Appendix 3
Infrastructure Site Assessment Plans and Photos
- Structures anticipated to be demolished. Area not included in condition cost analysis.

R-1
Recommend grind and overlay
See photo #1
313 sf asphalt
Cost: $7,800

R-1
Recommend grind and overlay
See photo #1
1,214 sf asphalt
Cost: $13,354
STRUCTURES ANTICIPATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.

LAKELAND APT. MAY BE DEMOLISHED IF RESTORED
R-1 578 SY = $15,992
R-2 4,206 SY = $106,180
R-8 518 SY = $18,130

LEGEND
- ANTICIPATED TO BE DEMOLISHED
- RATING 1—NEW CONDITION
- RATING 2—GOOD CONDITION
- RATING 3—FAIR CONDITION
- RATING 4—POOR
- RATING 5—FAILING

HARD SURFACING DEFICIENCIES

<table>
<thead>
<tr>
<th>CODE</th>
<th>RECOMMENDATION</th>
<th>AREA</th>
<th>PHOTO</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-1</td>
<td>GRIND AND OVERLAY</td>
<td>10,076</td>
<td>24</td>
<td>$94,444</td>
</tr>
<tr>
<td>R-3</td>
<td>REPLACE</td>
<td>5,125</td>
<td>29</td>
<td>$153,780</td>
</tr>
<tr>
<td>R-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-7</td>
<td>CRACK SEAL AND GRINDING</td>
<td>780</td>
<td></td>
<td>$1,980</td>
</tr>
<tr>
<td>R-8</td>
<td>REPLACE</td>
<td>1,308</td>
<td>21 &amp; 28</td>
<td>$45,780</td>
</tr>
</tbody>
</table>
LAKELAND APT. MAY BE DEMOLISHED IF RESTORED.
SEE SHEET HS-7 FOR HARD SURFACING CONDITION QUANTITIES AND COST.

STRUCTURES ANTICIPATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.

<table>
<thead>
<tr>
<th>CODE</th>
<th>RECOMMENDATION</th>
<th>AREA</th>
<th>PHOTO #</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-1</td>
<td>GRIND AND OVERLAY</td>
<td>7,310 SY</td>
<td>27</td>
<td>$86,618</td>
</tr>
<tr>
<td>R-2</td>
<td>REPLACE</td>
<td>630 SY</td>
<td>28</td>
<td>$16,148</td>
</tr>
<tr>
<td>R-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-5</td>
<td>REPLACE</td>
<td>289 SY</td>
<td>25</td>
<td>$15,337</td>
</tr>
<tr>
<td>R-6</td>
<td>CRACK SEAL AND GRINDING</td>
<td>689 SY</td>
<td></td>
<td>$13,778</td>
</tr>
<tr>
<td>R-8</td>
<td>REPLACE</td>
<td>1,011 SY</td>
<td>26</td>
<td>$35,385</td>
</tr>
</tbody>
</table>

LEGEND

- **RED**: ANTICIPATED TO BE DEMOLISHED
- **ORANGE**: RATING 1—NEW CONDITION
- **RED**: RATING 2—GOOD CONDITION
- **GREEN**: RATING 3—FAIR CONDITION
- **BLUE**: RATING 4—POOR
- **PINK**: RATING 5—FAILING
S-11
BURY ~200 LF 4" PVC PRESSURE RETURN LINE FROM SECONDARY OVERFLOW BASIN.
COST=$500.00

S-8
SANDBLAST AND RE-COAT EXPOSED STEEL TANKS AND IRON PIPING ON PRIMARY AND SECONDARY OVERFLOW BASINS.
COST=$5,000

S-9
REPAIR AND REPLACE MISSING BITUMINOUS SHINGLE ROOFING TILES ON GAZEBO ROOF
COST=$400.00

S-10
REPAIR 60 LF FENCE AROUND WASTEWATER CONVEYANCE AND OVERFLOW FACILITY AND RESET FENCE POSTS AT 2 ACCESS GATES.
COST=$2,000

LEGEND
ANTICIPATED TO BE DEMOLISHED
RATING 1-NEW CONDITION
RATING 2-GOOD CONDITION
RATING 3-FAR CONDITION
RATING 4-POOR
RATING 5-FAILING

KEYMAP

© Taylor Engineering, Inc.
Scale: 1=100'
Sheet: 6
Page: 1

EBH INFRASTRUCTURE
MASTER PLAN
SANITARY SEWER

REVISIONS

Sheet: SA-5

100 50 0 50 100 200
0 2300 2330 2360 FEET
F=200 1932
S-5
INSTALL NEW 6" GRAVITY SEWER LINE (FAILING CONDITION)
120 LF OF 6" PIPE (10' DEEP)
COST=$10,000

S-6
INSTALL 3 NEW SEGMENTS OF 6" GRAVITY SEWER LINE (FAILING CONDITION)
120 LF OF 6" PIPE
COST=$10,000

- STRUCTURES ANTIPOATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.
W-10 REPLACE HOT WATER EXPANSION COUPLINGS IN NON-ACCESSIBLE TUNNELS ON AS-NEEDED BASIS (COND. 3) COST ON CASE-BY-CASE BASIS

W-15 ADD 6" WATER LINE LOOP ACROSS HIGHWAY TO APARTMENTS 610 LF OF 8" WATER PIPE COST $29,000

STRUCTURES ANTICIPATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.

W-3 PROVIDE DOMESTIC WATER METERS AT ALL BLOGS, 40 BLOGS TOTAL AT LV CAMPUS-WIDE COST $100,000

KEYMAP

LEGEND
ANTICIPATED TO BE DEMOLISHED
RATING 1-NEW CONDITION
RATING 2-GOOD CONDITION
RATING 3-FAIR CONDITION
RATING 4-POOR
RATING 5-FAILING
STRUCTURES ANTICIPATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.

IR-5
REPLACE 2,800 LF OF 8" IRIGATION MAIN (COND. 5)
COST (SHFT. IR-1, IR-3, IR-5) =$64,000

LEGEND:
- ANTIMICIPATED TO BE DEMOLISHED
- RATING 1—NEW CONDITION
- RATING 2—GOOD CONDITION
- RATING 3—FAIR CONDITION
- RATING 4—POOR
- RATING 5—FAILING
STRUCTURES ANTICIPATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.

R-4
REPLACE 1,350 LF OF 8" IRIGATION MAIN (COND. 4)
COST (SHR. R-3 AND R-4) $40,526.

STRUCTURES ANTICIPATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.
IR-1
IRRIGATION RESERVOIR
RECOMMENDED - REPLACE LINER
SEE PHOTOS #3 AND #4
COSTS: $143,000

REPLACE APPROX. 677' OF 10" STEEL IRRIGATION MAIN (COND. 5)
TO CLEAR LAKE RECREATION AREA
COSTS: $46,000

(canceled; use domestic water at Clear Lake for irrigation to minimize cost)
STRUCTURES ANTICIPATED TO BE DEMOLISHED. AREA NOT INCLUDED IN CONDITION COST ANALYSIS.
NORTH
400 S. Jefferson, Suite 301
Spokane, WA 99204
(T) 509.747.1888  (F) 509.747.1872

EASTERN STATE HOSPITAL
ELECTRICAL SITE DEFICIENCIES

<table>
<thead>
<tr>
<th>RECOMMENDATION</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPGRADE EASTERN STATE CAMPUS PERSONAL, DURNESS ALARM SYSTEM (POAS)</td>
<td>$3,412,000</td>
</tr>
<tr>
<td>PROVIDE TENANT FIBER-OPTIC NETWORK FROM EASTERN STATE TO LAKELAND VILLAGE</td>
<td>$250,000</td>
</tr>
</tbody>
</table>

NOTE: OTHER ELECTRICAL OPTIONS / RECOMMENDATIONS FOR EASTERN STATE HOSPITAL ARE LIMITED TO INDIVIDUAL BUILDINGS
Option 1: Upgrade Westlake Building to Full Direct Digital Control (DDC) System.

Option 4: Convert Westlake Air Handling Unit from 100% Outdoor Air to Recirculating Type.

Option 5: Repair the Heat Recovery System at the Westlake 2160 Outdoor Air Handling Unit.

Option 8: Convert the Westlake Hospital Steam Boilers and Steam Heating System to Heating Water.

Option 7: Replace the Westlake Hospital Steam Boilers.

Option 8: Convert Westlake Constant Volume Air Systems to Variable Air Volume.
NORTH BOILER PLANT 3A-34
ENERGY MANAGEMENT & CONTROL SYSTEM TERMINAL AT
THIS LOCATION CAN MONITOR ALL POINTS OF THE SYSTEM
BUT HAS NO ABILITY TO CHANGE VALUES SUCH AS
TEMPERATURE, VALVE OR DAMPER POSITION, ETC.

ESH-2
OPTION: PROVIDE FLUE GAS HEAT RECOVERY FOR THE
BOILER STACKS AT THE NORTH CAMPUS BOILER
PLANT.

ESH-3
OPTION: REPLACE DEGRAFATOR/MAKEUP WATER SYSTEM AT
NORTH BOILER PLANT.

ESH-4
OPTION: RELOCATE EXISTING EASTLAKE
DUAL-FUEL STEAM BOILERS TO NEW BOILER PLANT.

ESH-15
OPTION: SALVAGE EXISTING EASTLAKE GAS-FIRED HEATING
WATER BOILERS.

ESH-11
OPTION: FINISH RENOVATION WORK AT
THERAPY POOL.
CONSOLIDATED SUPPORT SERVICES - HVAC SHOP 4D-31
ENERGY MANAGEMENT & CONTROL SYSTEM TERMINAL AT THIS LOCATION CAN
BOTH MONITOR AND CHANGE VALUES OF ALL POINTS IN THE SYSTEM SUCH AS
TEMPERATURE, VALVE OR DAMPER POSITION, ETC.

LV-1
OPTION: REPLACE PIPE EXPANSION JOINTS IN
STEAM HEATING PIPING.
LV-3
OPTION: REPLACE EXISTING STEAM AND CONDENSATE
PIPING REDUCING STATIONS
LV-4
OPTION: REPLACE EXISTING PIPE IN THE CHILLED WATER PIPING SYSTEM
AT LAKELAND VILLAGE.

LV-12
OPTION: PROVIDE STANDALONE MECHANICAL SYSTEMS AT THE
NORTH AND SOUTH CAMPUS COTTAGES.

LV-8
OPTION: CONVERT LAKELAND VILLAGE SCHOOL BUILDING CONSTANT VOLUME AIR SYSTEM TO
VARIABLE AIR VOLUME.
LV-10
OPTION: CONVERT LAKELAND VILLAGE SCHOOL BUILDING TO DIRECT DIGITAL CONTROLS.

LAKELAND VILLAGE ENERGY (STEAM) PLANT 4D-38
ENERGY MANAGEMENT & CONTROL SYSTEM TERMINAL AT THIS LOCATION CAN
MONITOR ALL POINTS OF THE SYSTEM BUT HAS NO ABILITY TO CHANGE VALUES
SUCH AS TEMPERATURE, VALVE OR DAMPER POSITION, ETC.

LV-2
OPTION: REPLACE EXISTING NATURAL GAS BURNERS ON THE STEAM
BOILERS AT LAKELAND VILLAGE.
LV-11
OPTION: PROVIDE VACUUM CONDENSATE RETURN PUMP AT THE LAKELAND
VILLAGE STEAM PLANT.
LV-12
OPTION: PROVIDE STANDALONE MECHANICAL SYSTEMS AT THE
NORTH AND SOUTH CAMPUS COTTAGES.

LV-1
OPTION: UPGRADE THE REMAINING HOUSING
COTTAGES TO FULL DDC SYSTEM.