

NO.	DATE	REVISION

PROJECT DIRECTOR
PROJECT MANAGER
PROJECT ARCHITECT
PROJECT TEAM MEMBERS
PA, CM, JK
CHECK
CIVIL ENGINEER SEAL

EXISTING UTILITIES ARE SHOWN SCHEMATICALLY AND ARE BASED ON THE
ACCURACY OF EXISTING DRAWINGS PROVIDED BY THE OWNER. CONTRACTOR
TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN
OR NOT SHOWN ON THESE DRAWINGS PRIOR TO THE START OF CONSTRUCTION.
REPORT ANY DISCREPANCIES TO THE ENGINEER.

CONTRACTOR TO MAINTAIN ALL UTILITY SERVICES TO THE EXISTING BUILDINGS.
CONSTRUCT THURSTBLOCKS AT ALL HORIZONTAL AND VERTICAL CHANGES IN
DIRECTION OF WATER LINES.

JUL 17 2014
Approval of this plan does not authorize or approve any
omission or deviation from applicable regulations. Final
approval is subject to field inspection. One set of approved
plans shall be available at all times for review by all cities.
Reviewed by: *Tom & Lisa Salazar*

FOR PERMIT ONLY
THIS DOCUMENT HAS BEEN PREPARED
FOR PERMIT APPLICATION AND IS SUBJECT
TO REVIEW AND MODIFICATION BY
GOVERNMENTAL AGENCIES

TITLE
UTILITY RE-ROUTE PLAN

DATE
07-16-14

PACKAGE 1 - DEMOLITION
AND SITE UTILITIES

SHEET NUMBER
C-105

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STORM DRAIN CONSTRUCTION NOTES

1. PROVIDE AND INSTALL 8-INCH PVC (SDR 35) DRAINAGE PIPE. SEE DETAIL 3, SHEET C-104 FOR PIPE BEDDING.
2. PROVIDE AND INSTALL 10-INCH PVC (SDR 35) DRAINAGE PIPE. SEE DETAIL 3, SHEET C-104 FOR PIPE BEDDING.
3. PROVIDE AND INSTALL PVC STORM DRAIN CLEANOUT. SEE DETAIL 4, SHEET C-104.
4. PROVIDE AND INSTALL 45° WYE (SIZE PER MAIN LINES).
5. PROVIDE AND INSTALL BEND FITTING (SIZE AND ANGLE PER PLAN).
6. CONSTRUCT POC MANHOLE STRUCTURE SEE DETAILS 1 AND 2, SHEET C-104.
7. CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO FIELD VERIFY INVERT ELEVATION.

WATER CONSTRUCTION NOTES

10. CONSTRUCT 4-INCH ANMA C-900 PVC, CLASS 200 WATER LINE. PIPE BEDDING PER UCI STANDARD DWG. NO. W-11. SEE DETAIL 6, SHEET C-104.
11. CONSTRUCT 6-INCH ANMA C-900 PVC, CLASS 200, PURPLE COLOR WATER LINE. PIPE BEDDING PER UCI STANDARD DWG. NO. W-11. SEE DETAIL 6, SHEET C-104.
12. CONSTRUCT 6-INCH ANMA C-900 PVC, CLASS 200 WATER LINE. PIPE BEDDING PER UCI STANDARD DWG. NO. W-11. SEE DETAIL 6, SHEET C-104.
13. CONSTRUCT 8-INCH ANMA C-900 PVC, CLASS 200 WATER LINE. PIPE BEDDING PER UCI STANDARD DWG. NO. W-11. SEE DETAIL 6, SHEET C-104.
14. INSTALL 4-INCH-90° DUCTILE IRON (CLASS 52 MIN. THICKNESS) ELBOW.
15. INSTALL 6-INCH-90° DUCTILE IRON (CLASS 52 MIN. THICKNESS) ELBOW.
16. INSTALL 8-INCH-90° DUCTILE IRON (CLASS 52 MIN. THICKNESS) ELBOW.
17. INSTALL 8-INCH-45° DUCTILE IRON (CLASS 52 MIN. THICKNESS) ELBOW.
18. INSTALL 4-INCH-11.25° DUCTILE IRON (CLASS 52 MIN. THICKNESS) ELBOW.
19. INSTALL 8-INCH-11.25° DUCTILE IRON (CLASS 52 MIN. THICKNESS) ELBOW.
20. INSTALL DUCTILE IRON (CLASS 52 MIN. THICKNESS) TEE (SIZE PER PLAN).
21. INSTALL 4-INCH GATE VALVE PER UCI STANDARD DWG. NO. W-7. SEE DETAIL 5, SHEET C-104.
22. INSTALL 6-INCH GATE VALVE PER UCI STANDARD DWG. NO. W-7. SEE DETAIL 5, SHEET C-104.
23. INSTALL 8-INCH GATE VALVE PER UCI STANDARD DWG. NO. W-7. SEE DETAIL 5, SHEET C-104.
24. CONSTRUCT CONCRETE THRUST BLOCK PER UCI STANDARD DWG. NO. W-12. SEE DETAIL 7, SHEET C-104. (CONTRACTOR MAY USE MECHANICAL JOINT FITTING WITH STAINLESS STEEL HARDWARE IN LIEU OF THRUST BLOCK).
25. CAP WATERLINE FOR FUTURE CONNECTION.
26. CONSTRUCT FIRE HYDRANT ASSEMBLY PER UCI STANDARD DWG. NO. W-6. SEE DETAIL 8, SHEET C-104.
27. CONSTRUCT 2-INCH COPPER (TYPE K) DOMESTIC WATER SERVICE PER UCI STANDARD DWG. NO. W-9.
28. INSTALL 2-INCH FIBCO (MODEL 625Y) BACKFLOW PREVENTER.
29. INSTALL 6-INCH-45° DUCTILE IRON (CLASS 52 MIN. THICKNESS) ELBOW.
30. PROVIDE AND INSTALL 8-INCH WATER METER (EQUIVALENT TO EXISTING).
31. PROVIDE AND INSTALL TEMPORARY 6-INCH FIRE SERVICE LATERAL AND FIRE HYDRANT ASSEMBLY.

SEWER CONSTRUCTION NOTES

40. CONNECT TO EXISTING SEWER MAIN PER UCI STANDARD DWG. NO. S-6. SEE DETAIL 9, SHEET C-104.
41. CONSTRUCT 4-INCH (SDR-35) SEWER LATERAL. PIPE BEDDING PER UCI STANDARD DWG. NO. S-5. SEE DETAIL 3, SHEET C-104.
42. PROVIDE AND INSTALL PVC SEWER CLEANOUT PER UCI STANDARD DWG. NO. S-9. SEE DETAIL 4, SHEET C-104.
43. PROVIDE AND INSTALL PIPE BEND FITTING (SIZE AND ANGLE PER PLAN).

GENERAL NOTES

1. EXISTING UTILITIES ARE SHOWN SCHEMATICALLY AND ARE BASED ON THE ACCURACY OF EXISTING DRAWINGS PROVIDED BY THE OWNER. CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN OR NOT SHOWN ON THESE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER.
2. CONTRACTOR TO MAINTAIN ALL UTILITY SERVICES TO THE EXISTING BUILDINGS.
3. CONSTRUCT THURSTBLOCKS AT ALL HORIZONTAL AND VERTICAL CHANGES IN DIRECTION OF WATER LINES.

* 10" & BAGI ALL HYDRANTS REMOVED FROM SERVICE *

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY

JUL 17 2014
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omission or deviation from applicable regulations. Final
approval is subject to field inspection. One set of approved
plans shall be available at all times for review by all cities.
Reviewed by: *Tom & Lisa Salazar*

REGISTERED PROFESSIONAL ENGINEER
JAMES H. KAWANAKA
No. 70656
Expires: 6/30/16
CIVIL
STATE OF CALIFORNIA

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THIS DOCUMENT HAS BEEN PREPARED
FOR PERMIT APPLICATION AND IS SUBJECT
TO REVIEW AND MODIFICATION BY
GOVERNMENTAL AGENCIES

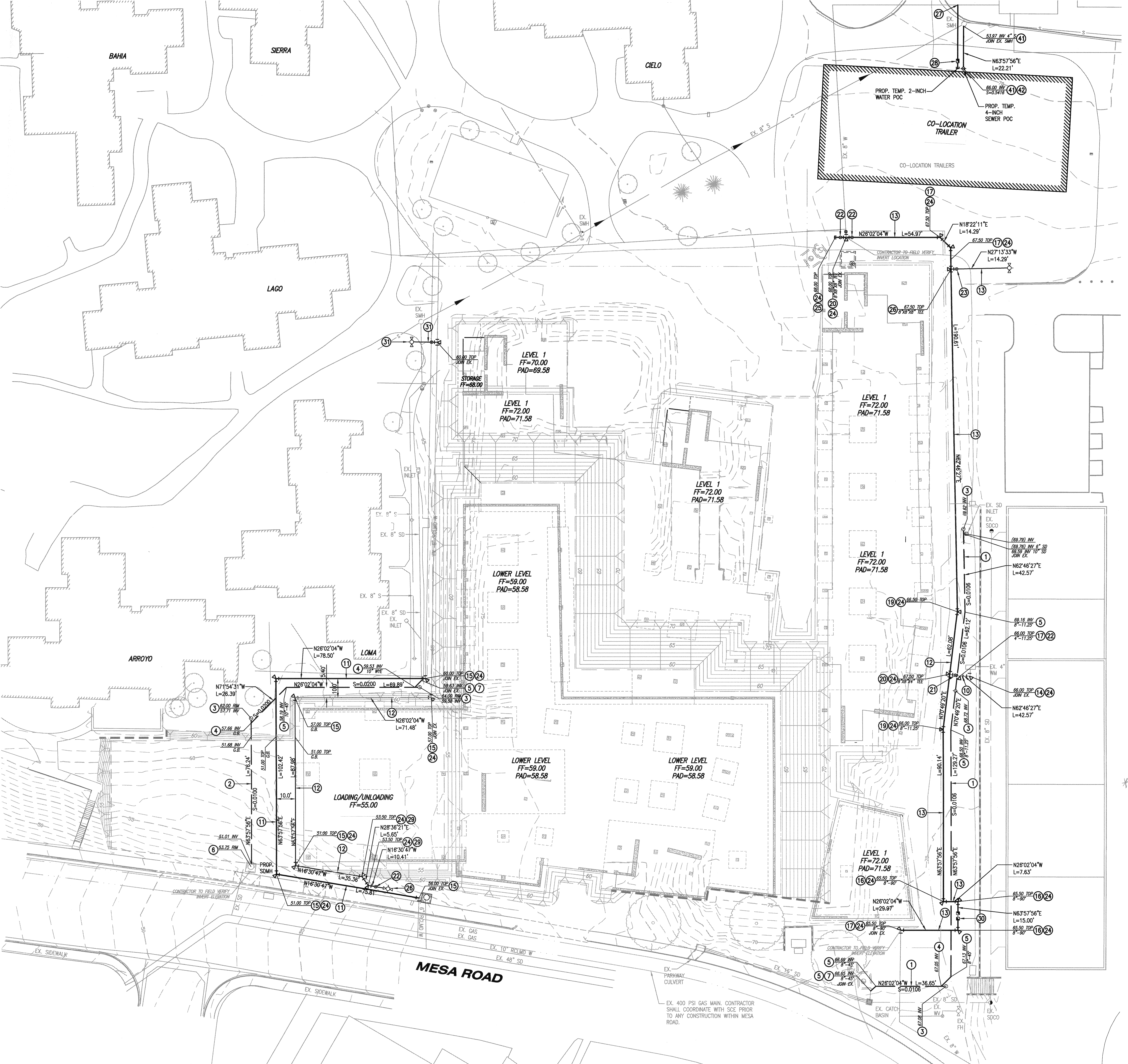
TITLE
UTILITY RE-ROUTE PLAN

DATE
07-16-14

PACKAGE 1 - DEMOLITION
AND SITE UTILITIES

SHEET NUMBER
C-105

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PROJECT

LOCATION

REPAIRED FOR

UCI
University of California, Irvine

Design & Construction
Services
5201 California Ave Suite 250
Irvine, CA 92697

PROJECT NO.
96296

REVIEWED FOR CONFORMANCE

(Per General Conditions, Article 3, Section 3.11.1)

Review does not authorize or grant any waiver, deviation, or omission from the Contract Documents. Final approval is subject to field inspections. Any subsequent revisions to these documents shall be submitted for review.

 / Jul. 17, 14
 Quality Assurance Date
 UC Irvine Design & Construction Services

[illegible]

PROJECT DIRECTOR

PROJECT MANAGER

PROJECT ARCHITECT

PROJECT TEAM MEMBERS

25

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY

JUL 17 2014

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____
Fire & Life Safety Division

**FOR PERMIT
ONLY**

THIS DOCUMENT HAS BEEN PREPARED
FOR PERMIT APPLICATION AND IS SUBJECT
TO REVIEW AND MODIFICATION BY
GOVERNMENTAL AGENCIES

LC

DOMESTIC WATER AND FIRE SERVICE PLAN

7.46.14

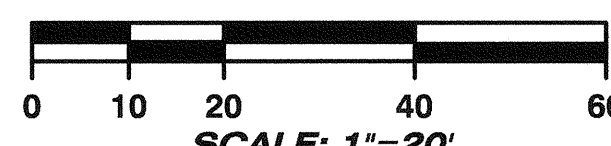
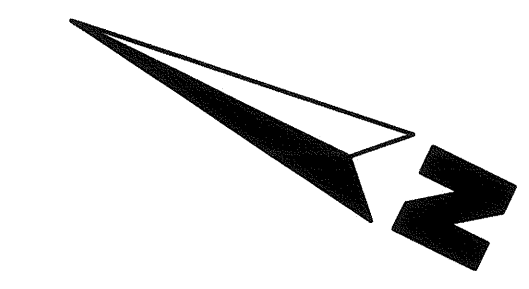
PACKAGE 1 - DEMOLITION AND SITE UTILITIES

010

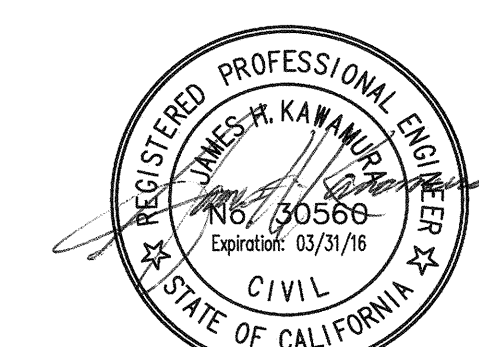
C-108

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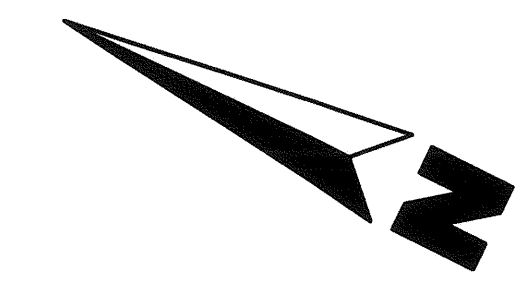


NO.	DATE	REVISION



SEWER CONSTRUCTION NOTES

- ④ CONNECT TO EXISTING SEWER MAIN PER UCI STANDARD DWG. NO. S-6. SEE DETAIL 9, SHEET C-104.
- ④ CONSTRUCT 4-INCH (SDR-35) SEWER LATERAL PIPE BEDDING PER UCI STANDARD DWG. NO. S-5. SEE DETAIL 3, SHEET C-104.
- ④ PROVIDE AND INSTALL PVC SEWER CLEANOUT AT POINT OF CONNECTION TO BUILDING PER UCI STANDARD DWG. NO. S-9. SEE DETAIL 9, SHEET C-104.
- ④ CONSTRUCT 6-INCH (SDR-35) SEWER LATERAL PIPE BEDDING PER UCI STANDARD DWG. NO. S-5. SEE DETAIL 3, SHEET C-104.
- ④ CONSTRUCT 8-INCH (SDR-35) SEWER MAIN PIPE BEDDING PER UCI STANDARD DWG. NO. S-5. SEE DETAIL 3, SHEET C-104.
- ④ PROVIDE AND INSTALL PIPE BEND FITTING (SIZE AND ANGLE PER PLAN).
- ④ CONSTRUCT SEWER MANHOLE PER UCI STANDARD DWG. NO. 33-S-1.



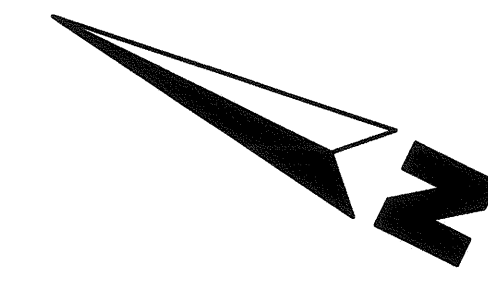


LEGEND

LIMITS OF DEMOLITION

DEMOLITION NOTES:

- DEMOLISH, REMOVE AND DISPOSE OF EXISTING BUILDING, SLABS, COLUMNS, CANOPIES, FOOTINGS, CONCRETE WALKS, STAIRS, LIGHTING, FIXTURES, RECEPTACLES, JUNCTION BOXES, AND ALL ASSOCIATED CONDUIT AND WIRING. REMOVE ALL EXISTING CONDUIT AND WIRING CONNECTED TO ELECTRICAL OPERATED EQUIPMENT AND DEVICES. REMOVE ALL EXISTING UNDERGROUND PLUMBING, CONDUITS, GAS METERS, AND ALL OVERHEAD WIRING CONNECTED TO EXISTING BUILDING.
- REMOVE AND DISPOSE OF EXISTING CONCRETE CURB.
- REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT.
- REMOVE AND DISPOSE OF EXISTING CONCRETE GUTTER.
- REMOVE AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT.
- REMOVE AND DISPOSE OF EXISTING CONCRETE STAIRS.
- REMOVE AND DISPOSE OF EXISTING WALL.
- REMOVE ALL EXISTING LANDSCAPING AND IRRIGATION SYSTEM. ENSURE THAT THE REMOVAL OF THE IRRIGATION SYSTEM DOES NOT EFFECT OTHER EXISTING IRRIGATION SYSTEMS THAT NEED TO STAY OPERATIONAL.
- REMOVE AND DISPOSE OF EXISTING STORM DRAIN INLET.
- REMOVE AND DISPOSE OF EXISTING SEWER CLEANOUT.
- REMOVE AND DISPOSE OF EXISTING EXISTING FIRE HYDRANT & CAP EXISTING WATER LINE BELOW GRADE.
- REMOVE AND DISPOSE OF EXISTING FIRE DEPARTMENT CONNECTION.
- REMOVE AND SALVAGE EXISTING WATER METER ASSEMBLY.
- REMOVE/RELOCATE/SALVAGE EXISTING STREET LIGHT AND ASSOCIATED ELECTRICAL LINES. SEE ELECTRICAL DEMOLITION PLANS FOR FURTHER DETAILS.
- REMOVE AND DISPOSE OF EXISTING GAS METERS.
- PROTECT IN PLACE EXISTING RETAINING WALL.
- PROTECT IN PLACE EXISTING TREE.
- PROTECT IN PLACE EXISTING WATER SERVICE TO ART PERFORMANCE STUDIO BUILDING.
- PROTECT IN PLACE EXISTING FIRE HYDRANT.
- PROTECT IN PLACE EXISTING ASPHALT CONCRETE PAVEMENT.
- PROTECT IN PLACE EXISTING ELECTRICAL SFG SWITCH. ALL BUILDING ASSOCIATED WIRING AND CONDUITS TO BE REMOVED. COORDINATE WITH UTILITY COMPANY PRIOR TO DEMOLITION.
- PROTECT IN PLACE EXISTING CONCRETE STAIRS.
- PROTECT IN PLACE EXISTING IRRIGATION SYSTEM.
- REMOVE AND DISPOSE OF EXISTING GREASE TRAP INTERCEPTOR.
- PROTECT IN PLACE EXISTING STORM DRAIN INLET.
- PROTECT IN PLACE EXISTING ELECTRICAL MANHOLE AND VAULT.
- PROTECT IN PLACE EXISTING COMMUNICATIONS MANHOLE AND VAULT.
- PROTECT IN PLACE EXISTING SEWER MANHOLE.
- PROTECT IN PLACE EXISTING TELEPHONE VAULT.
- PROTECT IN PLACE EXISTING STREET LIGHT.
- PROTECT IN PLACE EXISTING CONCRETE ENTRY DECK.
- PROTECT IN PLACE EXISTING CONCRETE SIDEWALK.
- REMOVE AND DISPOSE OF EXISTING WATER VAULT AND MANHOLE. CONTRACTOR TO COORDINATE POTENTIAL SERVICE DISRUPTIONS AND NECESSARY RE-ROUTING OF ANY WATER LINES PRIOR TO REMOVAL.



0 10 20 40 60
SCALE: 1"=20'

