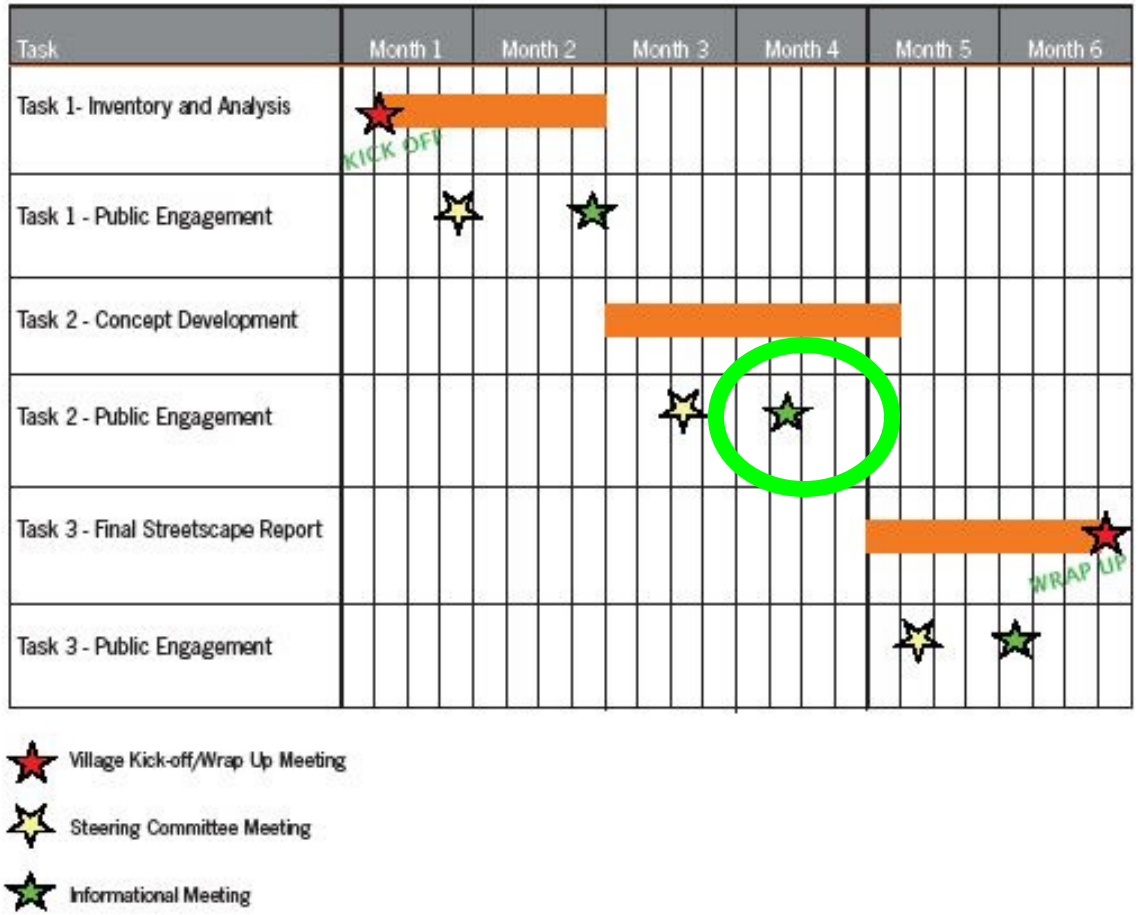
MAIN STREET STREETSCAPE MASTER PLAN

Existing

PROJECT SCHEDULE



PROJECT GOALS

- Provide a written and illustrated **Master Plan** document to act as a reference and guide to facilitate strategic and coordinated capital improvements to Main Street including recommendations to:
  - Improve street crossings,
  - Improve pedestrian environment,
  - Provide traffic calming,
  - Highlight the Village's historic quality,
  - Foster social interaction,
  - Recommend street furniture, sidewalk and street tree improvements,
  - Welcome visitors & improve commerce,
  - Improve accessibility and way finding,
  - Improve connections to transportation and linkages surrounding community,
  - Rethink stormwater management,
  - Seek cost effective implementation and phasing strategies, and
  - Identify funding strategies.

Recommendation:

1. Refresh cross-walk markings with bold easy to see lines and walk area. [Color and material choices.]

2. Irvington is required to provide ADA accessible pedestrian curb ramps.

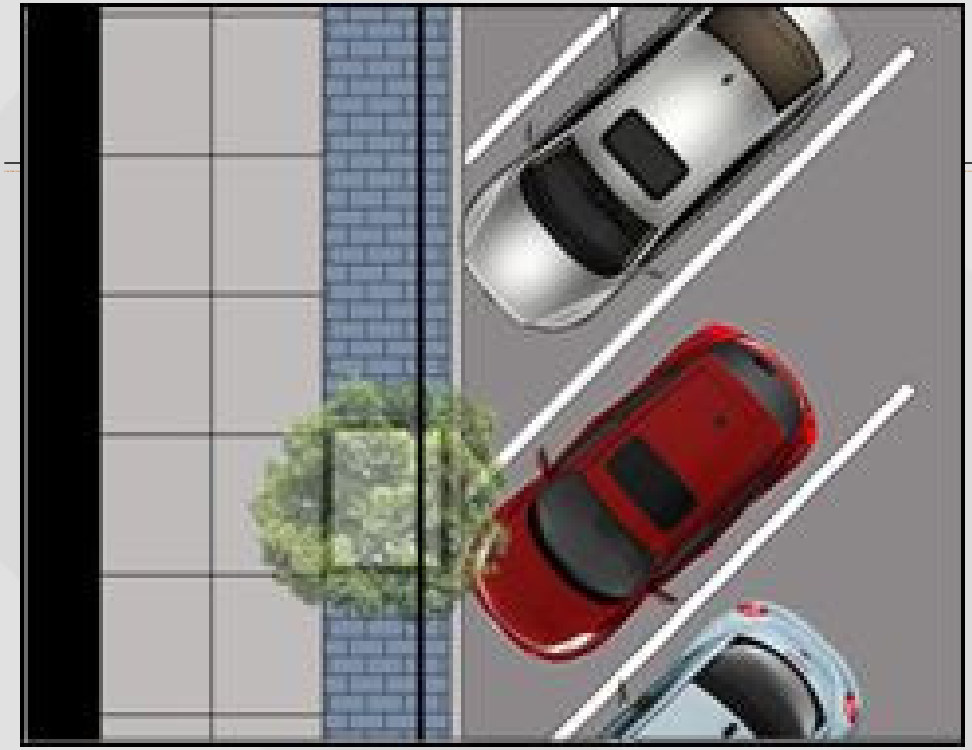
ECKAR STREET: EXISTING CONDITION

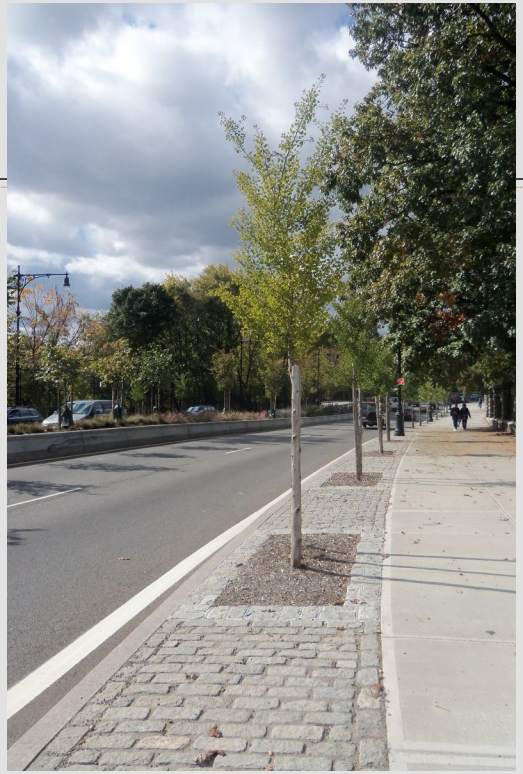
ECKAR STREET: TREES / SHRUBS IN PLANTERS

ECKAR STREET: TREES / SHRUBS IN PLANTERS

CROSS WALK OPTIONS

PAVEMENT OPTIONS





Concrete Pavers

Porous Pavers

Simulated Bluestone

Granite Block

Brick

Recommendation:

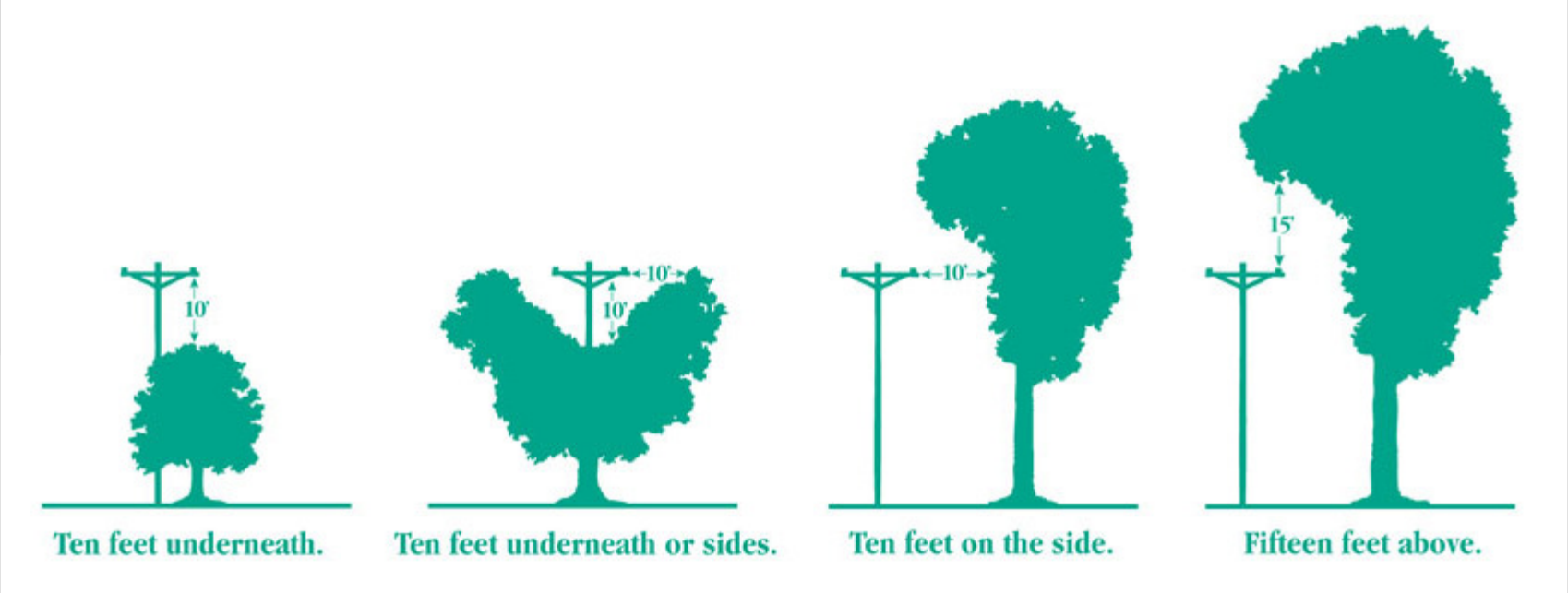
3. Provide small trees or large shrubs in planters. [Choices of planter style and plants.]

Or

3. Place power and communications wires below ground and plant large trees in tree pits. Continuous tree pits recommended. [Choices of paver and tree types.]

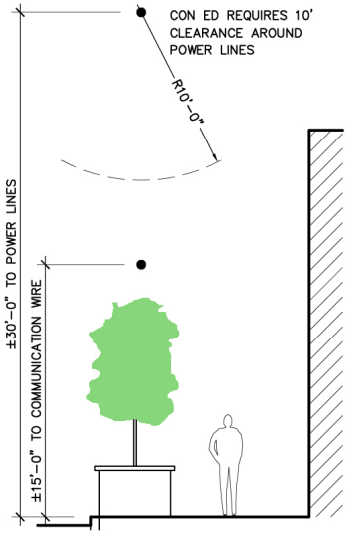
ECKAR STREET: STANDARD STREET TREES, WIRES BURIED

OVERHEAD WIRES AND UTILITY REQUIREMENTS



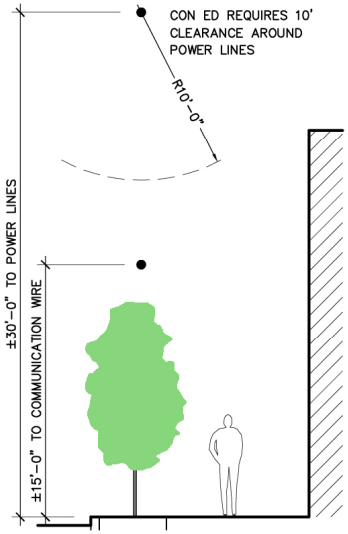
conEdison

FACTORS INFLUENCING TREES

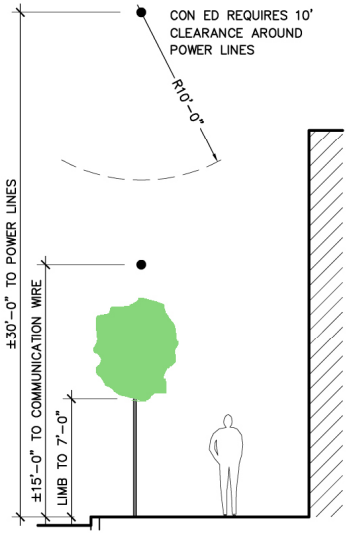


1) PLANTER UNDER WIRE:
- REQUIRES SMALL TREE/LARGE SHRUB
- PLANTER DETERS PLANT DAMAGE
- BRANCHES ABOVE FACE LEVEL

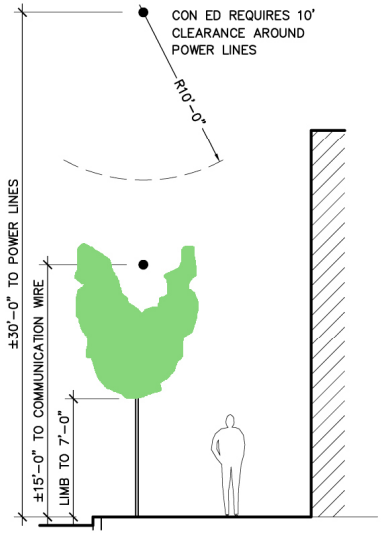
RECOMMENDED IF WIRES REMAIN



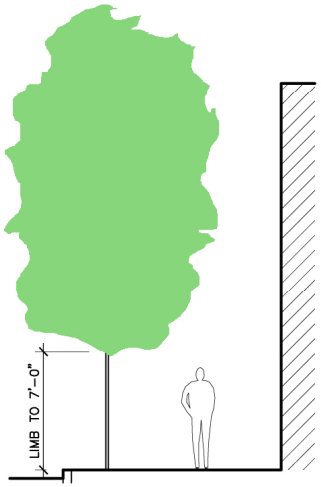
2) SMALL TREE UNDER WIRE:
- REQUIRES SMALL TREE
- PLANT SUSCEPTIBLE TO DAMAGE
- BRANCHES AT FACE LEVEL



3) SMALL TREE UNDER WIRE (LIMBED UP):
- REQUIRES SMALL TREE
- LIMBING UP RESULTS IN DEFORMED CANOPY
- TINY 'LOLLIPOP' SHAPE
- BRANCHES ABOVE FACE LEVEL



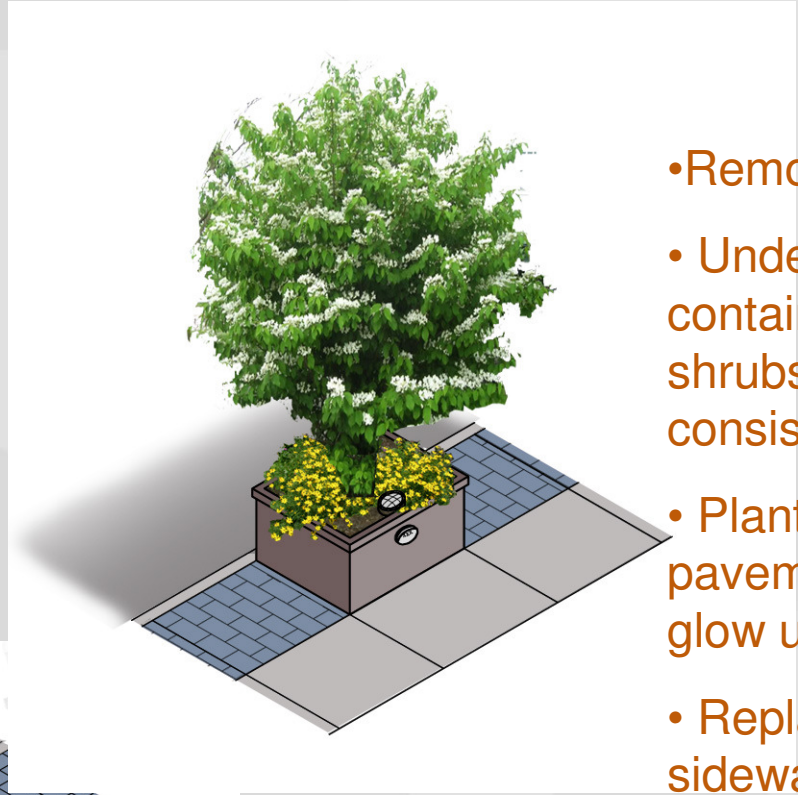
4) MEDIUM TREE UNDER WIRE (LIMBED UP):
- ALLOWS LARGER TREE
- TREE IS SUITABLE TO LIMB UP
- REQUIRED PRUNING AROUND WIRES

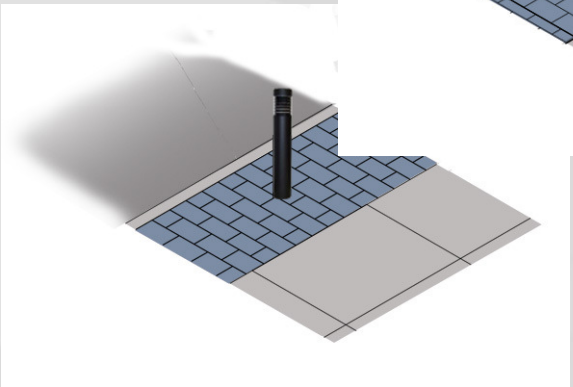


5) MEDIUM/LARGE TREE–NO WIRES (LIMBED UP):
- ALLOWS LARGER TREE
- TREE IS SUITABLE TO LIMB UP
- NO PRUNING AROUND WIRES
- SHADES PEDESTRIANS
- BOULEVARD EFFECT

RECOMMENDED IF WIRES BURIED

IMPROVE THE PEDESTRIAN ENVIRONMENT



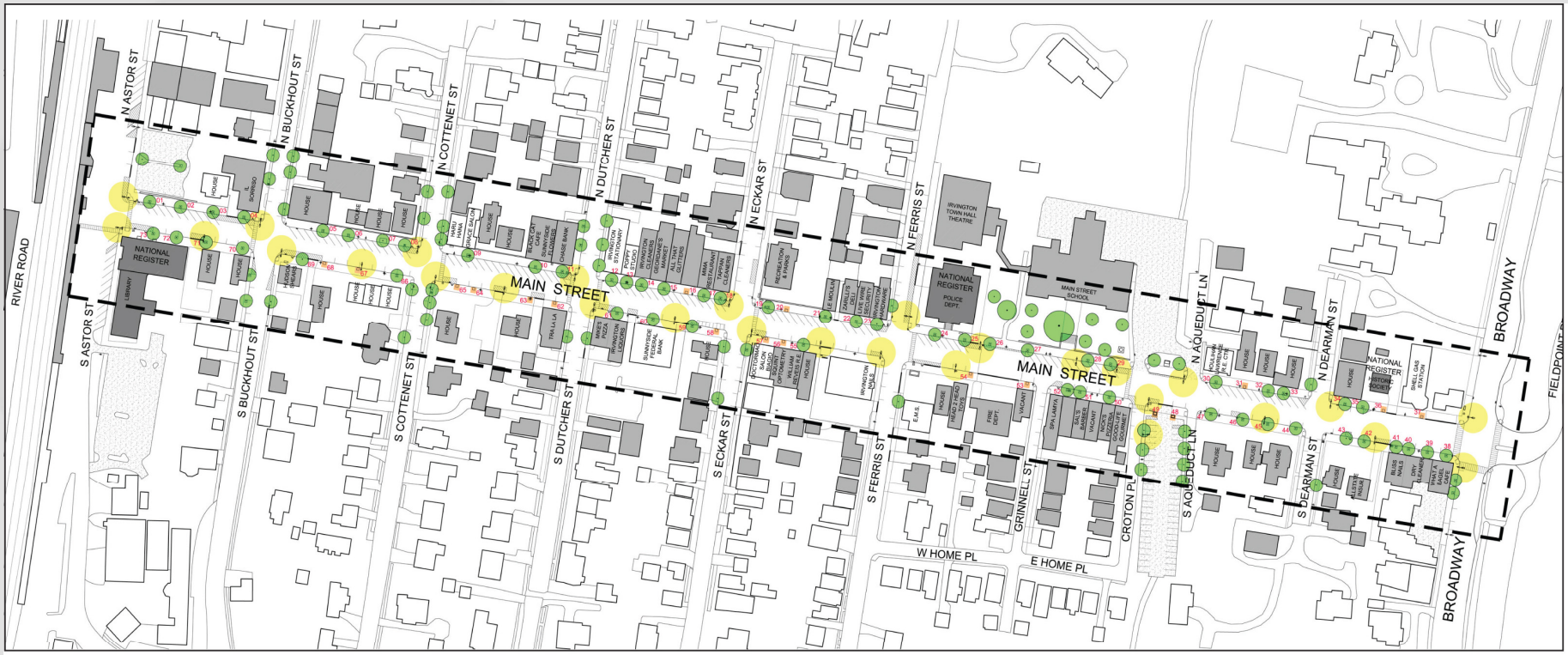


•Remove unhealthy trees

• Under existing wires, place containers with small trees or large shrubs 20’ on center +/- to provide a consistent green growing environment.

• Planters to have integral uplights and pavement lights to give a consistent glow up and down the street.

• Replace existing curb and sidewalks; add power conduit for lighting and place decorative pavement band.



Legend

- Existing Street Tree (with inventory number)
- Existing Empty Tree Pit (with inventory number)
- Existing Electric Pole & Cobrahead Light Fixture

Summary

55 - Existing Street Trees on Main Street

18 - Existing Empty Tree Pits on Main Street

29 - Existing Electric Poles with Cobrahead Light Fixtures

EXISTING TREE & LIGHT INVENTORY

Legend

- Existing Street Tree (Side Streets)
- New Small Tree / Large Shrub in Planter (Main Street): 20 feet on center
- New Planter Light
- Existing Electric Pole with Cobrahead Light Fixture

Summary

114 - Planters (Main Street)

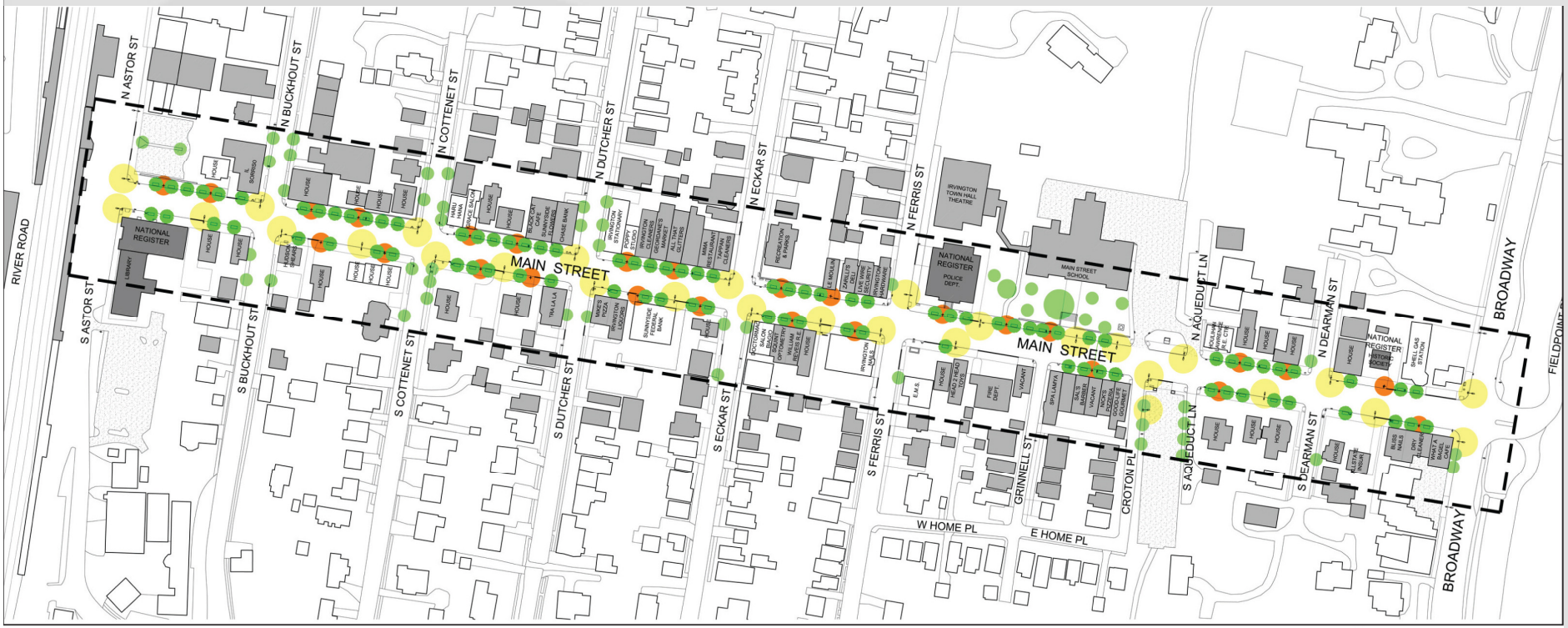
114 - New Planter Lights Integral with Planters

29 - Existing Electric Poles with Cobrahead Light Fixtures

SCALE: 1" = 60'-0"

PROPOSED PLANTERS & LIGHTING

(overhead wires remain)



Legend

- Existing Street Tree (Side Streets)
- New Tree in 4' x 10' Treepit (Main Street): 25 foot on center
- New Pedestrian Pole Light
- New Street Pole Light

Summary

89 - New Trees in 4' x 10' Treepits (Main Street)

27 - New Pedestrian Pole Lights

29 - New Street Pole Lights

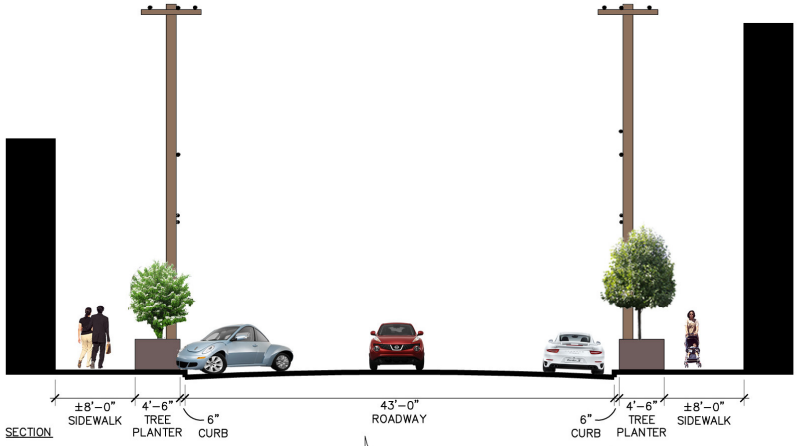
SCALE: 1" = 60'-0"

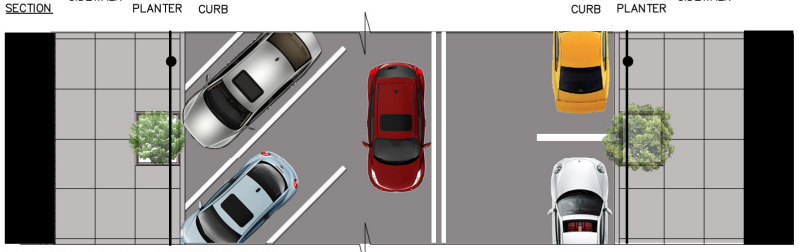
PROPOSED TREES IN TREEPITS & LIGHTING (BURY EXISTING WIRES)

Recommendation:

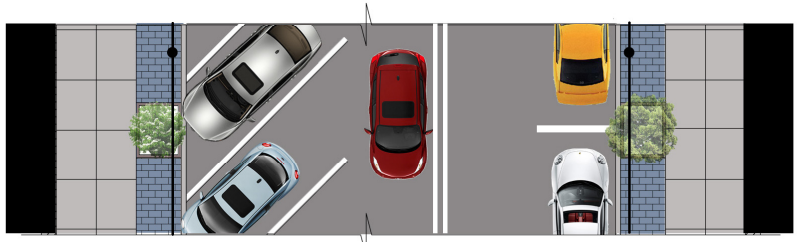
4. Place trees or planters where they will not be hit by cars and not interfere with car doors.
5. Place trees or planters where they will not interfere with building egress.
6. Place trees where they will not disturb underground water, gas or power lines.
7. Place trees where they will not block access to fire hydrants.

Small trees or large shrubs in containers

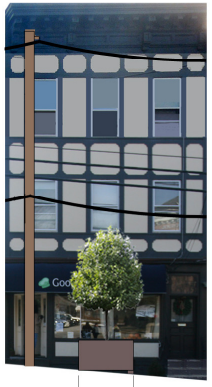


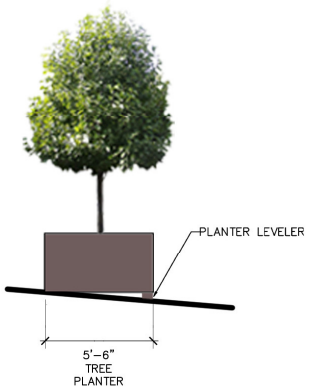


PLAN: TREE PLANTER – CONCRETE SIDEWALK

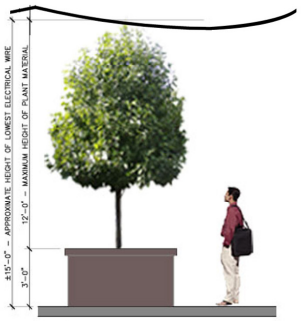


PLAN: TREE PLANTER – PAVER STRIP AND CONCRETE SIDEWALK



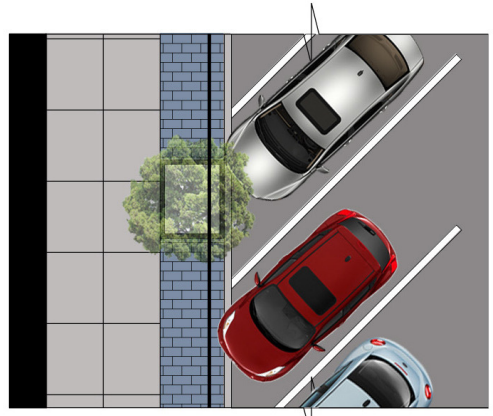


ELEVATION:
PLANTER WITH LARGE SHRUB

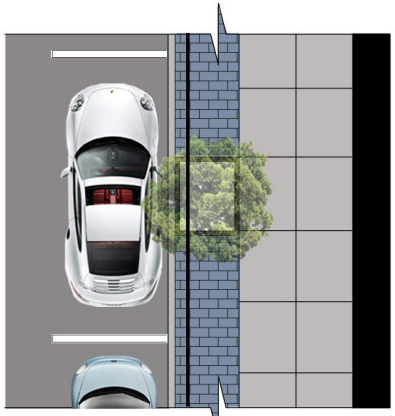


ELEVATION:
PLANTER WITH SMALL TREE

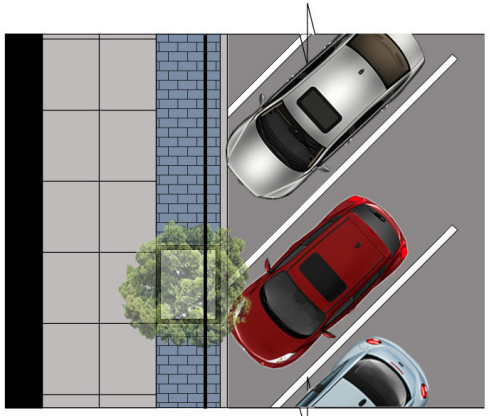
Study of potential placement strategies for planters



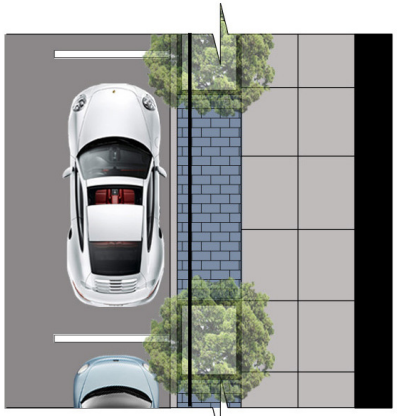
PLAN:
PLANTER AT PULL–IN PARKING SPACE MIDPOINT



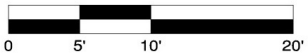
PLAN:
PLANTER AT PARALLEL PARKING SPACE MIDPOINT



PLAN:
PLANTER AT PULL–IN PARKING SPACE MARKING LINE



PLAN:
PLANTER AT PARALLEL PARKING SPACE MARKING LINE



OPTIONS: Small Trees & Large Shrubs

Viburnum plicatum v. tomentosum

Hamamelis x intermedia Jelena

Malus sargentii Firebird

Firebird Crabapple

Cornus mas

Golden Glory

OPTIONS: Small Trees & Large Shrubs

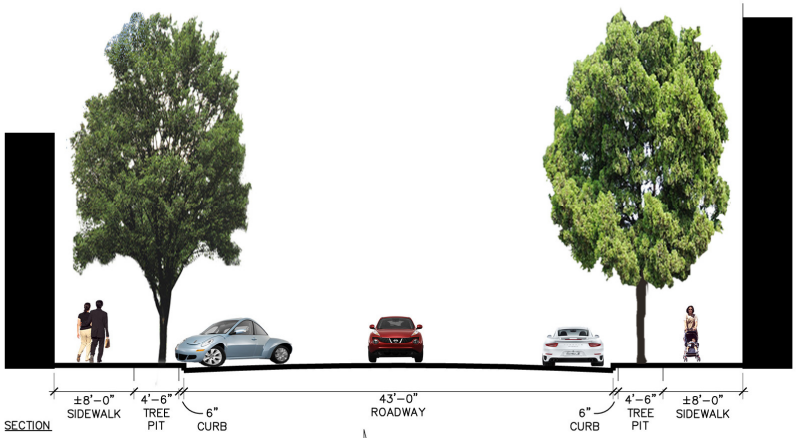
Crataegus crusgalli 'inermis'

Prunus x HOLLY JOLIVETTE

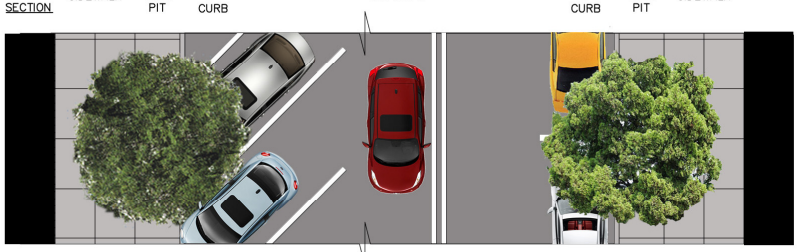
Amalanchier canadensis

tbd

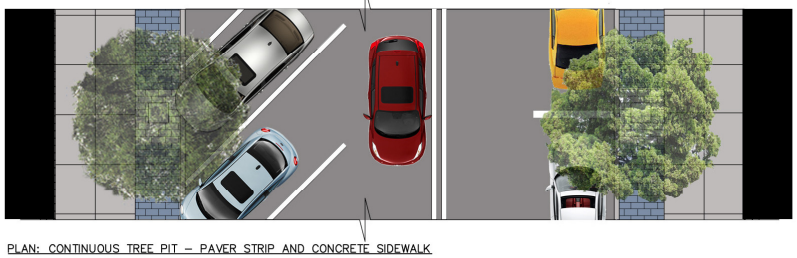
Large trees in 5x10 tree pits; wired buried



SECTION



PLAN: TREE PIT – CONCRETE SIDEWALK



PLAN: CONTINUOUS TREE PIT – PAVER STRIP AND CONCRETE SIDEWALK

10'-0"
TREE PIT

OPTIONS: Street Trees (no overhead wires)

Zelkova serrata
Halka

Japanese Zelkova

Fraxinus pennsylvanica
Cimmaron

Cimmaron Green Ash

Ulmus americana
Princeton

Princeton Elm

Corylus colurna

Turkish Filbert

OPTIONS: Street Trees (no overhead wires)

Acer rubrum

Red Maple

Ginkgo biloba (male)

Ginkgo

Pyrus calleryana

Callery Pear

Gleditsia triacanhos inermis

Honeylocust

Recommendation:

8. Extend sidewalk areas with sidewalk extensions at selected corners.

   [Reduces crossing distances, visual element that slows and calms traffic, provides additional social areas with plantings and seating.]

Considerations:

- Fourteen sidewalk extensions would displace thirteen parking spaces and would reduce some loading zones used by businesses.
- Sidewalk extensions would require modifications to snow removal practices.
- Sidewalk extensions would give side street drivers better view around parked cars when turning onto Main Street.

PROPOSED SIDEWALK EXTENSIONS – INVESTIGATION

Parking Space Summary

156 - Total Existing Parking Spaces on Main Street

13 - Total Parking Spaces Removed to Provide 14 Bulbouts

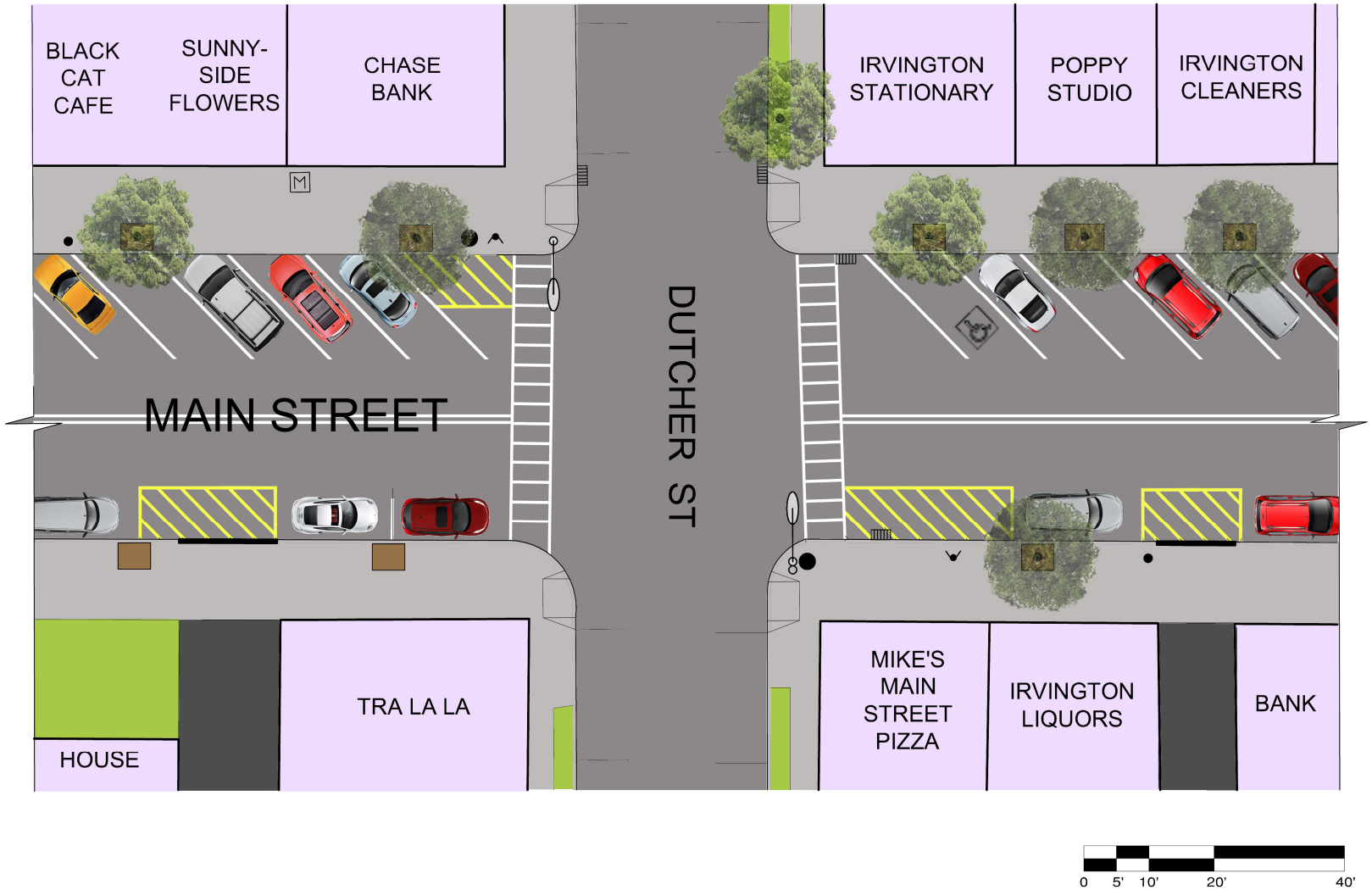
ECKAR STREET: TREES / SHRUBS IN PLANTERS & TRAFFIC CALMING SIDEWALK EXTENSIONS.

ECKAR STREET: STANDARD STREET TREES, WIRES BURIED & TRAFFIC CALMING SIDEWALK EXTENSIONS

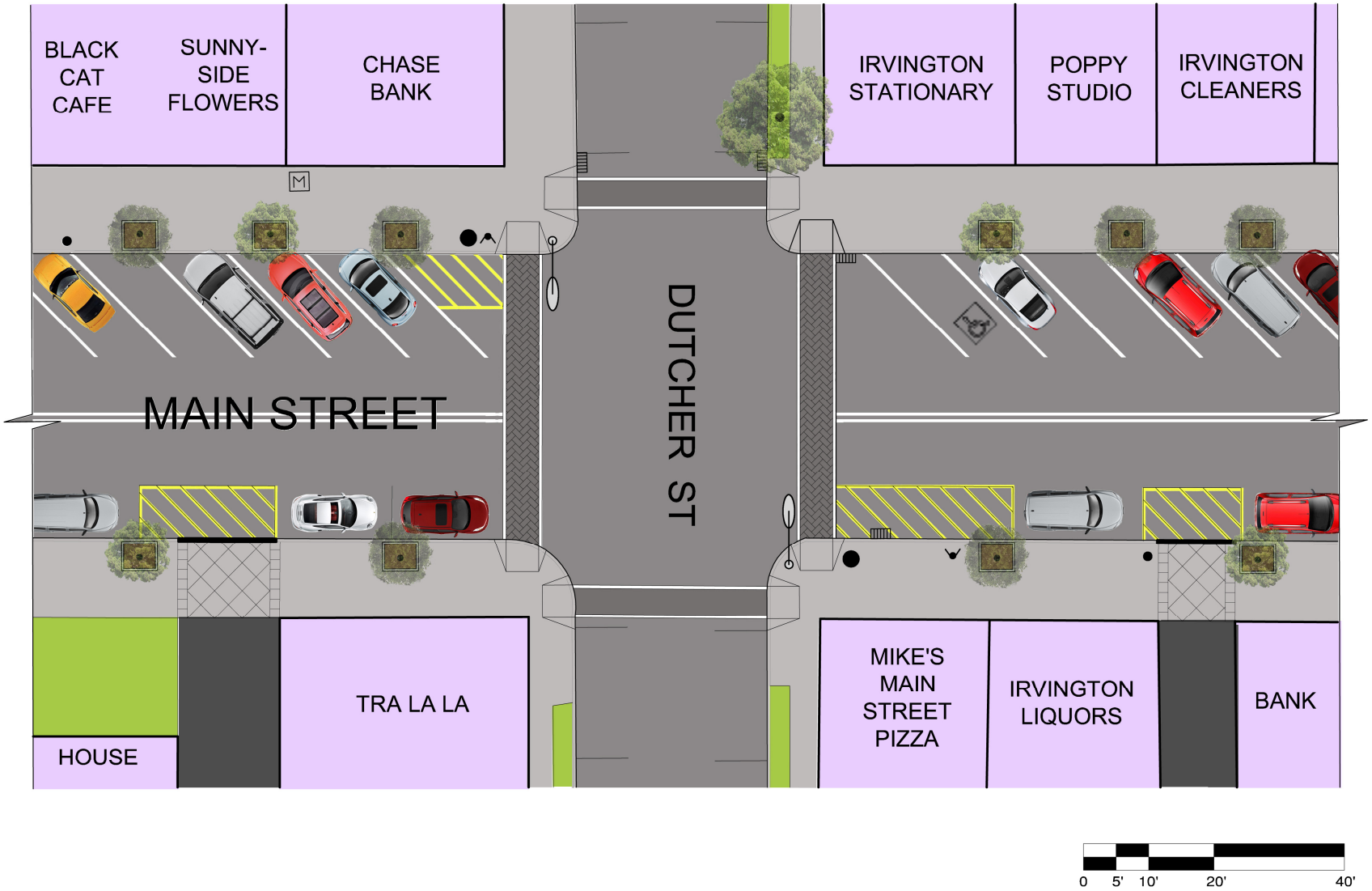
Recommendation:

9. Plan intersections as a whole.
10. Provide distinctive pavement or pavement pattern where driveways cross the sidewalk to alert pedestrians to crossing cars.

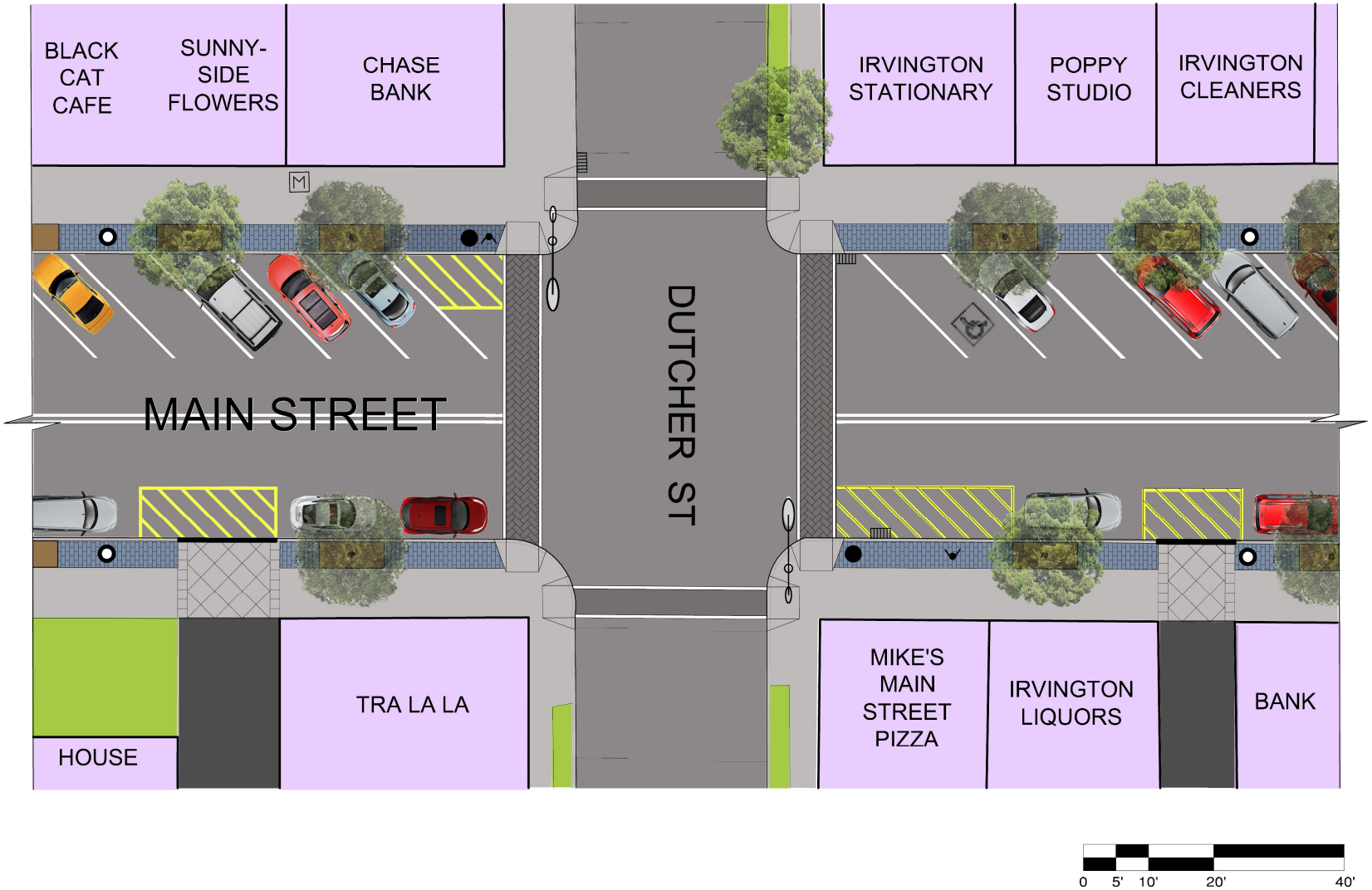
INTERSECTION: Typical Existing



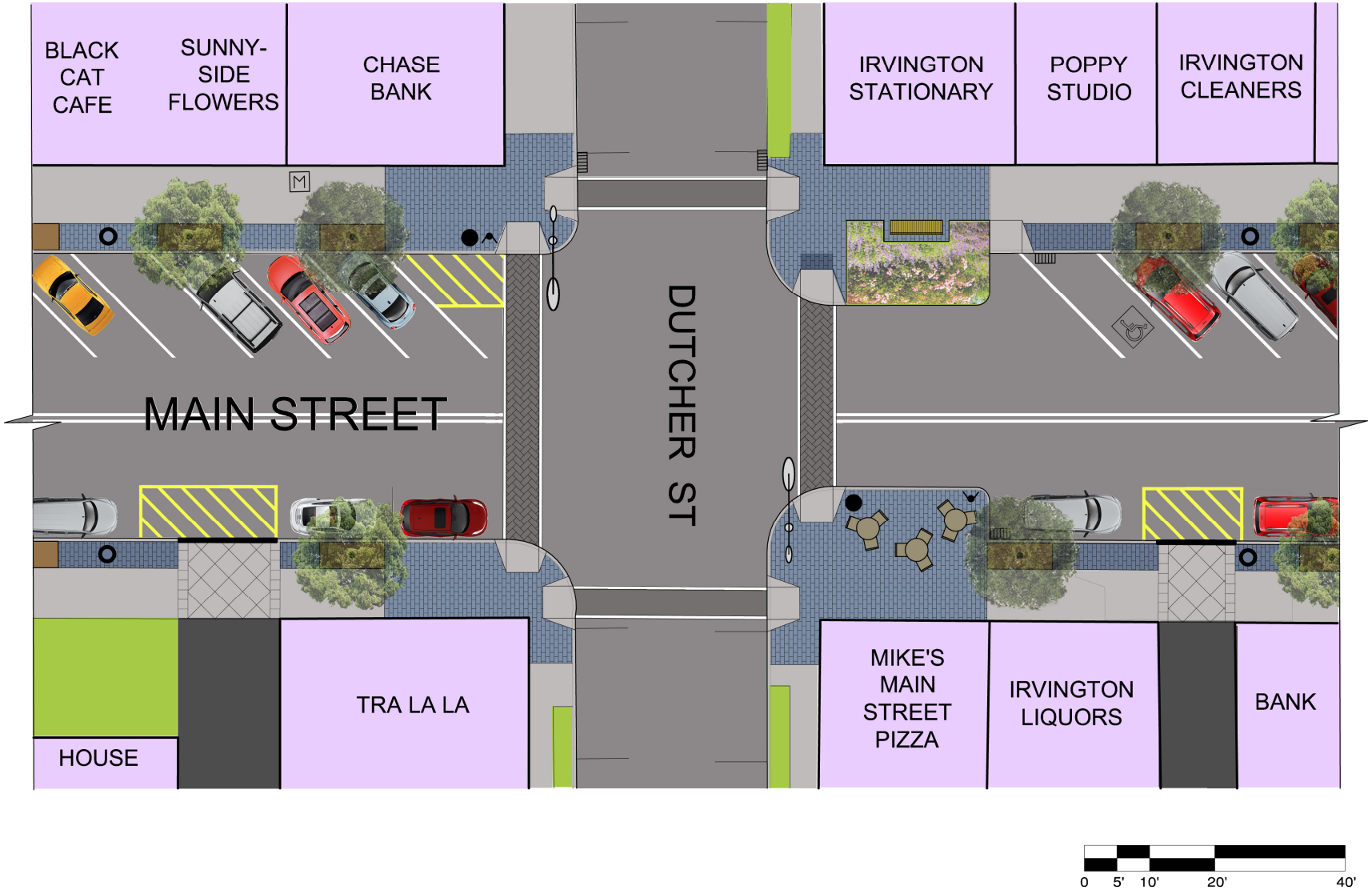
INTERSECTION OPTION: Planters under wires



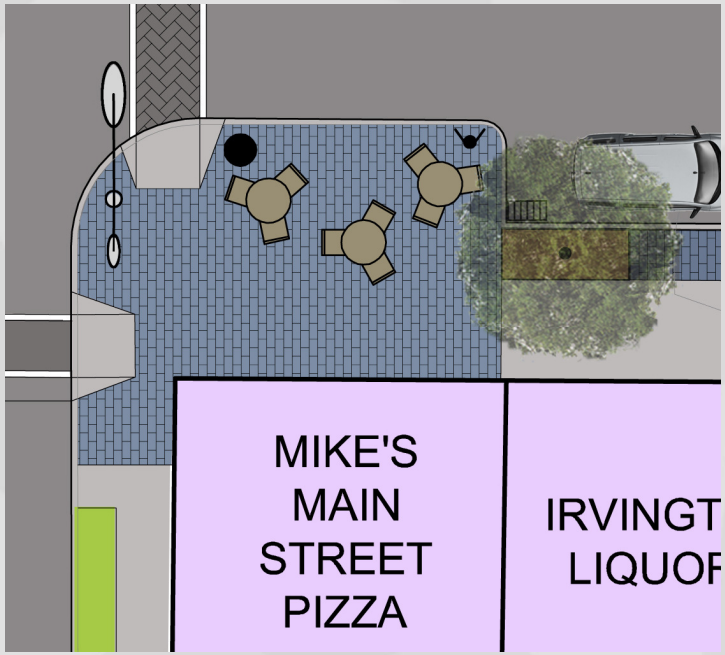
INTERSECTION OPTION: Standard trees, wires buried

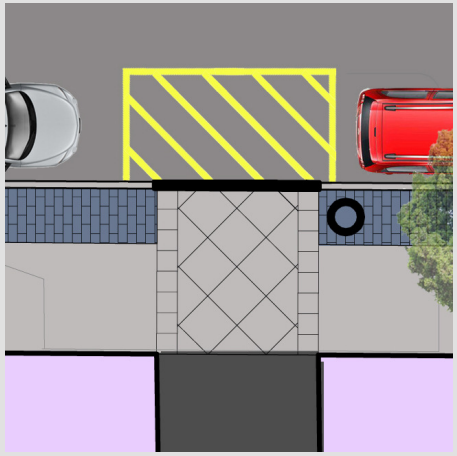


INTERSECTION OPTION: Standard trees, wires buried, & traffic calming sidewalk extensions.



PEDESTRIAN SAFTEY & EXPERIENCE ENHANCEMENTS





High visibility cross walks with ADA compliant ped ramps.

Distinctive pavers, space for tables and chairs.

Distinctive scoring pattern to indicate driveway crossing.

Recommendation:

11. Improve Main Street lighting.
    - Encourage community lighting, “community glow,”
    - Update 30’ ht street lights,
    - Add pedestrian level lighting, &
    - Consider the attractiveness of Main Street after 5 PM.

VERY DARK AFTER SUNDOWN

VERY DARK AFTER SUNDOWN

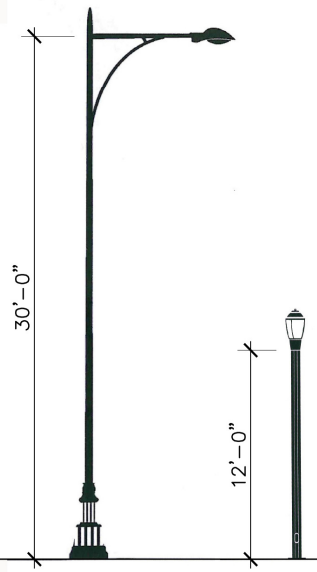
VERY DARK AFTER SUNDOWN

COMMUNITY GLOW

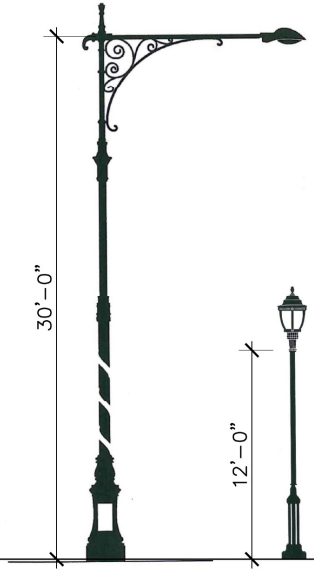
ENCOURAGE BUSINESSES TO LEAVE A LIGHTS ON UNTIL 9:30 PM.

POTENTIAL STREET LIGHTING IMPROVEMENTS

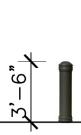
EXISTING STREET LIGHT: UTILITY POLE WITH ATTACHED COBRAHEAD LIGHT FIXTURE



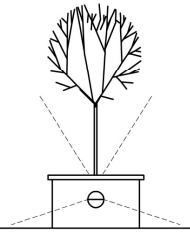
OPTION 'A':
STREET LIGHT: 'FLATBUSH AVENUE' POLE WITH HELM LIGHT FIXTURE
PEDESTRIAN LIGHT: 'WORLD'S FAIR' POLE & LIGHT FIXTURE



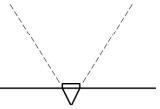
OPTION 'B':
STREET LIGHT: 'TYPE M' E POLE & LIGHT FIXTURE.
PEDESTRIAN LIGHT: 'TYPE B' POLE & LIGHT FIXTURE



LIGHT BOLLARD



PLANTER WITH SIDE WALL LIGHT & TREE UPLIGHT



UPLIGHT IN PAVEMENT OR TREEPIT

POTENTIAL STREET LIGHTING IMPROVEMENTS

Recommendation:

12. Enhance the Historic character of the designated Historic District.
    - Bury the wires,
    - Bury the wires,
    - Bury the wires,
    - Costly if you do,
    - Costly if you don't.

Behrens Block, historic image

Behrens Buildings, constructed 1905 to 1910

Source: IRVINGTON, THEN & NOW, Spikes & Leone

Beherns Block Existing

Beherns Block Trees in Planters under wires

Beherns Block, wires buried

Beherns Block, STANDARD STREET TREES & LIGHTING

Beherns Block Existing

EXISTING CONDITION

WIRES BURIED

Recommendation:

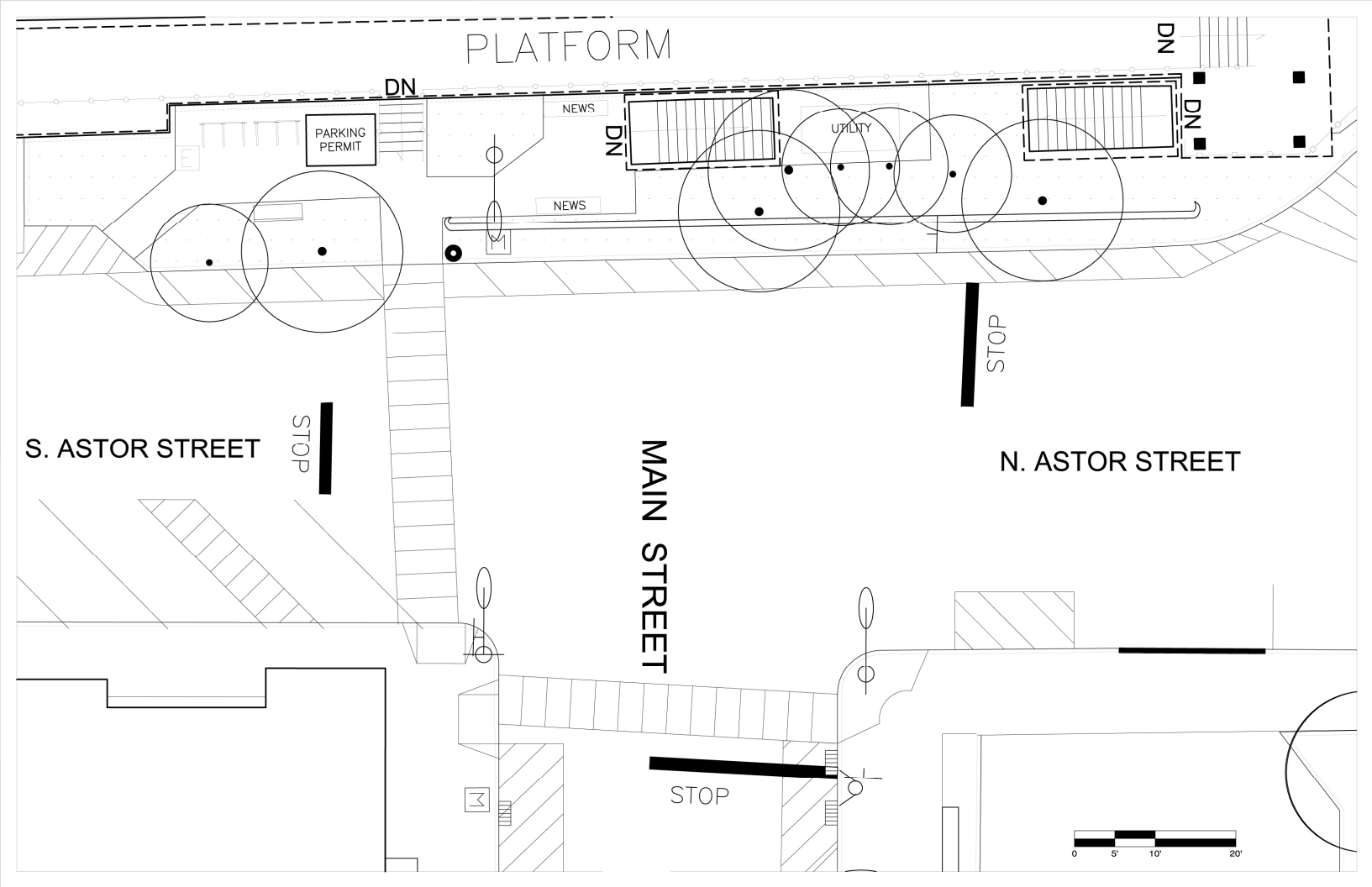
13. PLACE MAKING: Enhance social interaction, welcome visitors & stimulate local business.

POTENTIAL SOCIAL SPACES / MINI PARKS

- Broadway bus stop (Broadway Gateway)
- OCA trail intersection
- School hillside next to Village Hall
- Side yard of recreation center
- Sidewalk extensions
- Astor Street Gateway

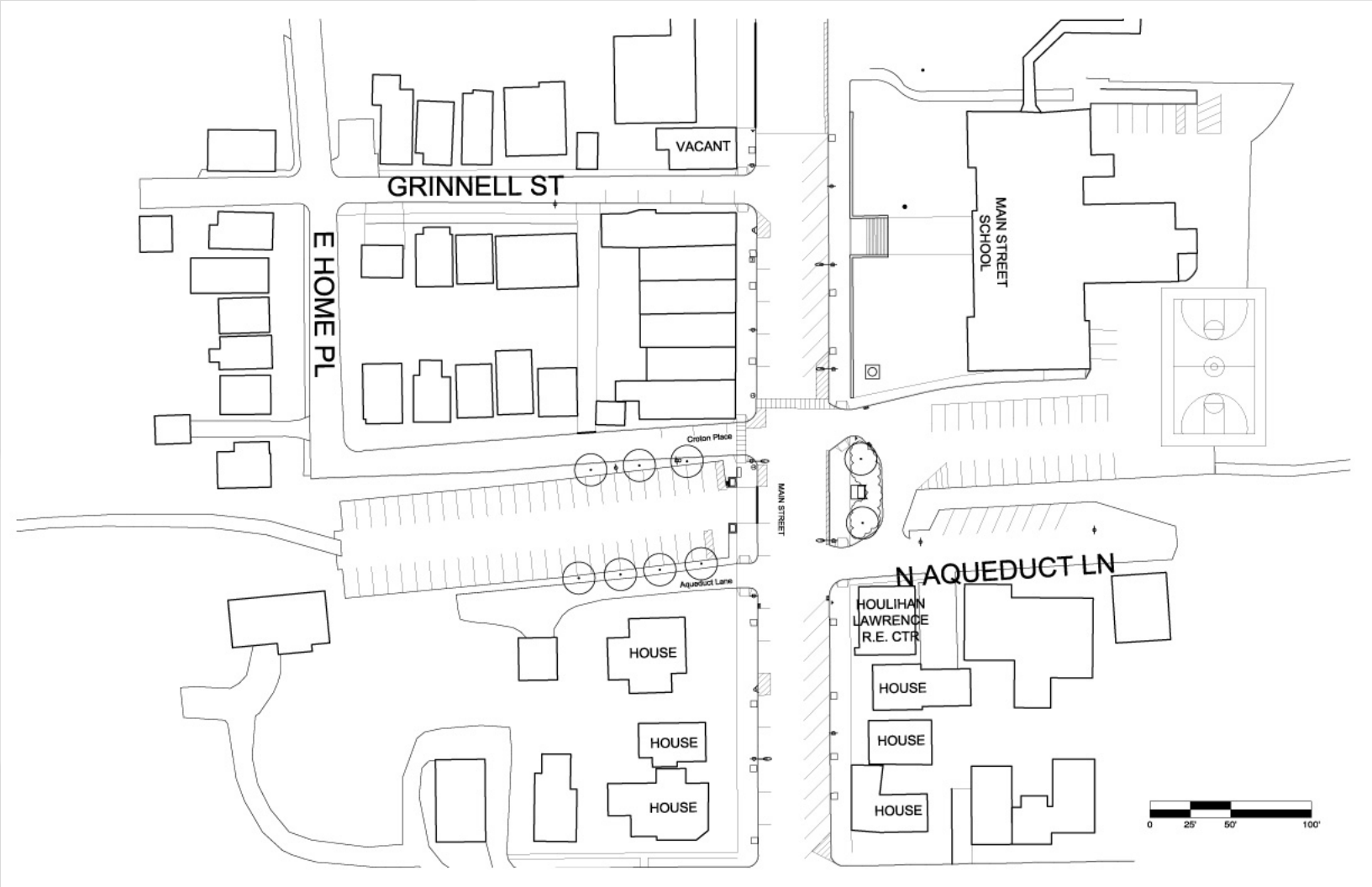
POTENTIAL SOCIAL SPACES / MINI PARKS

ASTOR STREET: EXISTING

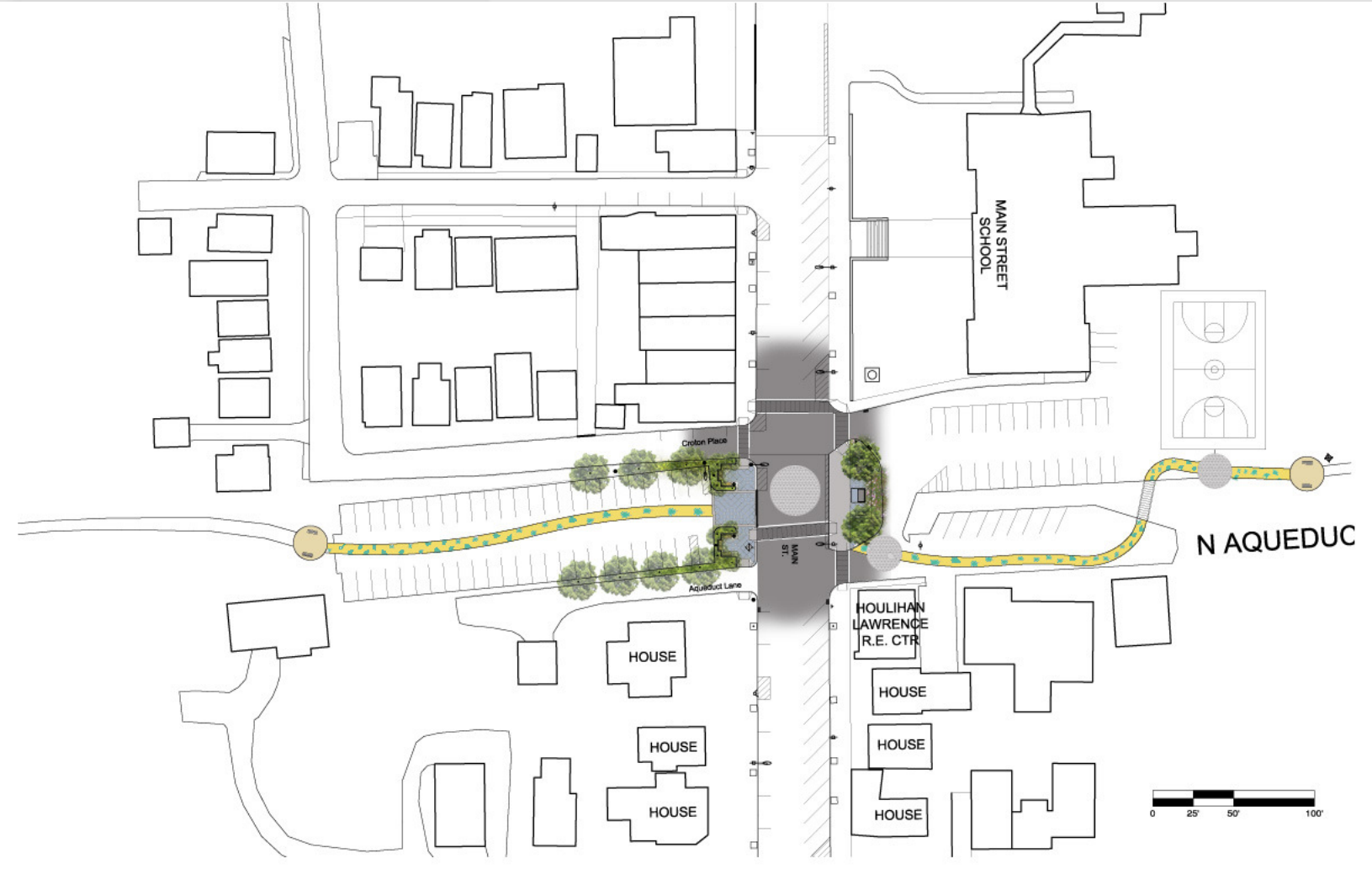


ASTOR STREET GATEWAY: PROPOSED

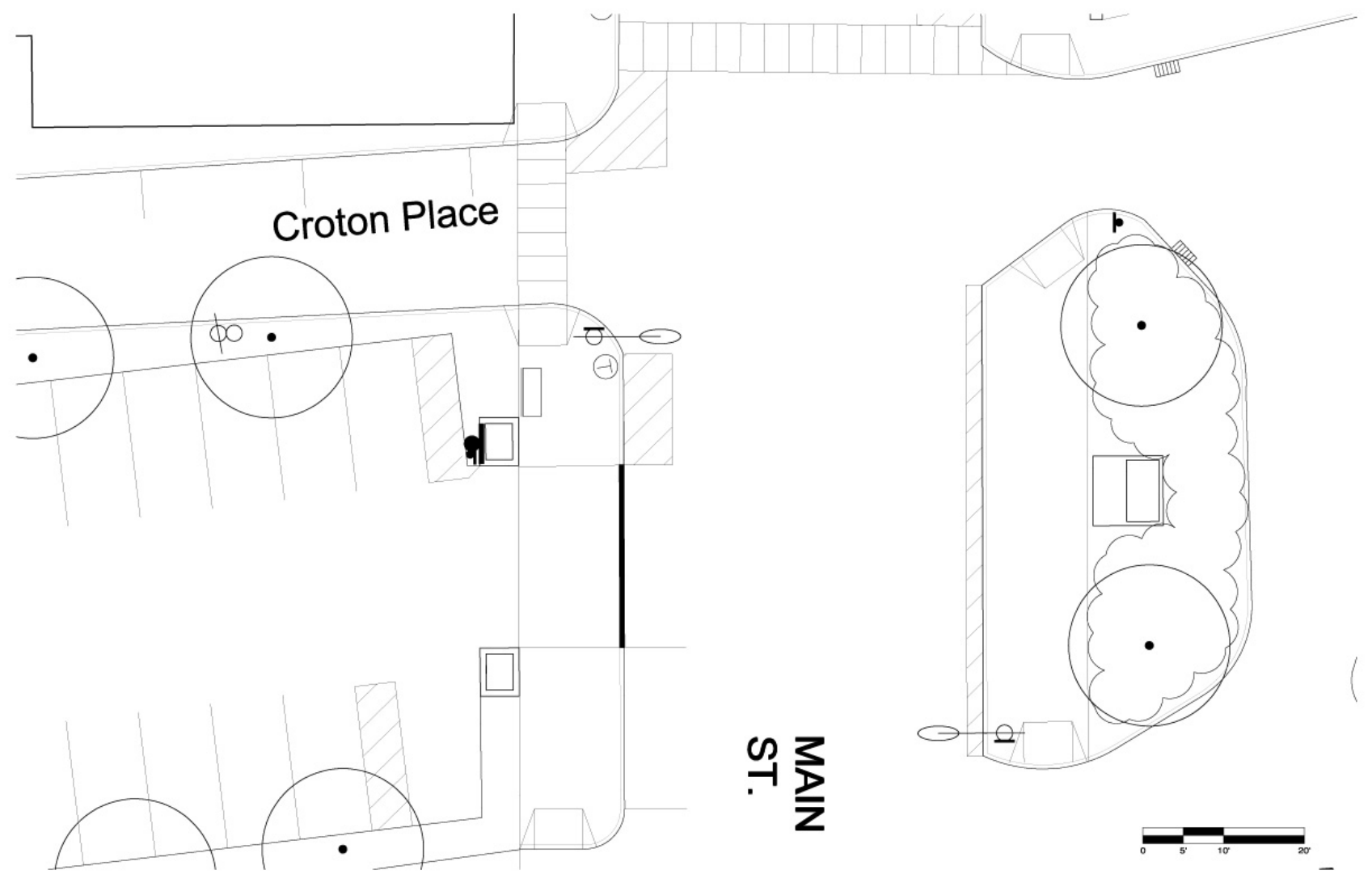
OCA TRAIL: EXISTING



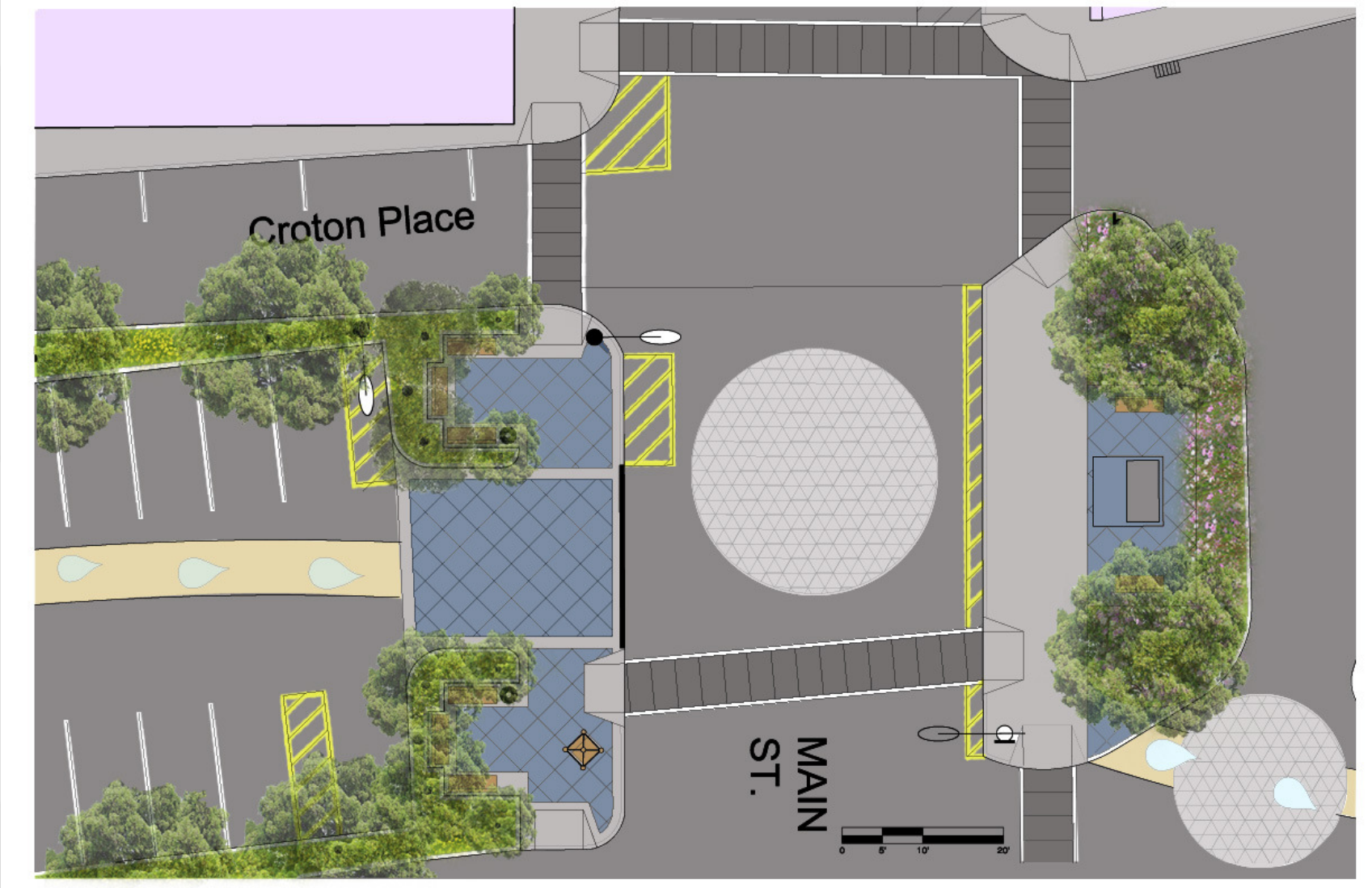
OCA INTERSECTION: PROPOSED



AQUADUCT INTERSECTION: EXISTING



AQUADUCT INTERSECTION: PROPOSED



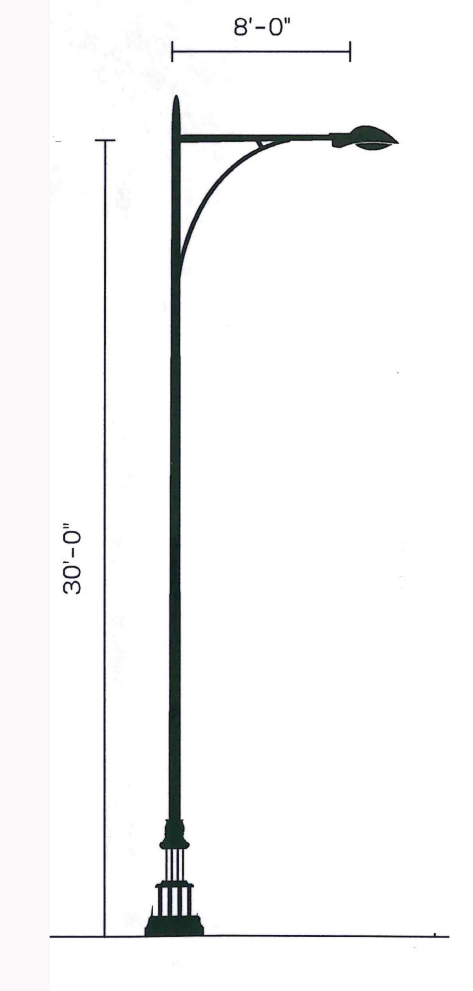
Recommendation:

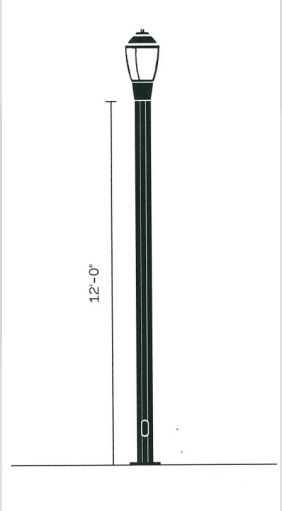
14. Establish a palette of site furnishings that reinforces and promotes Irvington's character / image.

EXISTING STREET FURNITURE

EXISTING STREET FURNITURE

STREET FURNISHINGS: FAMILY A



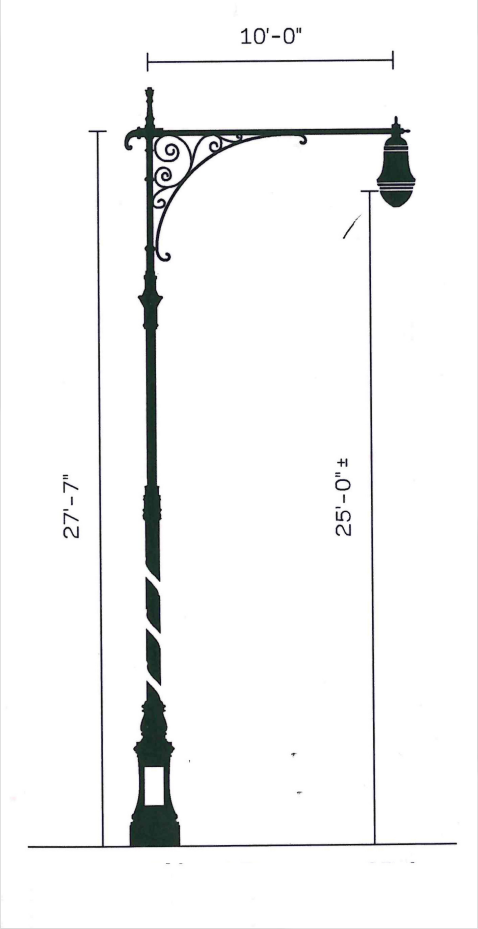


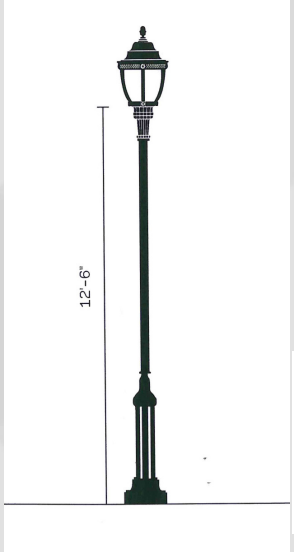
DuMor 58

STREET FURNISHINGS: FAMILY A

DuMor 58

STREET FURNISHINGS: FAMILY B



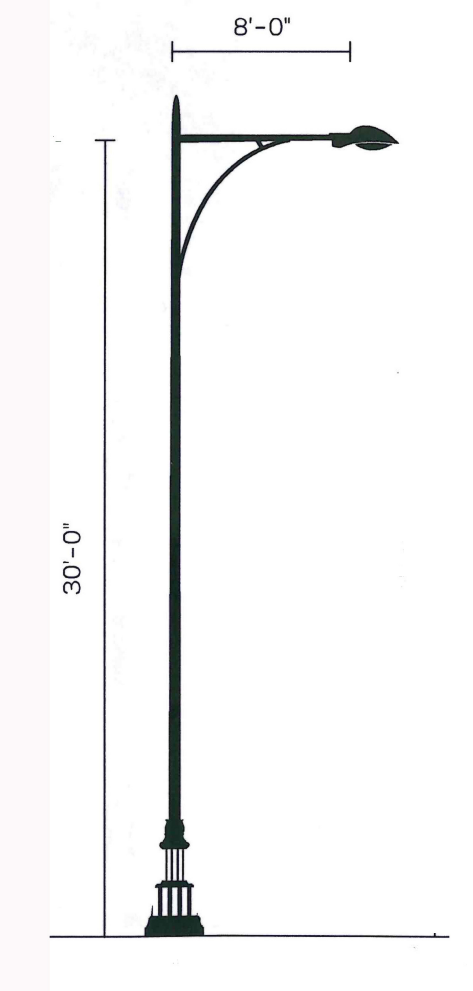


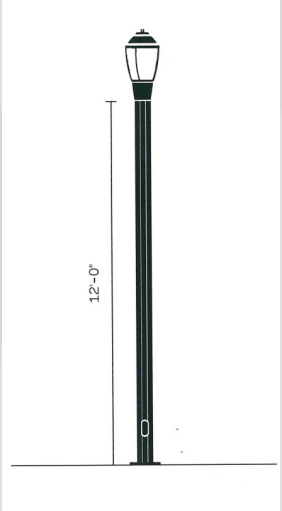
PLAINSWELL –WOOD SLATS

STREET FURNISHINGS: FAMILY B

PLAINSWELL –WOOD SLATS

STREET FURNISHINGS: FAMILY C





World's Fair Bench

Hoof Bench

STREET FURNISHINGS: FAMILY C

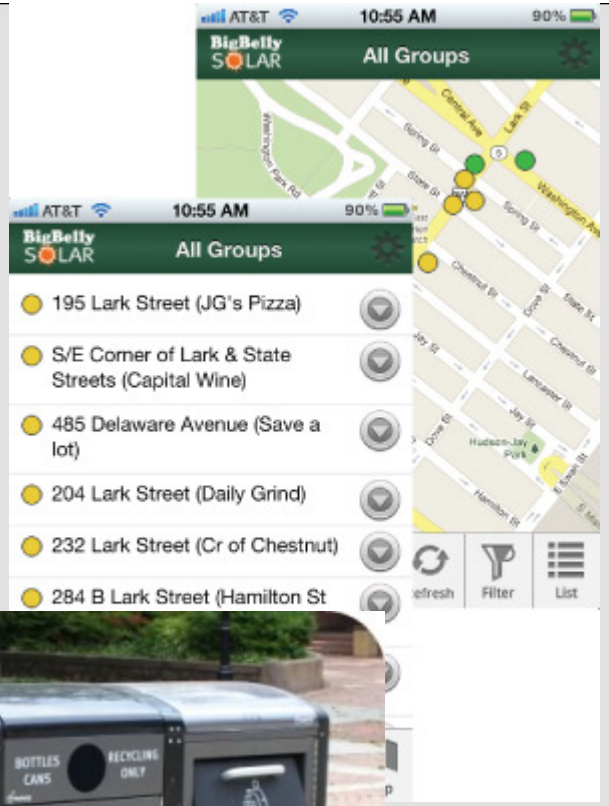
Hoof Bench

RECYCLING OPTIONS

Retrofit

Intelligent

Solar Compactor



Double up

RECYCLING BIN LOCATIONS:

- RAIL ROAD STATION
- LIBRARY
- MAIN STREET SCHOOL
- BUS STOP
- POST OFFICE

TRASH LOCATIONS:

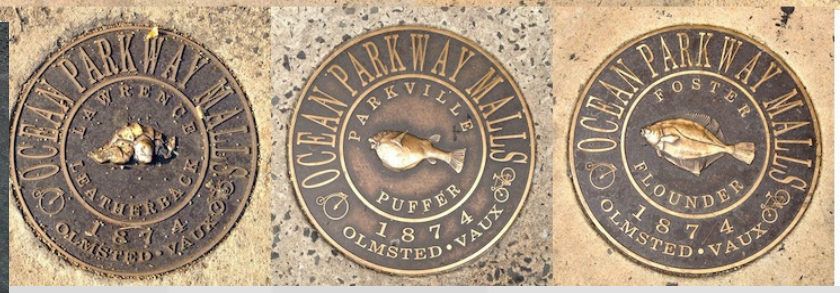
- RAIL ROAD STATION
- LIBRARY
- VILLAGE HALL
- MAIN STREET SCHOOL
- BUS STOP
- ONE AT EACH INTERSECTION, ALTERNATING CORNERS (9)

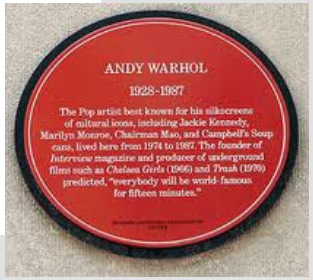
Recommendation:

15. Improve wayfinding.
16. Interpret Irvington Historic past.

SIGNS / ART THAT TELLS A STORY

SIGNS WITH WORDS



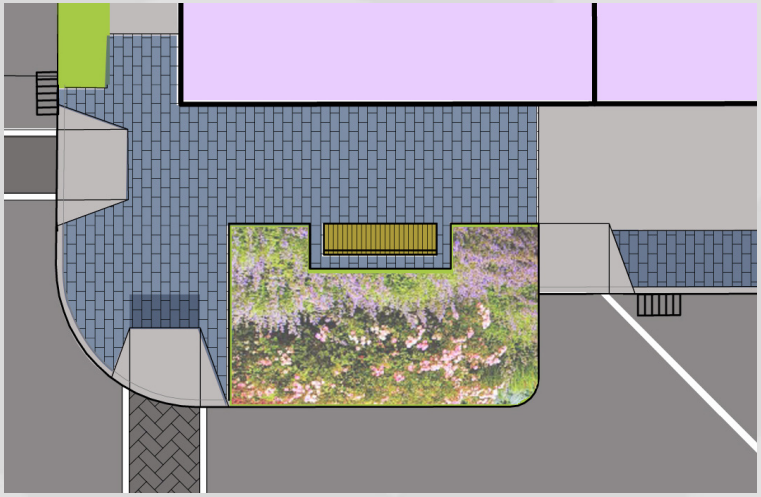


OBJECTIVES FOR SIGN PROGRAM

Recommendation:

17. Rethink stormwater management.
18. Capture stormwater for use in irrigating street trees and infiltration.

EXPLORING OPTIONS FOR IMPROVING RAIN INFILTRATION



-AT SIDEWALK EXTENSIONS

-AT PARKING LOTS

-ALONG GUTTER LINE

Recommendation:

19. Locate Village employee and proprietor parking off of Main Street.
20. Identify potential future parking off of Main Street.

QUESTIONS & COMMENTS

voi.mainst.mp@gmail.com