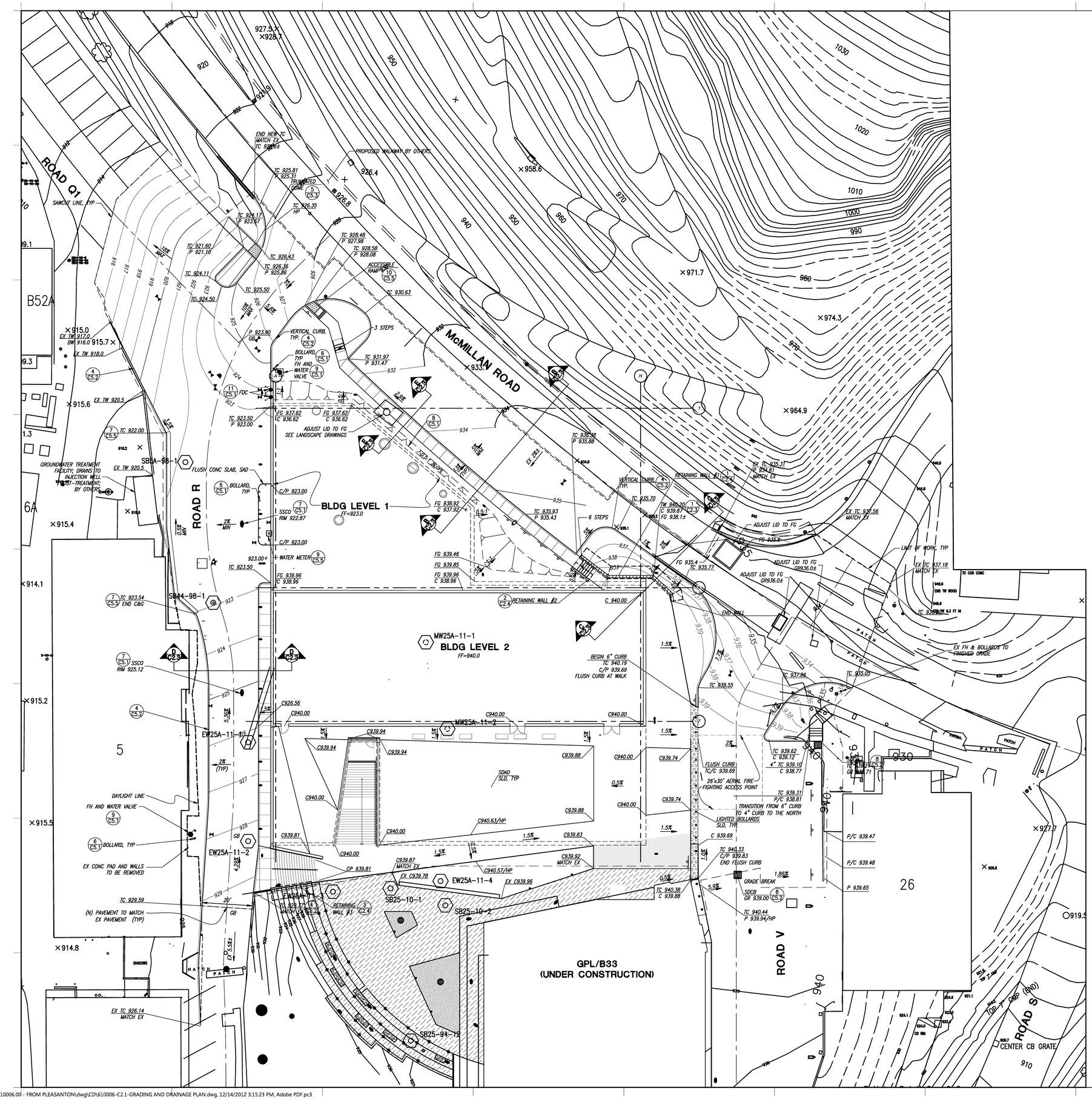
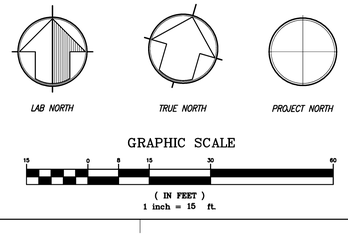


NOTES

1. SEE C3.1 FOR PROPOSED UTILITY RIMS AND INVERTS
2. RAISE ALL EXISTING CATCH BASINS, MANHOLES, VALVE BOXES LOCATED IN McMILLAN ROAD TO MATCH NEW GRADES SHOWN ON DRAWING



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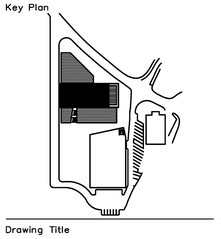
Seals and Signatures

Key Plan



Drawing Title

GRADING AND DRAINAGE PLAN

1"=15'

Scale

UC BERKELEY PROJ. NO. 12501A

Project Number

C2.1

Drawing Number

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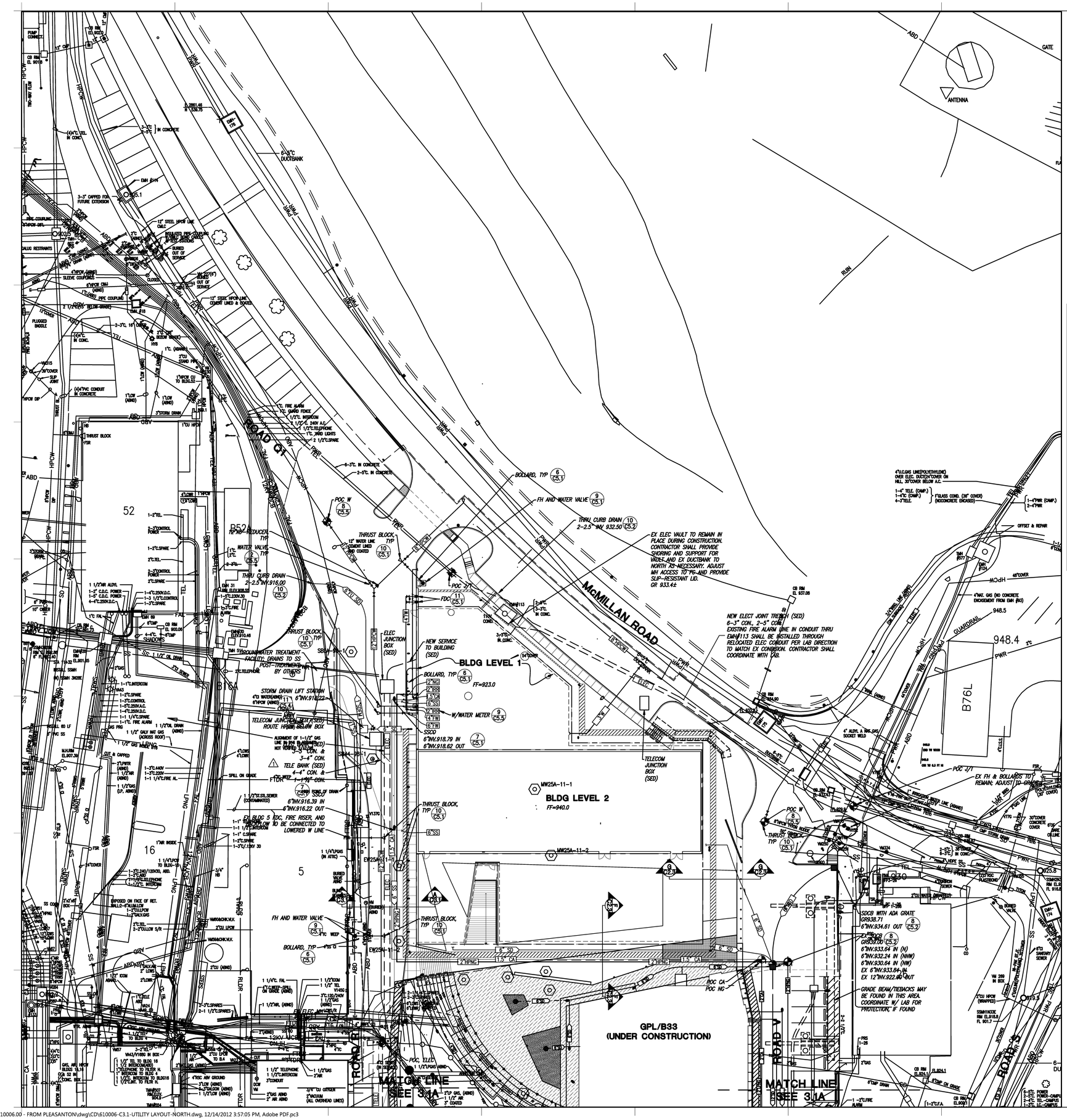
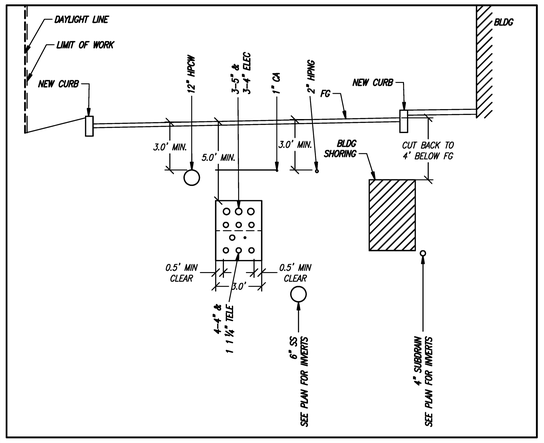


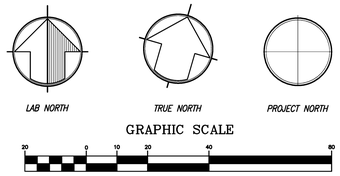
NOTES

1. NOT USED.
2. THE CMLC AND SELC PIPE OF THE HPCW SYSTEM HAS AN IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. CONTRACTOR SHALL COORDINATE WITH LBNL TO REQUEST SHUT-DOWN OF CATHODIC PROTECTION SYSTEM DURING TIE-IN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE SYSTEM RE-ESTABLISHED AFTER THE NEW PIPE IS INSTALLED. SEE SPECIFICATION SECTION 331100 FOR MORE INFORMATION AND LBNL STANDARD CATHODIC PROTECTION DETAILS INCLUDED IN THESE DRAWINGS. SEE DETAILS 1 SHEET C5.2, 9,10,11 SHEET C5.3, 2,3,4,6,10 SHEET C5.4.
3. CONTRACTOR SHALL POTHOLE EXISTING UTILITY LINES TO DETERMINE LOCATION AND CONFIRM PIPE MATERIAL.
4. APPROXIMATELY 290 LF OF TELECOM DUCT BANK FROM THE FIRST MANHOLE SOUTH OF BLDG 33 TO THE LAST MANHOLE IN ROAD R, NORTHWEST OF BLDG 33, INCLUSIVE OF THE STUB TO SERC, AND APPROXIMATELY 20 LF OF ELECTRICAL TRENCH FROM THE NORTHERN-MOST MANHOLE IN ROAD R, WEST OF BLDG 33 NORTH TO THE STUB AND CAP TO SERC IS INCLUDED WITH THIS PLAN SET. THE CONTRACTOR FOR SERC SHALL COORDINATE CONSTRUCTION OF THIS WORK WITH THE CONTRACTOR FOR GPL IN A WAY THAT BEST ACCOMPLISHES ITS COMPLETION.
5. SEE ELECTRICAL, PLUMBING & FIRE SAFETY DRAWINGS FOR UTILITY CONNECTIONS TO BUILDING.
6. NG & CA LINES SHALL HAVE ISOLATION VALVES AT ALL CONNECTION POINTS PER LBNL STANDARDS. FOR ALL VALVE BOXES, SEE DETAIL 2, C5.5.



SECTION A-A

SCALE: 1"=4'



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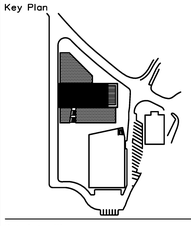

Drawing Title

UTILITY LAYOUT-NORTH

1"=20'

Scale

UC BERKELEY PROJ. NO. 12501A

Project Number

C3.1

Drawing Number

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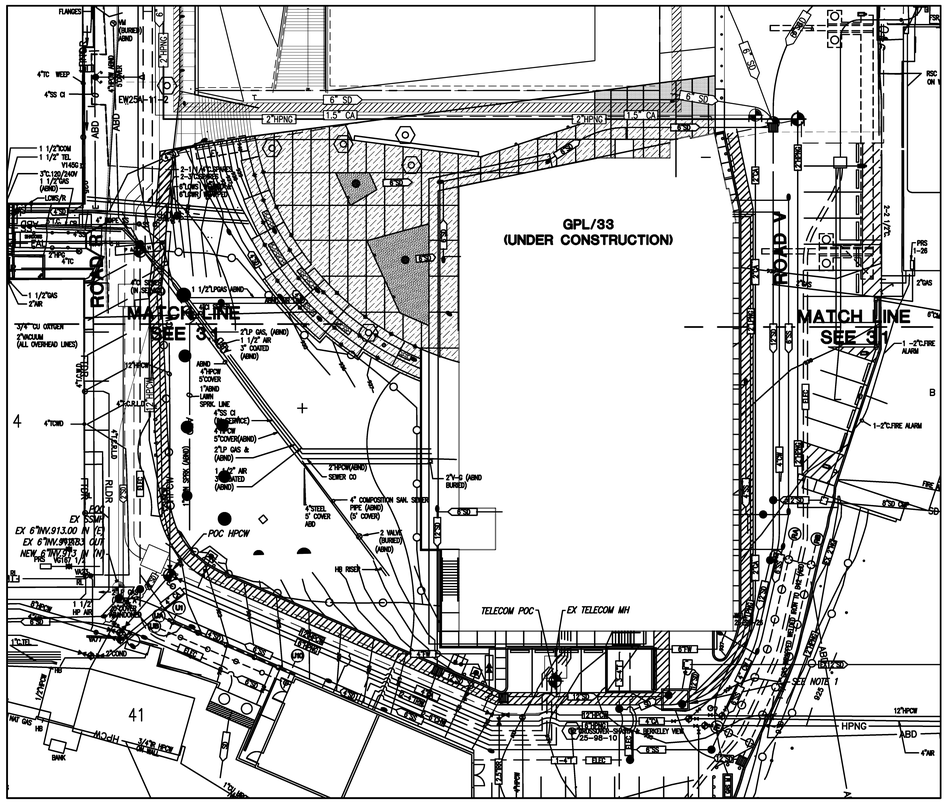
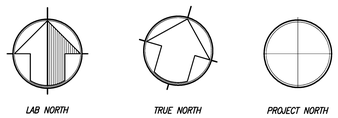
NOTES

1. SEE DETAIL 7/C5.2 FOR STORM DRAIN TREATMENT INFORMATION.
2. THE CMLC AND SELC PIPE OF THE HPCW SYSTEM HAS AN IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. CONTRACTOR SHALL COORDINATE WITH LBNL TO REQUEST SHUT-DOWN OF CATHODIC PROTECTION SYSTEM DURING TIE-IN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE SYSTEM RE-ESTABLISHED AFTER THE NEW PIPE IS INSTALLED. SEE SPECIFICATION SECTION 331100 FOR MORE INFORMATION AND LBNL STANDARD CATHODIC PROTECTION DETAILS INCLUDED IN THESE DRAWINGS. SEE DETAILS 1 SHEET C5.2, 9,10,11 SHEET C5.3, 2,3,4,6,10 SHEET C5.4.
3. CONTRACTOR SHALL POTHOLE EXISTING UTILITY LINES TO DETERMINE LOCATION AND CONFIRM PIPE MATERIAL.
4. APPROXIMATELY 290 LF OF TELECOM DUCT BANK FROM THE FIRST MANHOLE SOUTH OF BLDG 33 TO THE LAST MANHOLE IN ROAD R, NORTHWEST OF BLDG 33, INCLUSIVE OF THE STUB TO SERC, AND APPROXIMATELY 20 LF OF ELECTRICAL TRENCH FROM THE NORTHERN-MOST MANHOLE IN ROAD R, WEST OF BLDG 33 NORTH TO THE STUB AND CAP TO SERC IS INCLUDED WITH THIS PLAN SET. THE CONTRACTOR FOR SERC SHALL COORDINATE CONSTRUCTION OF THIS WORK W/ THE CONTRACTOR FOR GPL IN A WAY THAT BEST ACCOMPLISHES ITS COMPLETION.





GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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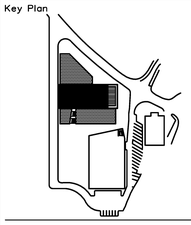

Drawing Title

UTILITY LAYOUT–SOUTH

1"=20'

Scale

UC BERKELEY PROJ. NO. 12501A

Project Number

C3.1A

Drawing Number

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