

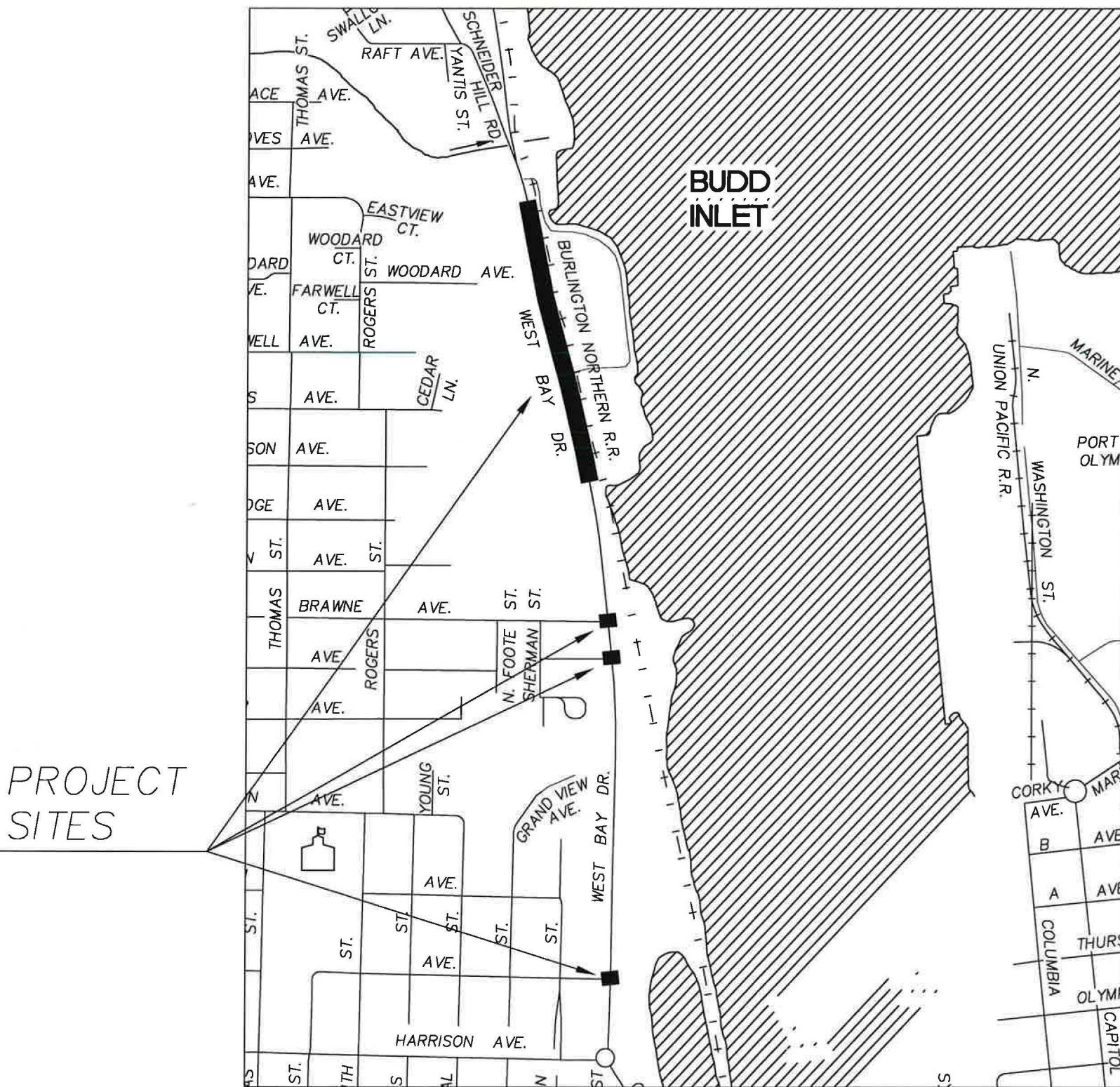


Parks & Pathways  
Connecting People,  
Places & Community Spaces

# City of Olympia

## WEST BAY SIDEWALK

Project Number 1034G



PROJECT  
SITES

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NOT TO SCALE

### GENERAL NOTES:

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" FROM THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS, ASSOCIATION, WASHINGTON STATE CHAPTER, ENGLISH 2014 VERSION, THE CITY OF OLYMPIA SUPPLEMENTAL SPECIFICATION AND THE CONTRACT SPECIFICATIONS AND SPECIAL PROVISIONS.
2. UNLESS NOTED OTHERWISE, UTILITIES SHOWN ON THE PLAN AND PROFILE ARE EXISTING, AND ARE LOCATED TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PRINTING. THE CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION AND TAKE EXTRAORDINARY CARE WHEN EXCAVATING NEAR OR AROUND UTILITY CROSSINGS INCLUDING "HAND" EXCAVATION AND POT HOLE. IN THE EVENT OF A CONFLICT, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE PRIVATE UTILITY TO RAISE, RELOCATE, OR LOWER THE CONFLICTING APPURTENANCES. THE CONTRACTOR SHALL CALL FOR UTILITY LOCATE (1-800-424-5555), A MINIMUM OF 48 HOURS (2 BUSINESS DAYS) PRIOR TO DIGGING.
3. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE "DRAINAGE DESIGN AND EROSION CONTROL MANUAL FOR OLYMPIA" (DRAINAGE MANUAL).
4. FILTER FABRIC, COMPOST BERM, STRAW AND OTHER APPROVED EROSION CONTROL METHODS SHALL BE USED TO KEEP SEDIMENTS FROM REACHING THE STORM DRAINAGE SYSTEM AND ADJOINING PROPERTIES. FILTER FABRIC, STRAW OR OTHER APPROVED METHOD SHALL BE USED TO STABILIZE EXPOSED SOIL.
5. CONSTRUCTION WASTE DUMPING SHALL NOT BE ALLOWED TO ENTER THE STORM DRAINAGE OR SANITARY SEWER SYSTEMS. AN AGREED UPON STAGING LOCATION SHALL BE ESTABLISHED FOR STOCK PILES AND CONCRETE CHUTE WASH DOWNS. CONTRACTOR SHALL BE PREPARED TO COVER CONSTRUCTION AREA TO PREVENT RUNOFF DURING RAINS. CONTRACTOR SHALL TEMPORARILY INSTALL CATCH BASIN INSERTS TO FILTER RUNOFF; FILTER FABRIC AND/OR GRAVEL FILTERS OVER GRATES WILL NOT BE ALLOWED. AREA SHALL BE CLEANED AND RETURNED TO PRE-CONSTRUCTION CONDITIONS AFTER CONSTRUCTION COMPLETION.
6. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITIES WHEN EXCAVATING NEAR FIBER OPTIC, TELEPHONE LINES, GAS LINES AND POWER POLES.
7. CONTRACTOR SHALL PROTECT ALL TREES AND VEGETATION THAT ARE NOT TO BE REMOVED AS DIRECTED BY THE ENGINEER.
8. ALL DRAINAGE STRUCTURES, SANITARY MANHOLES, WATER METERS, WATER VALVES OR OTHER APPURTENANCES SHALL BE ADJUSTED TO FINAL GRADE BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS.
9. CONTRACTOR SHALL MAINTAIN FUNCTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION.

10. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING SIDEWALK AND ROAD SURFACES OUTSIDE OF THE PROJECT LIMITS. ALL DAMAGE OR UNDERMINING SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY REPAIR TO CITY STANDARDS AT THE CONTRACTOR'S EXPENSE.
11. ALL EXISTING SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER.
12. ACCESS TO PRIVATE PROPERTY SHALL BE MAINTAINED AT ALL TIMES UNLESS PRIOR APPROVAL AND COORDINATION HAS OCCURRED.
13. ALL DISTURBED AREAS SHALL BE REPAIRED TO MATCH PRE-CONSTRUCTION CONDITIONS. MAXIMUM PAY WIDTH FOR ALL RESTORATION AREAS SHALL BE 3 FEET OUTSIDE OF RIGHT-OF-WAY UNLESS OTHERWISE APPROVED BY THE ENGINEER.

### CONSTRUCTION NOTES:

1. EXISTING WATERMAINS AND SERVICES SHALL REMAIN IN SERVICE UNTIL NEW PIPE IS SUCCESSFULLY CONNECTED, TESTED AND DISINFECTED AS SPECIFIED IN SPECIFICATIONS, SECTION 7-09.
2. EXISTING WATERMAINS AND SERVICES THAT ARE BEING REPLACED SHALL BE ABANDONED AFTER NEW LINES ARE OPERATIONAL AS DETERMINED BY THE ENGINEER.
3. ALL EXISTING WATER METER READING TOUCH PADS ON EXISTING BOXES SHALL BE REMOVED AND REINSTALLED ON NEW BOXES.
4. ALL EXISTING WATER METERS TO BE REPLACED. ALL SALVAGED METERS THAT ARE REMOVED SHALL BE SALVAGED TO THE CITY OF OLYMPIA'S MAINTENANCE BUILDING.
5. ANY EXCAVATION THAT EXPOSES AN ASBESTOS CEMENT WATER MAIN SHALL BE BEDDED WITH CONTROLLED DENSITY FILL (CDF) PURSUANT TO THE WSDOT SPECIFICATIONS FOR CDF.
6. GAS LINES ARE SHOWN IN APPROXIMATE LOCATION. CONTRACTOR SHALL CALL A MINIMUM OF 2 BUSINESS DAYS (48 HOURS) FOR LOCATES PRIOR TO CONSTRUCTION.
7. ANY EXCAVATION THAT EXPOSES EXISTING UTILITIES SHALL REQUIRE THAT THOSE EXPOSED UTILITIES BE SUPPORTED UNTIL BACKFILL (INCLUDING COMPACTION) IS COMPLETED.

### ENVIRONMENTAL NOTES:

1. NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW A DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL OF THE STATE OF WASHINGTON, DEPARTMENT OF ECOLOGY.

### SHEET INDEX

CITY PLAN SHEET NUMBER	SHEET TITLES	CONSULTANT REFERENCE NUMBER
1	VICINITY MAP AND GENERAL NOTES	
2	LEGEND	
3 to 5	GRADING PLAN AND DEMO SHEETS	
6	TREE INVENTORY	T-1
7 to 11	TREE PROTECTION	T-2 to T-6
12 to 16	STORM SHEETS	
17 to 18	WALL NOTES AND DETAILS	
19 to 22	SHORING PLAN AND DETAILS	1 of 4 to 4 of 4
23 to 25	CEMENT CONC SIDEWALK AND PLANTING SHEETS	
26 to 27	RESTORATION	
28 to 33	PLANTING PLAN	T7 to T12
34	DETAILS	T13



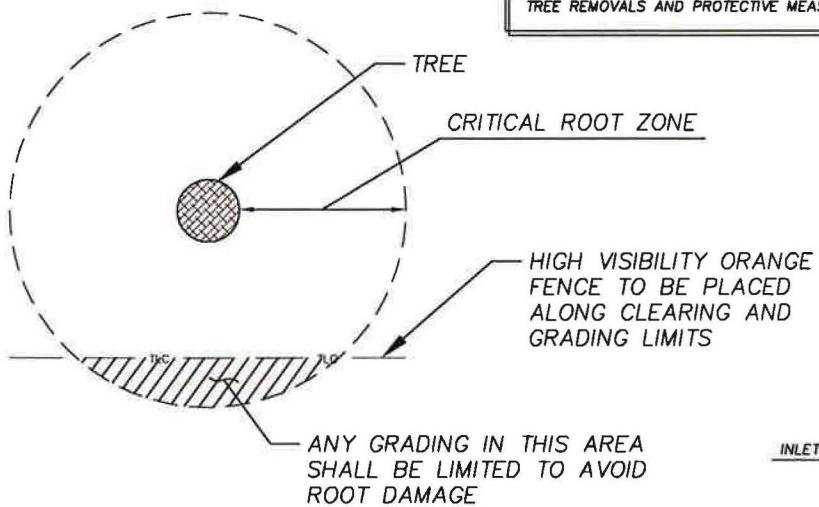
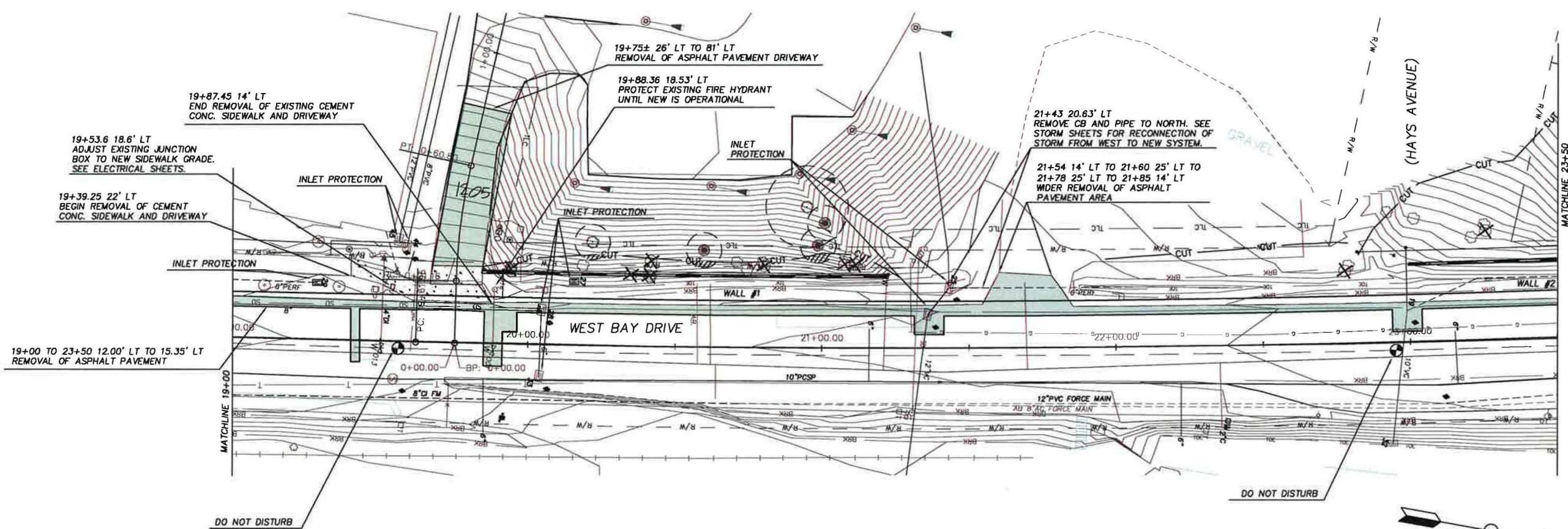
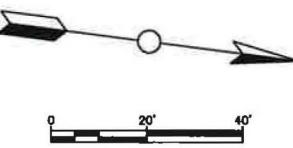
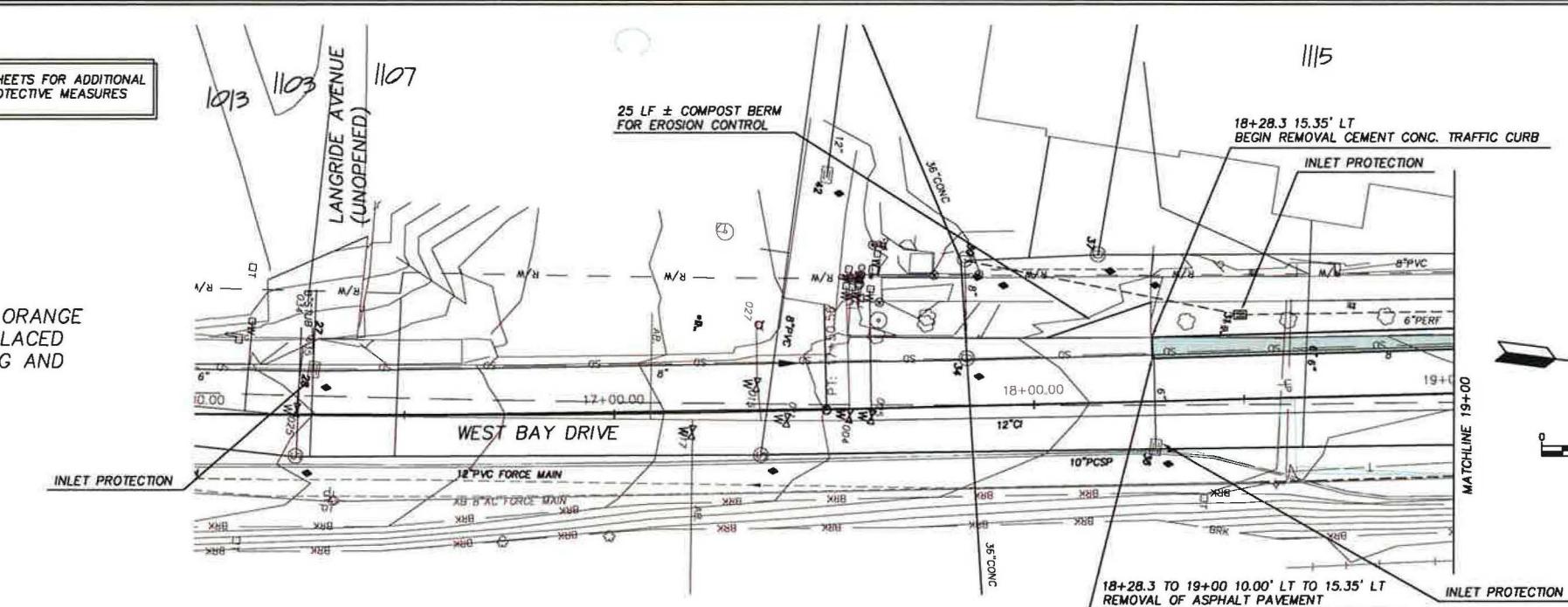
CITY OF OLYMPIA  
WEST BAY SIDEWALK

VICINITY MAP AND GENERAL NOTES

REVISIONS

NO. DATE BY APPR	
ENGINEER	CWA
DESIGNED	CWA/JDE
DRAWN	JDE
APPROVED	SPS
PROJECT NO.	1034G
DATE	03/2014
DRAWING NAME	1034G Cover
SHEET 1 OF	




TREE PROTECTION DETAIL


SEE TREE PROTECTION SHEETS FOR ADDITIONAL TREE REMOVALS AND PROTECTIVE MEASURES

LEGEND:

-  APPROXIMATE ASPHALT REMOVAL
-  EXISTING CONCRETE
-  TREE WITH PROTECTION FENCING (SEE DETAIL)
-  TREE/VEGETATION TO BE REMOVED
-  HIGH VISIBILITY ORANGE CLEARING LIMITS FENCING
-  GRADE REDUCTION TO PROVIDE SLOPE STABILITY

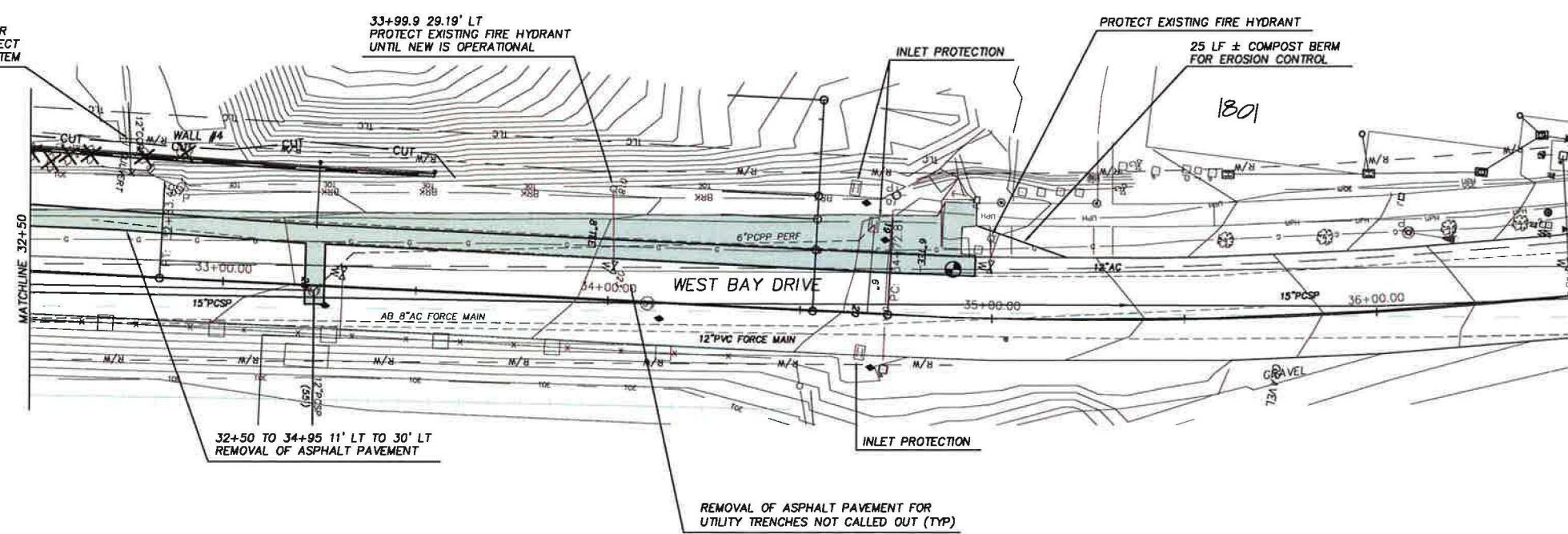
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DRAWN	JOE	
APPROVED	SPS	
PROJECT NO.	1034G	
DATE	03/2014	
DRAWING NAME	1034G Demo	
SHEET	3	OF



REMOVE PIPE AS NEEDED FOR  
IMPROVEMENTS AND RECONNECT  
TO NEW TO WALL DRAIN SYSTEM

33+99.9 29.19' LT  
PROTECT EXISTING FIRE HYDRANT  
UNTIL NEW IS OPERATIONAL

PROTECT EXISTING FIRE HYDRANT  
25 LF ± COMPOST BERM  
FOR EROSION CONTROL



SEE TREE PROTECTION SHEETS FOR ADDITIONAL  
TREE REMOVALS AND PROTECTIVE MEASURES

LEGEND:

■ APPROXIMATE ASPHALT REMOVAL

■ EXISTING CONCRETE

○ TREE WITH PROTECTION FENCING (SEE DETAIL)

✗ TREE/VEGETATION TO BE REMOVED

— TLC — HIGH VISIBILITY ORANGE CLEARING LIMITS FENCING

▨ GRADE REDUCTION TO PROVIDE SLOPE STABILITY

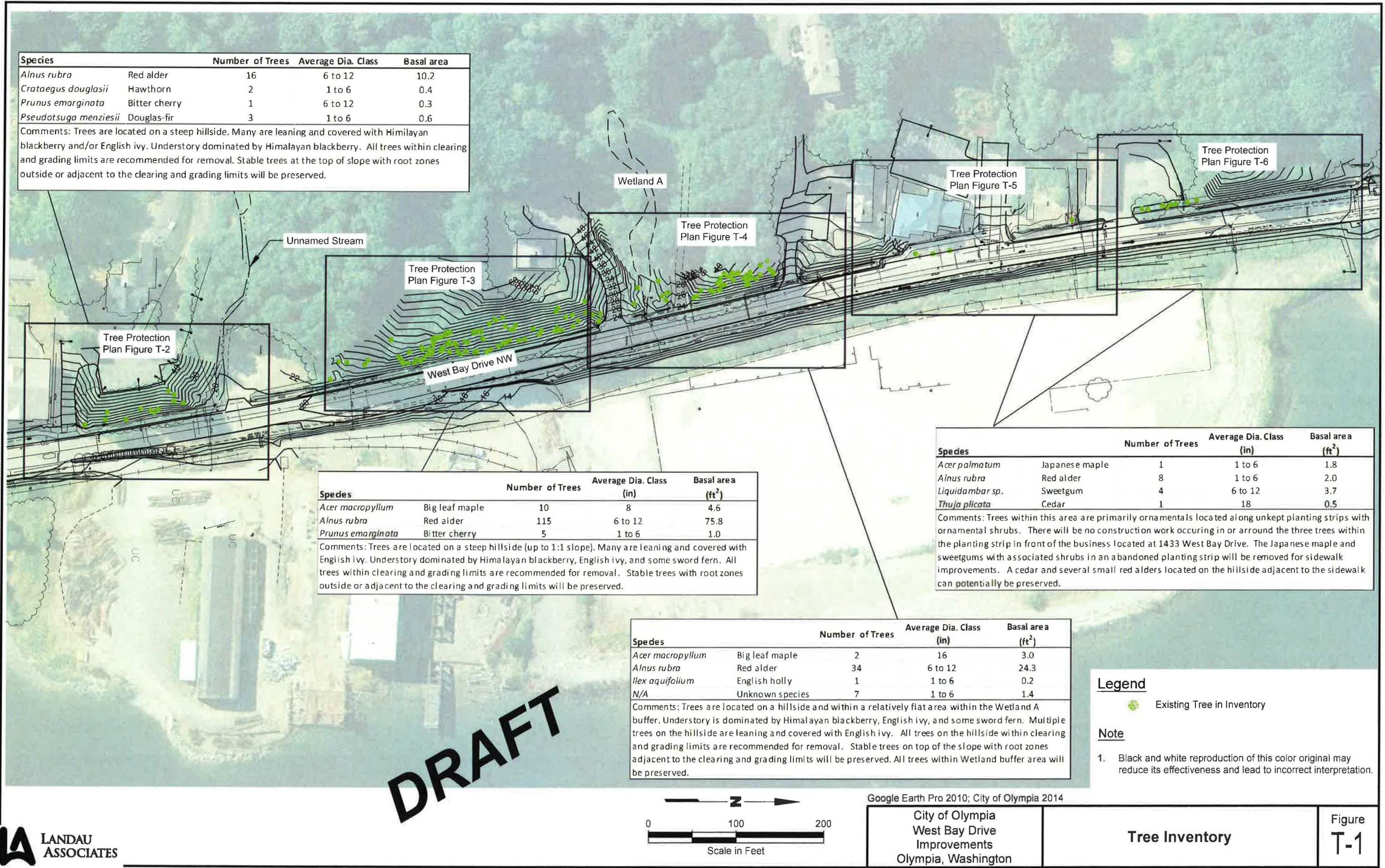
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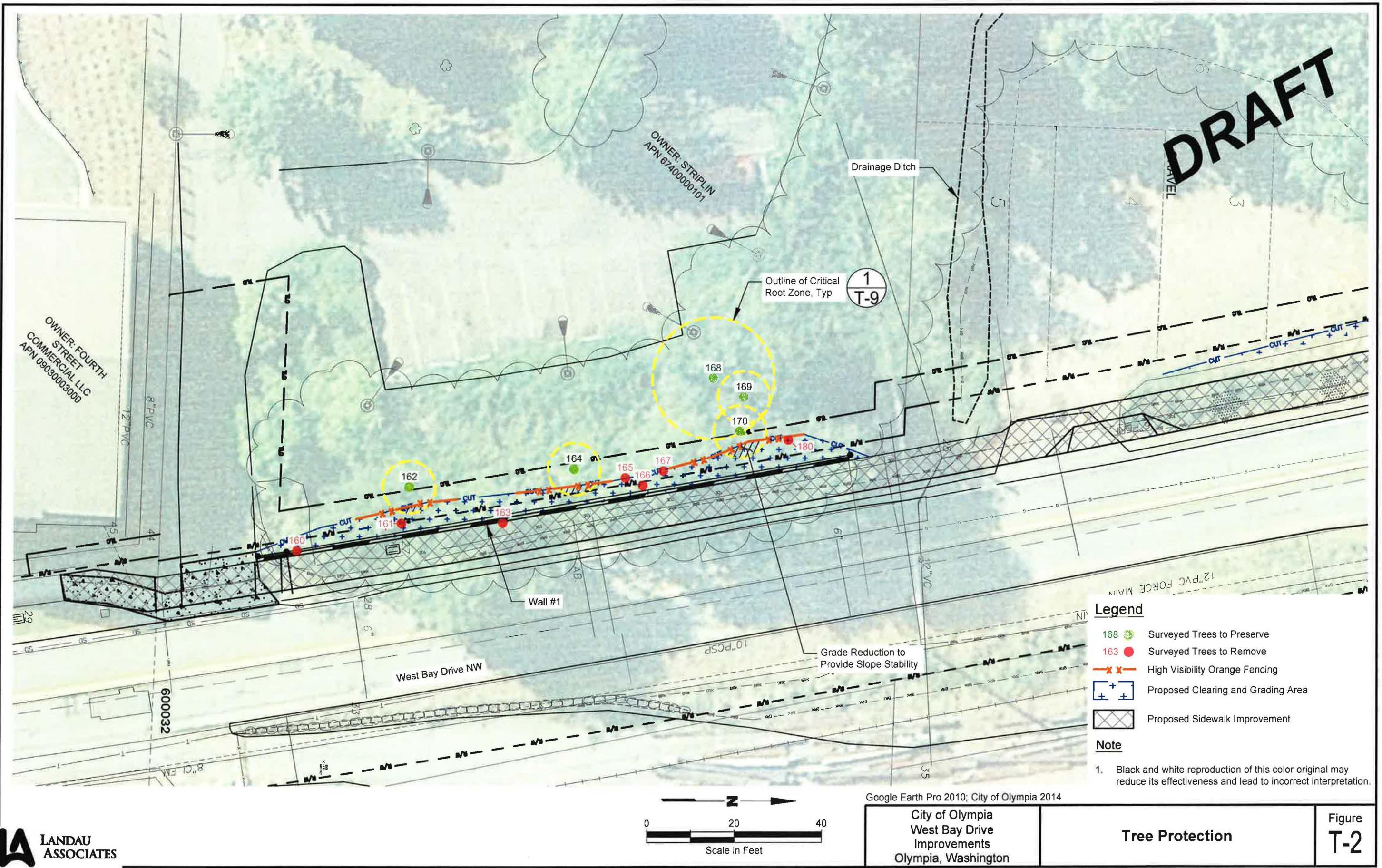
GRADING AND DEMOLITION SHEET

WEST BAY SIDEWALK

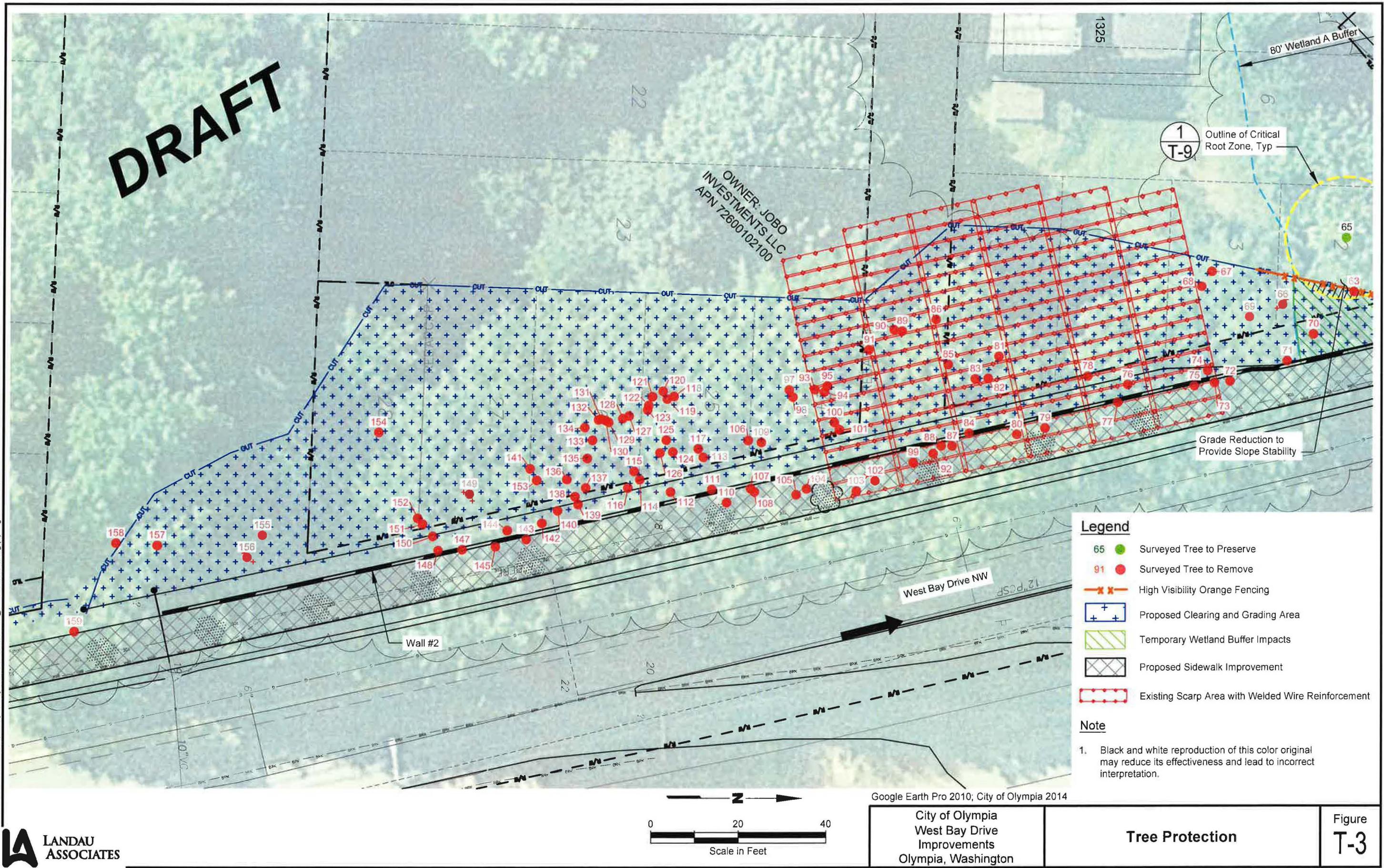
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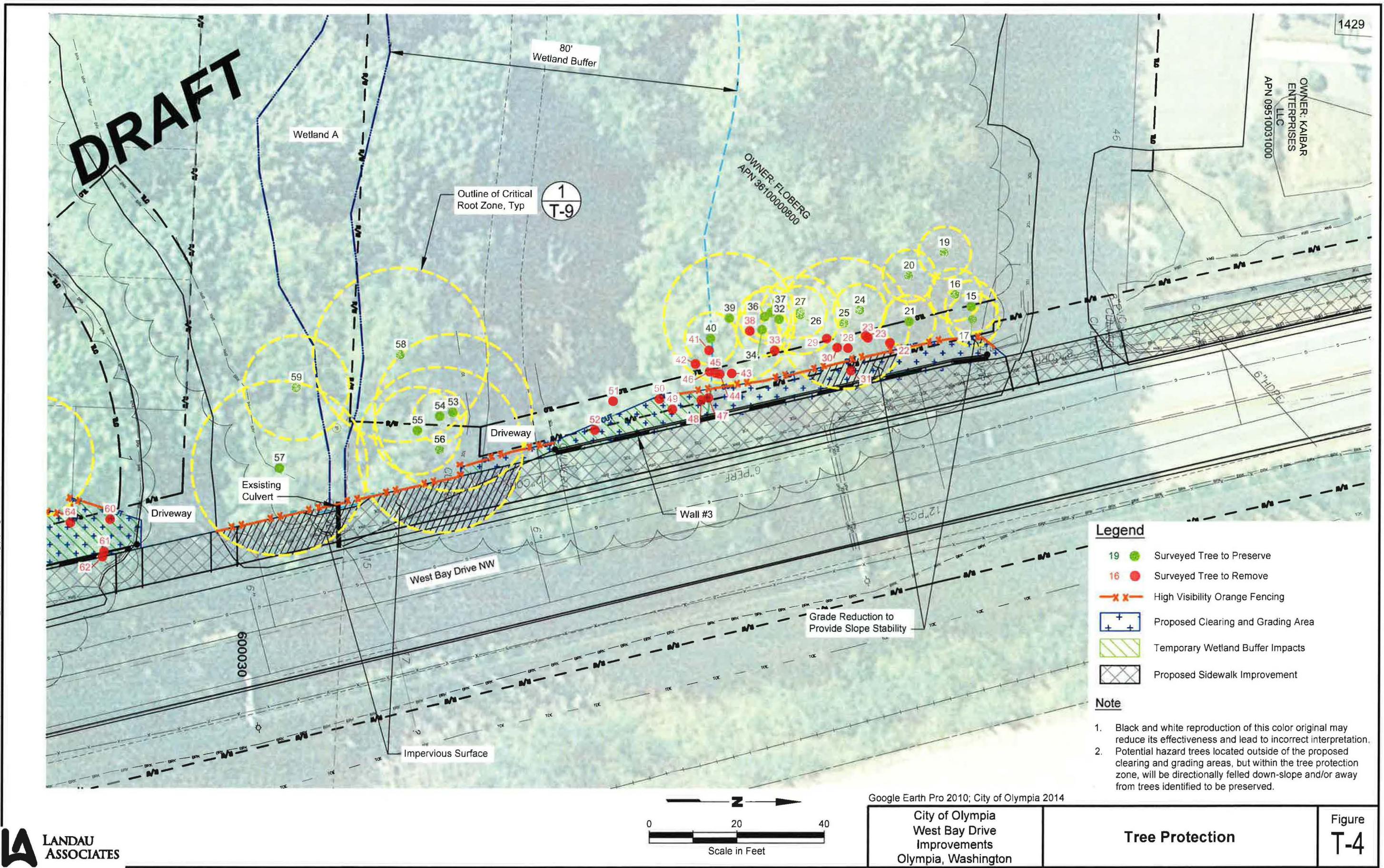
NO.	DATE	BY	APPR
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DRAWN	JDE		
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PROJECT NO.	1034G		
DATE	03/2014		
DRAWING NAME	1034G Demo		
SHEET	5	OF	

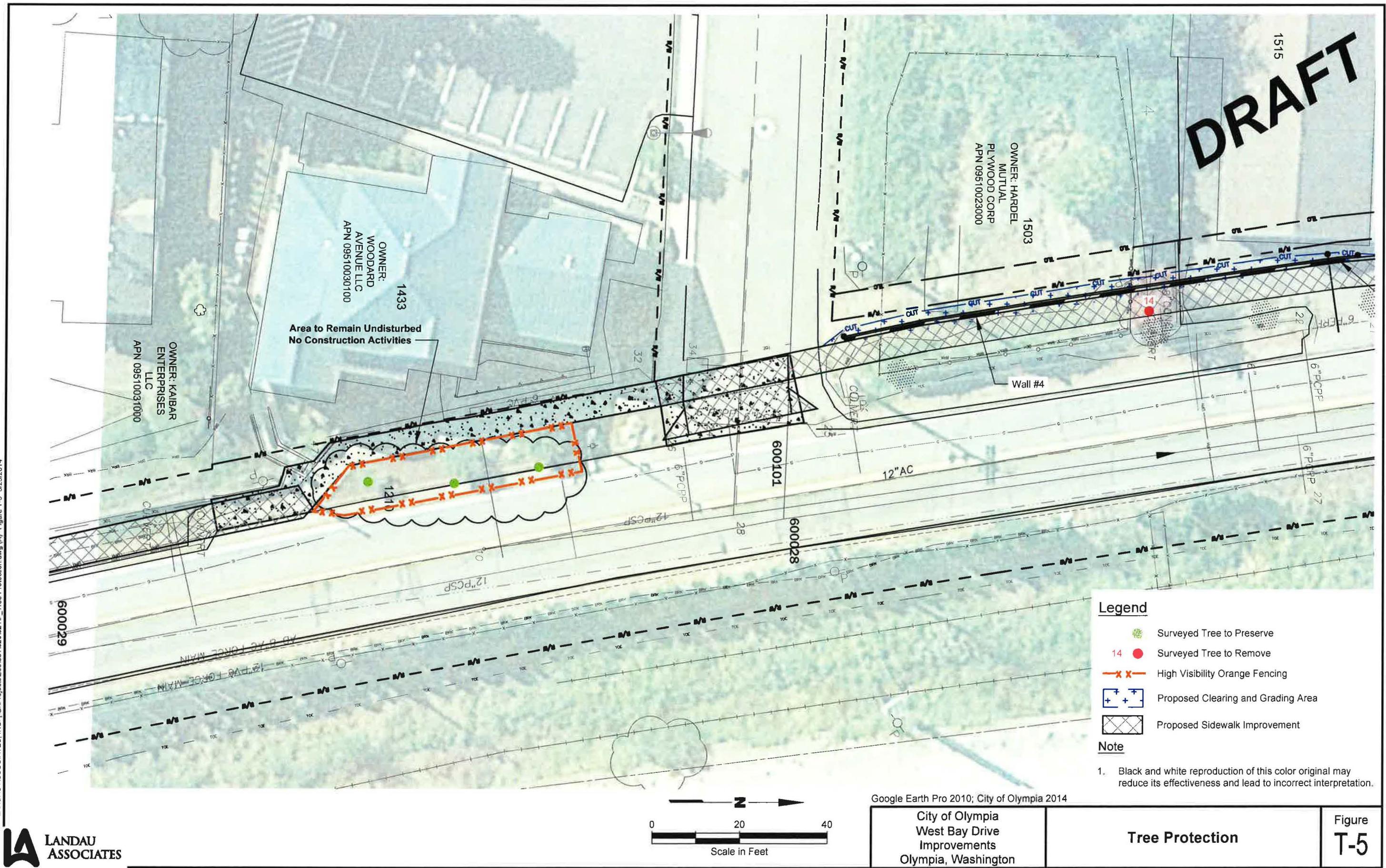


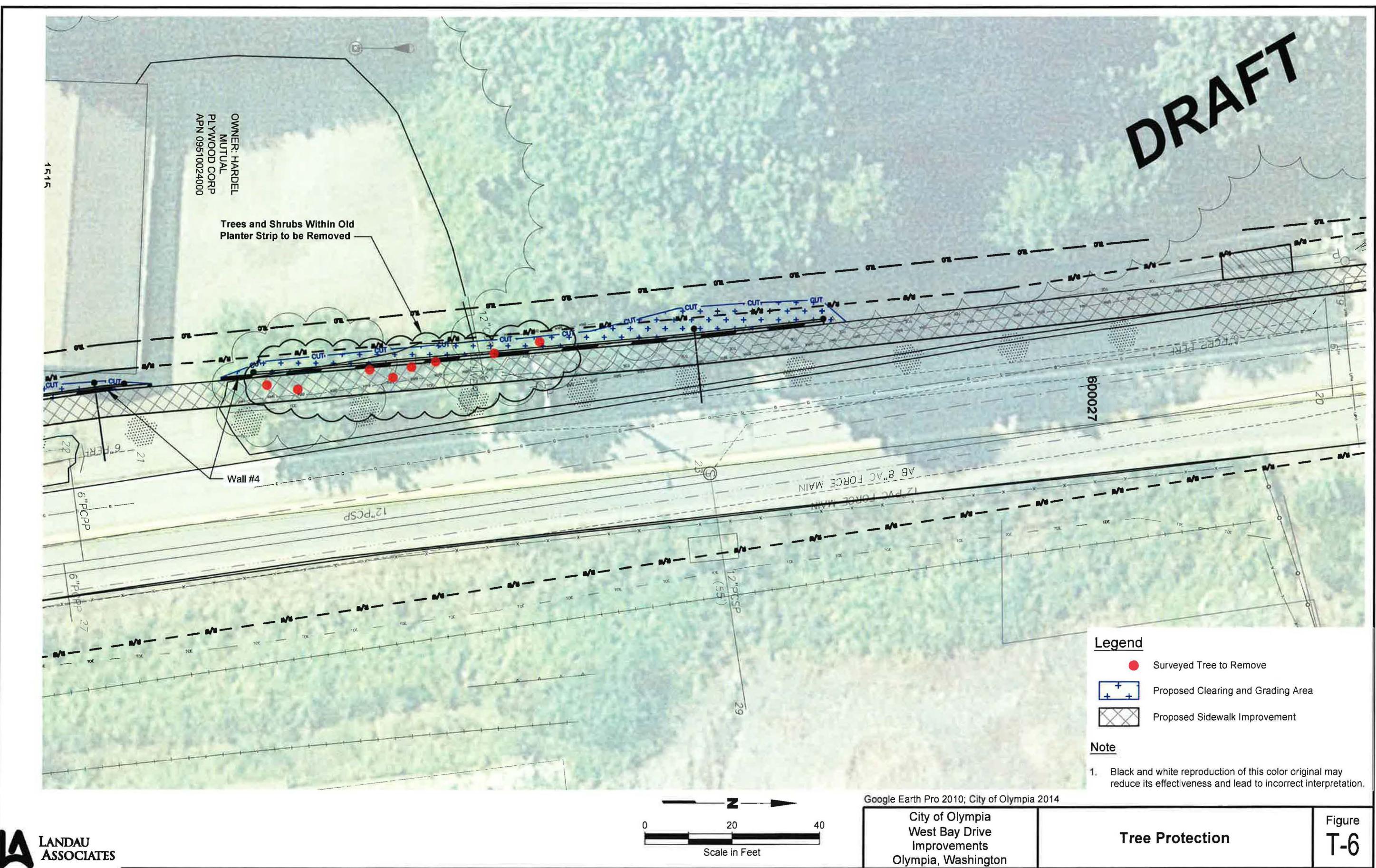


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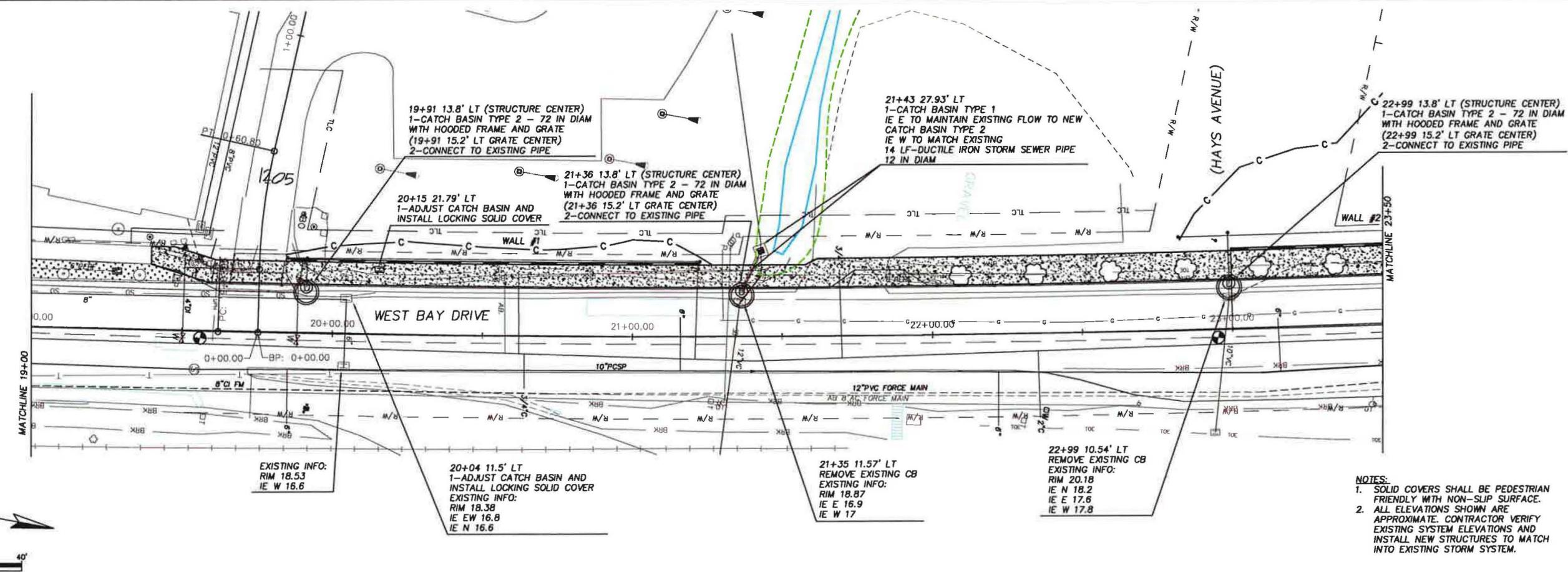




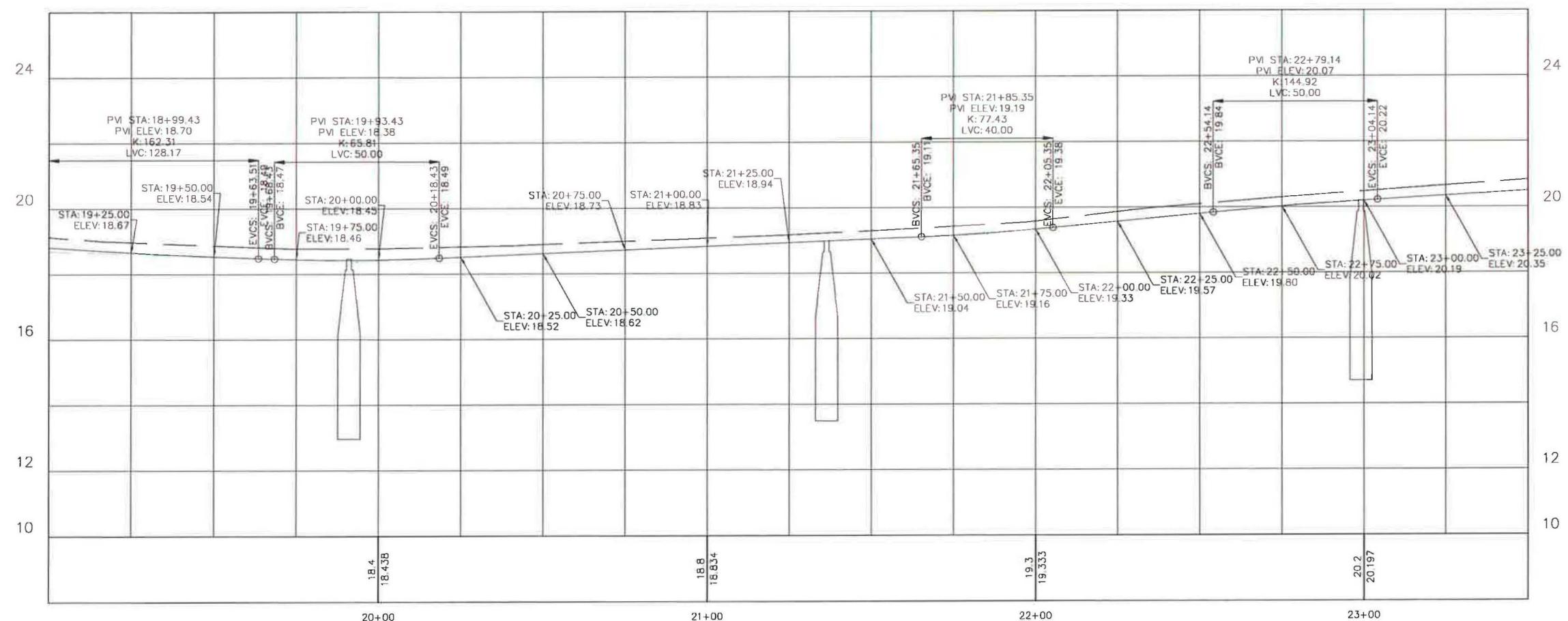
CITY OF OLYMPIA

WEST BAY SIDEWALK

STORM SHEET

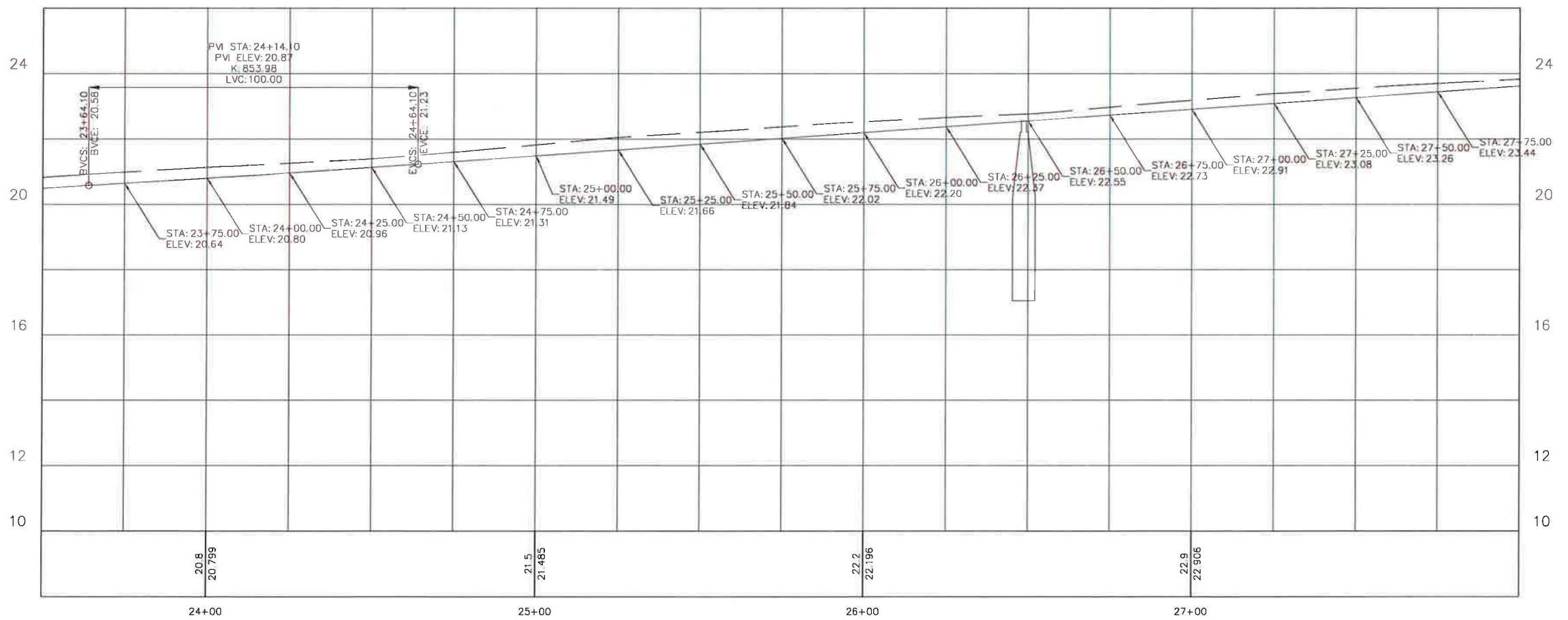


West\_Bay\_CL PROFILE



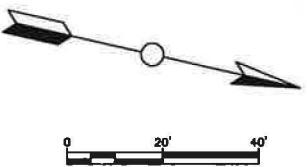


## West\_Bay\_CL PROFILE



NOTES:

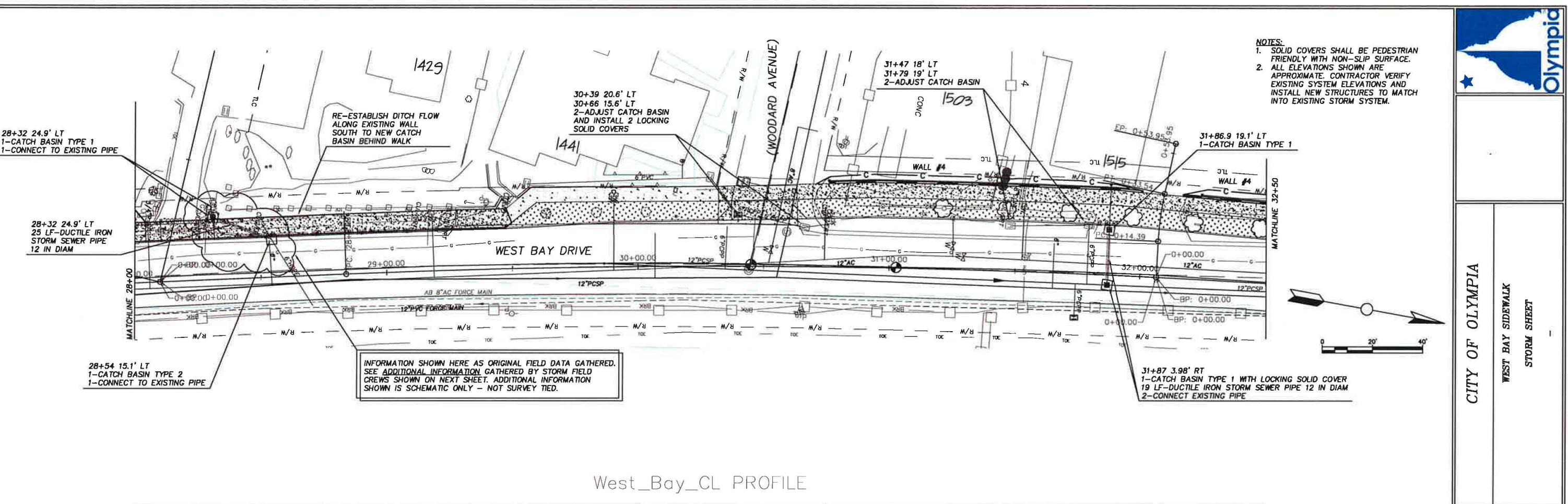
1. SOLID COVERS SHALL BE PEDESTRIAN FRIENDLY WITH NON-SLIP SURFACE.
2. ALL ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR VERIFY EXISTING SYSTEM ELEVATIONS AND INSTALL NEW STRUCTURES TO MATCH INTO EXISTING STORM SYSTEM.



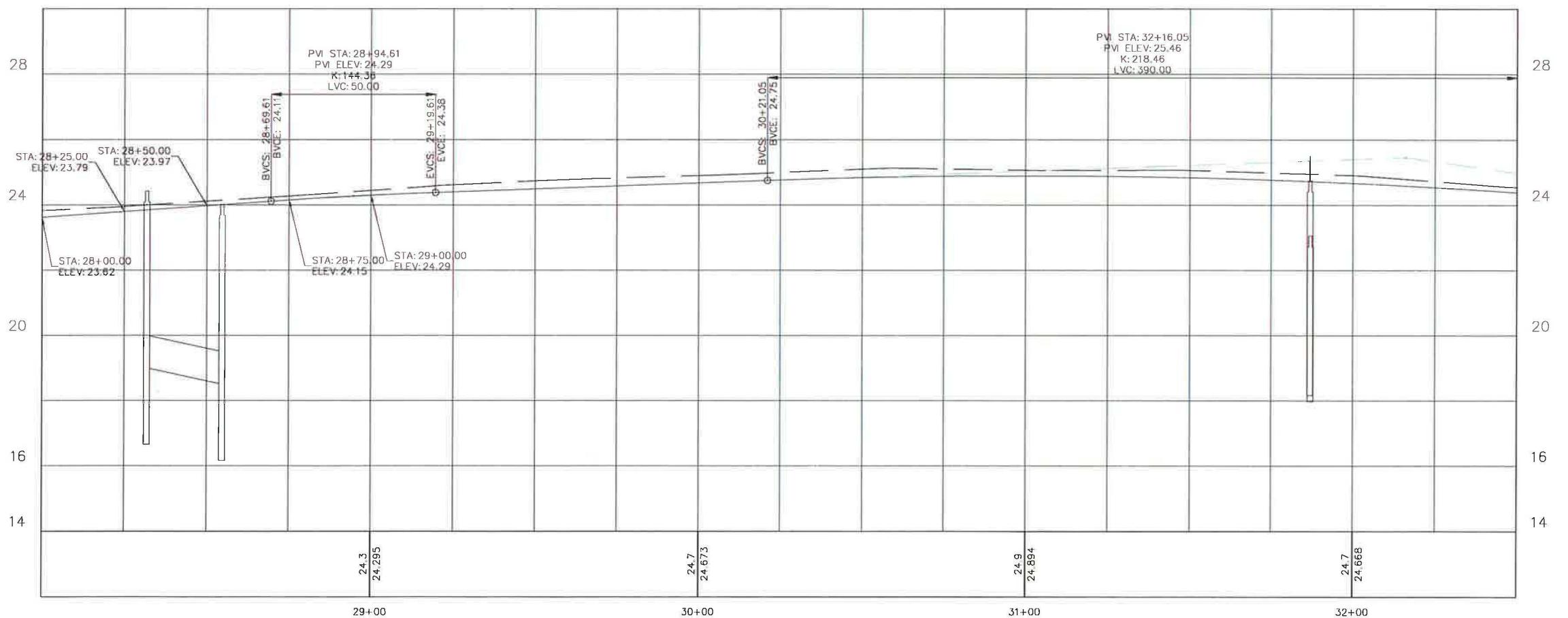
OF OLYMPIA  
ST BAY SIDEWALK  
STORM SHEET

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APPROVED SPS  
  
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DRAWING NAME  
1034G Storm  
SHEET 14 OF



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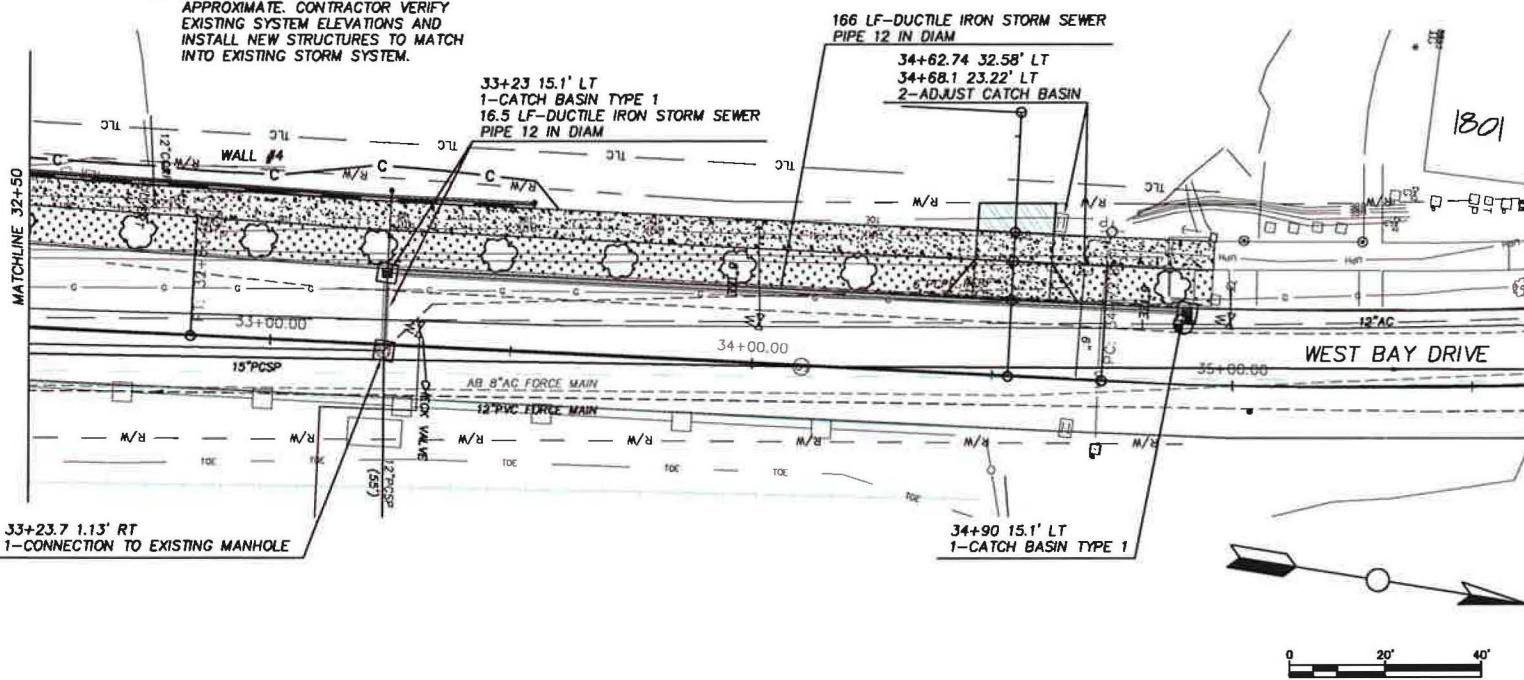


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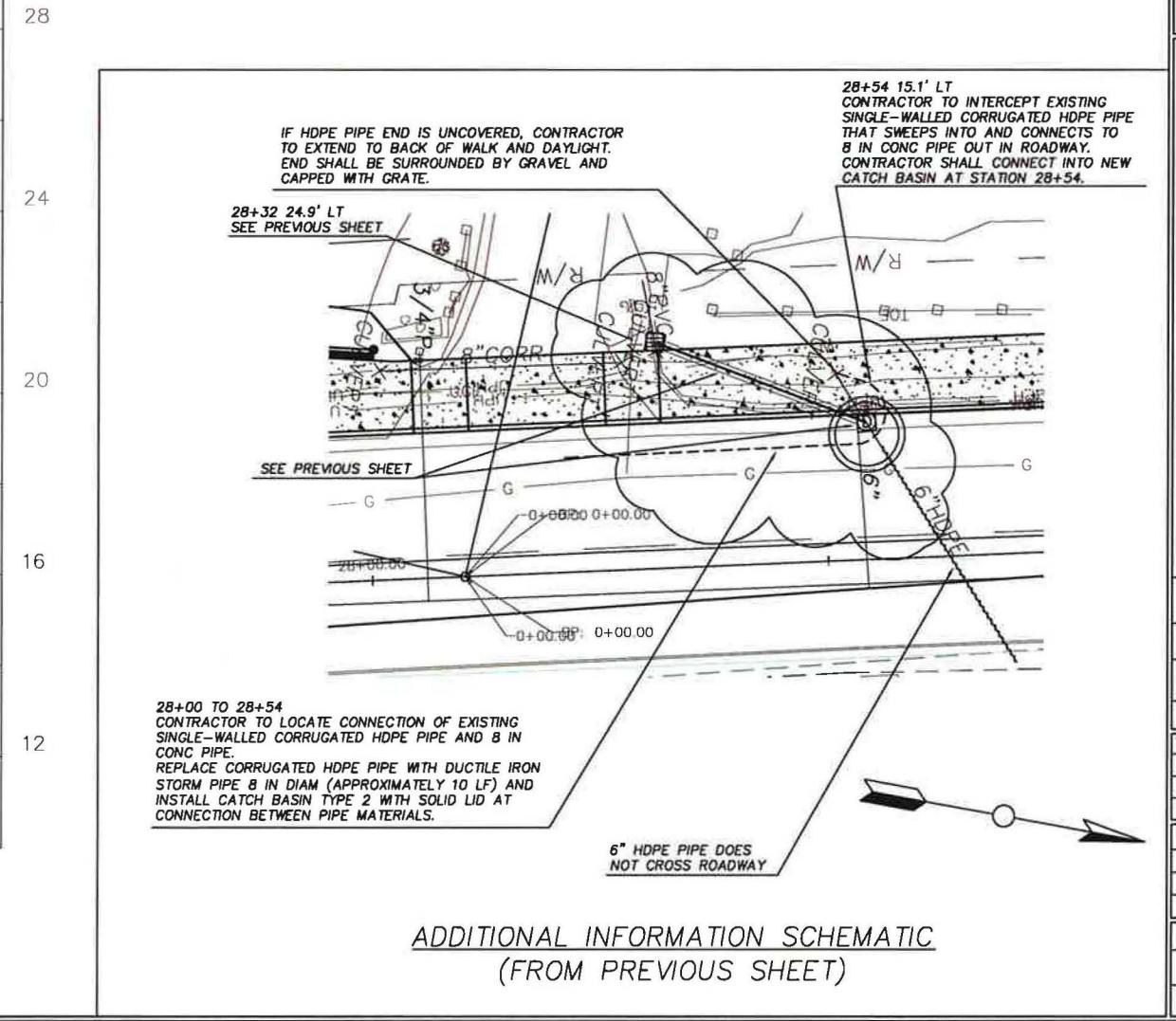
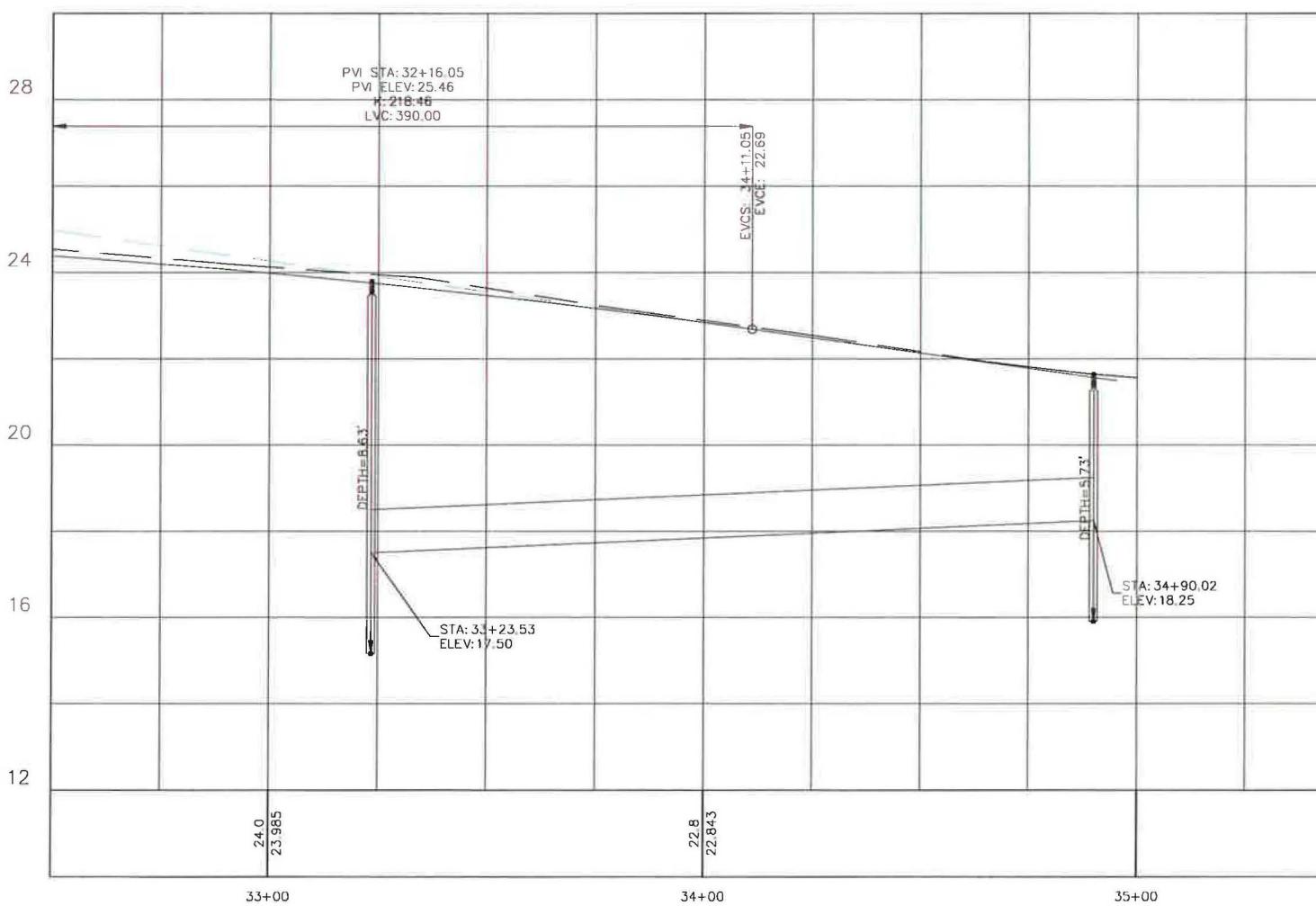
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DRAWN	JDE		
APPROVED	SPS		
PROJECT NO.	1034G		
DATE	03/2014		
DRAWING NAME	1034G Storm		
SHEET	15 OF		

**NOTES:**

1. SOLID COVERS SHALL BE PEDESTRIAN FRIENDLY WITH NON-SLIP SURFACE.
2. ALL ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR VERIFY EXISTING SYSTEM ELEVATIONS AND INSTALL NEW STRUCTURES TO MATCH INTO EXISTING STORM SYSTEM.



West\_Bay\_CL PROFILE



ADDITIONAL INFORMATION SCHEMATIC  
(FROM PREVIOUS SHEET)

CITY OF OLYMPIA  
WEST BAY SIDEWALK  
STORM SHEET

REVISIONS

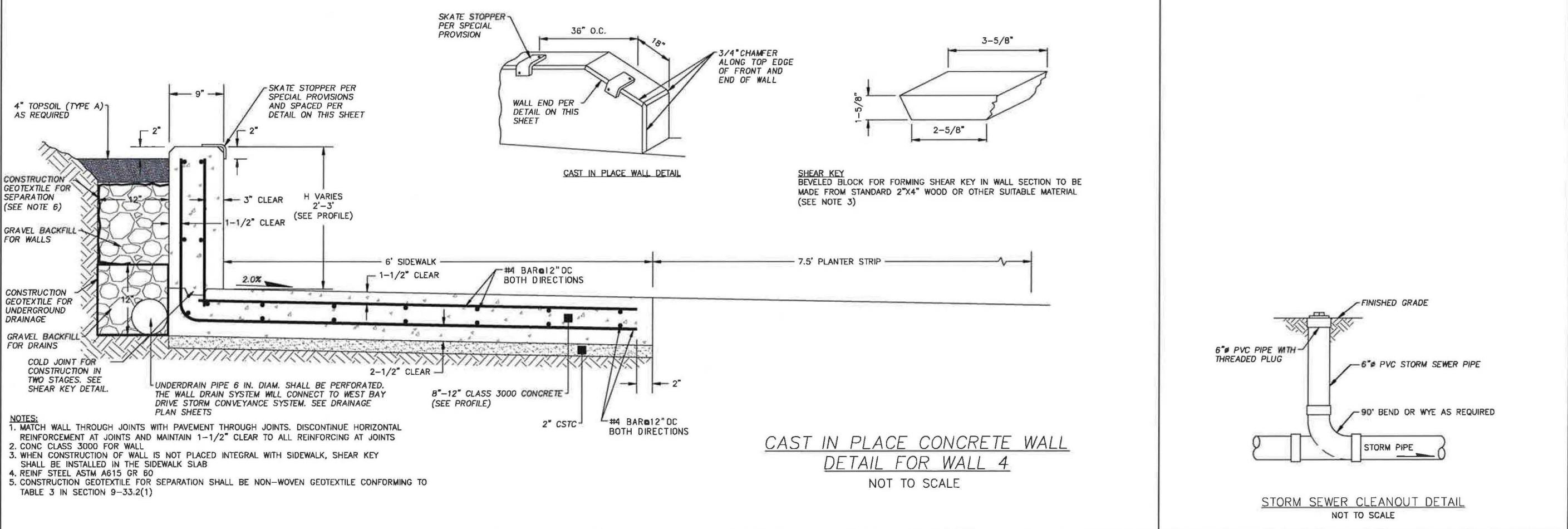
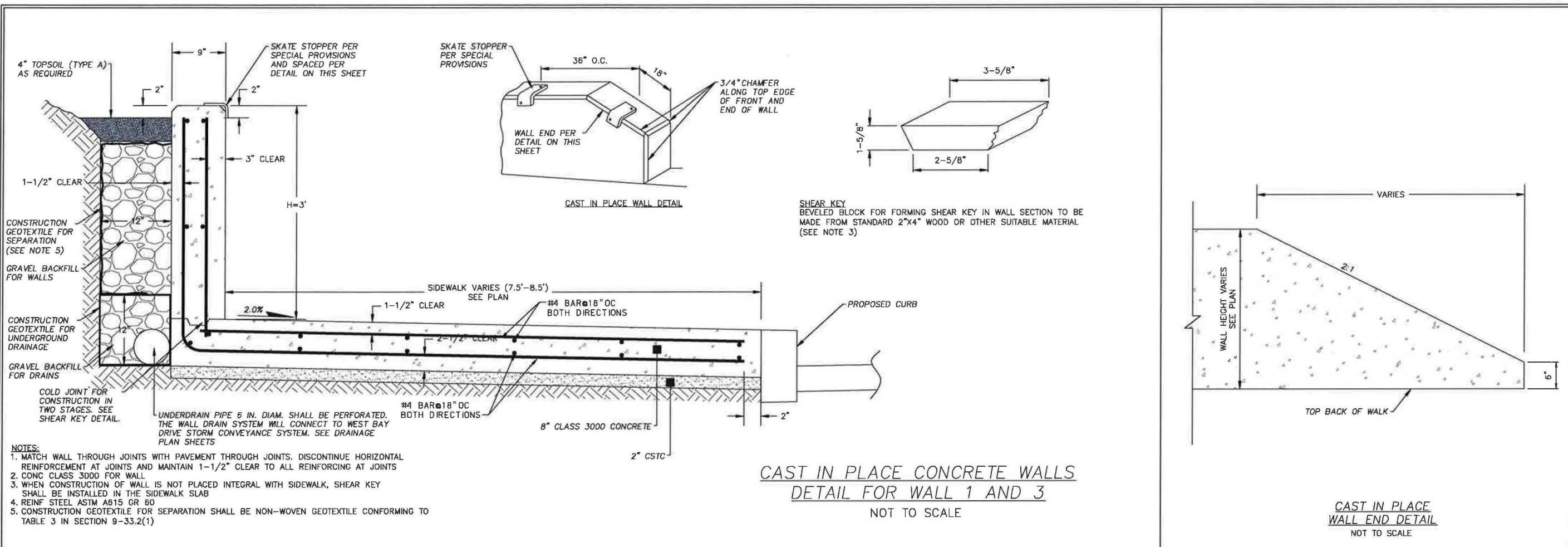
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DESIGNED CWA/JDE  
DRAWN JDE  
APPROVED SPS

PROJECT NO.  
1034G  
DATE  
03/2014

DRAWING NAME  
1034G Storm

SHEET 10 OF



REVISIONS

NO. DATE BY APPR

ENGINEER  
DESIGNED T. BRADLE

DRAWN T. BRADLE

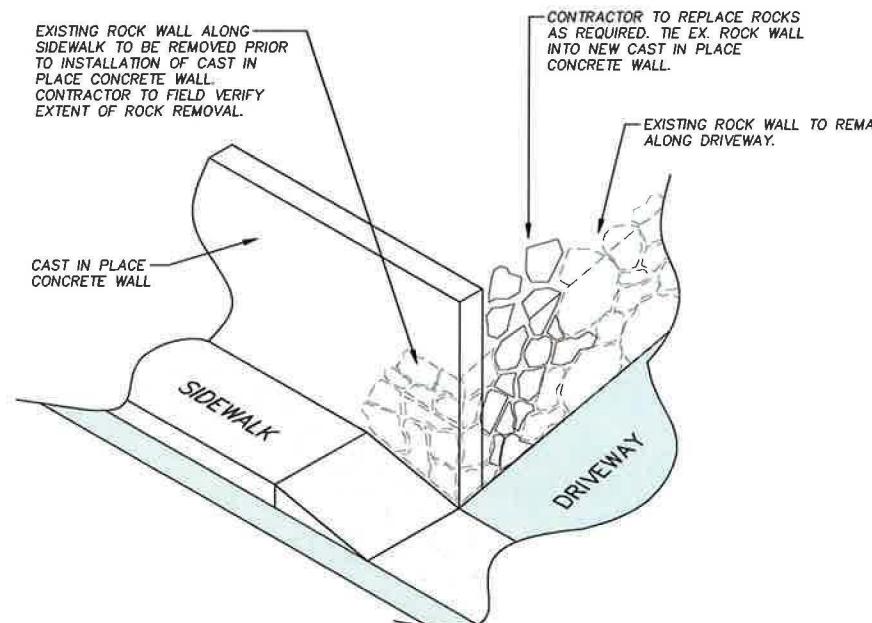
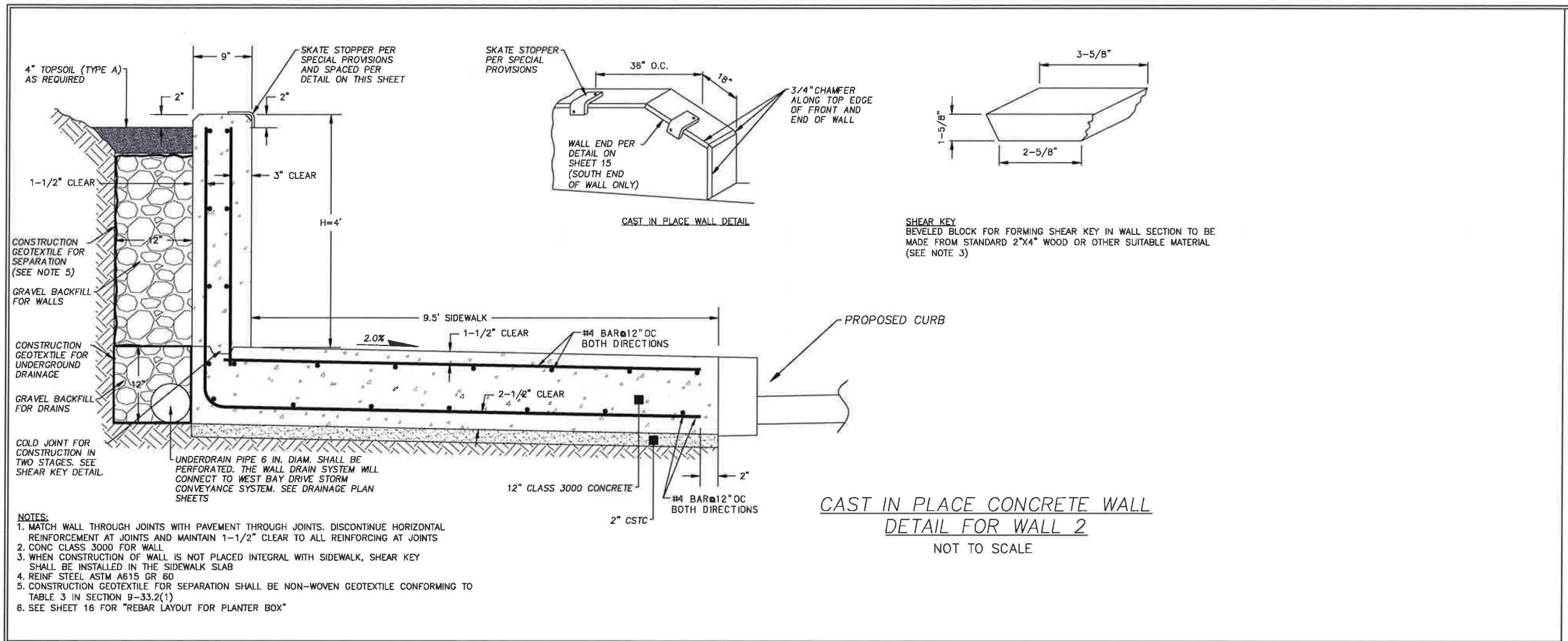
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PROJECT NO.

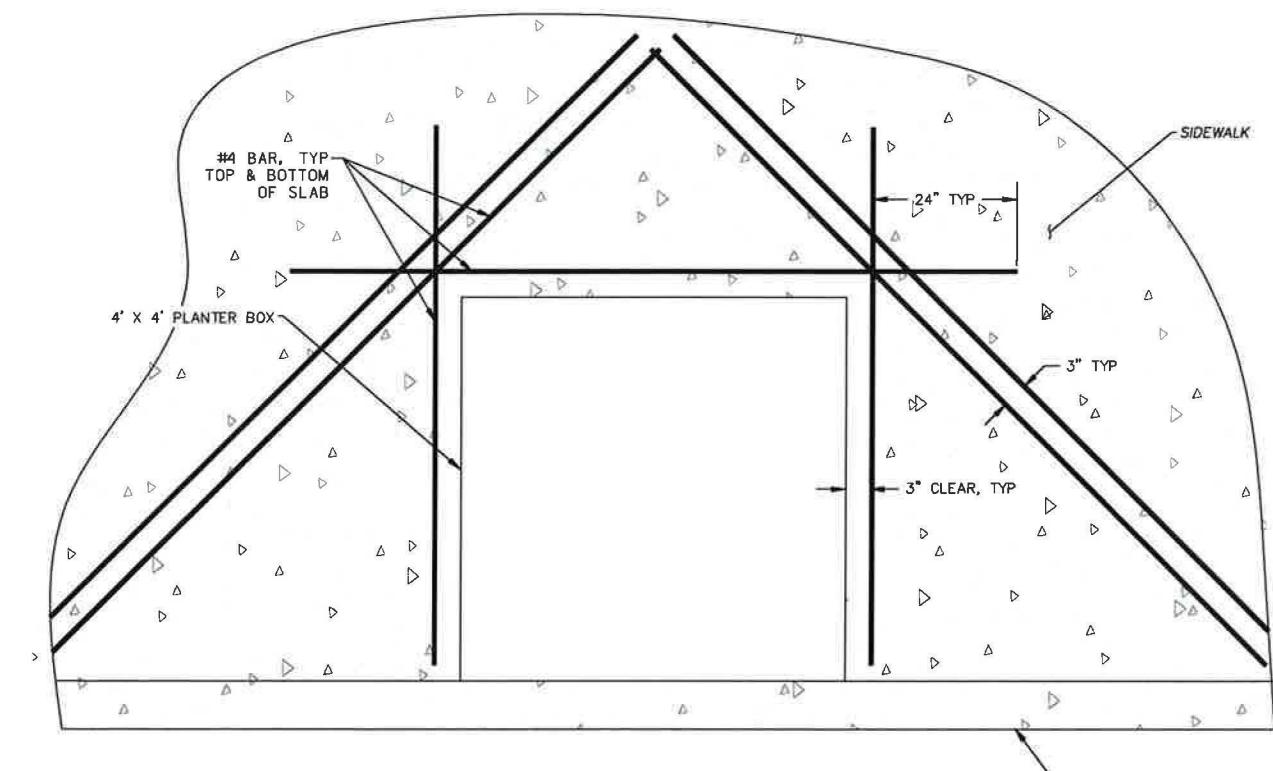
DATE  
4/2013

DRAWING NAME  
WALL DETAILS

SHEET 15 OF 17



AT WALL 2  
CONNECT TO EXISTING ROCK WALL DETAIL  
NOT TO SCALE



## DESIGN NOTES

1. Design is based on the assumption that backfill within the reinforced soil mass, methods of construction and quality of materials conform to the requirements of Hilfiker Retaining Walls.
2. Assumed Soil Characteristics:

**SN - Retained Soils**

Unit Weight: = 110-115pcf in place Density  
 Internal Friction Angle: 28° & 31°  
 Bond Stress = 10-12 psi  
 Cohesion = 0-100 psf

If actual characteristics, grades or dimensions of soil materials differ from those listed above or shown on the plans, the Spiralnail Engineer (OCP) shall be notified to evaluate the need to redesign.

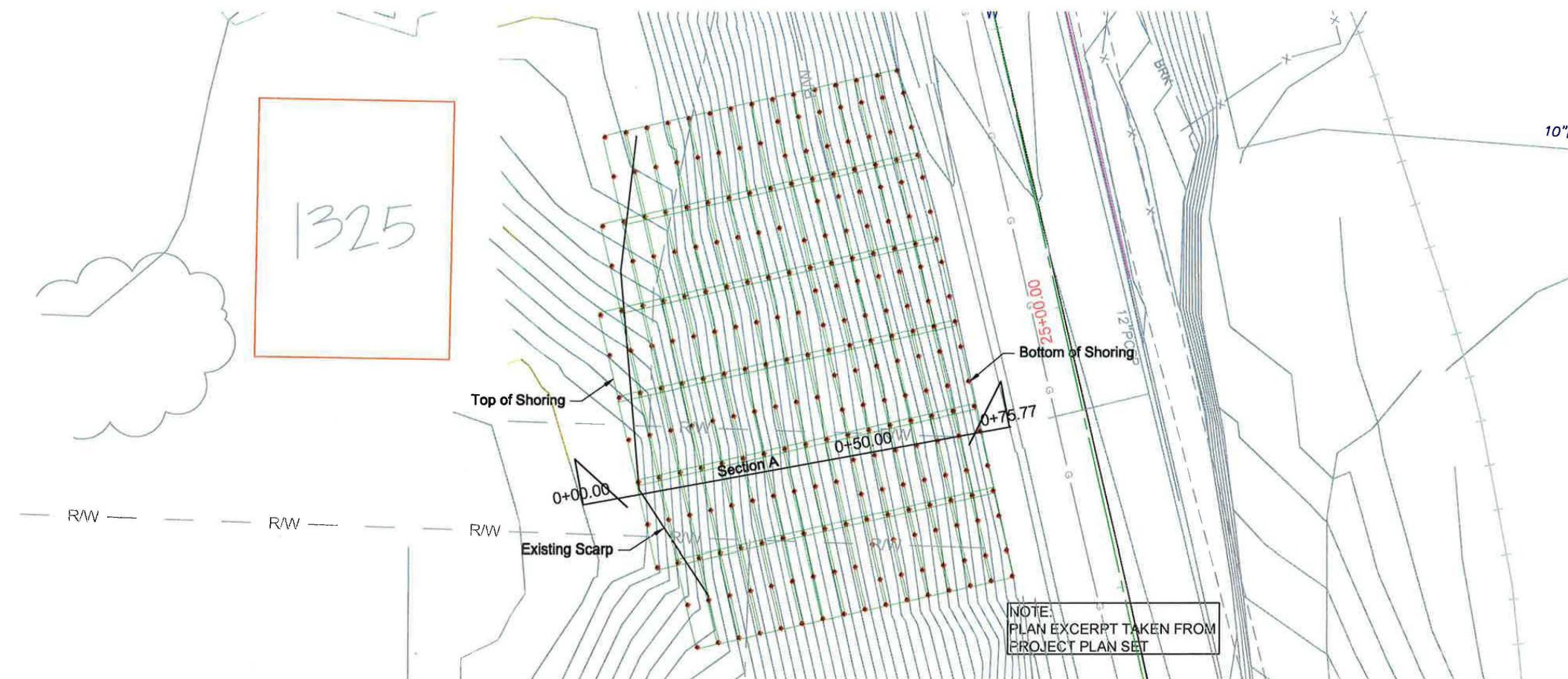
3. Design Procedure:  
 Geotechnical Engineering Circular No. 7 - Soil Nail Walls  
 FHWA Report No. FHWA0-IF-03-017.
4. Reference Drawings:
  - TOPO BY SKILLINGS & CONNELLY, INC.
  - GEO Report by Landau

5. Conflicts between the wire mesh panels and/or spiralnails and obstructions are resolved in the field by any combination of the following:

- a) Trimming the panel wires and or bending vertical & horizontal wires to accommodate the penetration through the facing
- b) Slight Re-orientation of the spiralnail angle or direction. If re-orientation of the nails is more than one foot from the planned location, confirmation of the change shall be approved by OCP.

6. This design is intended to be responsible for the internal stability of the shoring only, and not for global stability or foundation bearing capacity. Ortiz Enterprises, Inc. is responsible for job site drainage, safety and fall protection provisions including compliance with OSHA regulations, and the Competent Person designated for daily inspection.

THE DESIGN CONTAINED ON THESE DRAWINGS IS BASED ON INFORMATION PROVIDED BY THE OWNER. ON THE BASIS OF THIS INFORMATION, OCP HAS DESIGNED, AND IS RESPONSIBLE FOR THE INTERNAL STABILITY OF THE STRUCTURE ONLY. EXTERNAL STABILITY, INCLUDING FOUNDATION AND SLOPE STABILITY, IS THE RESPONSIBILITY OF THE OWNER.



PLAN VIEW - WEST BAY DR. SHORING

SCALE: 1" = 20'

P:\14-028\Skillings - Olympia Sidewalk Project\SO - Olympia Bay Drive recover 1.dwg - Last Saved 4/17/2014 12:27 PM

REV. NO.	DATE	BY	DESCRIPTION
	4/ 17/ 14	KLC	Initial .pdf soft Release



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 Fortuna, CA 95540  
 Phone (707) 725-7410  
 Fax (707) 725-7411  
 Ontiveros.Assoc@att.net

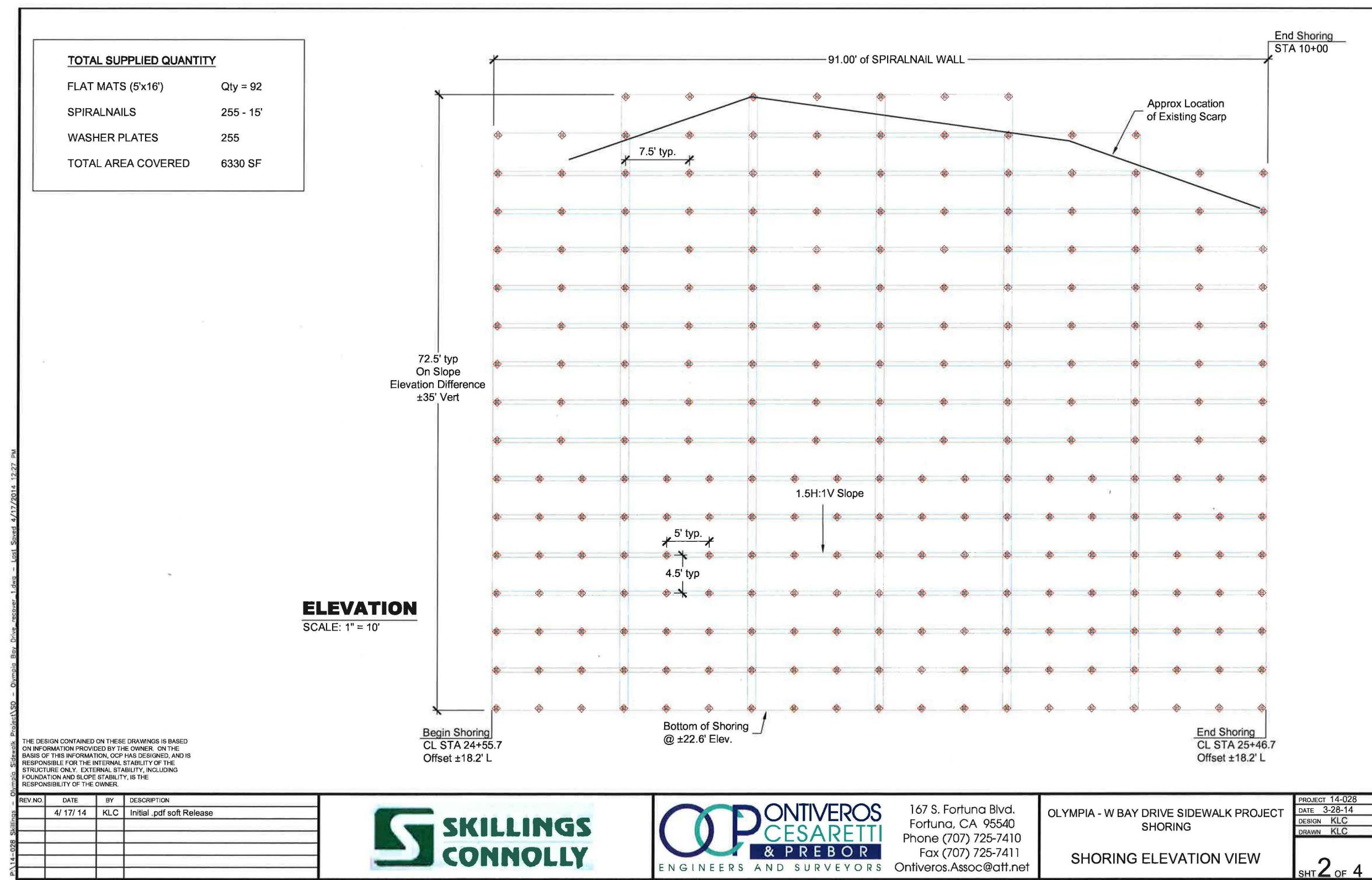
OLYMPIA - W BAY DRIVE SIDEWALK PROJECT  
 SHORING

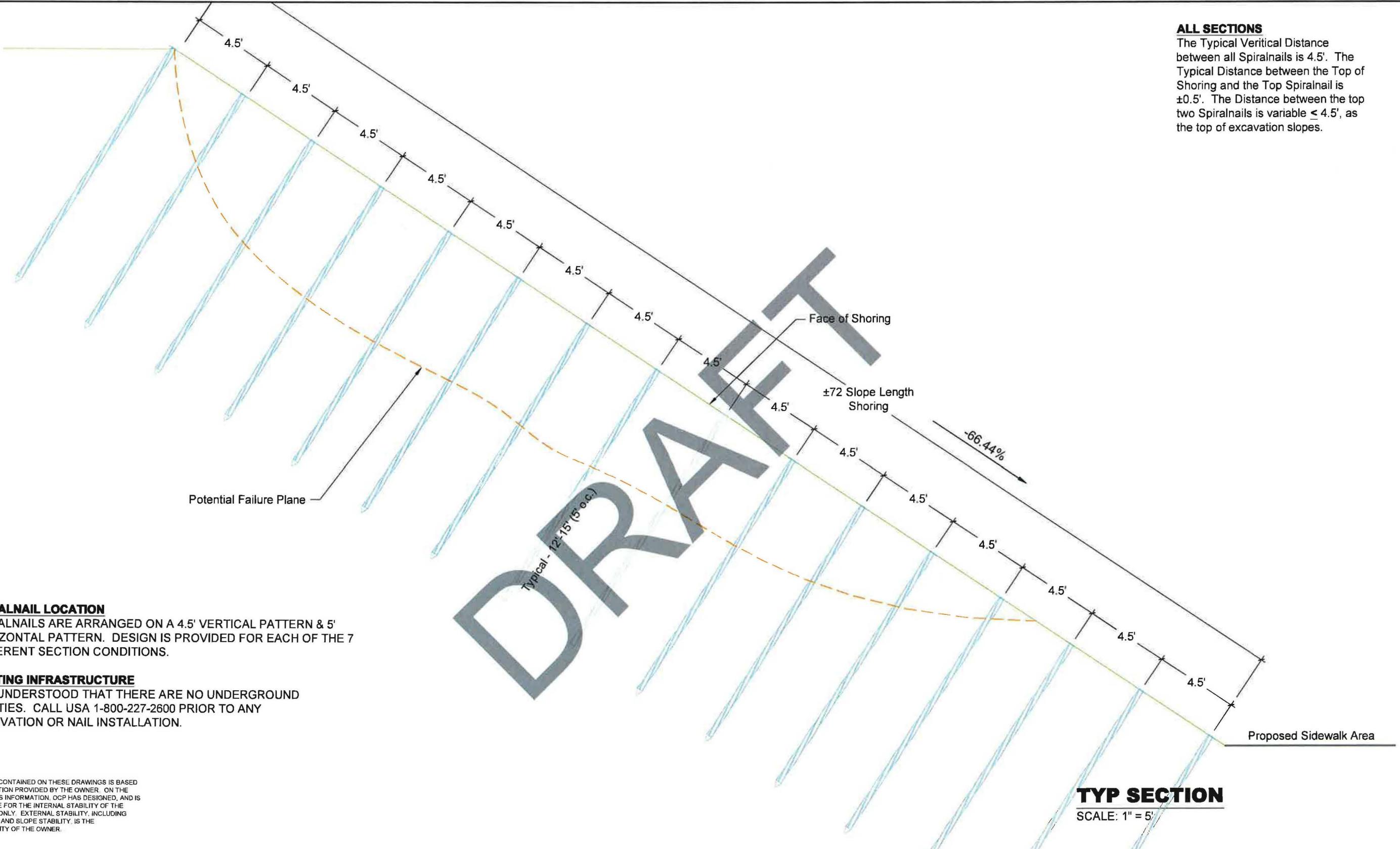
SHORING PLAN VIEW & GENERAL  
 NOTES

PROJECT 14-028
DATE 3-28-14
DESIGN KLC
DRAWN KLC

SHT 1 OF 4

Sheet 19





REV.NO.	DATE	BY	DESCRIPTION
3/28/14	KLC		PRELIM Proposal

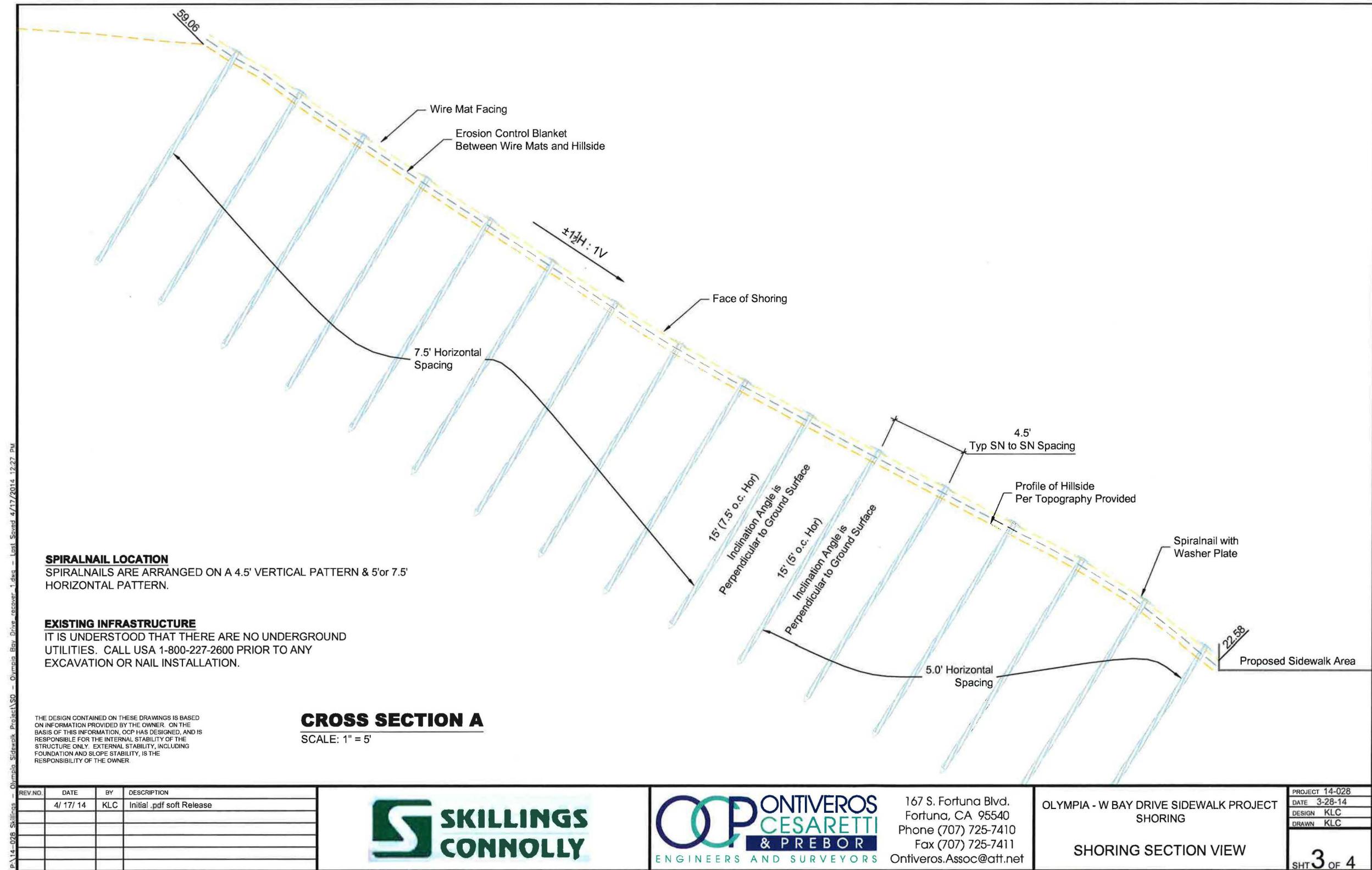


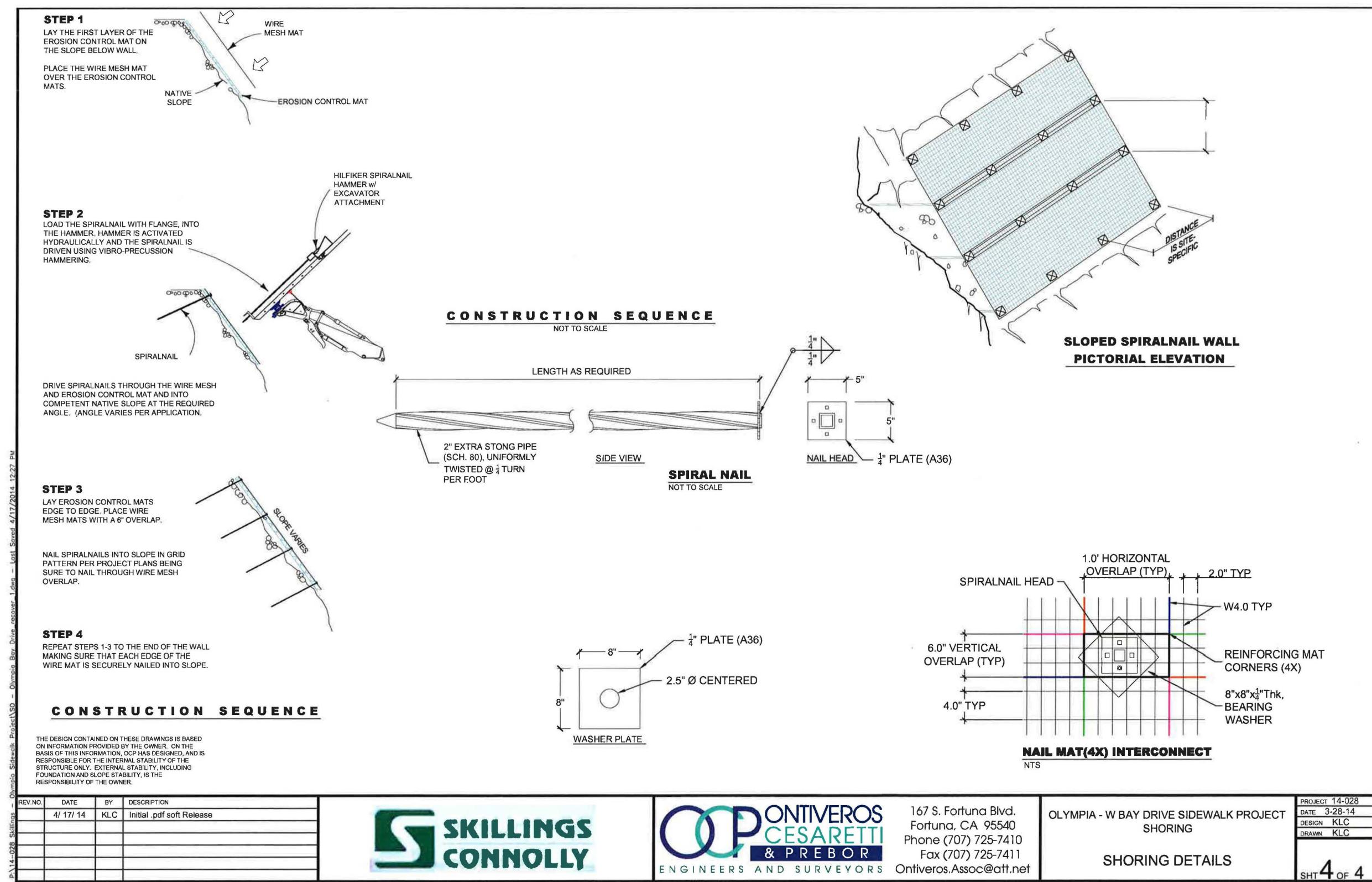
167 S. Fortuna Blvd.  
Fortuna, CA 95540  
Phone (707) 725-7410  
Fax (707) 725-7411  
Ontiveros.Assoc@att.net

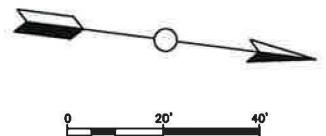
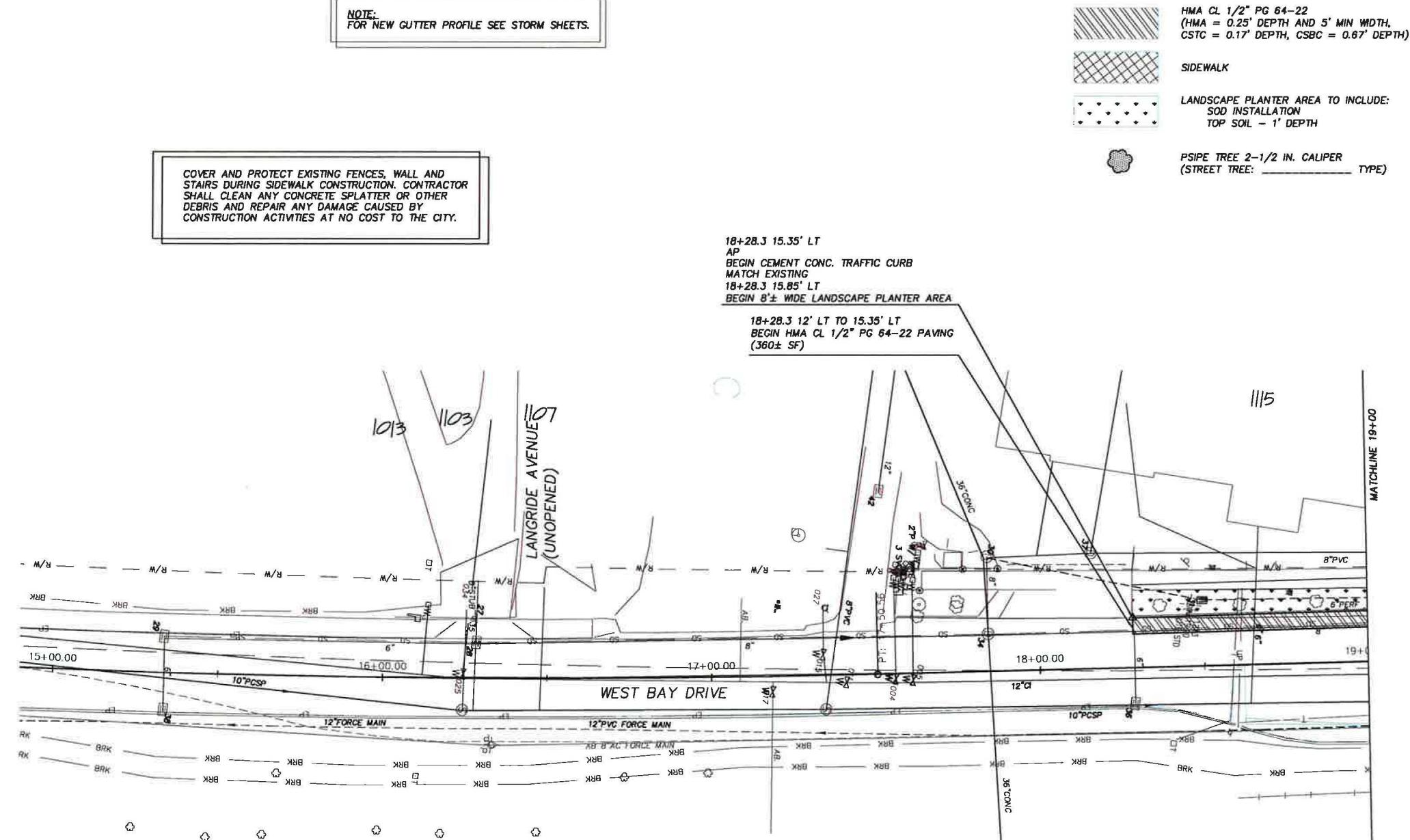
OLYMPIA - W BAY DRIVE SIDEWALK PROJECT  
SHORING  
SHORING SECTION VIEW

PROJECT 14-028
DATE 3-28-14
DESIGN KLC
DRAWN KLC

SHT 3 OF 4







REVISIONS

NO.	DATE	BY	APPR
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CITY OF OLYMPIA

WEST BAY SIDEWALK

## CEMENT CONC SIDEWALK AND PLANTER SHEET

**LEGEND:**

- HMA CL 1/2"**: Hatched area
- SIDEWALK**: Diagonal hatched area
- LANDSCAPE PLANTER AREA TO INCLUDE:  
SOD INSTALLATION  
TOP SOIL 1' DEPTH**: Dotted area

PSIPE TREE 2-1/2 IN. CALIPER  
(STREET TREE: \_\_\_\_\_ TYPE)

NOTE:  
FOR NEW GUTTER PROFILE SEE STORM SHEETS.

111

10. DATE BY APPR

ENGINEER	CWA
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DRAWN	JDE
APPROVED	SPS

PROJECT NO.

DATE

03/2014

DRAWING NAME

1034G Walk

SHEET 24 OF

COVER AND PROTECT EXISTING FENCES, WALL AND STAIRS DURING SIDEWALK CONSTRUCTION. CONTRACTOR SHALL CLEAN ANY CONCRETE SPATTER OR OTHER DEBRIS AND REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES AT NO COST TO THE CITY.

SHEET 24 OF



CITY OF OLIMPIA

WEST BAY SIDEWALK

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03/2014	
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THIS BUILDING IS GONE - ONLY  
THE CONCRETE PAD REMAINS

NOTE:  
FOR NEW GUTTER PROFILE SEE STORM SHEETS.



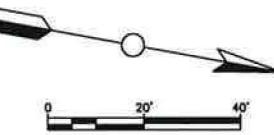
APPROXIMATE AREA OF 90 SF:  
RESTORATION BEHIND WALLS PER DETAIL. AREAS BEYOND WALL  
DETAIL TO HAVE 4" OF TOP SOIL COVERED WITH 4" BARK MULCH

APPROXIMATE AREA OF 245 SF:  
RESTORATION PER DRIVEWAY DETAIL

APPROXIMATE AREA OF 253 SF:  
RESTORATION PER DRIVEWAY DETAIL

APPROXIMATE AREA OF 335 SF:  
RESTORATION SHALL INCLUDE THE PROTECTION OF EXISTING WALL  
FROM CONSTRUCTION SPLATTER. AREA BETWEEN FACE OF WALL  
AND BACK OF SIDEWALK TO BE FREE OF ROCKS 2" AND LARGER  
PRIOR TO BEING COVERED WITH 4" BARK MULCH. ANY AREA  
DISTURBED BEHIND EXISTING WALL SHALL BE REPAIRED TO MATCH  
EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE CONTRACTOR.

APPROXIMATE AREA OF 1890 SF:  
RESTORATION BEHIND WALL PER DETAIL. AREA BEYOND WALL  
DETAIL TO HAVE 4" OF TOP SOIL COVERED WITH 4" BARK MULCH.



## WEST BAY SIDEWALK RESTORATION

ST BAY SIDEWALK

RESTORATION

Hand-drawn site plan for a wall restoration project. The plan shows a long wall structure labeled 'WALL #4' with a height of 3.5'. The wall is supported by a series of concrete blocks. The ground surface is indicated by a dashed line. A note at the top left specifies an 'APPROXIMATE AREA OF 2780 SF: RESTORATION BEHIND WALLS PER DETAIL. AREAS BEYOND WALL DETAIL TO HAVE 4" OF TOP SOIL COVERED WITH 4" BARK MULCH.' A vertical elevation line on the right shows levels '0+55.00', '0+50.00', and '0+45.00'. A horizontal elevation line shows levels '33+00.00', '34+00.00', and '35+00.00'. A valve is marked with '(55)'. A note 'AB 8" AC FORCE MAIN' is shown. A road is labeled 'WEST BAY DRIVE'. A label '1801' is in the top right. A vertical label 'MACHINE 32+50' is on the far left. A label 'GRAVEL' is at the bottom right.

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## REVISIONS

ER CWA  
ED CWA/JDE  
N JOE  
VED SPS

PROJECT NO.  
1034G  
DATE  
03/2014

DRAWING NAME

-36-

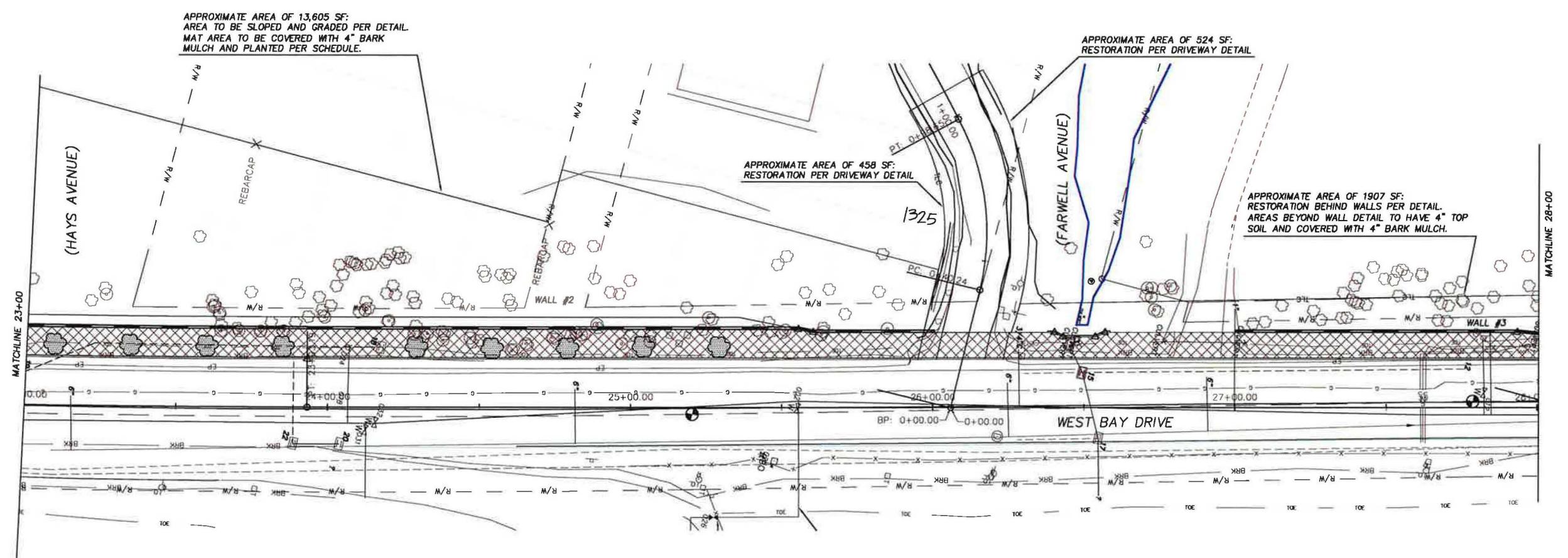
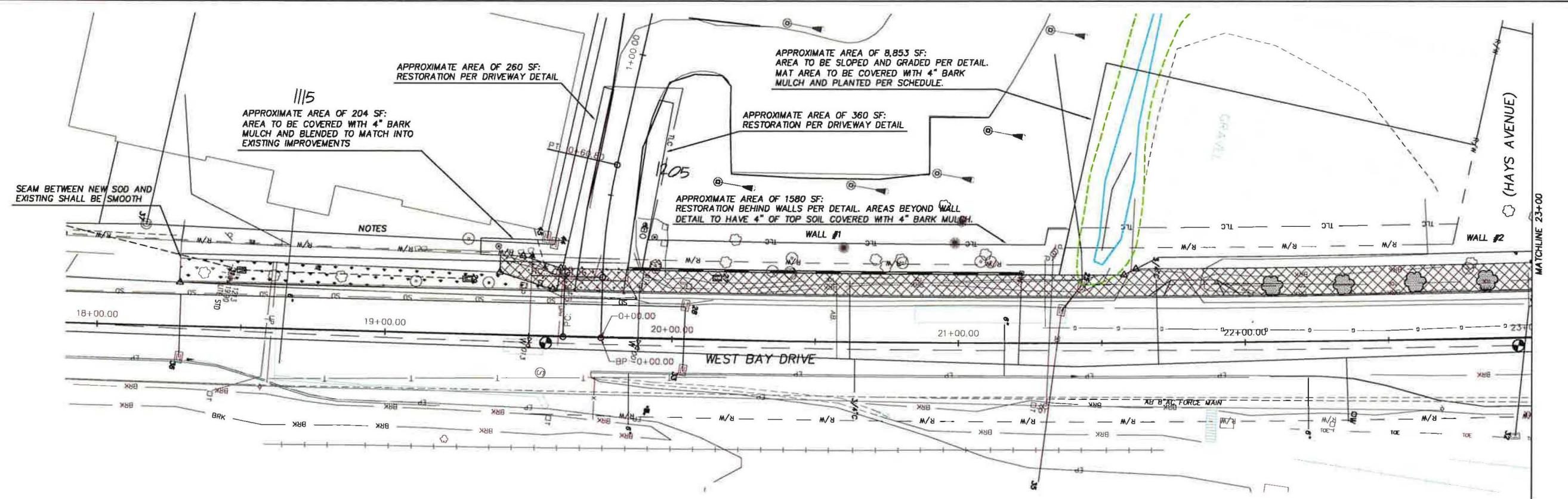
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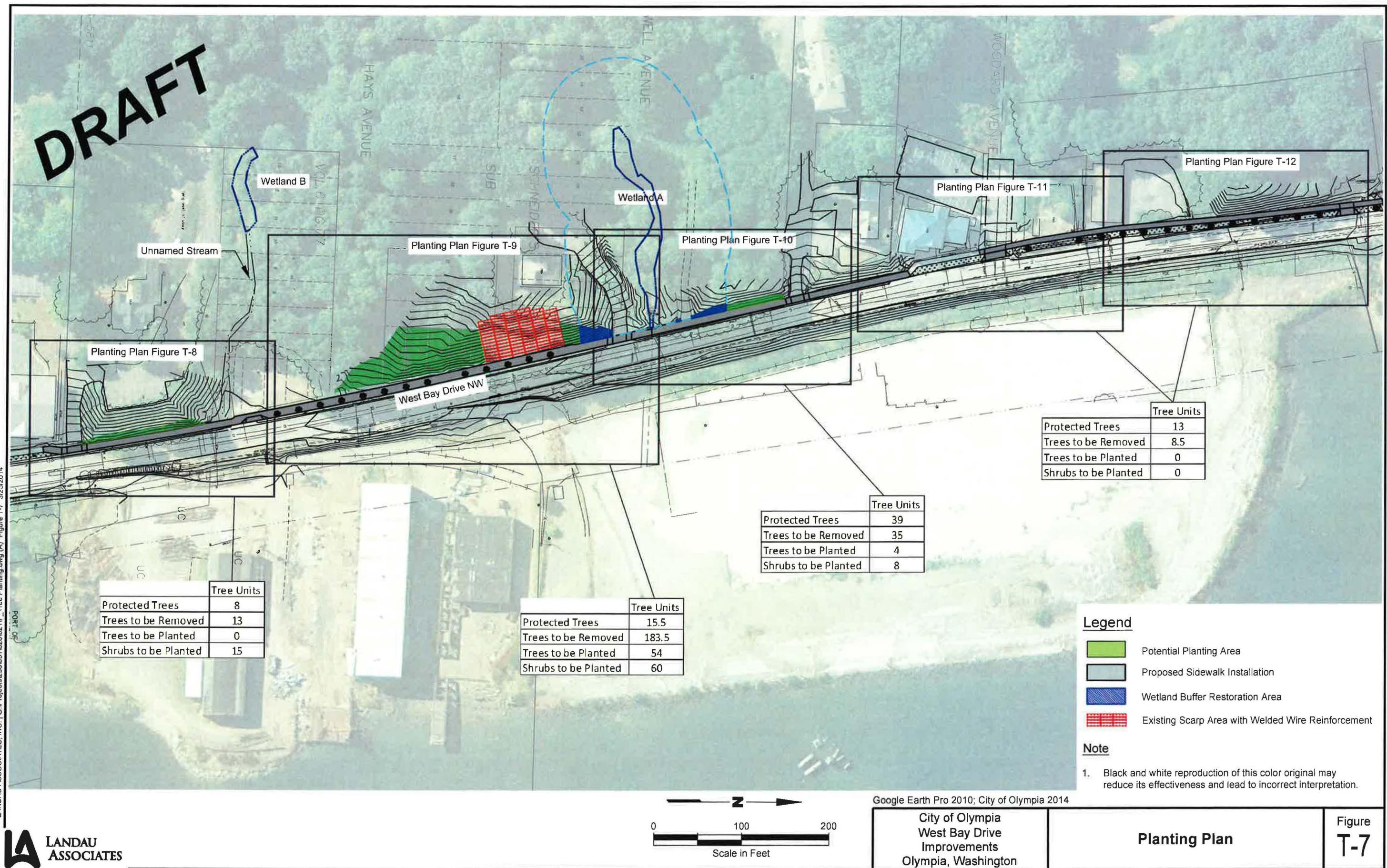
CHI-YU OLYMPIA

EST BAY SIDEWALK

## RESTORATION



NO. DATE	BY APPR
ENGINEER	CWA
DESIGNED	CWA/JOE
DRAWN	JOE
APPROVED	SPS
PROJECT NO.	
1034G	
DATE	
03/2014	
DRAWING NAME	
1034G Restoration	
SHEET 27 OF	





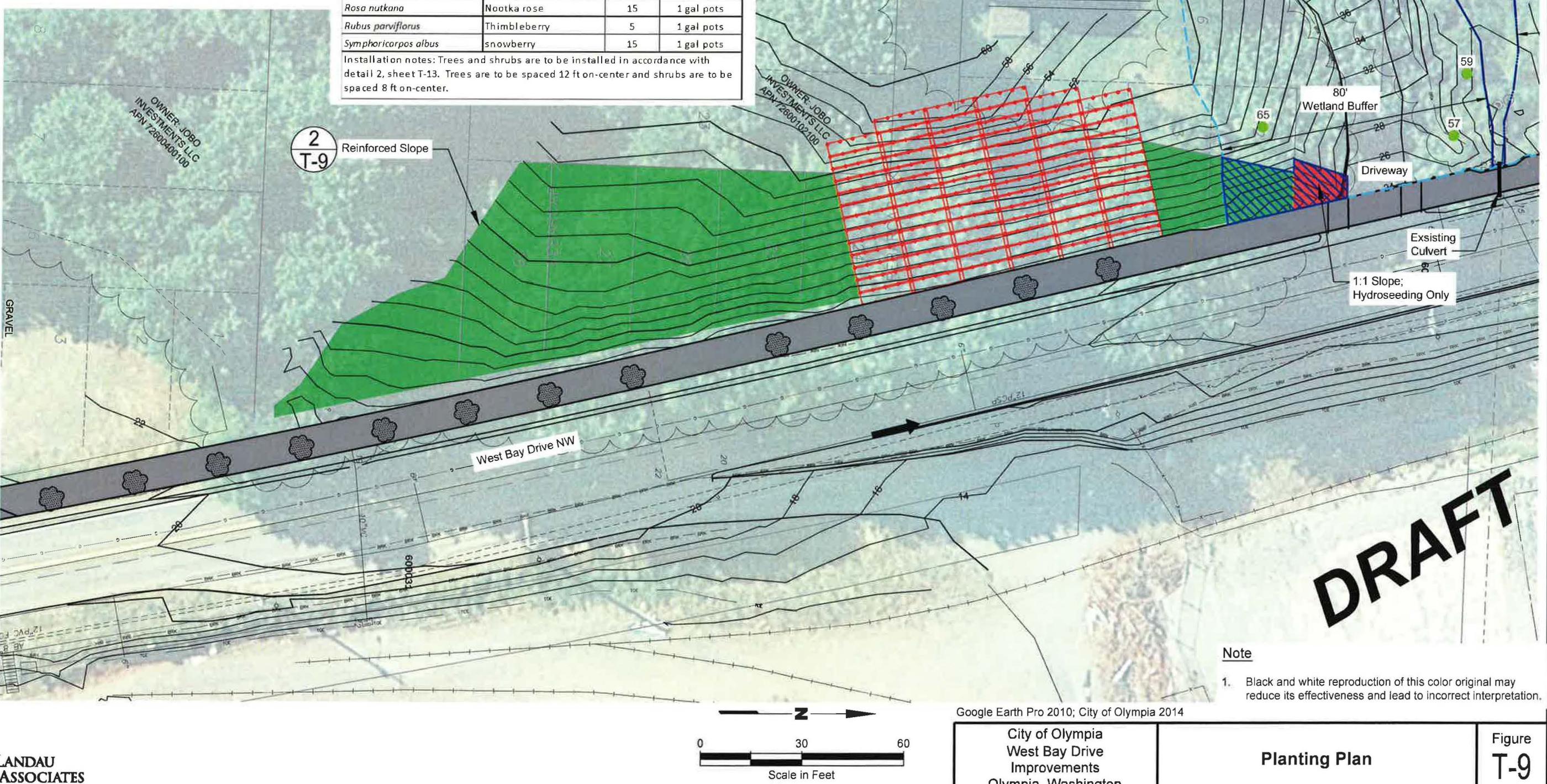
Legend

- 57 Surveyed Tree Preserved
  - Potential Planting Area (7,090 SF)
  - Proposed Sidewalk Installation
  - Wetland Buffer Restoration Area (491 SF)
  - Existing Scarp Area with Welded Wire Reinforcement (~4,000 SF)

Planting List - Potential Planting Area			
Tree Species		Specifications	
Scientific Name	Common Name	# of Plants	Size
<i>Acer circinatum</i>	Vine maple	20	1 gal pots
<i>Frangula purshiana</i>	Cascara	15	1 gal pots
<i>Prunus emarginata</i>	Bitter cherry	15	1 gal pots
Shrub Species		Specifications	
Scientific Name	Common Name	# of Plants	Size
<i>Corylus cornuta</i>	Western hazelnut	10	1 gal pots
<i>Holodiscus discolor</i>	Oceanspray	10	1 gal pots
<i>Mahonia aquifolium</i>	Tall Oregon grape	5	1 gal pots
<i>Rosa nutkana</i>	Nootka rose	15	1 gal pots
<i>Rubus parviflorus</i>	Thimbleberry	5	1 gal pots
<i>Symporicarpos albus</i>	snowberry	15	1 gal pots

Planting List - Wetland Buffer Restoration Area			
Tree Species		Specifications	
Scientific Name	Common Name	# of Plants	Size
<i>Acer circinatum</i>	Vine maple	3	1 gal pots
<i>Frangula purshiana</i>	Cascara	3	1 gal pots

Installation notes: Trees are to be installed in accordance with detail 2, sheet T-13, and spaced 10 ft on-center.



### Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Google Earth Pro 2010: City of Olympia 2014

City of Olympia  
West Bay Drive  
Improvements  
Olympia, Washington

## Planting Plan

Figure  
T-9

Legend

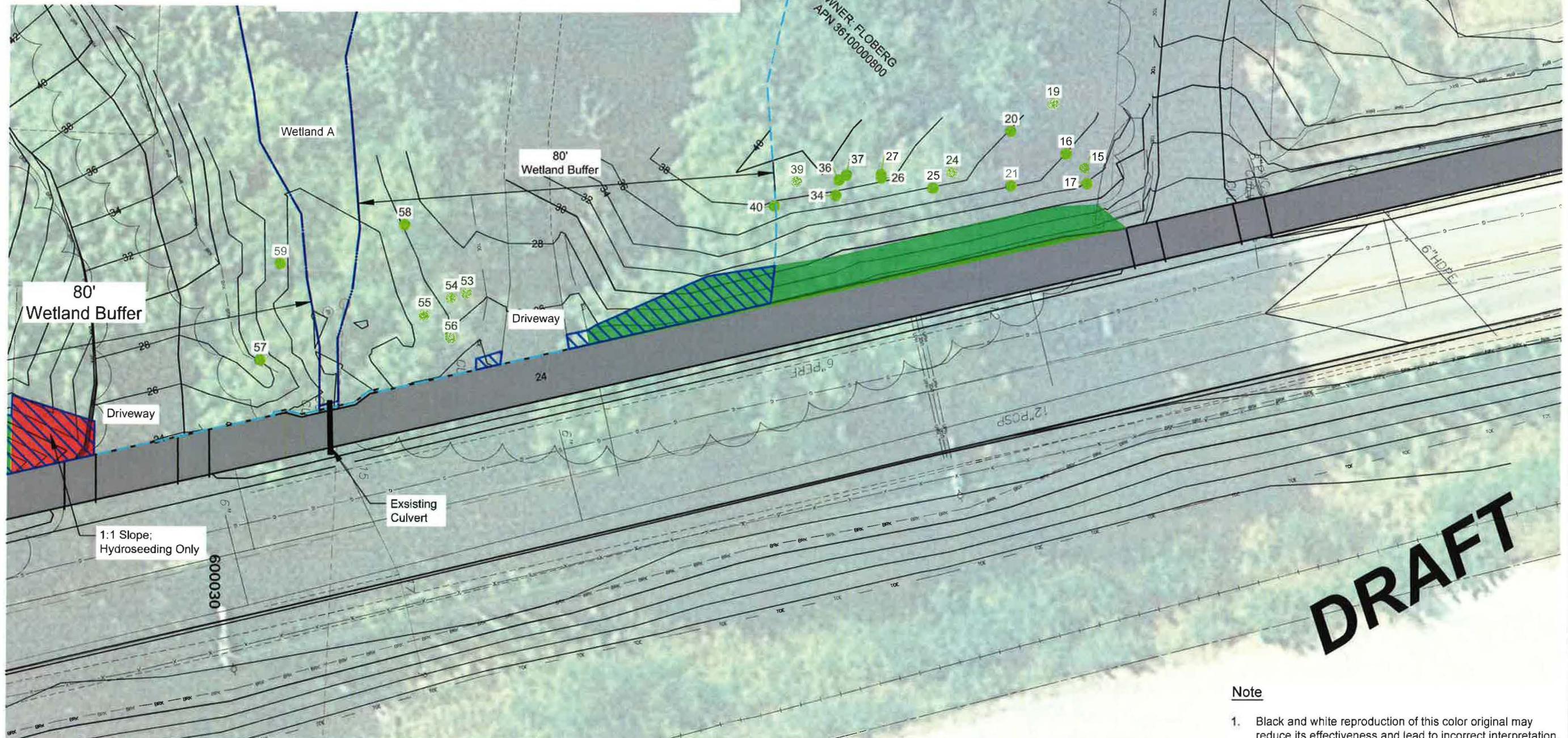
- 19  Surveyed Tree Preserved
-  Proposed Sidewalk Installation
-  Potential Planting Area (447 SF)
-  Wetland Buffer Restoration Area (241 SF)

Planting List - Potential Planting Area			
Shrub Species		Specifications	
Scientific Name	Common Name	# of Plants	Size
<i>Holodiscus discolor</i>	Oceanspray	2	1 gal pots
<i>Rosa nutkana</i>	Nootka rose	2	1 gal pots
<i>Rubus parviflorus</i>	Thimbleberry	2	1 gal pots
<i>Symphoricarpos albus</i>	snowberry	2	1 gal pots

Installation notes: Shrubs are to be installed in accordance with detail 2, sheet T-13, and spaced 8 ft on-center.

Planting List - Wetland Buffer Restoration Area			
Tree Species		Specifications	
Scientific Name	Common Name	# of Plants	Size
<i>Acer circinatum</i>	Vine maple	2	1 gal pots
<i>Frangula purshiana</i>	Cascara	2	1 gal pots

Installation notes: Trees are to be installed in accordance with detail 2, sheet T-13, and spaced 10 ft on-center.



### Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Google Earth Pro 2010; City of Olympia 2014

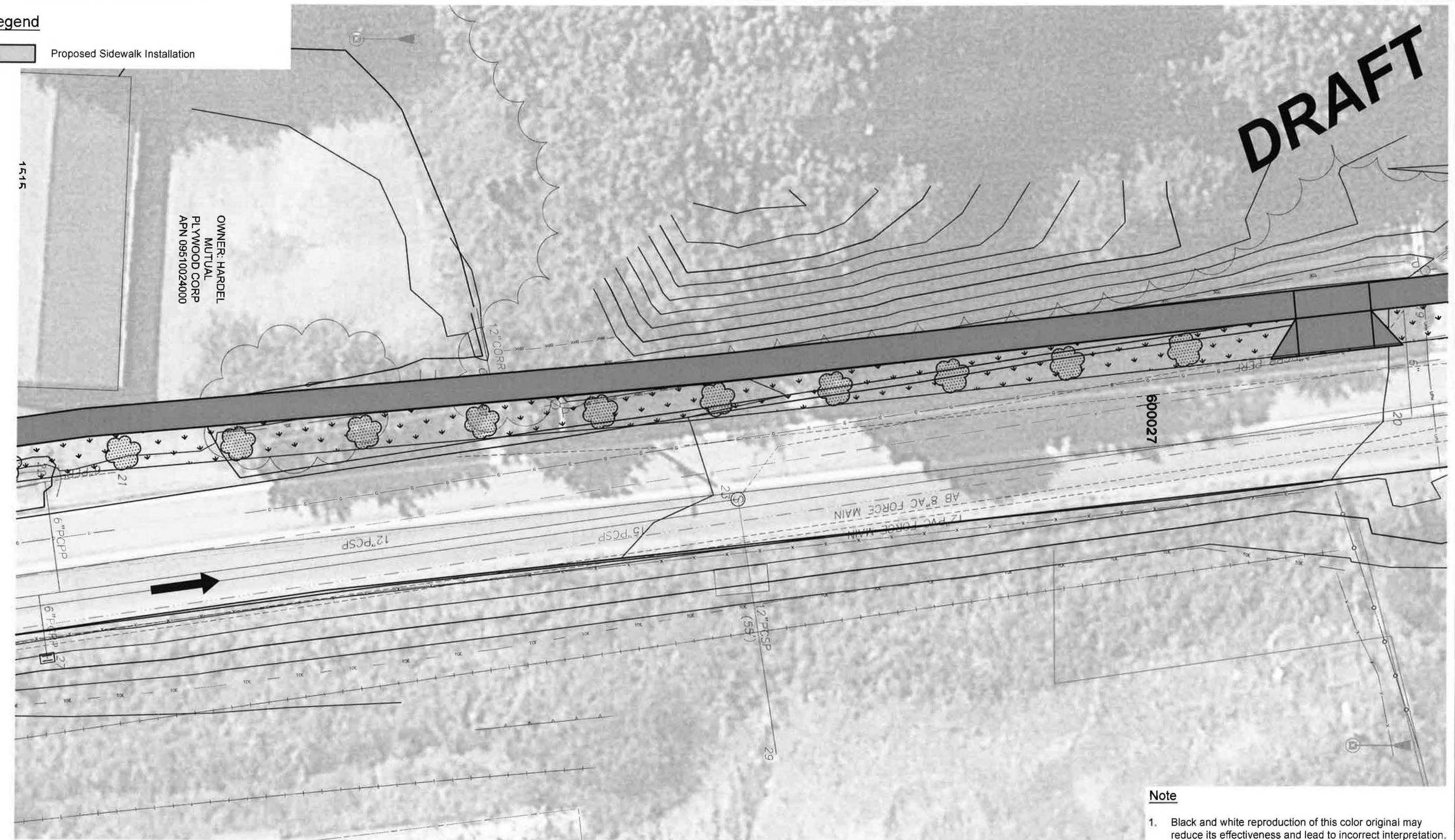
City of Olympia  
West Bay Drive  
Improvements  
Olympia, Washington

## Planting Plan

Figure  
**T-10**



### Legend



Google Earth Pro 2010; City of Olympia 2014

**City of Olympia  
West Bay Drive  
Improvements  
Olympia, Washington**

### Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

LA LANDAU  
ASSOCIATES

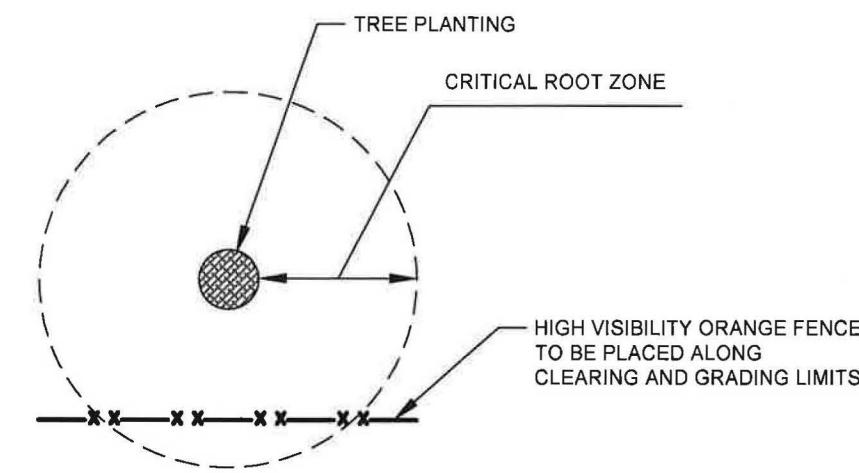
Scale in Feet

Google Earth Pro 2010; City of Olympia 2014	<table border="1" data-bbox="2359 1962 2980 1974"> <tr> <td data-bbox="2359 1962 2418 1974">City of Olympia</td><td data-bbox="2418 1962 2980 1974" style="text-align: center;"> <b>Planting Plan</b> </td><td data-bbox="2980 1962 3094 1974" style="text-align: right;"> <b>Figure</b>  <b>T-12</b> </td></tr> <tr> <td data-bbox="2359 1962 2418 1974">West Bay Drive</td><td data-bbox="2418 1962 2980 1974"></td><td data-bbox="2980 1962 3094 1974"></td></tr> <tr> <td data-bbox="2359 1962 2418 1974">Improvements</td><td data-bbox="2418 1962 2980 1974"></td><td data-bbox="2980 1962 3094 1974"></td></tr> <tr> <td data-bbox="2359 1962 2418 1974">Olympia, Washington</td><td data-bbox="2418 1962 2980 1974"></td><td data-bbox="2980 1962 3094 1974"></td></tr> </table>	City of Olympia	<b>Planting Plan</b>	<b>Figure</b> <b>T-12</b>	West Bay Drive			Improvements			Olympia, Washington			
City of Olympia	<b>Planting Plan</b>	<b>Figure</b> <b>T-12</b>												
West Bay Drive														
Improvements														
Olympia, Washington														

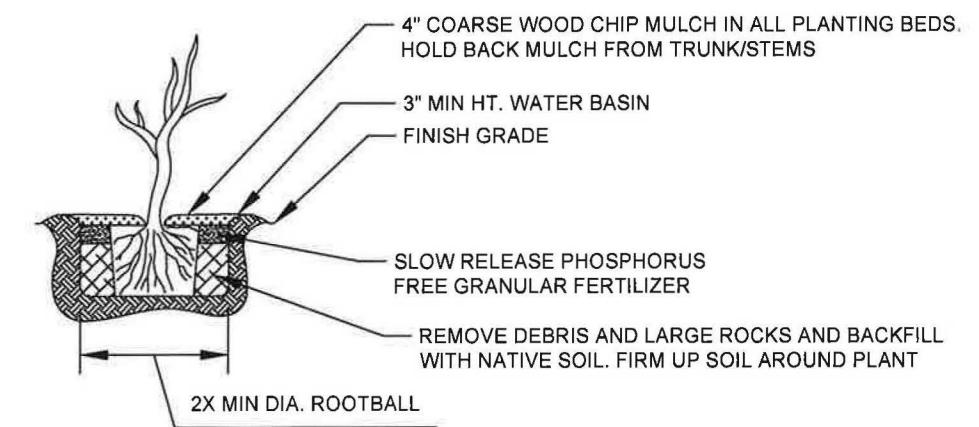
## Planting Plan

Figure  
T-12

Sheet 33



**1** TREE PROTECTION DETAIL



NOTES

1. PLANTING HOLE SHALL NOT BE LESS THAN 2 TIMES THE WIDTH OF THE ROOT BALL DIAMETER.
2. LOOSEN SIDES AND BOTTOM OF THE PLANTING HOLE.
3. REMOVE TREE FROM POT AND ROUGHEN ROOT BALL. DO NOT INSTALL TREES WHICH ARE ROOT BOUND OR CONTAIN CIRCLING ROOTS.
4. SOAK PLANTING HOLE WITH WATER AFTER TREE INSTALLATION.

**2** TREE PLANTING DETAIL  
(NON SLOPE STABILIZED AREAS)

**DRAFT**