

Infrastructure Incremental Plan  
July 14, 2010

**A. Phase 1 (\$13,500,000.00)**

Earthwork, roadways, sidewalks, curb & gutters, gravity sewer lines, force mains, sewer lift station, water distribution lines, overhead electrical lines, infiltration basin, drain pipes, catch basins, drainage inlets, headwalls and the 5th Street extension

**B. Phase 2-A (\$9,920,000.00)**

Earthwork, roadways, sidewalks, gravity sewer lines, lift station upgrade, water distribution lines, overhead electrical lines, drain pipes, drainage inlets, and the 9th Street extension

**C. Phase 2-B (\$2,900,000.00)**

Earthwork, roadways, sidewalks, gravity sewer lines, lift station upgrade, water distribution lines, overhead electrical lines, drain pipes and drainage inlets

**D. Phase 2-C (\$4,580,000.00)**

Earthwork, roadways, sidewalks, gravity sewer lines, lift station upgrade, water distribution lines, overhead electrical lines, drain pipes and drainage inlets

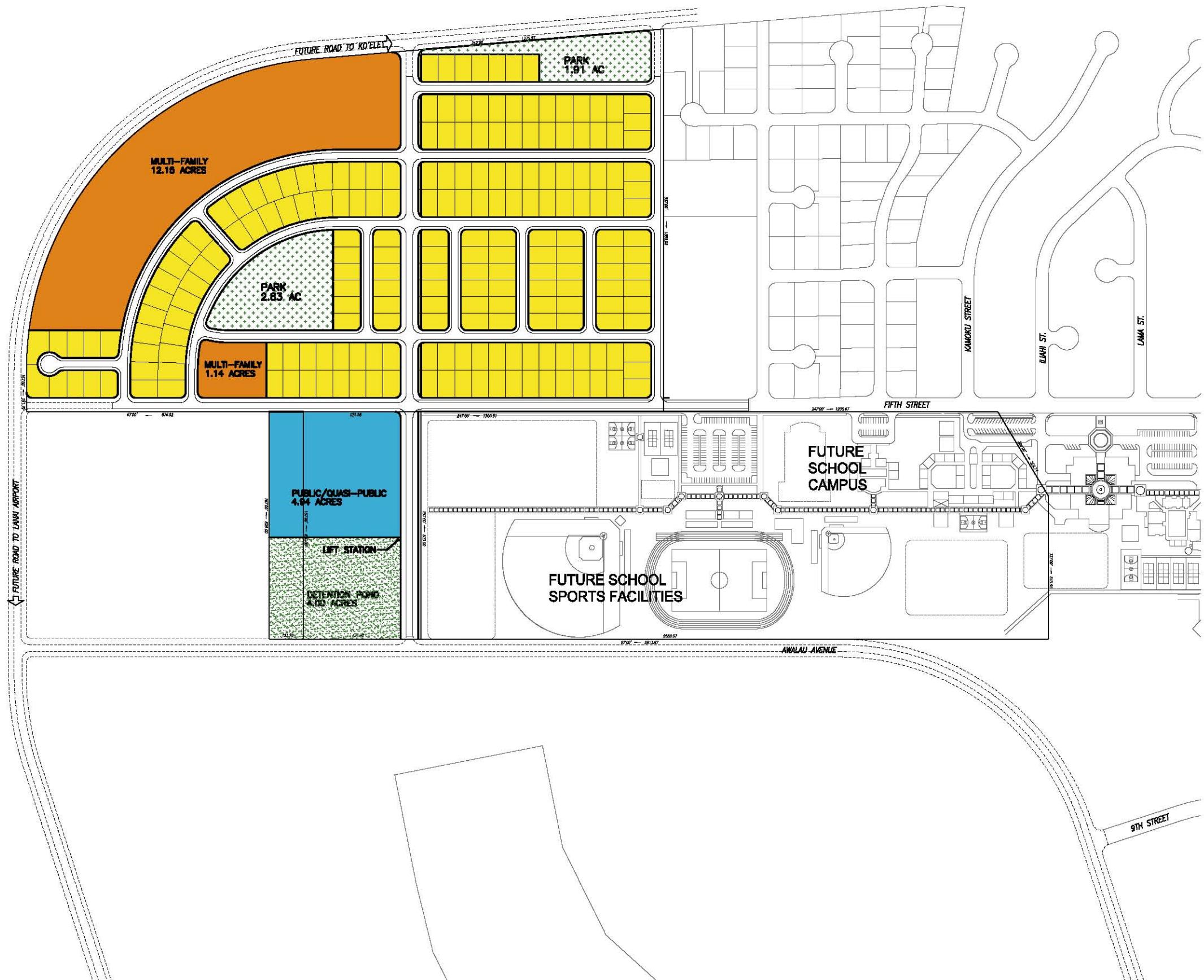
**E. Phase 2-D (\$1,660,000.00)**

Earthwork, roadways, sidewalks, gravity sewer lines, lift station upgrade, water distribution lines, overhead electrical lines, drain pipes and drainage inlets

**EXHIBIT "6"**

**Land Use Incremental Plan**  
**July 14, 2010**

- A. Phase 1
  - Single Family - 41 units
  - Multi-Family – 12 units (1.14 acres)
  - Quasi-Public Site – 4.94 acres
  - Park – 2.83 acres
  - Detention Basin – 4.0 acres
- B. Phase 2-A
  - Single Family – 56 units
- C. Phase 2-B
  - Single Family – 29 units
  - Multi-Family – 72 units (6.04 acres)
- D. Phase 2-C
  - Single family – 61 units
  - Park – 1.91 acres
- E. Phase 2-D
  - Single Family – 21 units
  - Multi-Family – 72 units (6.11 acres)



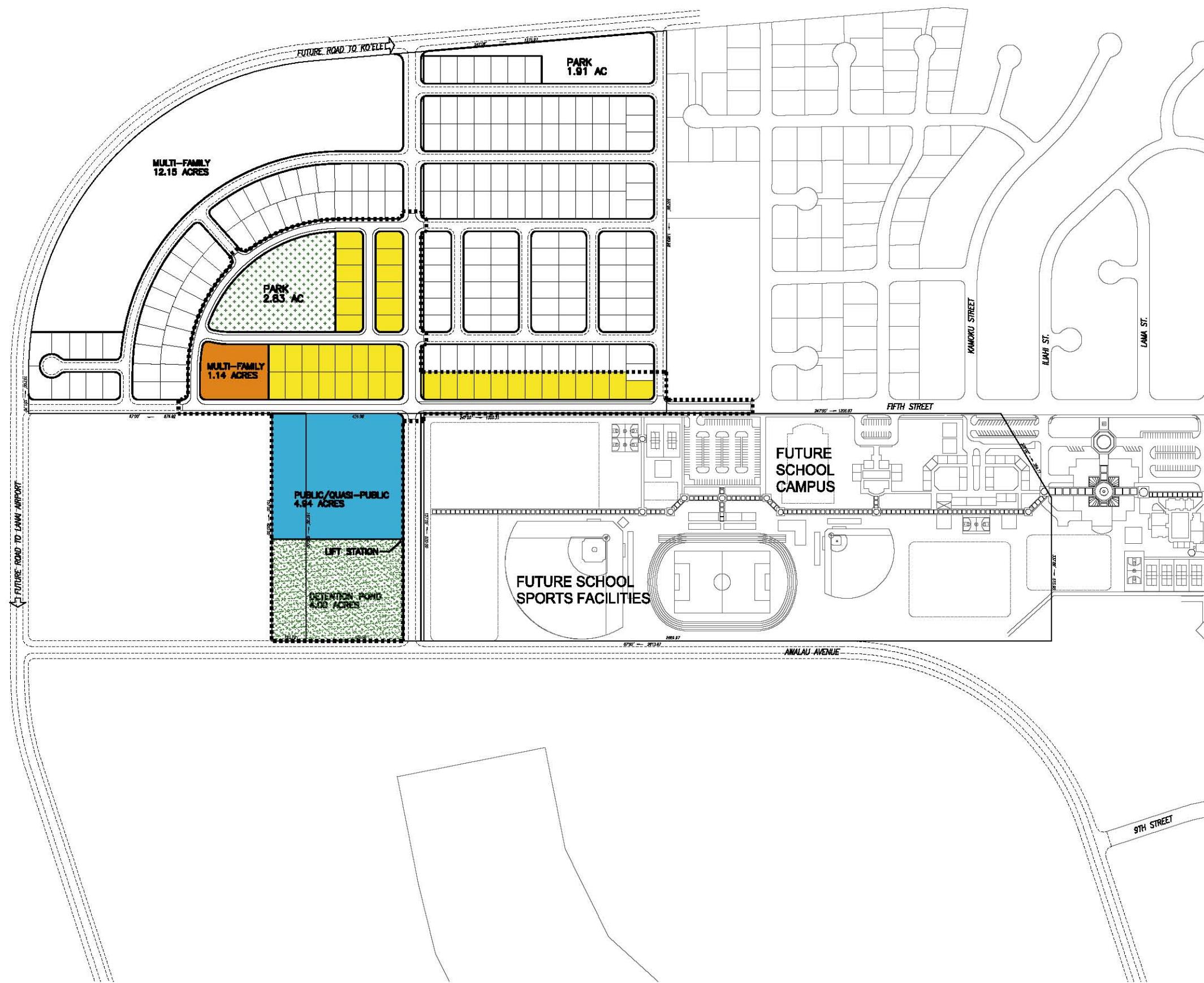
## **MASTER SITE PLAN**

SINGLE FAMILY (6000 sf min)	208 UNITS
MULTI-FAMILY (84 UNITS)	13.29 ACRES
QUASI-PUBLIC	4.94 ACRES
PARK REQUIRED	3.23 ACRES
PARK PROVIDED	4.74 ACRES
DETENTION POND	4.00 ACRES

AN AFFORDABLE HOUSING PROJECT

**Pacific Architects, Inc.**  
2020 South King Street  
Honolulu, Hawaii 96826  
808.949.1601  
fax 808.942.0054





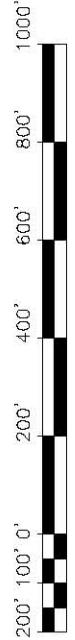
- MULTI-FAMILY
- SINGLE FAMILY
- PUBLIC/QUASI-PUBLIC
- PARK
- DETENTION POND

## PHASE I

SINGLE FAMILY (6000 sf min)  
 MULTI-FAMILY (12 UNITS)  
 QUASI-PUBLIC  
 PARK PROVIDED  
 DETENTION POND

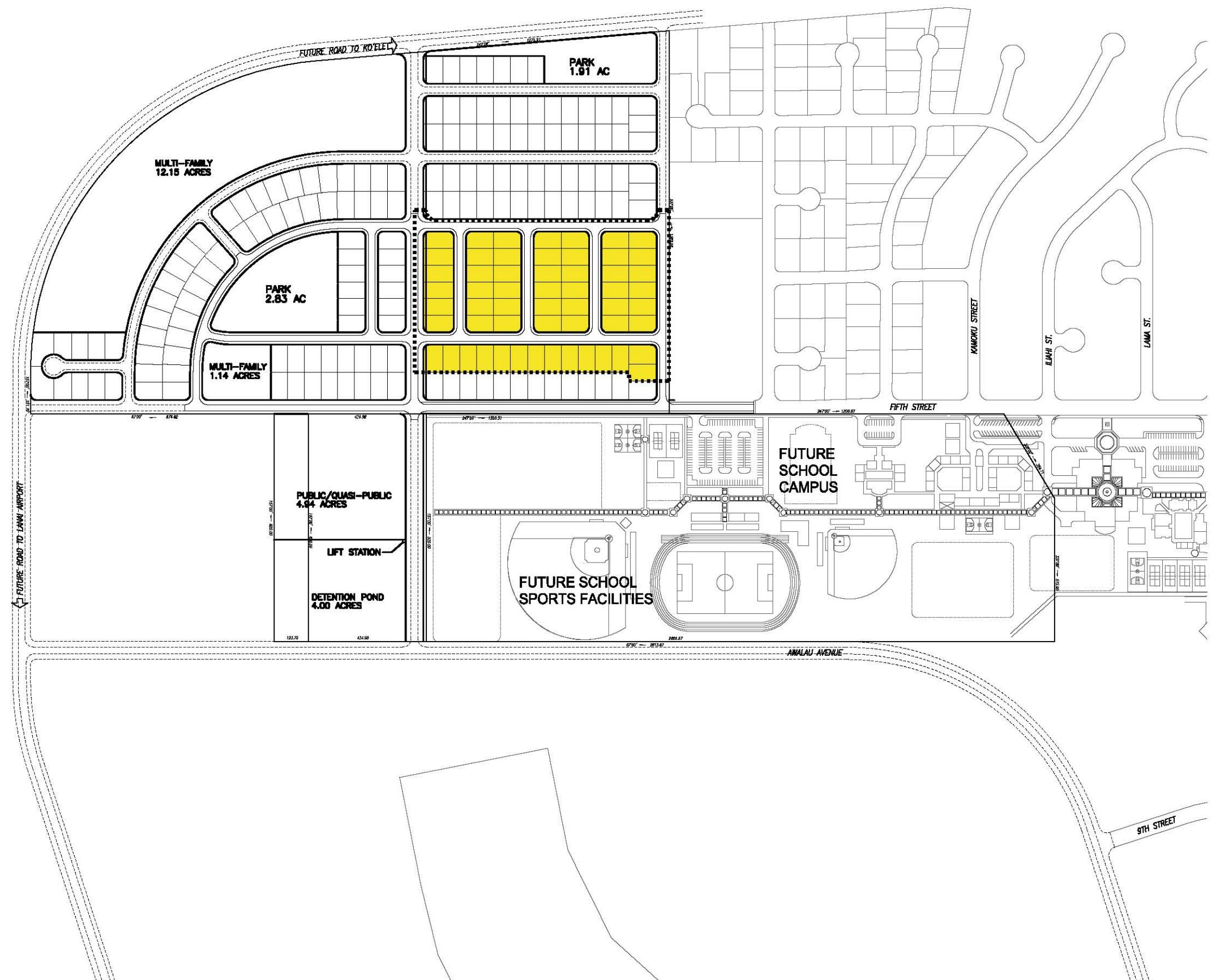
41 UNITS  
 1.14 ACRES  
 4.94 ACRES  
 2.83 ACRES  
 4.00 ACRES

LANAI AFFORDABLE HOUSING PROJECT  
 ZONING SITE PLAN - PHASE I



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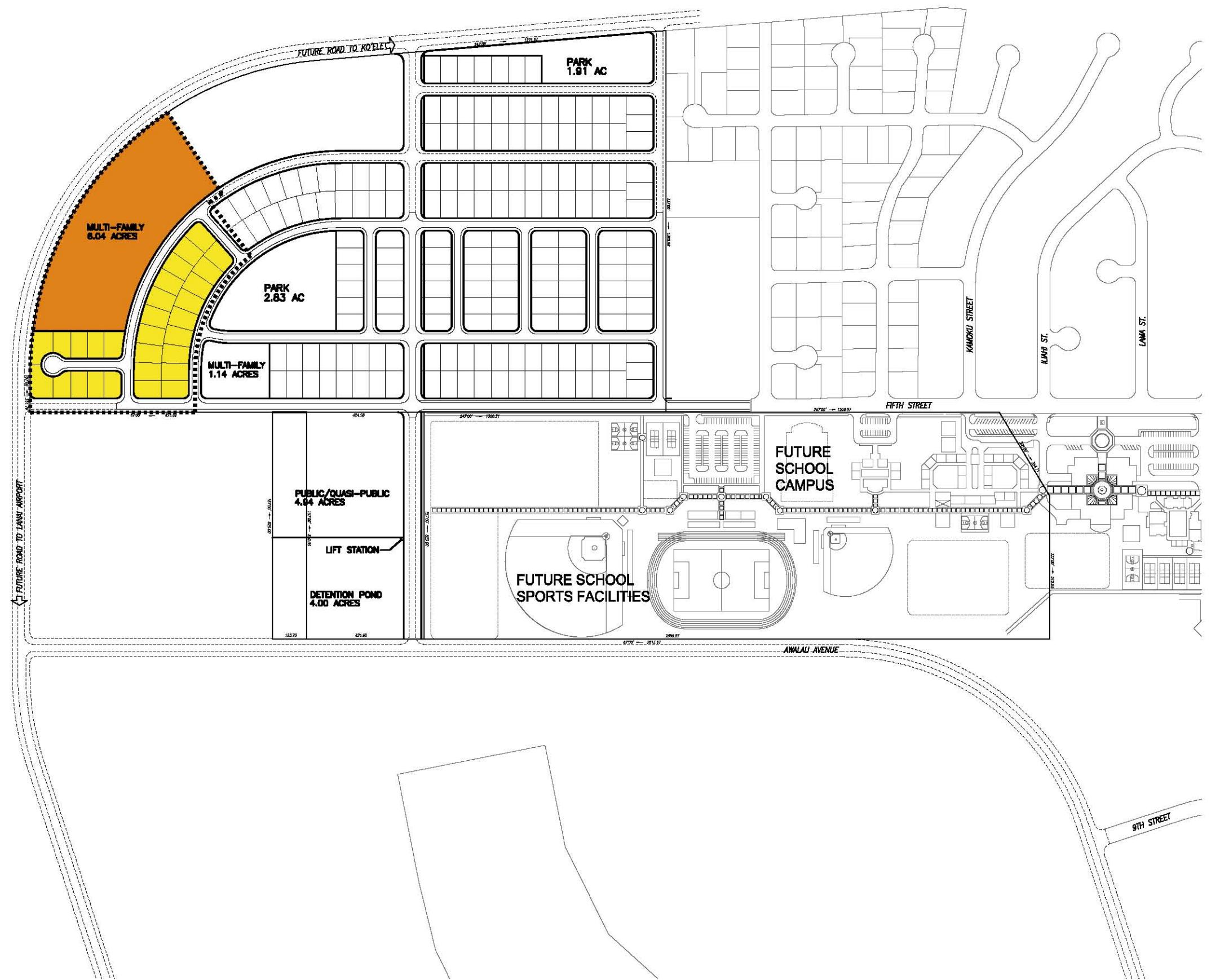


LANAI AFFORDABLE HOUSING PROJECT

ZONING SITE PLAN - PHASE II-A

05-12-10

1000'  
800'  
600'  
400'  
200'  
200' 100' 0'



█ MULTI-FAMILY  
█ SINGLE FAMILY

## PHASE II-B

SINGLE FAMILY (6000 sf min) 29 UNITS  
MULTI-FAMILY (72 UNITS) 6.04 ACRES



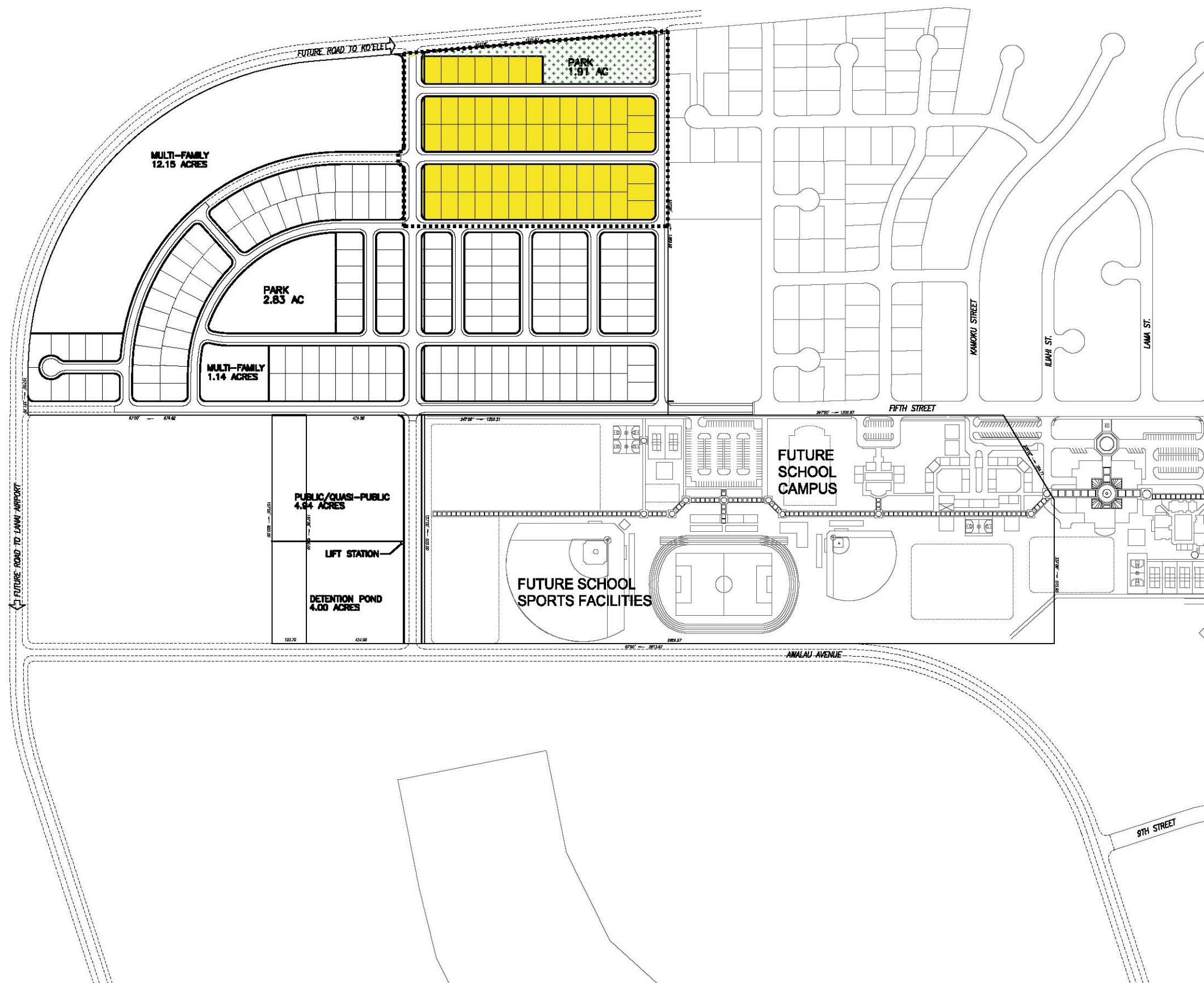
LANAI AFFORDABLE HOUSING PROJECT

ZONING SITE PLAN - PHASE II-B

Pacific Architects, Inc.  
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1000'  
800'  
600'  
400'  
200'  
200' 100' 0'



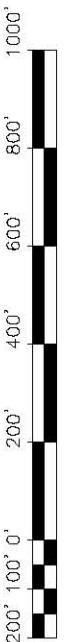
SINGLE FAMILY

PARK

## PHASE II-C

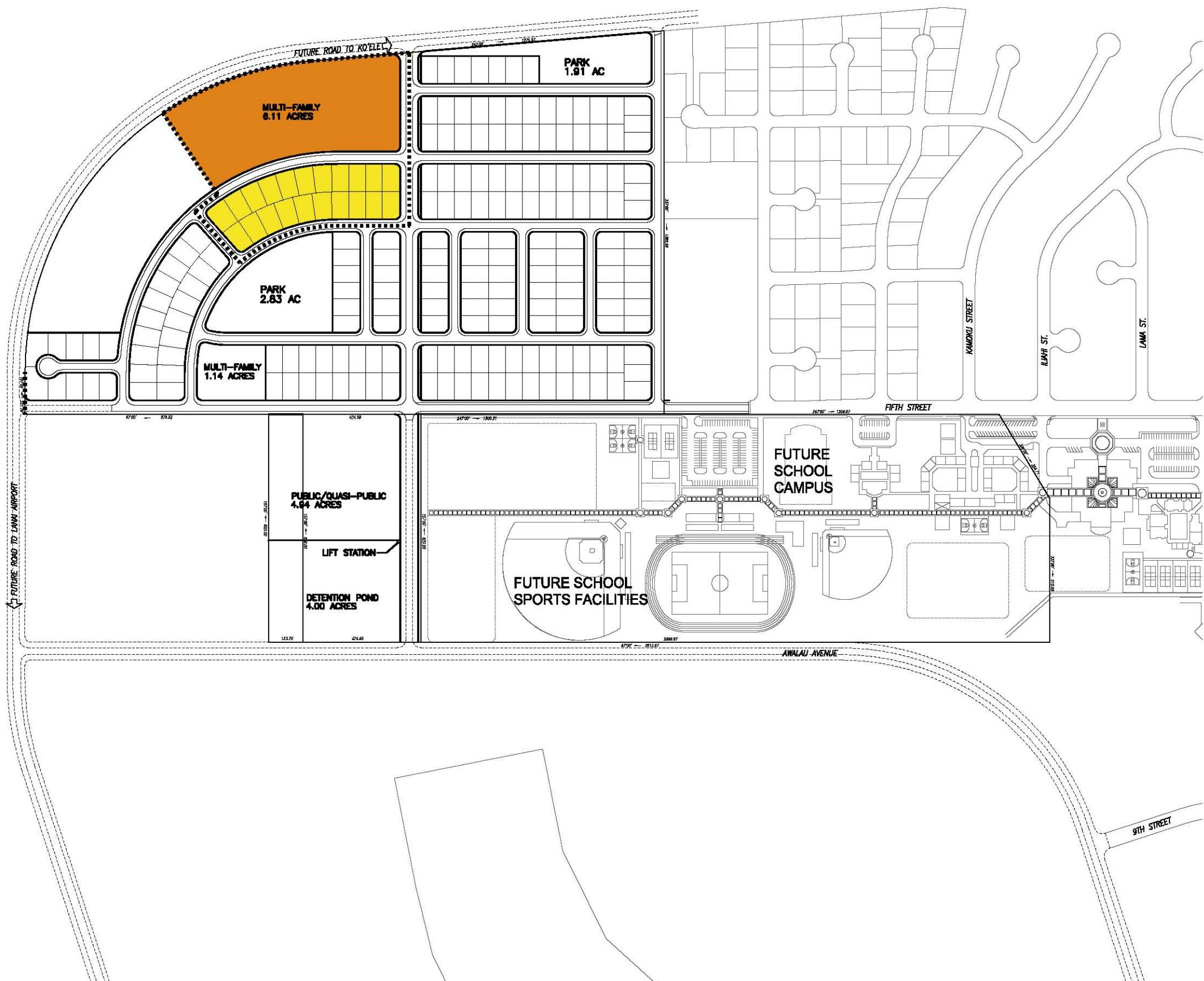
SINGLE FAMILY (6000 sf min)      61 UNITS  
 PARK PROVIDED      1.91 ACRES

LANAI AFFORDABLE HOUSING PROJECT  
 ZONING SITE PLAN - PHASE II-C



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MULTI-FAMILY  
 SINGLE FAMILY

## PHASE II-D

SINGLE FAMILY (6000 sf min) 21 UNITS  
MULTI-FAMILY (72 UNITS) 6.11 ACRES

## LANA'I AFFORDABLE HOUSING INFRASTRUCTURE IMPROVEMENTS

PHASE 1 - 41 SF Units, 1.14 Acres MF, 4.94 Acres Quasi-Public, 2.83 Acres Park	
1	Earthwork
2	Clearing and Grubbing
3	Excavation and Embankment
4	Pavement Construction
5	A.C. Roadways
6	Concrete Sidewalks (Both sides along 5th Street fronting the school, one side elsewhere)
7	Concrete Curb & Gutters (Both sides along 5th Street fronting the school)
8	Sewer System
9	Gravity Sewer Lines
10	Sewer Manholes
11	Sewer Laterals
12	Sewer Lift Station
13	Force Mains
14	Relocate Existing Force Main (Reuse water for Koele)
15	Water System
16	Water Distribution Lines and Appurtenances
17	Water Laterals and Meters
18	Fire Hydrants
19	Drainage System
20	Drainage Culverts
21	Drainage Inlets
22	Catch Basins
23	Drain Manholes
24	CRM Headwalls
25	Detention Basin
26	Electrical System
27	Overhead Electrical
28	5th Street Extension
29	Earthwork
30	Clearing and Grubbing
31	Excavation and Embankment
32	Pavement Construction
33	A.C. Roadways
34	Concrete Sidewalks
35	Concrete Curb & Gutters
36	Sewer System
37	Gravity Sewer Lines
38	Sewer Manholes
39	Water System
40	Water Distribution Lines and Appurtenances
41	Fire Hydrants
42	Drainage System
43	Drainage Culverts
44	Catch Basins
45	Drain Manholes
46	Electrical System
47	Overhead Electrical

## LANA'I AFFORDABLE HOUSING INFRASTRUCTURE IMPROVEMENTS

PHASE 2a - 56 SF Units	
1	Earthwork
2	Clearing and Grubbing
3	Excavation and Embankment
4	Pavement Construction
5	A.C. Roadways
6	Concrete Sidewalks
7	Sewer System
8	Gravity Sewer Lines
9	Sewer Manholes
10	Sewer Laterals
11	Sewer Lift Station Upgrade
12	Water System
13	Water Distribution Lines and Appurtenances
14	Water Laterals and Meters
15	Fire Hydrants
16	Drainage System
17	Drainage Culverts
18	Drainage Inlets
19	Drain Manholes
20	CRM Headwalls
21	Electrical System
22	Overhead Electrical
23	9th Street Extension/Awalau Avenue
24	Earthwork
25	Clearing and Grubbing
26	Excavation and Embankment
27	Pavement Construction
28	A.C. Roadways
29	Concrete Sidewalks
30	Water System
31	Water Main and Appurtenances
32	Fire Hydrants
33	Drainage System
34	Drainage Culverts
35	Catch Basins
36	Drain Manholes
37	CRM Headwalls

## LANA'I AFFORDABLE HOUSING INFRASTRUCTURE IMPROVEMENTS

<b>PHASE 2b - 29 SF Units, 6.04 Acres MF</b>	
1	Earthwork
2	Clearing and Grubbing
3	Excavation and Embankment
4	Pavement Construction
5	A.C. Roadways
6	Concrete Sidewalks
7	Sewer System
8	Gravity Sewer Lines
9	Sewer Manholes
10	Sewer Laterals
11	Sewer Lift Station Upgrade
12	Water System
13	Water Distribution Lines and Appurtenances
14	Water Laterals and Meters
15	Fire Hydrants
16	Drainage System
17	Drainage Culverts
18	Drainage Inlets
19	Drain Manholes
20	Electrical System
21	Overhead Electrical

<b>PHASE 2c - 61 SF Units, 1.91 Acres Park</b>	
1	Earthwork
2	Clearing and Grubbing
3	Excavation and Embankment
4	Pavement Construction
5	A.C. Roadways
6	Concrete Sidewalks
7	Sewer System
8	Gravity Sewer Lines
9	Sewer Manholes
10	Sewer Laterals
11	Sewer Lift Station Upgrade
12	Water System
13	Water Distribution Lines and Appurtenances
14	Water Laterals and Meters
15	Fire Hydrants
16	Drainage System
17	Drainage Culverts
18	Drainage Inlets
19	Drain Manholes
20	Electrical System
21	Overhead Electrical

## LANA'I AFFORDABLE HOUSING INFRASTRUCTURE IMPROVEMENTS

PHASE 2d - 21 SF Units, 6.11 Acres MF	
1	Earthwork
2	Clearing and Grubbing
3	Excavation and Embankment
4	Pavement Construction
5	A.C. Roadways
6	Concrete Sidewalks
7	Sewer System
8	Gravity Sewer Lines
9	Sewer Manholes
10	Sewer Laterals
11	Sewer Lift Station Upgrade
12	Water System
13	Water Distribution Lines and Appurtenances
14	Water Laterals and Meters
15	Fire Hydrants
16	Drainage System
17	Drainage Culverts
18	Drainage Inlets
19	Drain Manholes
20	Electrical System
21	Overhead Electrical

SCALE: 1" = 400'

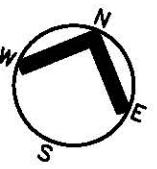
200' 0 200' 400' 600' 800' 1000'

**LANA'I AFFORDABLE HOUSING PROJECT**

**PHASE 1 - OVERALL SITE PLAN**

DATE 10/12/10  
SHT. 1-1

**SEE SHEET 1-2**



**SEE SHEET 1-3**

PARK  
2.83 AC

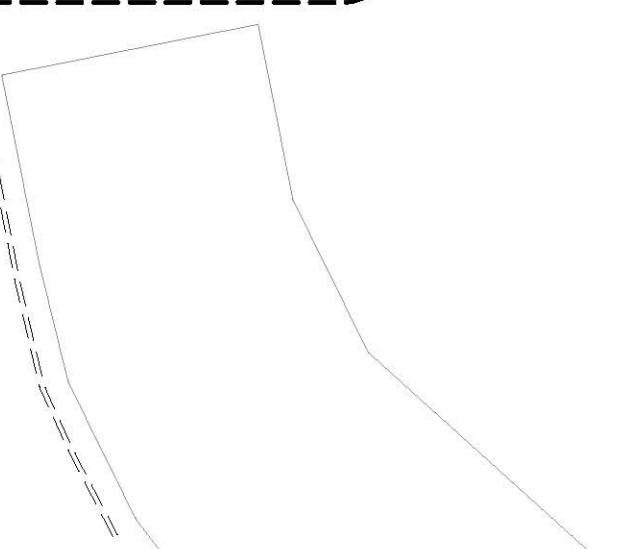
MULTI-FAMILY  
1.14 AC

PUBLIC/QUASI-PUBLIC  
4.94 AC

DETENTION POND  
4.00 AC

**PHASE 1**

**SEE SHEET 1-5**



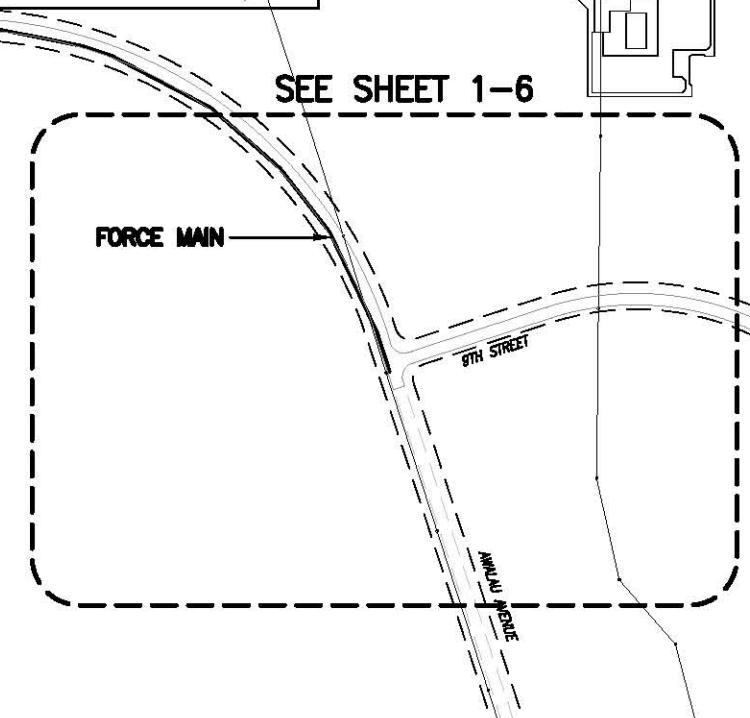
**5TH STREET EXTENTION**

**SEE SHEET 1-4**

AWALAU AVENUE

**SEE SHEET 1-6**

FORCE MAIN



RELOCATED FORCE MAIN  
(REUSE WATER FOR KOELE)

FUTURE ROAD TO KOELE

SC 1000 1000

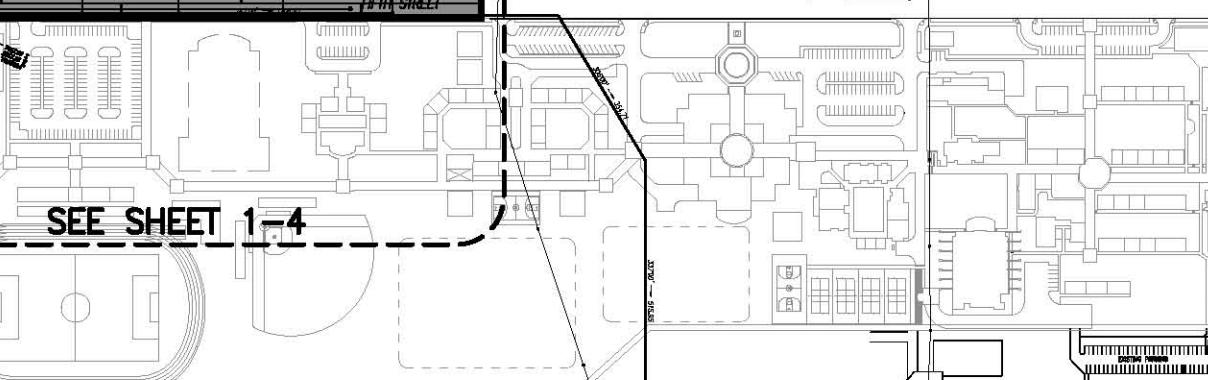
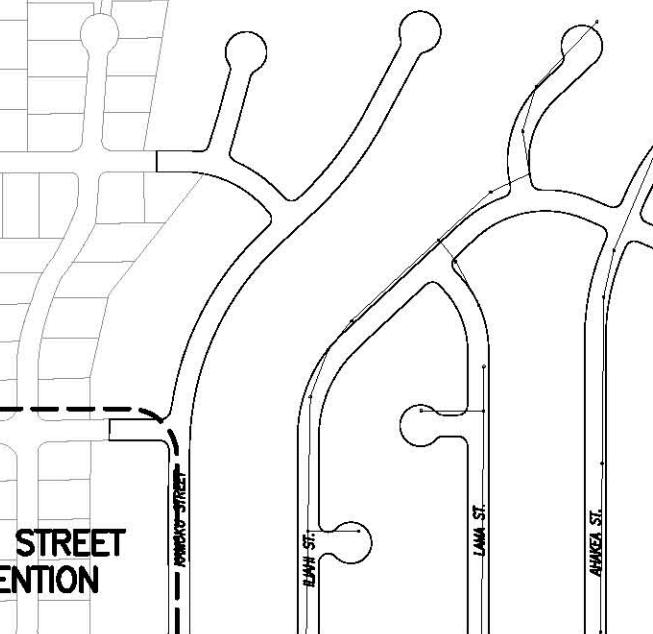
SC 1000 1000

LANA ST.

AHAEKU ST.

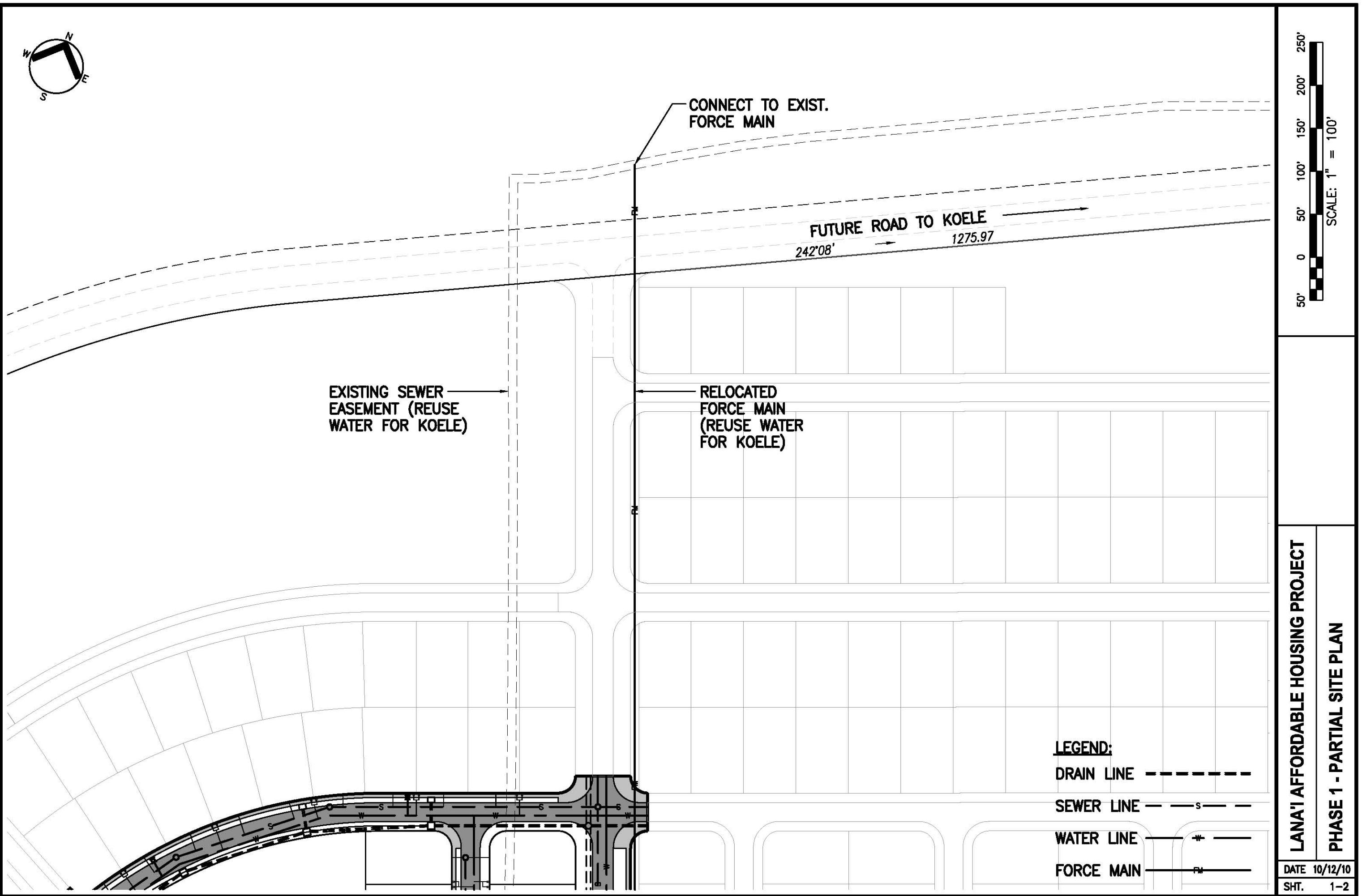
CALDWELL AVE.

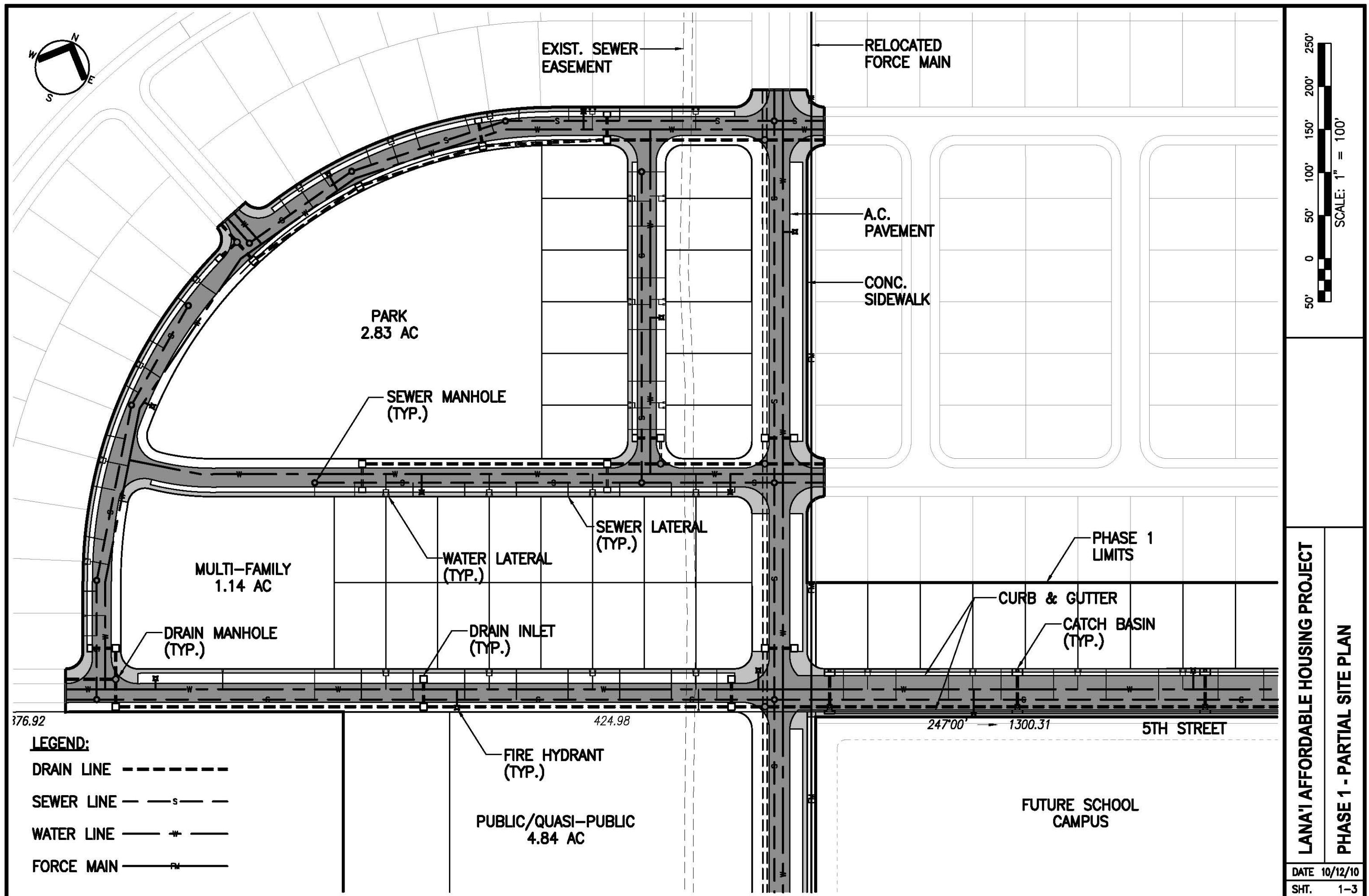
FRASER AVE.

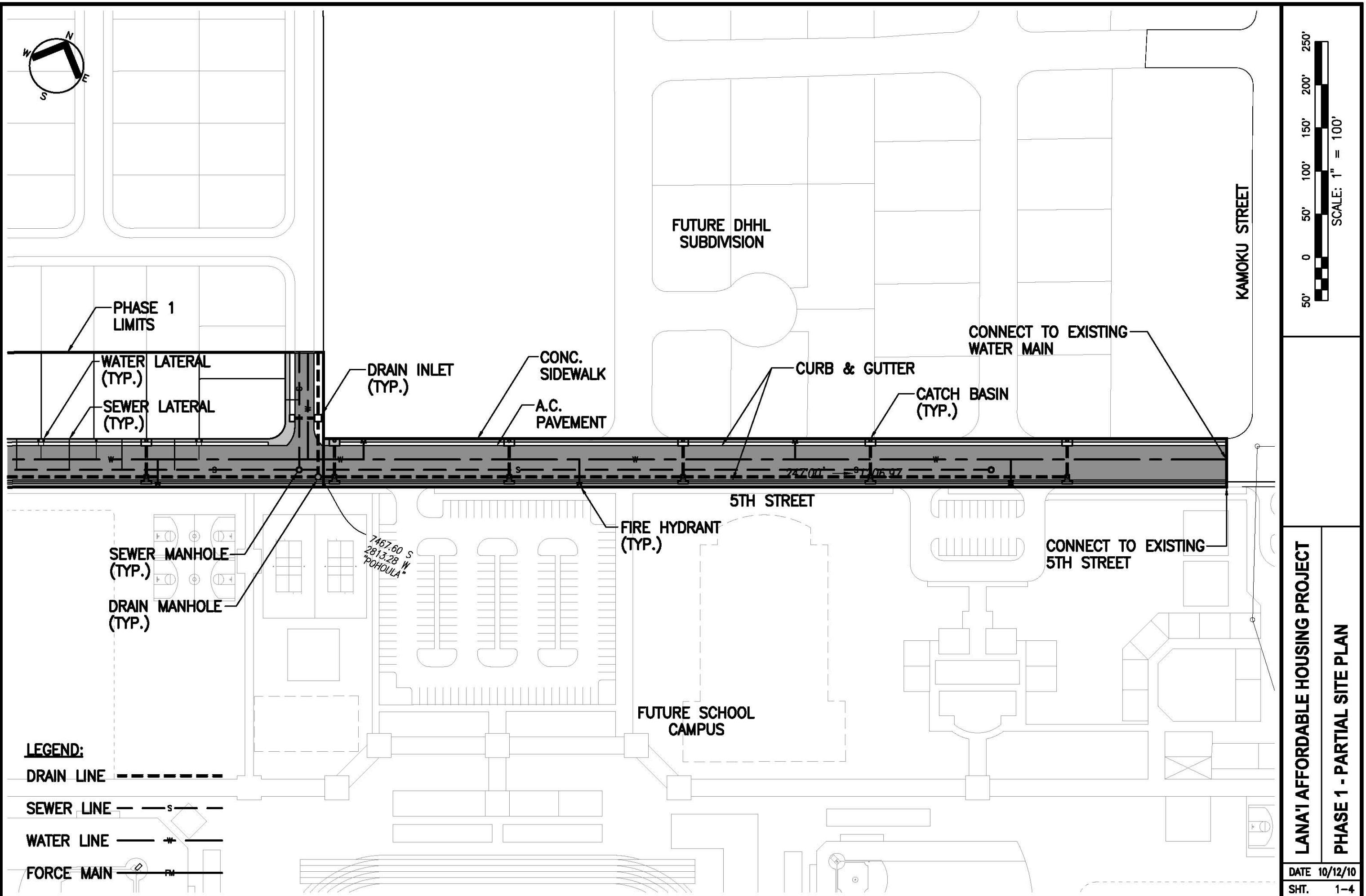


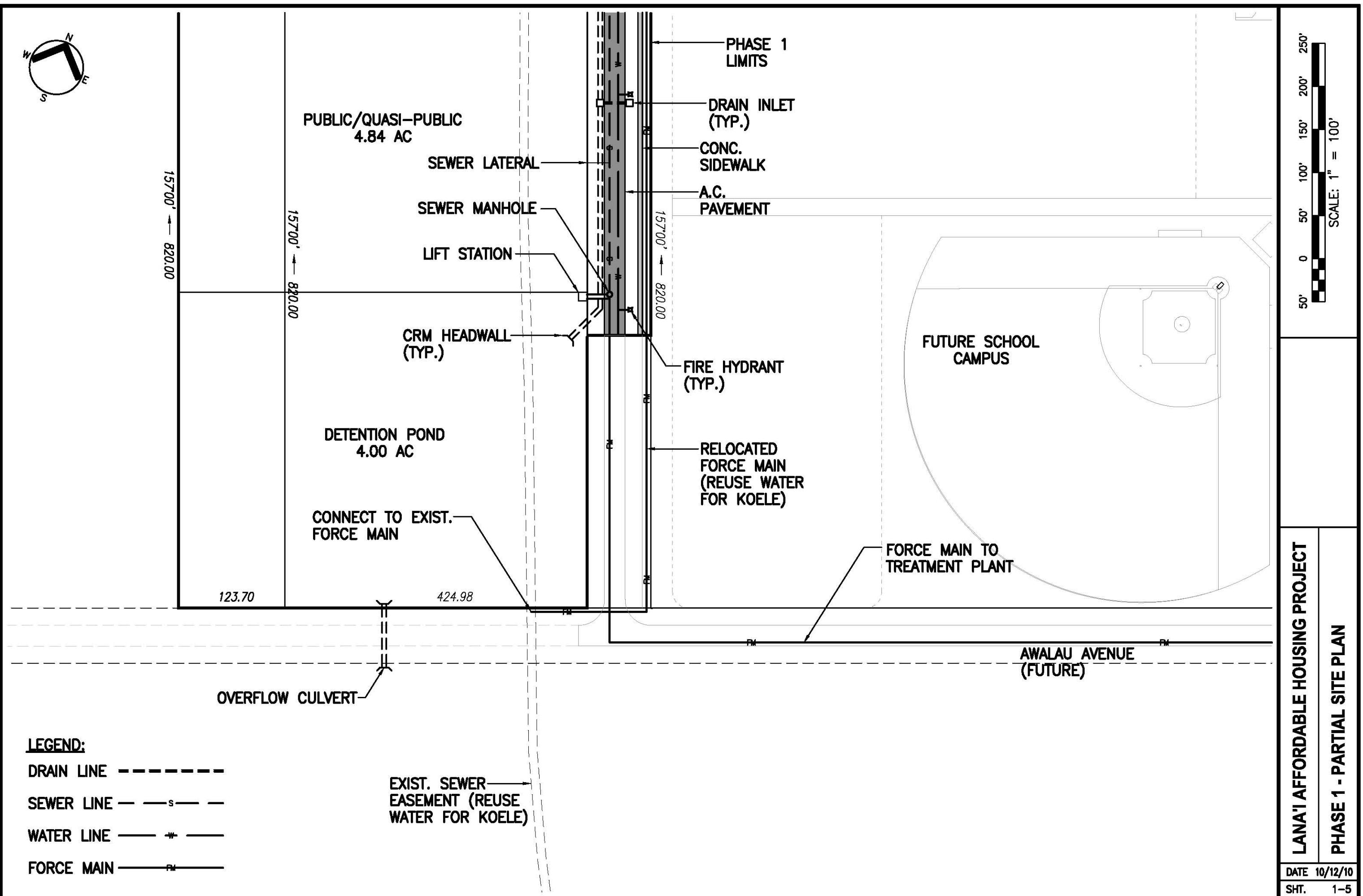
AWALAU AVENUE

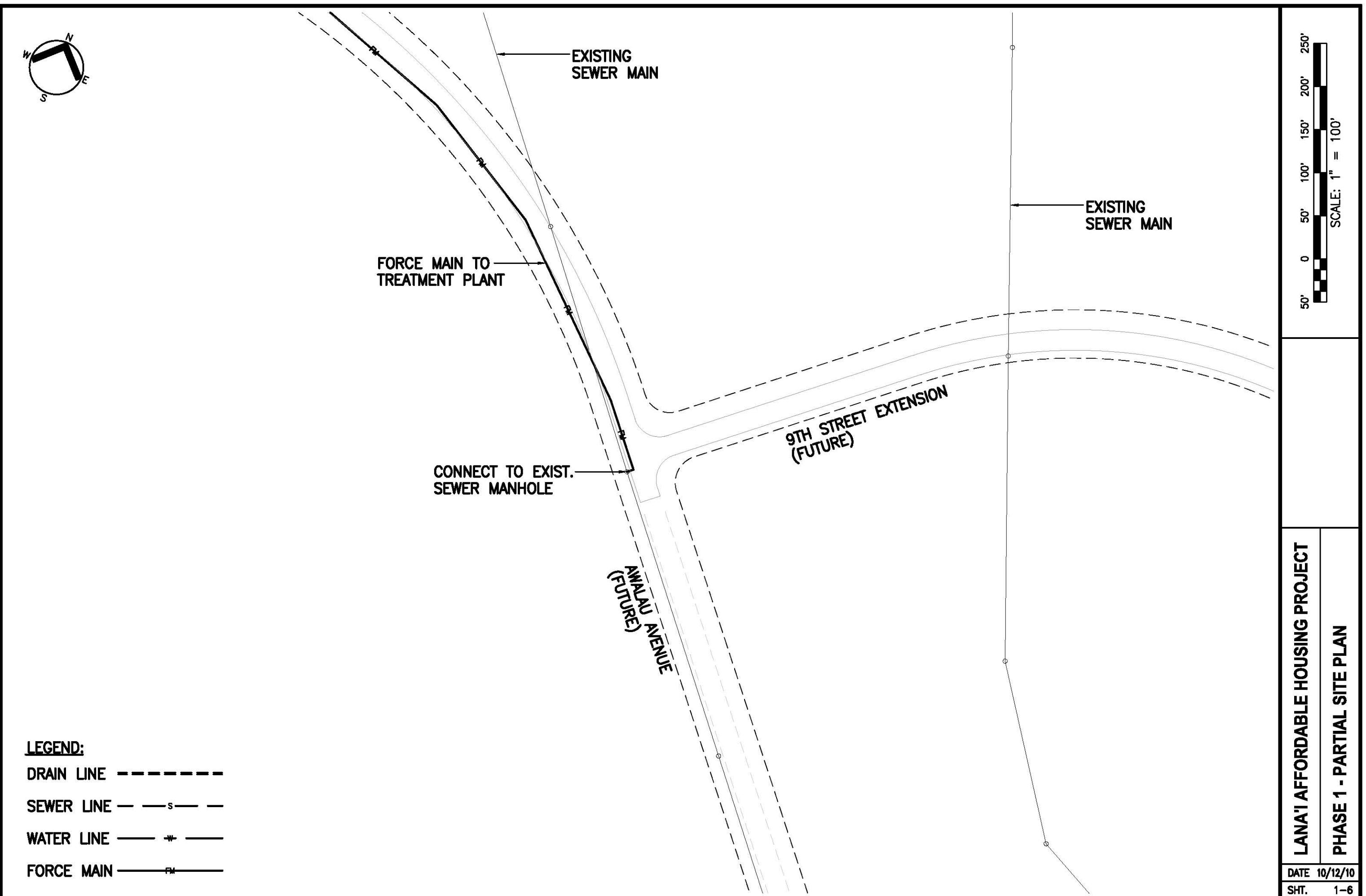
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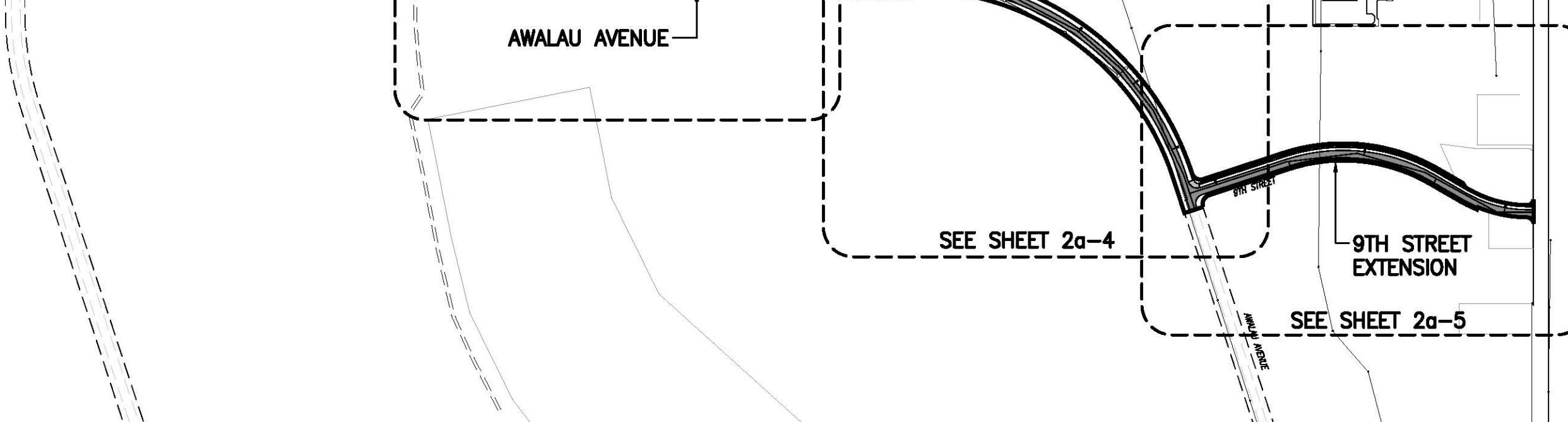
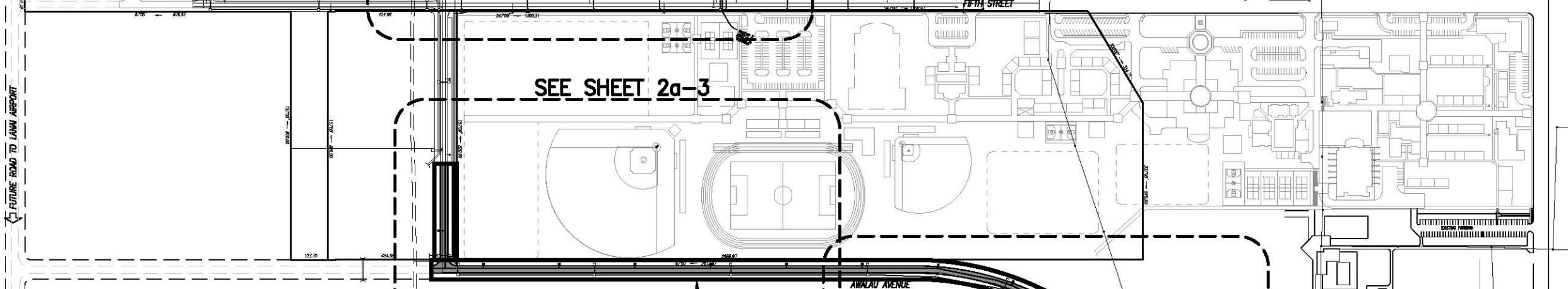
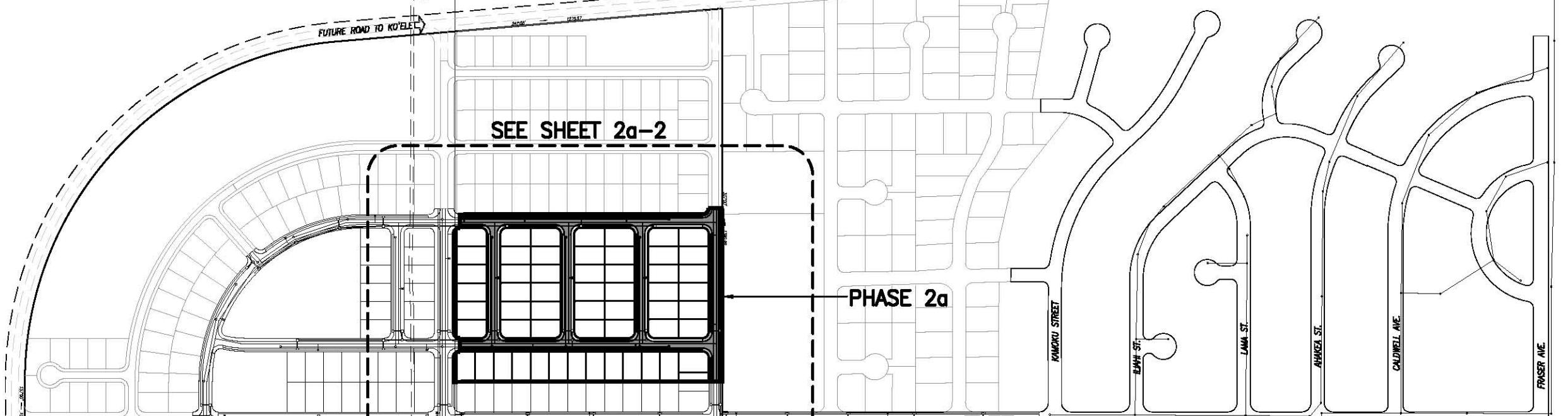
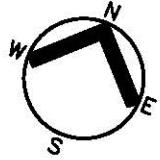












**LANA'I AFFORDABLE HOUSING PROJECT**

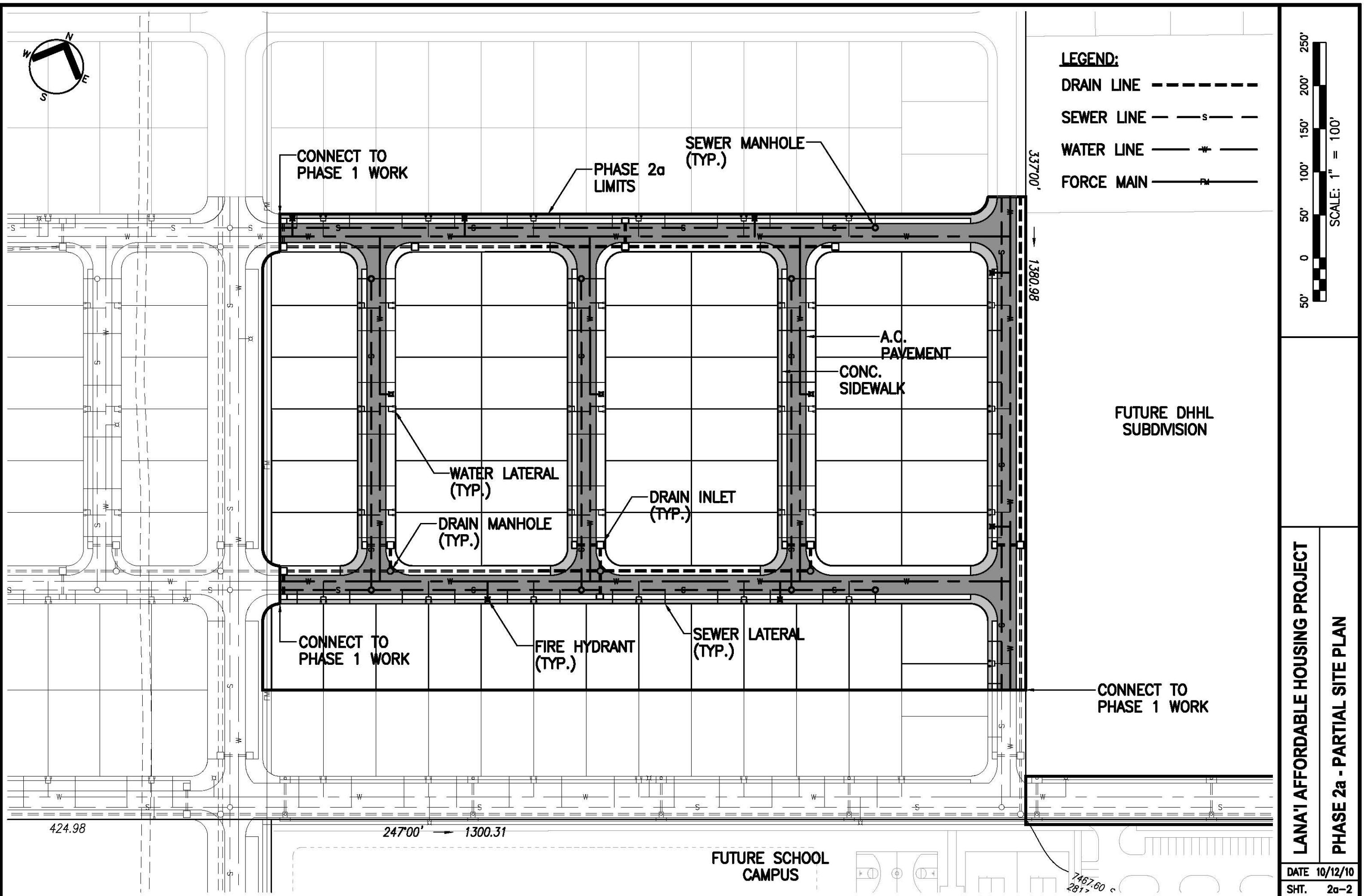
**PHASE 2a - OVERALL SITE PLAN**

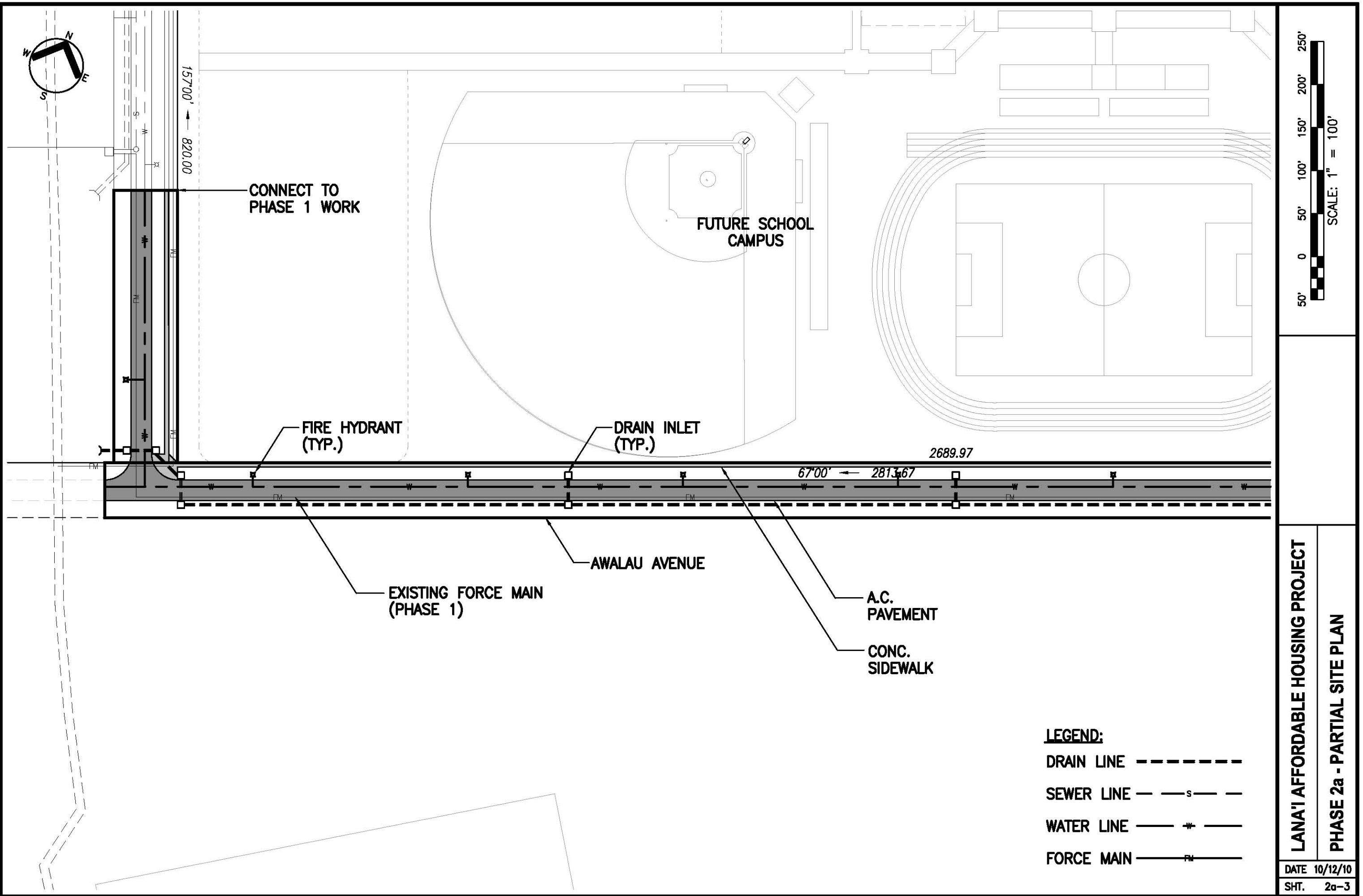
DATE 10/12/10

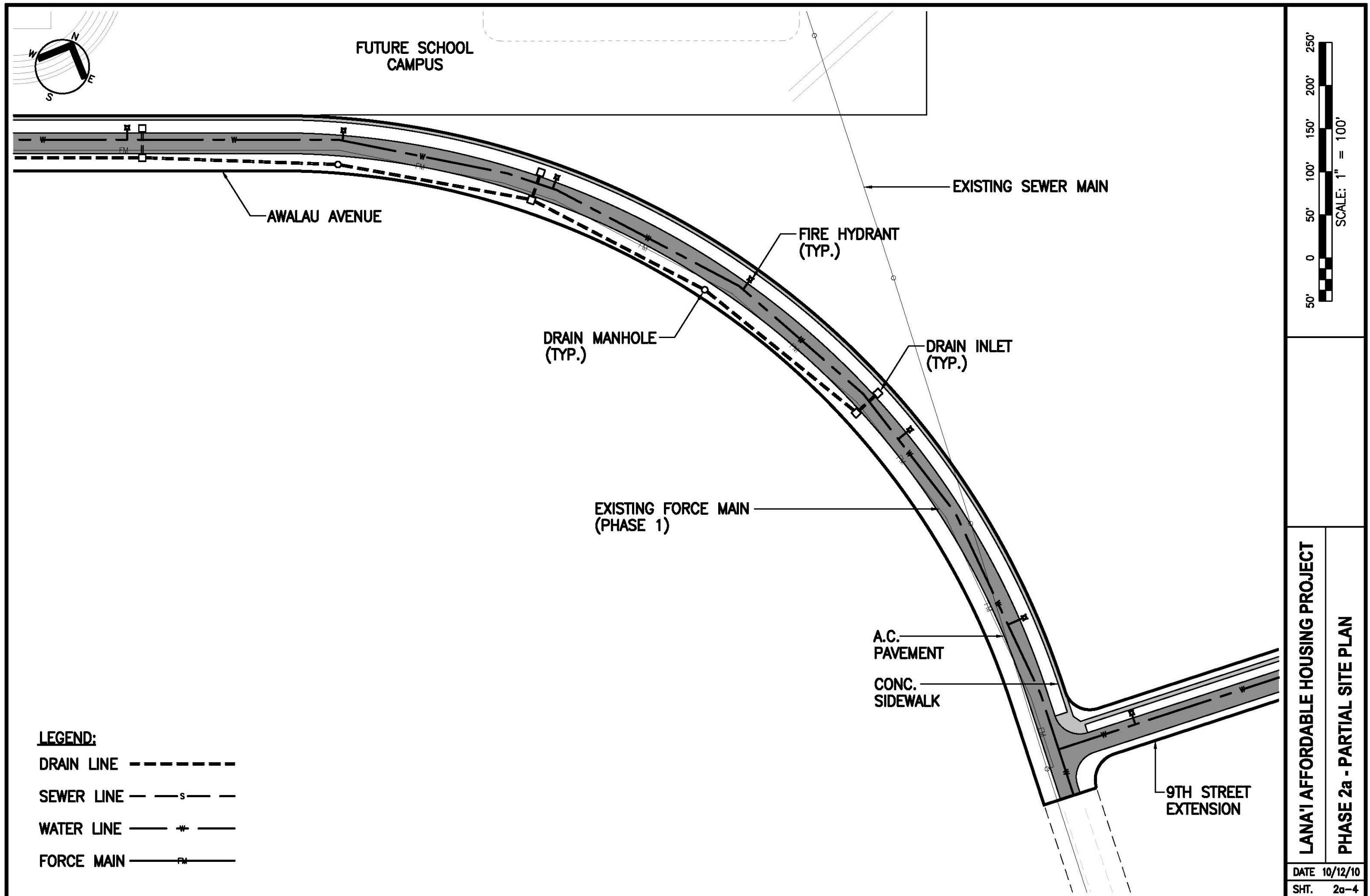
SHT. 2a-1

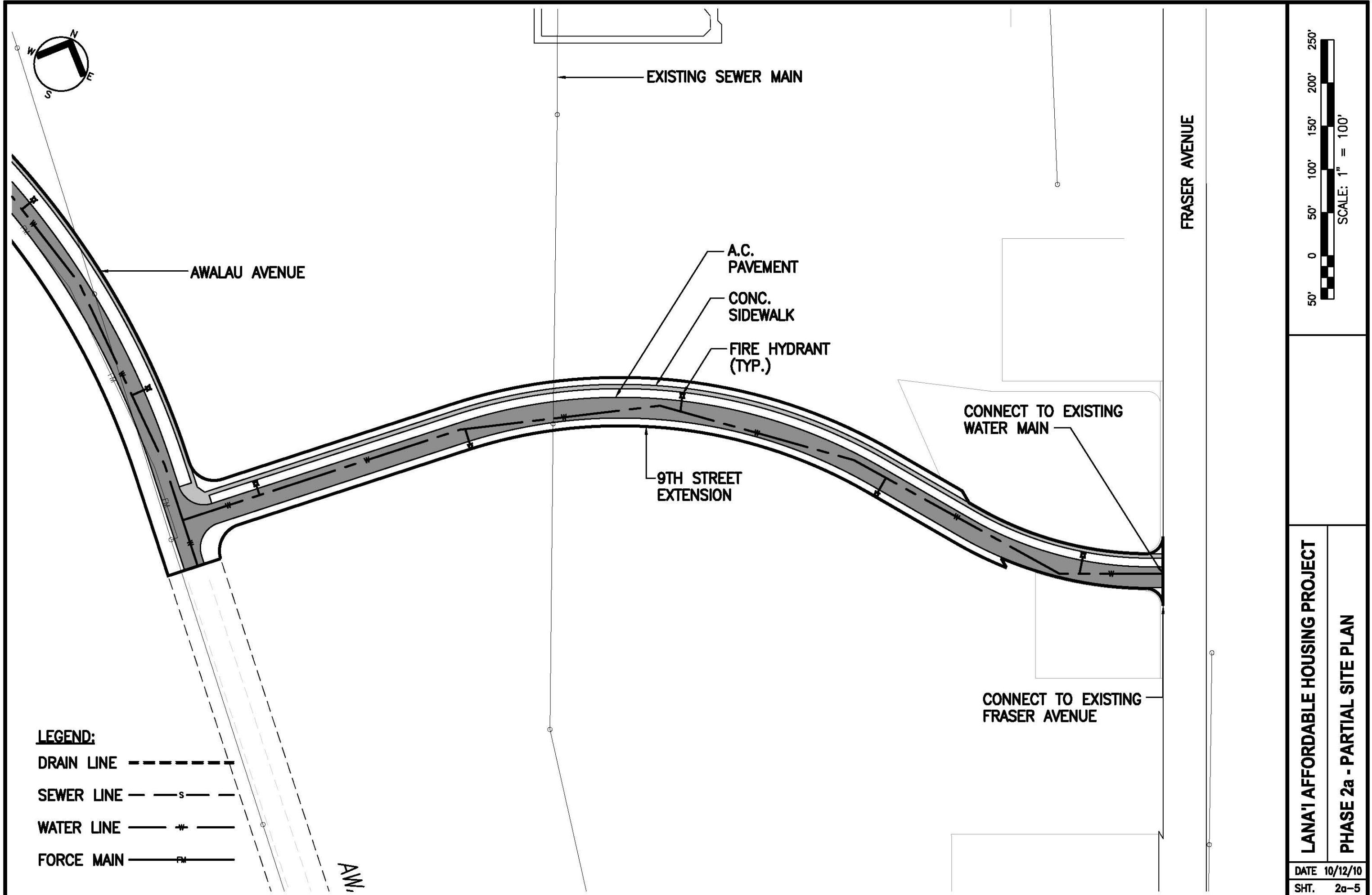
SCALE: 1" = 400'

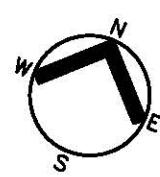
200' 0 200' 400' 600' 800' 1000'







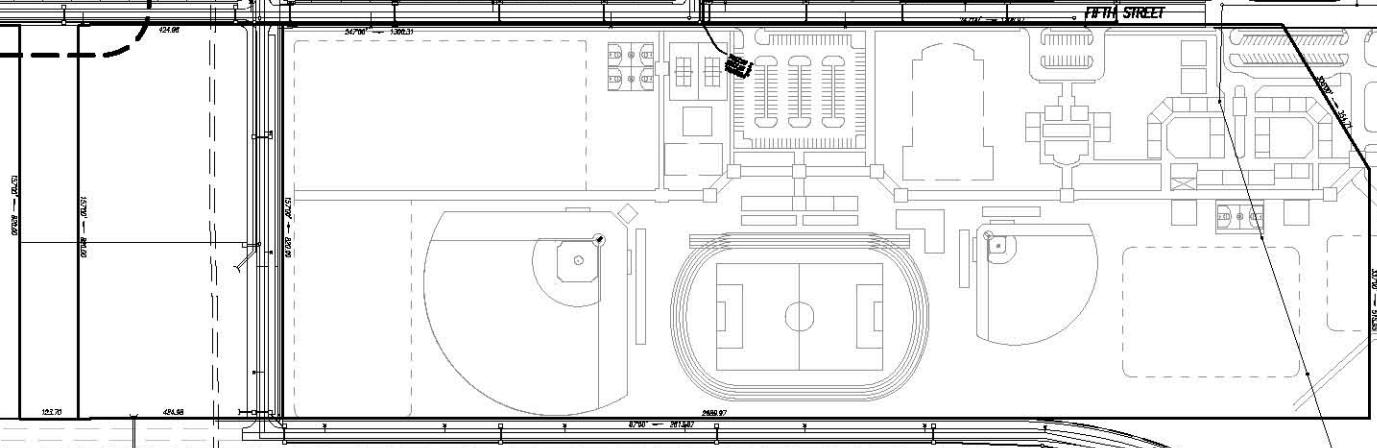




MULTI-FAMILY  
6.04 AC

PHASE 2b

SEE SHEET 2b-2



AWALAU AVENUE  
8TH STREET  
MANNA ROAD

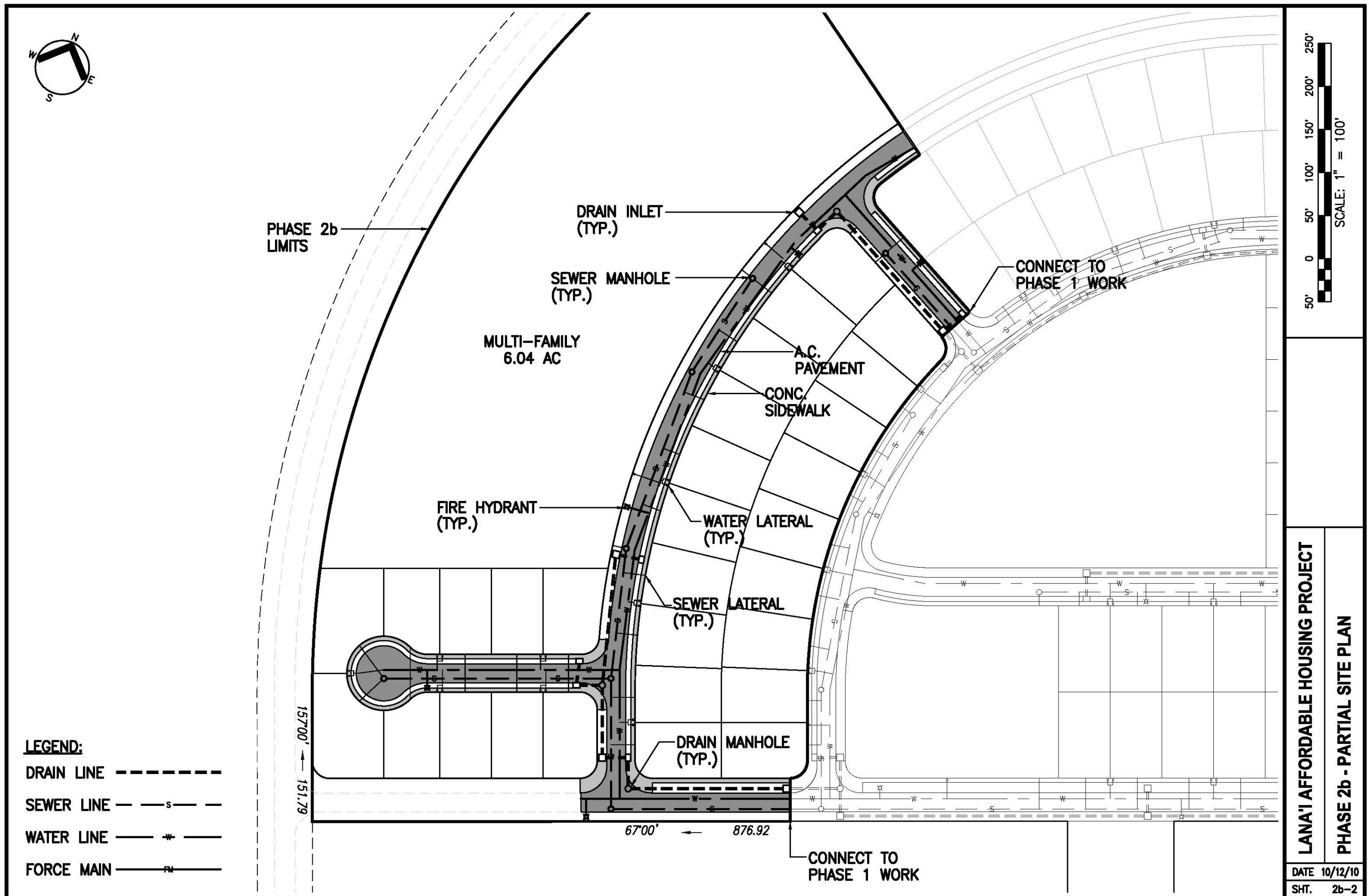
**LANA'I AFFORDABLE HOUSING PROJECT**

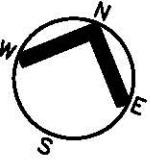
**PHASE 2b - OVERALL SITE PLAN**

DATE 10/12/10

SHT. 2b-1

FUTURE ROAD TO KO'OLE  
FUTURE ROAD TO LANA'I AIRPORT  
SCALE: 1" = 400'





SEE SHEET 2c-2

**PARK  
1.91 AC.**

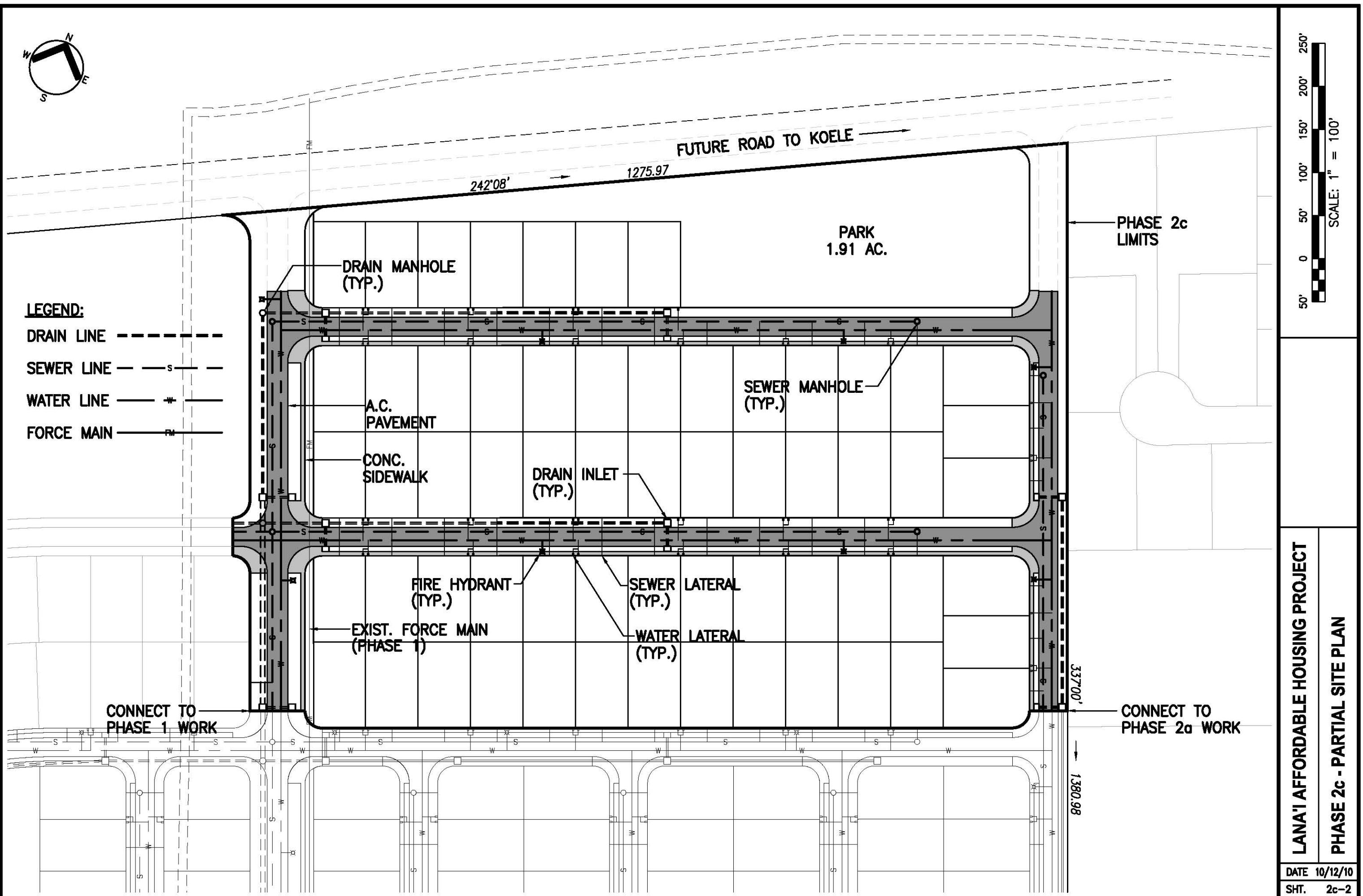
## -PHASE 2c

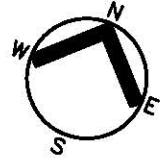
SCALE: 1" = 400'

PHASE ZC - OVERALL SITE PLAN

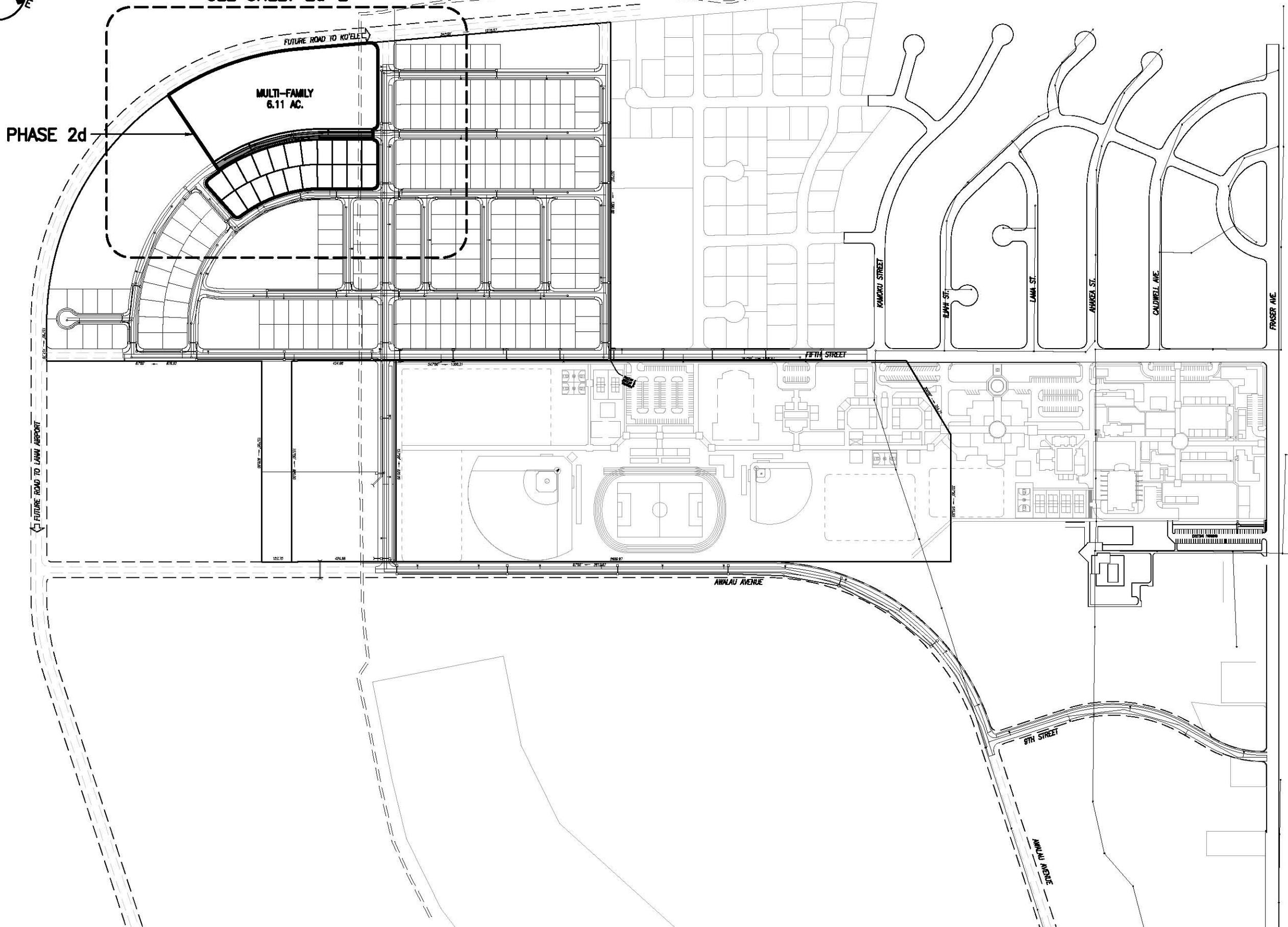
PHASE ZC - OVERALL SITE PLAN

DATE 10/12/10  
SHT. 2c-1





SEE SHEET 2d-2



**LANA'I AFFORDABLE HOUSING PROJECT**

**PHASE 2d - OVERALL SITE PLAN**

DATE 10/12/10

SHT. 2d-1

SCALE: 1" = 400'

