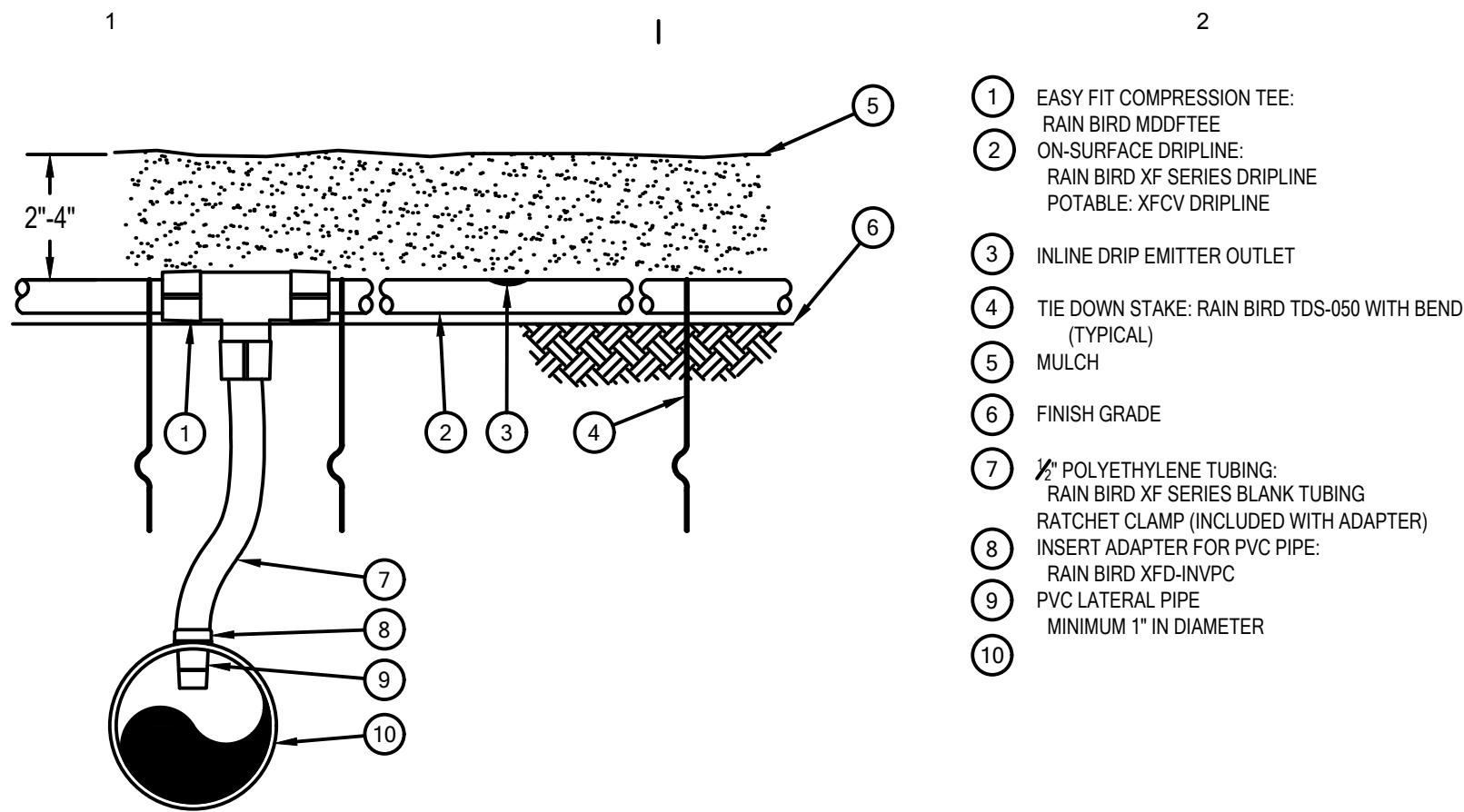
CAROL PERRY BROWN

Landscape Architecture
Irrigation Design



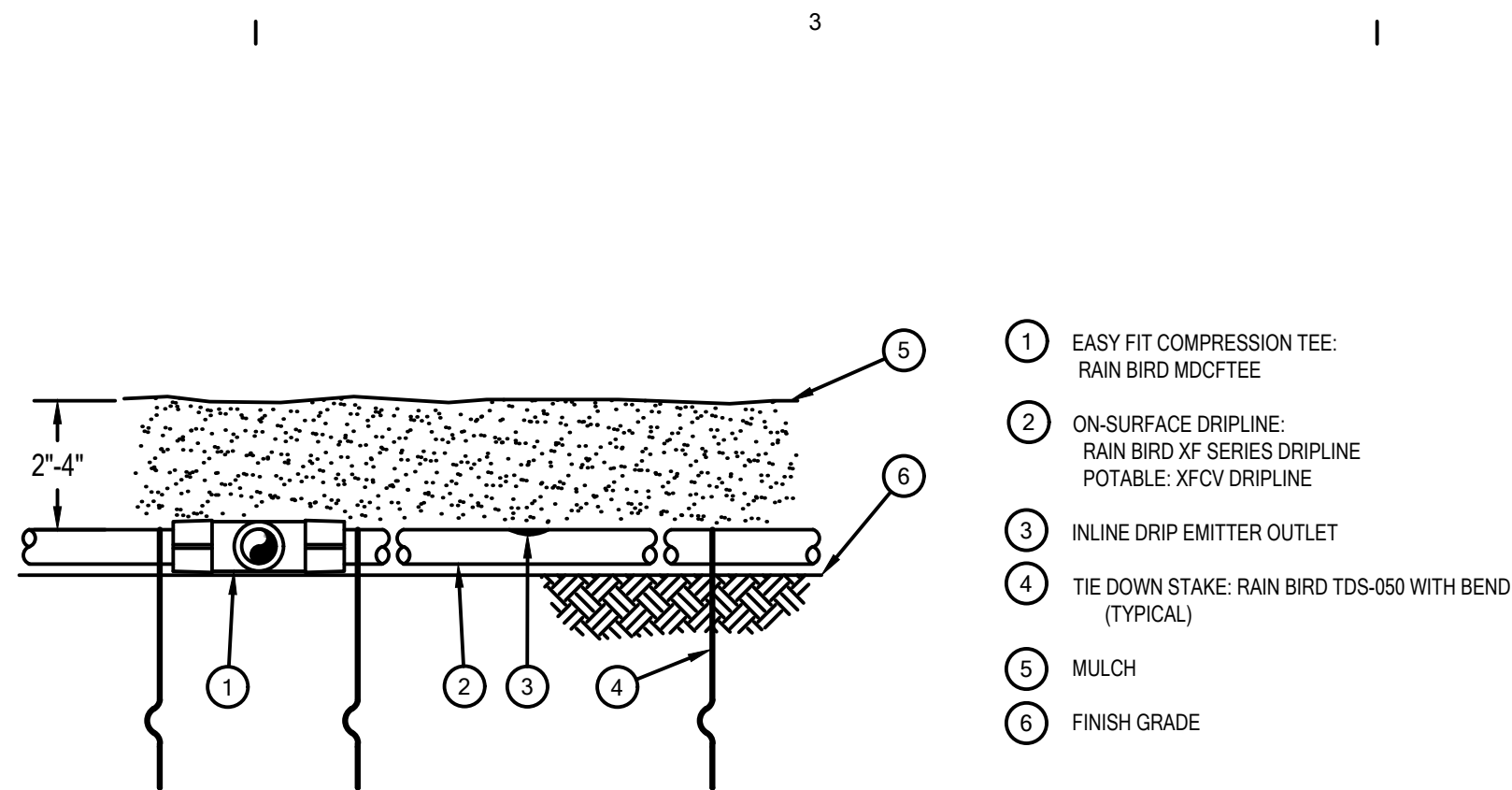
530 823 2621
perrydesign@att.net
RLA 3941 CID 002624

PERRY DESIGN



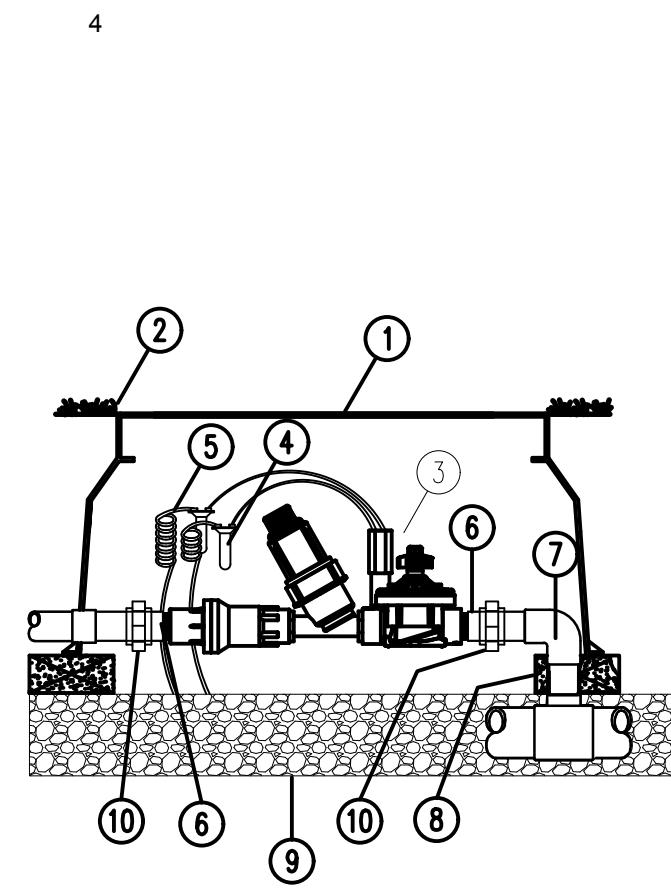
- 1 EASY FIT COMPRESSION TEE: RAIN BIRD MDFTEE
- 2 ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE
- 3 INLINE DRIP EMITTER OUTLET
- 4 TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
- 5 MULCH
- 6 FINISH GRADE
- 7 1/2" POLYETHYLENE TUBING: RAIN BIRD XF SERIES BLANK TUBING
- 8 RATCHET CLAMP (INCLUDED WITH ADAPTER) INSERT ADAPTER FOR PVC PIPE: RAIN BIRD XFD-INVPC
- 9 PVC LATERAL PIPE MINIMUM 1" IN DIAMETER
- 10

NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.



- 1 EASY FIT COMPRESSION TEE: RAIN BIRD MDFTEE
- 2 ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFCV DRIPLINE
- 3 INLINE DRIP EMITTER OUTLET
- 4 TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
- 5 MULCH
- 6 FINISH GRADE

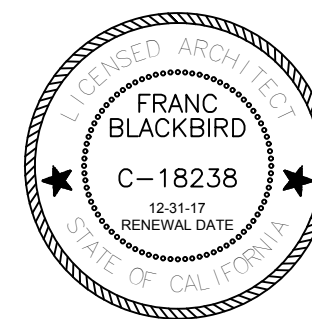
NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.



- 1 JUMBO VALVE BOX
- 2 FINISH GRADE
- 3 DRIP ZONE KIT MODEL ICZ-101-XX WITH FILTER (TIP 45 DEGREES) REGULATOR 25 OR 40 PSI
- 4 WATERPROOF CONNECTORS (2)
- 5 18-24" COILED WIRE
- 6 SCH 80 T.O.E. NIPPLE
- 7 MAIN LINE PIPE & FITTINGS
- 8 BRICK SUPPORTS (4)
- 9 3/4" MINUS WASHED GRAVEL
- 10 PVC SLIP UNIONS (2)

F DRIP CONTROL VALVE ASSEMBLY

NOT TO SCALE



CLAUSEN, INC
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LIC. # 4169 (530) 885-8196
P.O. Box 8095, Auburn, CA 95604
kclausen@kclausenlandscapearchitect.com



PROJECT NAME:

ORCHARD PARK DEMOLITION

UNIVERSITY OF CALIFORNIA DAVIS

255 COUSTEAU PLACE
DAVIS, CA 95618

UCD PROJECT NUMBER:
2506220

APPROVAL STAMP:

PROJECT INFORMATION:
ISSUE DATE:

PROJECT NO: 959

MARK	DATE	DESCRIPTION
	4-7-17	95% CD SUBMITTAL
1	7-13-17	100% CD SUBMITTAL

SHEET NAME:

IRRIGATION DETAILS

SHEET NUMBER:

L2.6

CAROL PERRY BROWN

Landscape Architecture
Irrigation Design

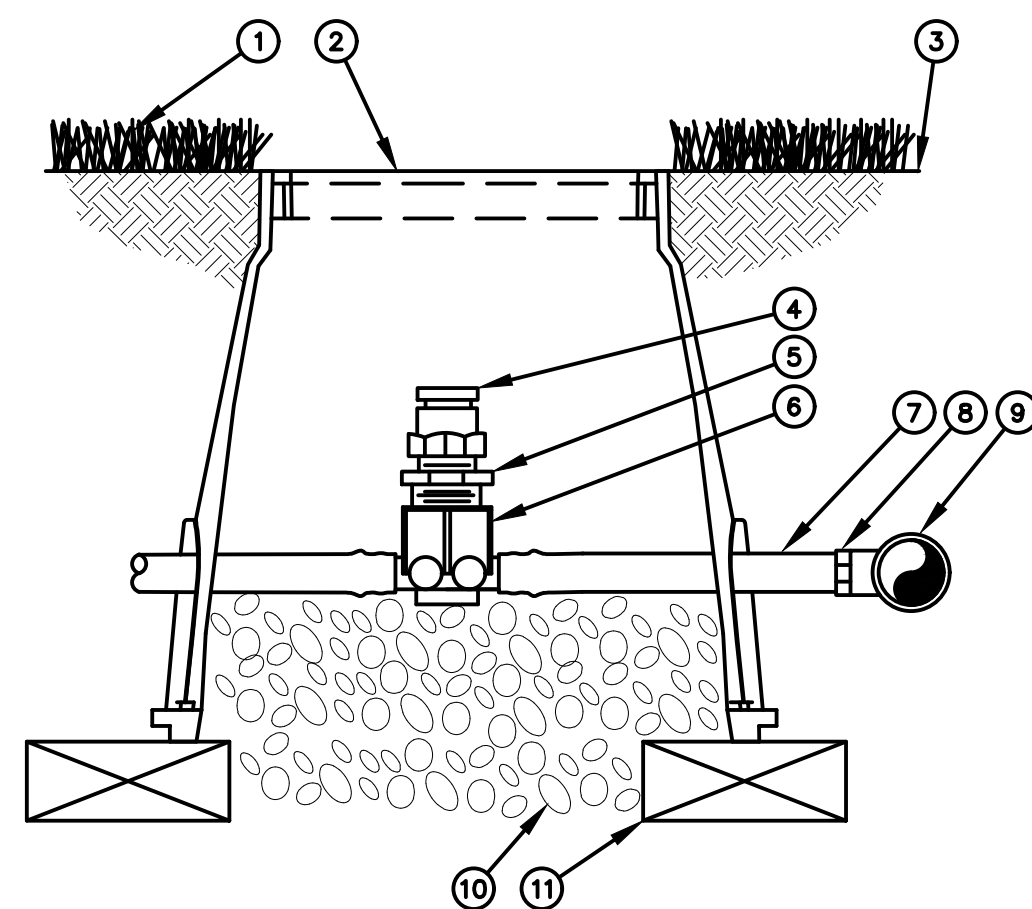


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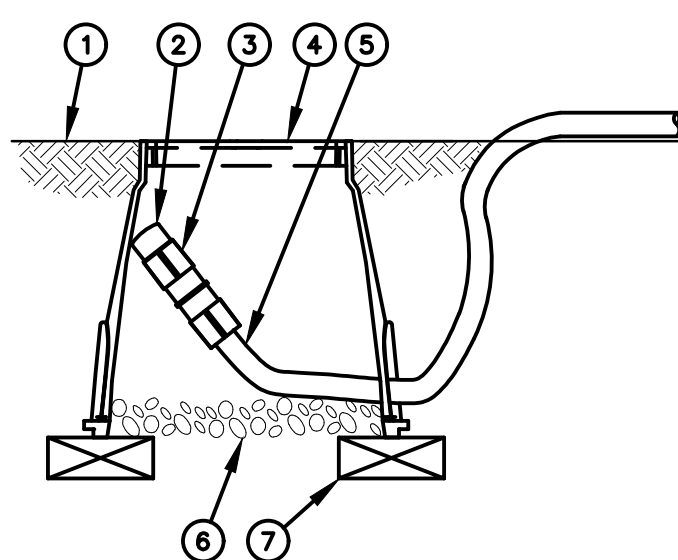
PERRY DESIGN

A XFS ON-SURFACE DRIPLINE CONNECTION

SCALE



- 1 TURF GRASS
- 2 SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
- 3 FINISH GRADE
- 4 1/2" AIR RELIEF VALVE: RAIN BIRD ARV-12 TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE
- 5 1/2" X 3/4" PVC REDUCER BUSHING
- 6 BARB X FEMALE THREAD CONNECTOR: RAIN BIRD XFD-TFA FITTING
- 7 1/2" BLANK DRIPLINE TUBING: RAIN BIRD XF SERIES
- 8 BARB X MALE THREAD CONNECTOR: RAIN BIRD XFD-MA FITTING
- 9 PVC TEE CONNECTED TO PVC HEADER PIPE TO SURFACE.
- 10 3" MINIMUM DEPTH OF 3/4" WASHED GRAVEL
- 11 BRICK (1 OF 2)



- 1 FINISH GRADE
- 2 FLUSH CAP FOR EASY FIT COMPRESSION FITTINGS: POTABLE: RAIN BIRD MDCCAP NON-POTABLE: RAIN BIRD MDCCPCAP
- 3 EASY FIT COUPLING: RAIN BIRD MDCCOUP
- 4 SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
- 5 SUB-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFS DRIPLINE NON-POTABLE: XFS DRIPLINE
- 6 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 7 BRICK (1 OF 2)

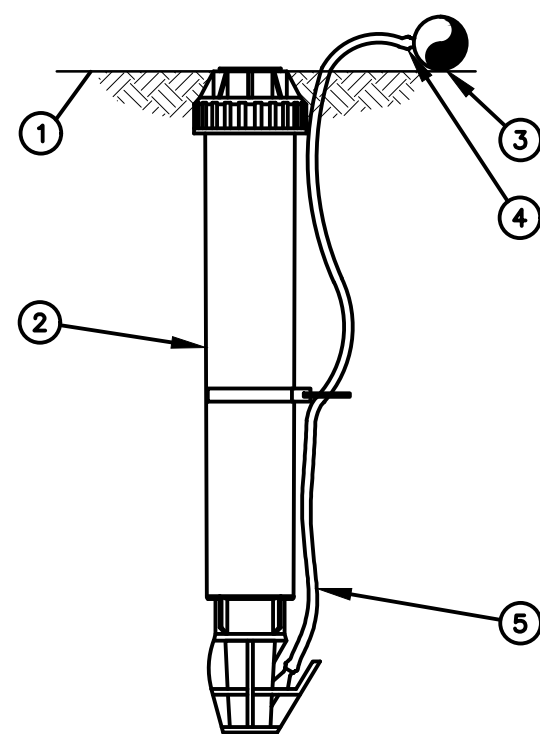
NOTE:
1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

D XFS ON-SURFACE DRIPLINE FLUSH POINT

SCALE

G XFS ON-SURFACE OPERATION INDICATOR

SCALE

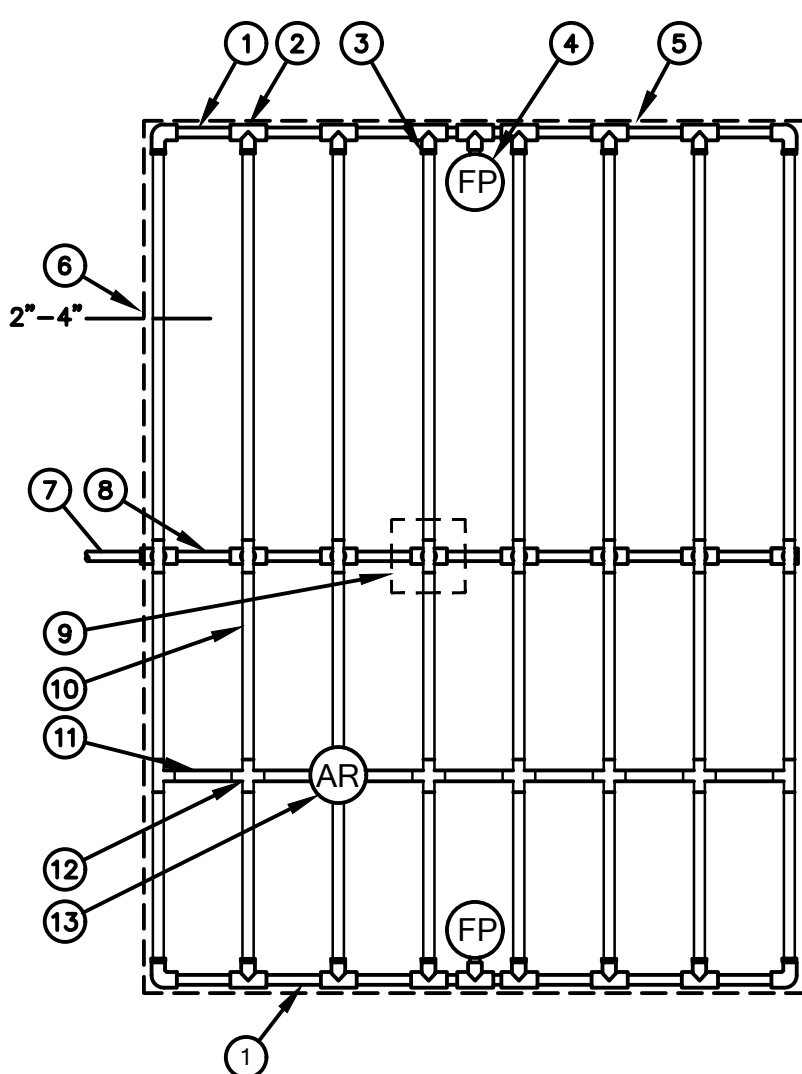


- 1 FINISH GRADE/TURF
- 2 MICRO-SPRAY POP-UP: RAIN BIRD XERI-POP XP-600X WITH 4-VAN NOZZLE
- 3 ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFS DRIPLINE NON-POTABLE: XFS DRIPLINE
- 4 1/2" BARB TRANSFER FITTING: RAIN BIRD XBFCOON
- 5 1/2" DISTRIBUTION TUBING: RAIN BIRD XQ TUBING (LENGTH AS REQUIRED)

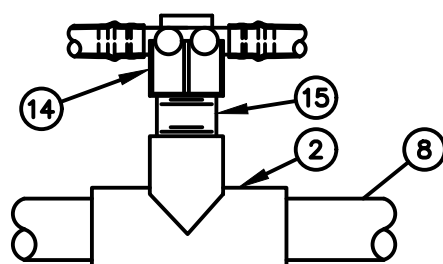
NOTE:
1. USE XERIMAN TOOL XM-TOOL TO INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.

B XFS DRIPLINE AIR RELIEF VALVE

SCALE



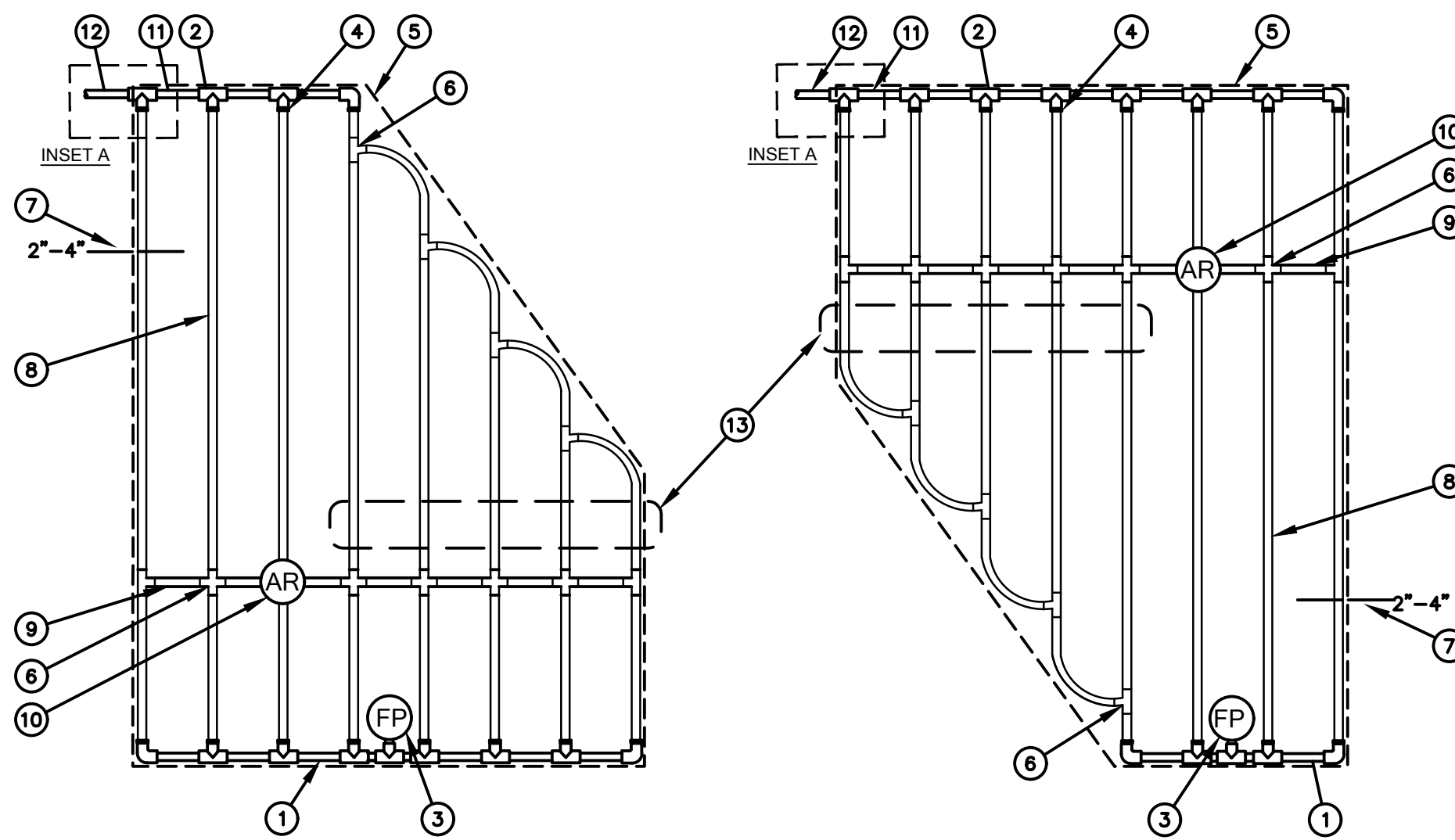
- 1 PVC EXHAUST HEADER
- 2 PVC SCH 40 TEE OR EL (TYPICAL)
- 3 BARB X MALE FITTING: RAIN BIRD XFD-MA FITTING (TYPICAL)
- 4 FLUSH POINT (TYPICAL) SEE RAIN BIRD DETAIL "XFS FLUSH POINT" OR "XFS FLUSH POINT WITH BALL VALVE"
- 5 PERIMETER OF AREA
- 6 PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
- 7 PVC SUPPLY PIPE FROM RAIN BIRD CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- 8 PVC SUPPLY MANIFOLD
- 9 CONNECTION FROM SUPPLY MANIFOLD TO DRIPLINE (TYPICAL)- SEE INSET A
- 10 SUB-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE (TYPICAL) POTABLE: XFS DRIPLINE NON-POTABLE: XFS DRIPLINE
- 11 1/2" POLYETHYLENE BLANK TUBING: RAIN BIRD XF SERIES BLANK TUBING
- 12 BARB X BARB INSERT TEE OR CROSS: RAIN BIRD XFD-TEE OR RAIN BIRD XFD-CROSS (TYPICAL)
- 13 AIR RELIEF VALVE: RAIN BIRD AR VALVE KIT SEE RAIN BIRD DETAIL "XFS AIR RELIEF VALVE KIT" OR "XFS AIR RELIEF VALVE KIT IN PVC HEADER"
- 14 BARB X FEMALE FITTING: RAIN BIRD XFD-TFA-075 FITTING
- 15 3/4" PVC NIPPLE, LENGTH AS NECESSARY



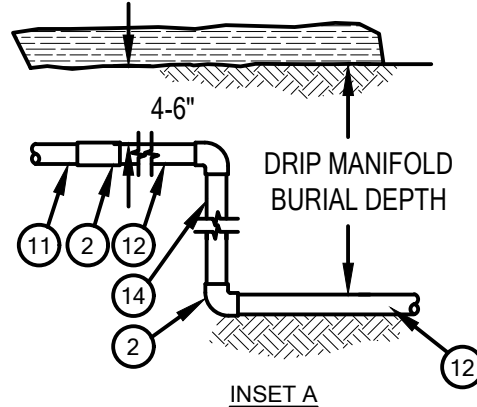
INSET A

- NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE RAIN BIRD XF-SDI DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACINGS.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE.
3. AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA.

Inlet Pressure psi	XFS Dripline Maximum Lateral Lengths (Feet)					
	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)
15	255	194	357	273	448	343
20	291	220	408	313	514	394
30	350	266	494	378	622	478
40	396	302	560	428	705	541
50	434	333	614	470	775	594



- NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE RAIN BIRD XFS DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACINGS.
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INSET A

Inlet Pressure psi	XFS Dripline Maximum Lateral Lengths (Feet)					
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C XFS SUB-SURFACE DRIPLINE CENTER FEED LAYOUT

N.T.S.

E XFS SUB-SURFACE DRIPLINE IRREGULAR SHAPED LAYOUT

N.T.S.