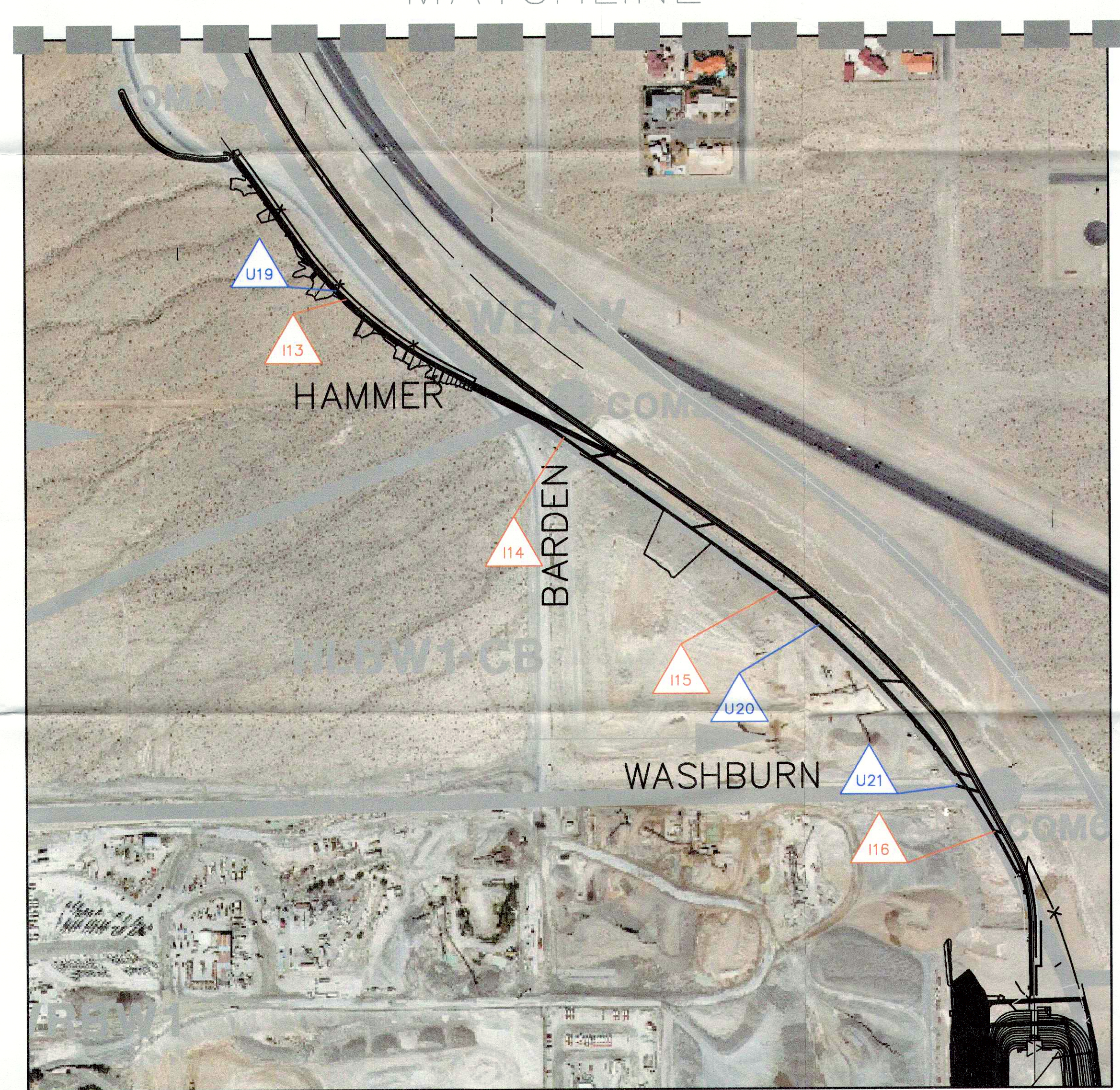
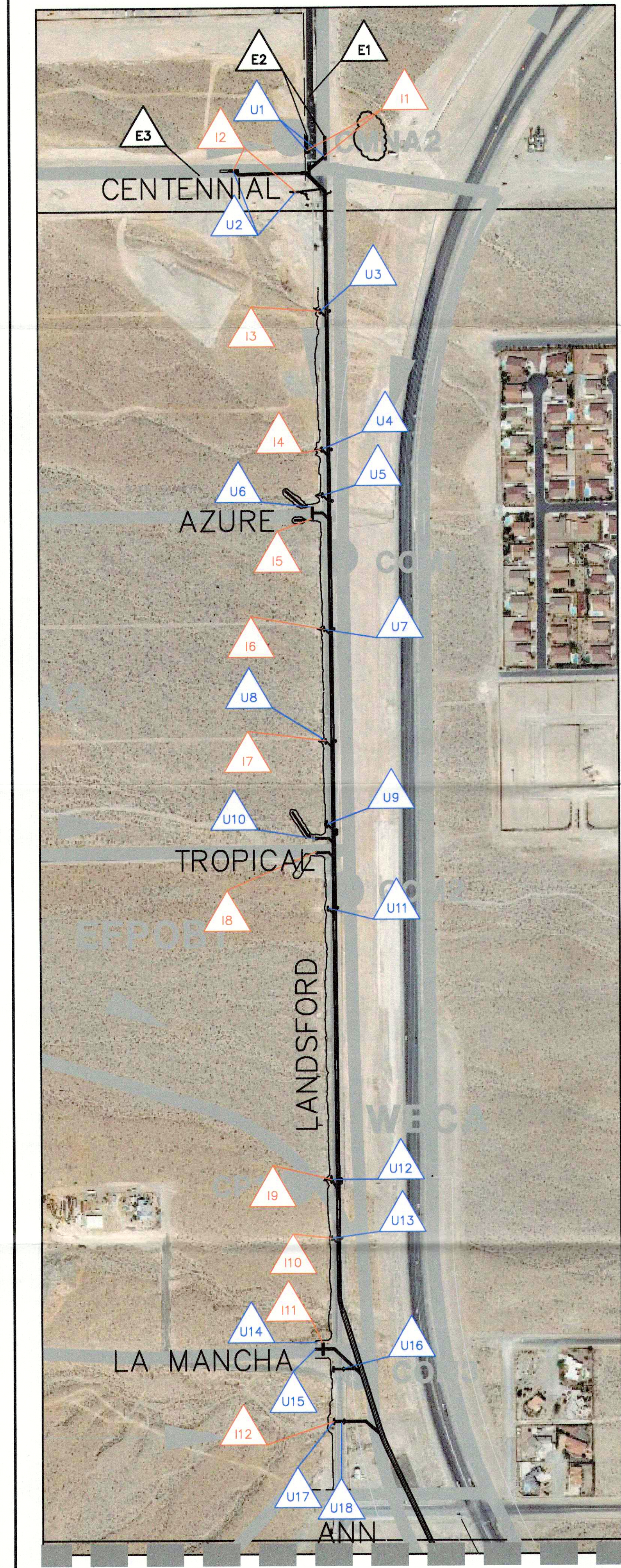




LEGEND

EXISTING FACILITY LOCATION

INTERIM FACILITY LOCATION

ULTIMATE FACILITY LOCATION

LWBW1C DRAINAGE SUBBASIN

COM15 CONCENTRATION POINT

SUBBASIN BOUNDARY

FLOW DIRECTION

| ULTIMATE CONDITIONS FACILITIES SUMMARY |                            |                         |                               |                                |                                                   |
|----------------------------------------|----------------------------|-------------------------|-------------------------------|--------------------------------|---------------------------------------------------|
| Facility                               | Location                   | Q <sub>u</sub><br>(cfs) | Q <sub>interim</sub><br>(cfs) | Q <sub>ultimate</sub><br>(cfs) | Tributary                                         |
| U1                                     | Shamber                    | 8                       | 8                             | -                              | (2) 12" Type "CM" Drop Inlets                     |
| U2                                     | Centennial                 | 357                     | 357                           | -                              | (2) 27.5" & (2) 25" Type "CM" Drop Inlets         |
| U3                                     | Sta. 829+50                | 50                      | 30                            | 20                             | (1) 15" & (1) 5" Type "CM" Drop Inlets            |
| U4                                     | Sta. 824+00                | 50                      | 34                            | 16                             | (1) 15" & (1) 5" Type "CM" Drop Inlets            |
| U5                                     | Sta. 822+00                | 50                      | 34                            | 16                             | (1) 15" & (1) 5" Type "CM" Drop Inlets            |
| U6                                     | Azure                      | 230                     | 220                           | 10                             | (2) 25" Type "CM" Drop Inlets + Trench Drain      |
| U7                                     | Sta. 817+00                | 50                      | 31                            | 19                             | (1) 15" & (1) 5" Type "CM" Drop Inlets            |
| U8                                     | Sta. 812+50                | 50                      | 31                            | 19                             | (1) 15" & (1) 5" Type "CM" Drop Inlets            |
| U9                                     | Sta. 809+00                | 100                     | 100                           | -                              | (1) 25" & (1) 20" Type "CM" Drop Inlets           |
| U10                                    | Tropical                   | 239                     | 237                           | 2                              | (2) 30" Type "CM" Drop Inlets + Mod. Trench Drain |
| U11                                    | Sta. 805+50                | 50                      | 38                            | 12                             | (1) 15" & (1) 5" Type "CM" Drop Inlets            |
| U12                                    | Sta. 795+00                | 116                     | 116                           | -                              | (1) 27.5" & (1) 20" Type "CM" Drop Inlets         |
| U13                                    | Sta. 792+50                | 50                      | 38                            | 12                             | (1) 15" & (1) 5" Type "CM" Drop Inlets            |
| U14                                    | La Mancha                  | 210                     | 198                           | 12                             | (2) 30" Type "CM" Drop Inlets + Trench Drain      |
| U15                                    | La Mancha                  | 538                     | -                             | -                              | 78" RCP Lateral                                   |
| U16                                    | Sta. 787+50                | 100                     | 100                           | -                              | (1) 17.5" & (1) 10" Type "CM" Drop Inlets in sump |
| U17                                    | Sta. 785+00                | 50                      | 40                            | 10                             | (1) 20" & (1) 15" Type "CM" Drop Inlets           |
| U18                                    | Sta. 785+00                | 423                     | -                             | -                              | 78" RCP Lateral                                   |
| U19                                    | W. of SB On-ramp           | 673                     | -                             | -                              | 8"-Wide X 6'-Deep Rect. Concrete Channel          |
| U20                                    | Sta. 762+00 to Sta. 745+00 | 222                     | -                             | -                              | 3'-Wide X 2'-Deep Rect. Concrete Channel          |
| U21                                    | Washburn                   | 298                     | -                             | -                              | CB2-U (67 cfs) + W1A-U (231 cfs)                  |

\* 10-Yr Storm Drain Flows referenced from Cliffs Edge Study (85 cfs + 63 cfs = 148 cfs).

| INTERIM CONDITIONS FACILITIES SUMMARY |                            |                         |                               |                                |                                                       |
|---------------------------------------|----------------------------|-------------------------|-------------------------------|--------------------------------|-------------------------------------------------------|
| Facility                              | Location                   | Q <sub>u</sub><br>(cfs) | Q <sub>interim</sub><br>(cfs) | Q <sub>ultimate</sub><br>(cfs) | Tributary                                             |
| I1                                    | Shamber                    | 8                       | 8                             | -                              | (2) 12" Mod. Type "C" Drop Inlets                     |
| I2                                    | Centennial                 | 280                     | 280                           | -                              | (2) 27.5" & (2) 25" Type "CM" Drop Inlets             |
| I3                                    | Sta. 829+50                | 40                      | -                             | -                              | 36" Block-out on DI                                   |
| I4                                    | Sta. 824+00                | 113                     | -                             | -                              | 3'-High X 5'-Wide Block-out on DI                     |
| I5                                    | Azure                      | 88                      | 88                            | -                              | (2) 25" Mod. Type "C" Drop Inlets + Trench Drain      |
| I6                                    | Sta. 817+00                | 23                      | -                             | -                              | 36" Block-out on DI                                   |
| I7                                    | Sta. 812+50                | 20                      | -                             | -                              | 36" Block-out on DI                                   |
| I8                                    | Tropical                   | 339                     | 315                           | 24                             | (2) 30" Mod. Type "C" Drop Inlets + Mod. Trench Drain |
| I9                                    | Sta. 795+00                | 158                     | -                             | -                              | 3'-High X 8'-Wide Block-out on DI                     |
| I10                                   | Sta. 792+50                | 43                      | -                             | -                              | 36" Block-out on DI                                   |
| I11                                   | La Mancha (North DI)       | 84                      | -                             | -                              | 3'-High X 8'-Wide Block-out on DI                     |
| I12                                   | Sta. 785+00                | 453                     | -                             | -                              | 5'-High X 15'-Wide Block-out on DI                    |
| I13                                   | W. of SB On-ramp           | 589                     | -                             | -                              | 8"-Wide X 6'-Deep Rect. Concrete Channel              |
| I14                                   | Barden                     | 107                     | -                             | -                              | 3'-Wide X 3'-Deep Channel with 48" Lateral            |
| I15                                   | Sta. 762+00 to Sta. 745+00 | 154                     | -                             | -                              | 3'-Wide X 2'-Deep Channel with 36" Lateral            |
| I16                                   | Washburn                   | 119                     | -                             | -                              | 3'-Wide X 2'-Deep Channel with 36" Lateral            |

| EXISTING FACILITIES SUMMARY |                          |                         |                               |                                |                                             |
|-----------------------------|--------------------------|-------------------------|-------------------------------|--------------------------------|---------------------------------------------|
| Facility                    | Location                 | Q <sub>u</sub><br>(cfs) | Q <sub>interim</sub><br>(cfs) | Q <sub>ultimate</sub><br>(cfs) | Tributary                                   |
| E1                          | Shamber N. of Centennial | 81                      | -                             | -                              | 42" RCP                                     |
| E2                          | Shamber N. of Centennial | 137                     | 129                           | 8                              | (2) 21" and (2) 12" Type "CM-2" Drop Inlets |
| E3                          | Centennial               | 63                      | -                             | -                              | 36" RCP                                     |

DESIGN: \_\_\_\_\_ CHECK: \_\_\_\_\_ ISSUE DATE: \_\_\_\_\_ PLOT DATE: 07-25-08

DATE: \_\_\_\_\_ AGEN: \_\_\_\_\_ APP: \_\_\_\_\_ DATE: \_\_\_\_\_ REV: \_\_\_\_\_ DATE: \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_

WESTERN SEGMENT OF THE LAS VEGAS BELTWAY

CRAIG ROAD TO HUALAPAI WAY

GOWAN BELTWAY WEST CHANNEL COLLECTION FACILITIES

FIGURE 7

DRAWING

FIG7

SHT OF \_\_\_\_\_

SHTS \_\_\_\_\_

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