



GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL COMPLY WITH THE PROJECT DRAWINGS AND PROJECT SPECIFICATIONS. IF CONFLICTS ARE NOTED, CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO START OF CONSTRUCTION.
2. ANY KNOWN SEWER MAINS, WATER MAINS, GAS MAINS, STORM MAINS, IRRIGATION LINES, TELEPHONE CONDUITS ELECTRIC CABLES, ANOTHER UNDERGROUND STRUCTURES ARE SHOWN ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION AND QUANTITIES OF UTILITIES AND STRUCTURES SHOWN. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR BUT IS NOT GUARANTEED TO BE EITHER CORRECT OR COMPLETE, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. THE CONTRACTOR SHALL MAKE SUCH INVESTIGATION AS HE THINKS NECESSARY TO VERIFY ITS CORRECTNESS AND COMPLETENESS. THE CONTRACTOR SHALL, AHEAD OF EXCAVATOR, LOCATE UNDERGROUND UTILITIES AND STRUCTURES SO THAT THEY WILL NOT BE ACCIDENTALLY CUT OR DAMAGED BY HIS CONSTRUCTION OPERATION, AND SO THAT THE GRADE OF THE PIPE CAN BE ADJUSTED AS REQUIRED.
3. CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SAFETY, INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNING, TRAFFIC CONTROL AND SECURITY.
4. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN UP-TO-DATE "AS-BUILT" DRAWINGS THROUGHOUT THE PROJECT. THESE DRAWINGS SHALL BE PROVIDED TO THE OWNER UPON COMPLETION OF THE PROJECT.
5. CONTRACTOR SHALL TAKE THE NECESSARY MEASURES TO PROTECT ALL FACILITIES (I.E. LIGHT POLES, TRASH CANS, MISC. FEATURES OUTSIDE OF THE WORK AREAS ETC.) DURING CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY TRAFFIC CONTROL FOR MATERIALS REMOVAL AND DELIVERIES DURING THE CONSTRUCTION OF THE PROJECT.
7. ALL TRAFFIC CONTROL (I.E. SIGNAGE, CONES, BARRICADES) SHALL CONFORM TO THE MOST CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND OGDEN CITY REQUIREMENTS FOR REMOVALS AND DELIVERIES.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAKING.
9. THE CONTRACTOR SHALL NOTIFY OGDEN ATC AND DFCM STAFF 48 HOURS PRIOR TO MOBILIZING TO PROJECT AND BEGINNING DEMOLITION AND REMOVALS.
10. THE CONTRACTOR SHALL PROVIDE AND ON-SITE TOILET AT BOTH SITES FOR THE DURATION OF THE PROJECT.
11. THE CONTRACTOR SHALL BARRICADE AND SIGN ALL WORK AREAS DENYING ACCESS TO ALL BUT THE CONTRACTORS EMPLOYEES AND SUBCONTRACTORS.
12. THE CONTRACTOR SHALL PROTECT THE EXISTING SIDEWALK AND CURB AND GUTTER FROM DAMAGE AT ENTRANCES AND EXITS. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO EXISTING CURB AND GUTTER, STORM DRAINS, ETC. DUE TO CONSTRUCTION ACTIVITIES AT NO COST TO THE OWNER.

SHEET INDEX



SHEETS C-101 TO C-105, A1.1

SHEETS C-106 TO C-108

**King**  
Engineering,  
Inc.

2825 E Cottonwood Parkway  
Salt Lake City, Utah 84121  
Phone: 801.990.3170  
Fax: 801.990.3293  
Internet: www.pavementmanagement.com

CREATED BY: KING ENGINEERING, INC.



SITE/LOCATION:

OGDEN  
WEBER  
APPLIED  
TECHNOLOGY  
CENTER

PROJECT TITLE:

RECONSTRUCT  
PARKING LOTS

MARK	DATE	DESCRIPTION
		ISSUE TYPE: BID SET

ISSUE DATE: JUNE 15, 2010

SLCC PROJECT NO: 09021240  
CAD PROJECT NO: 02-XXX  
CAD DWG FILE: KE1117NCSSHEET.DWG  
DRAWN BY: JEK  
CHK'D BY: JEK  
COPYRIGHT:

SHEET TITLE  
SHEET INDEX  
PROJECT NOTES

SHEET NUMBER

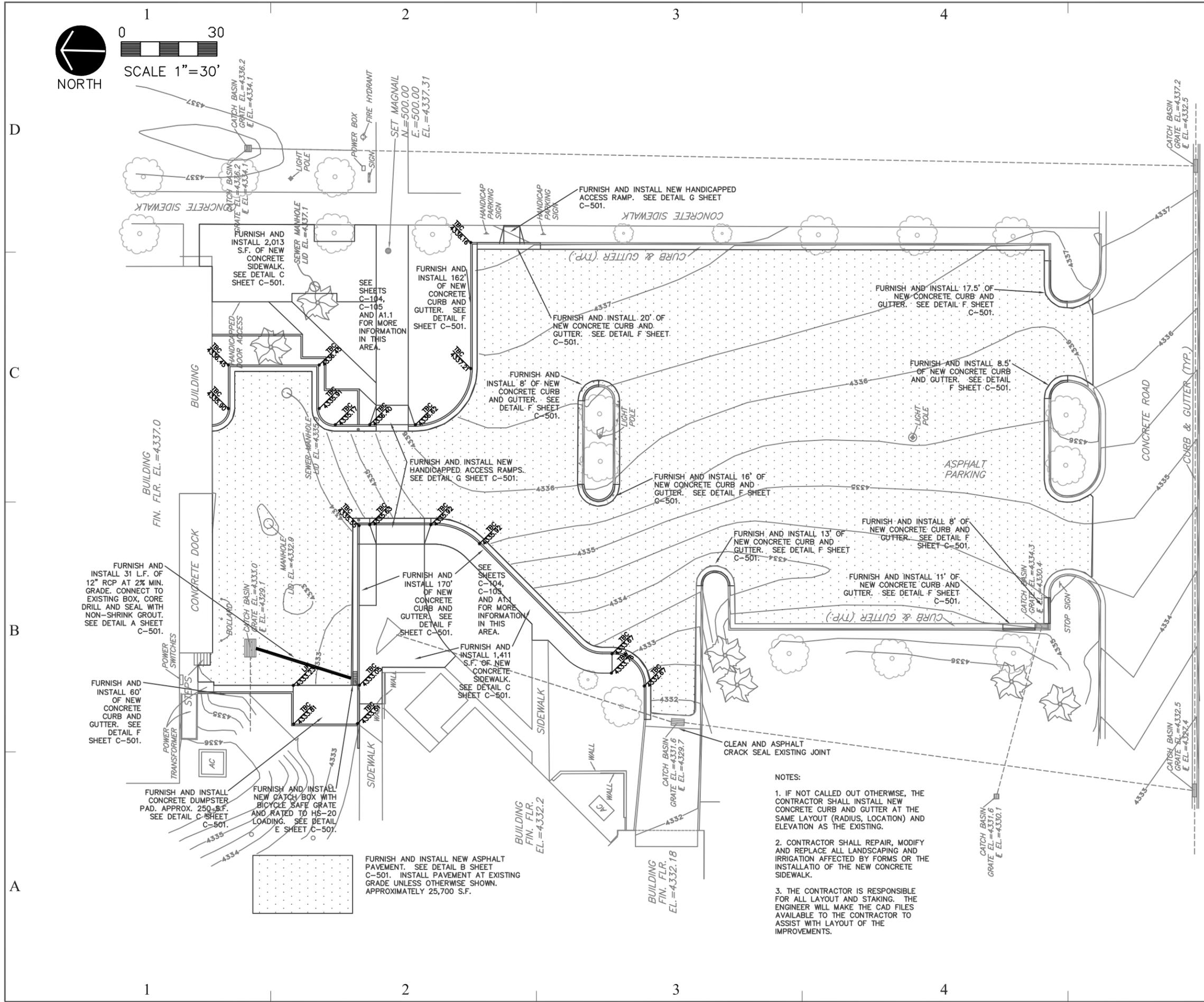
**G-002**

SHEET 2 OF 12





0 30  
SCALE 1"=30'



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ISSUE DATE: JUNE 15, 2010

SLCC PROJECT NO: 09021240  
CAD PROJECT NO: 02-XXX  
CAD DWG FILE: C-102.DWG  
DRAWN BY: AD  
CHK'D BY: JEK  
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SHEET TITLE

WEST LAYOUT  
AND GRADING

SHEET NUMBER

**C-102**

SHEET 4 OF 12

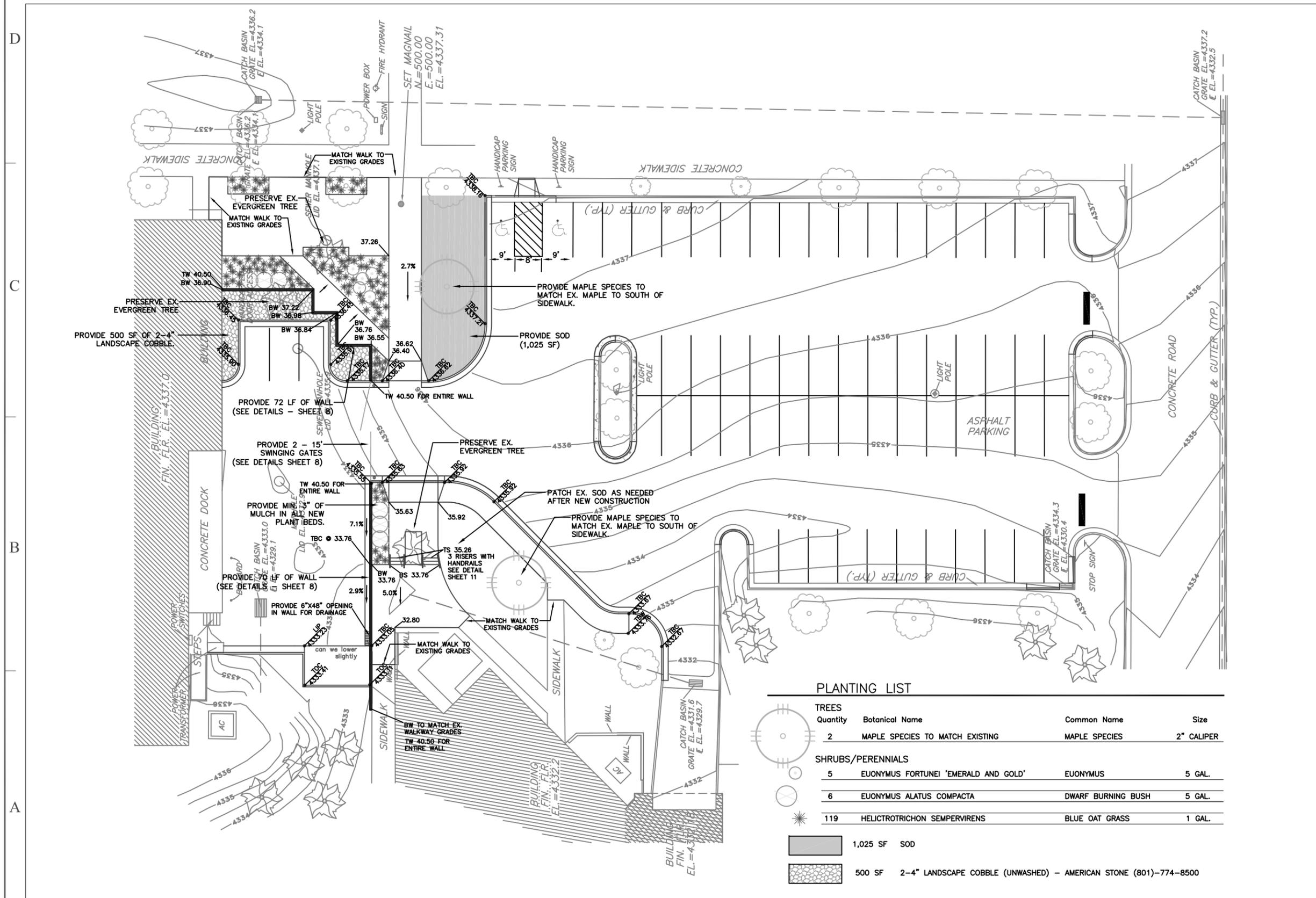
- NOTES:
1. IF NOT CALLED OUT OTHERWISE, THE CONTRACTOR SHALL INSTALL NEW CONCRETE CURB AND GUTTER AT THE SAME LAYOUT (RADIUS, LOCATION) AND ELEVATION AS THE EXISTING.
  2. CONTRACTOR SHALL REPAIR, MODIFY AND REPLACE ALL LANDSCAPING AND IRRIGATION AFFECTED BY FORMS OR THE INSTALLATIO OF THE NEW CONCRETE SIDEWALK.
  3. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT AND STAKING. THE ENGINEER WILL MAKE THE CAD FILES AVAILABLE TO THE CONTRACTOR TO ASSIST WITH LAYOUT OF THE IMPROVEMENTS.





0 30  
SCALE 1"=30'

NORTH



PLANTING LIST

TREES			
Quantity	Botanical Name	Common Name	Size
2	MAPLE SPECIES TO MATCH EXISTING	MAPLE SPECIES	2" CALIPER
SHRUBS/PERENNIALS			
5	EUONYMUS FORTUNEI 'EMERALD AND GOLD'	EUONYMUS	5 GAL.
6	EUONYMUS ALATUS COMPACTA	DWARF BURNING BUSH	5 GAL.
119	HELICTROTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL.

- 1,025 SF SOD
- 500 SF 2-4" LANDSCAPE COBBLE (UNWASHED) - AMERICAN STONE (801)-774-8500

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MARK DATE DESCRIPTION  
ISSUE TYPE: BID SET

ISSUE DATE: JUNE 15, 2010

SLCC PROJECT NO: 09021240  
CAD PROJECT NO: 02-XXX  
CAD DWG FILE: C-104.DWG  
DRAWN BY: AD  
CHK'D BY: JEK  
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SHEET TITLE  
WEST SITE  
PLAN

SHEET NUMBER

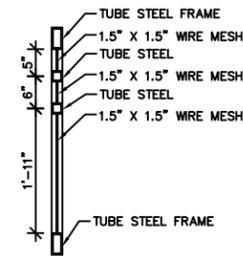
**C-104**

SHEET 6 OF 12

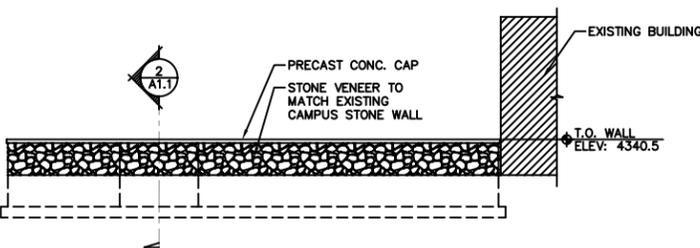


# MASONRY NOTES

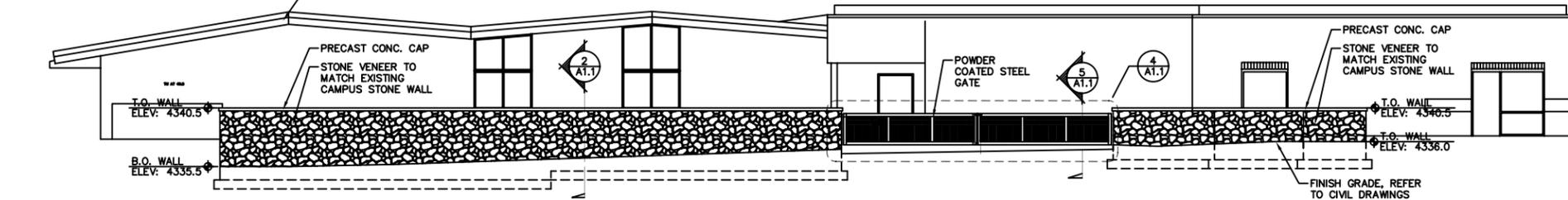
- CODES AND STANDARDS:
  - MASONRY WORK SHALL COMPLY WITH THE AMERICAN CONCRETE INSTITUTE (ACI) 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES".
- MATERIALS:
  - MASONRY WALL CONSTRUCTION SHALL CONSIST OF OF GRADE N, TYPE II, MEDIUM WEIGHT OR NORMAL-WEIGHT, CLOSED END, CONCRETE MASONRY UNITS (CMU's) CONFORMING TO ASTM C90.
  - MORTAR SHALL BE TYPE "S" AS DEFINED BY THE ACI AND SHALL CONFORM TO ASTM C270, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS. IT SHALL CONSIST OF 1.0 PART PORTLAND CEMENT, 0.25 TO 0.5 PARTS HYDRATED LIME OR PUTTY LIME, AND 3.5 TO 4.5 PARTS SAND. ALL MEASUREMENTS ARE PARTS BY VOLUME. NO ADDITIVES ARE ALLOWED.
  - GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. IT SHALL BE OF A FLUID CONSISTENCY AND SHALL CONSIST OF A MINIMUM OF 1.0 PART PORTLAND CEMENT, 2.25 TO 3.0 PARTS SAND, AND MAY CONTAIN AN ADDITIONAL 1 TO 2 PARTS PEA GRAVEL IF GROUT SPACES ARE 4" OR MORE IN EVERY DIRECTION. ALL MEASUREMENTS ARE PARTS BY VOLUME. DO NOT USE FLY ASH IN GROUT.
  - PRISM TESTS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF F'M=1,500 PSI AT 28 DAYS.
- CONSTRUCTION:
  - ALL MASONRY BLOCK SHALL BE STORED UNDER COVER AT THE JOB SITE.
  - FACE SHELLS SHALL BE FULLY BEDDED.
  - MORTAR JOINTS SHALL BE TOOLED CONCAVE.
  - DO NOT USE MORTAR FOR GROUT.
  - DO NOT USE ANY FROZEN MATERIAL.
  - GROUT SHALL BE POURED IN ACCORDANCE WITH LOW LIFT PROCEDURES PER THE IBC, TYPICAL, UNLESS NOTED OTHERWISE.
  - GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACING AND RECONSOLIDATED AFTER EXCESS MOISTURE HAS BEEN ABSORBED BUT BEFORE WORKABILITY IS LOST.



5 GATE SECTION  
SCALE: 3/4" = 1'-0"



3 EAST WALL ELEVATION  
SCALE: 1/8" = 1'-0"



4 GATE ELEVATION  
SCALE: 1/4" = 1'-0"

1 SOUTH WALL ELEVATION  
SCALE: 1/8" = 1'-0"

# REINFORCING STEEL NOTES

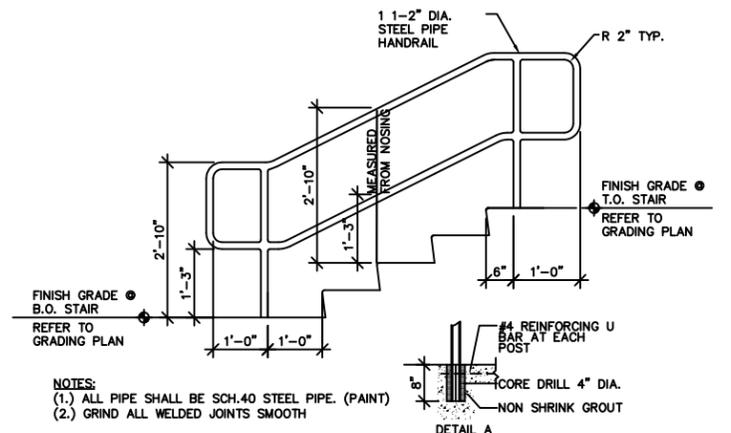
- CODES AND STANDARDS:
  - REINFORCING STEEL SHALL COMPLY WITH:
    - AMERICAN CONCRETE INSTITUTE BUILDING CODE & COMMENTARY ACI 318.
    - AMERICAN CONCRETE INSTITUTE "DETAILING MANUAL", ACI 315 (OR SP-88).
- MATERIALS:
  - REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS AND SHALL CONFORM TO ASTM A615, GRADE 60, WITH A DESIGN YIELD STRENGTH OF 60,000 PSI, EXCEPT AS NOTED BELOW.
    - DOWELS TO BE BENT IN THE FIELD DURING CONSTRUCTION SHALL BE ASTM A615, GRADE 40 OR ASTM A706, GRADE 60, "LOW ALLOY STEEL".
    - REINFORCING TO BE WELDED SHALL BE ASTM A706, GRADE 60, "LOW-ALLOY STEEL".
  - MASONRY JOINT REINFORCING SHALL BE MANUFACTURED FROM WIRE WHICH CONFORMS TO ASTM A82.
- CONSTRUCTION:
  - REINFORCING SHALL BE DETAILED, BOLSTERED, AND SUPPORTED PER ACI 315.
  - REINFORCING STEEL SHALL BE FREE OF LOOSE, FLAKY RUST, SCALE, GREASE, OIL, DIRT, AND OTHER MATERIALS WHICH MIGHT AFFECT OR IMPAIR BOND.
  - REINFORCING SHALL BE CONTINUOUS IN WALLS, BEAMS, COLUMNS, SLABS, FOOTINGS, ETC.
  - SPLICES IN CONTINUOUS REINFORCING SHALL BE MADE IN AREAS OF COMPRESSION AND/OR AT POINTS OF MINIMUM STRESS, TYPICAL UNLESS NOTED OTHERWISE. LAP SPLICES SHALL BE 40 BAR DIAMETERS LONG IN CONCRETE AND 48 BAR DIAMETERS LONG IN MASONRY. MINIMUM LAP SHALL BE 24 INCHES LONG. DOWELS SHALL HAVE A MINIMUM OF 30 BAR DIAMETERS EMBEDMENT. TENSION SPLICES SHALL BE USED IN CONCRETE WHEN SPECIFICALLY NOTED, USE A CLASS B SPLICE. SPLICES IN TOP BARS IN SUSPENDED SLABS AND BEAMS SHALL BE MADE AT MID SPAN. SPLICES IN BOTTOM BARS IN SUSPENDED SLABS AND BEAMS SHALL BE MADE AT SUPPORTS.
  - BENDS SHALL BE MADE COLD. DO NOT USE HEAT. BENDS SHALL BE DONE IN THE FABRICATOR'S SHOP UNLESS SPECIFICALLY NOTED FOR THE FIELD. DO NOT UN-BEND OR RE-BEND A PREVIOUSLY BENT BAR.
  - REINFORCING STEEL IN MASONRY SHALL BE PLACED PRIOR TO GROUTING AND SHALL BE PLACED, POSITIONED, AND LOCATED ACCORDING TO THE STRUCTURAL DRAWINGS. IT SHALL BE SECURED AGAINST DISPLACEMENT AT INTERVALS NOT TO EXCEED 200 BAR DIAMETERS OR TEN FEET.
  - NO REINFORCING STEEL SHALL BE WELDED UNLESS SPECIFICALLY NOTED AS SUCH. USE EPOXY ELECTRODES AND ASTM A706 REINFORCING. COMPLY WITH AWS REQUIREMENTS.
  - EPOXY COATED REINFORCING BARS SHALL BE USED WHEN SPECIFICALLY NOTED. INCREASE LAP SPLICE LENGTHS AS REQUIRED BY THE IBC.

- ALL CELLS WHICH CONTAIN REINFORCING, BOLTS, ANCHORS, ETC. AND AS OTHERWISE SPECIFIED SHALL BE GROUTED SOLID. ALL CELLS WHICH ARE TO BE GROUTED SHALL BE CLEAN AND FREE FROM DELETERIOUS MATERIALS.
    - HOLES FOR BOLTS IN MASONRY FACE OR END SHELLS SHALL HAVE A DIAMETER TWO INCHES LARGER THAN THE BOLT DIAMETER AND THE HOLE SHALL BE FILLED WITH GROUT.
    - PRIOR TO PLACING MASONRY, CHECK WITH ALL TRADES TO INSURE PROPER PLACEMENT OF OPENINGS, BLOCK OUTS, SLEEVES, CURBS, CONDUITS, BOLTS, INSERTS, EMBEDS, DOWELS, ETC.
  - WALLS:
    - MASONRY WALLS SHALL BE CONSTRUCTED UTILIZING COMMON RUNNING BOND, TYPICAL, UNLESS NOTED OTHERWISE.
    - MASONRY WALLS SHALL BE BUILT AS AN INTEGRAL UNIT AT CORNERS AND INTERSECTIONS. REINFORCING SHALL BE CONTINUOUS AND BACK TO BACK END SHELLS SHALL BE REMOVED.
    - MASONRY WALLS SHALL BE REINFORCED AS FOLLOWS, UNLESS NOTED OTHERWISE.
 

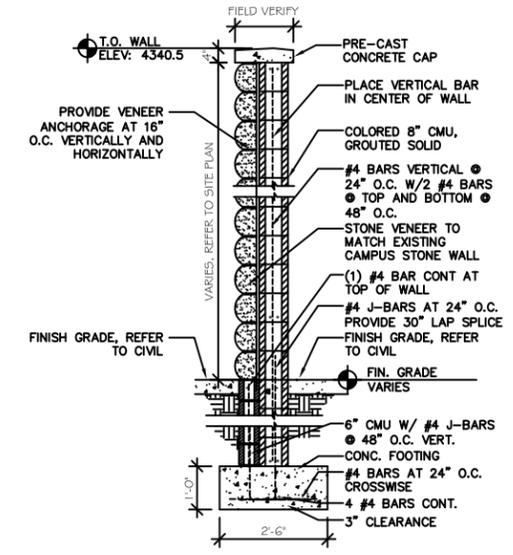
WALL THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING
6"	1-#4 @ 48" O.C.	1-#4 @ 48" O.C.
8"	1-#4 @ 24" O.C.	2-#4 @ 48" O.C.
- PROVIDE LADDER-TYPE JOINT REINFORCING CONSISTING OF 2-#9 WIRES (3-#9 WIRES AT VENEER) AT 16" O.C. HORIZONTALLY IN ALL MASONRY WALLS. SEE PLANS, SCHEDULES, AND DETAILS FOR OTHER REINFORCING REQUIREMENTS.
- PLACE VERTICAL REINFORCING IN THE CENTER OF THE WALL UNLESS EACH FACE IS SPECIFIED OR UNLESS NOTED OTHERWISE.
  - VERTICAL REINFORCING SHALL BE DOWELED TO CONCRETE FOOTING OR FOUNDATION WALL BELOW AND TO STRUCTURE ABOVE WITH THE SAME SIZE BAR AND SPACING, TYPICAL, UNLESS NOTED OTHERWISE.
  - PROVIDE VERTICAL REINFORCING IN GROUTED CELL AT ALL CORNERS AND INTERSECTIONS.
  - PROVIDE CORNER BARS AT ALL INTERSECTIONS AND CORNERS. USE SAME SIZE BAR AND SPACING AS THE HORIZONTAL REINFORCING.
  - HORIZONTAL REINFORCING SHALL TERMINATE AT THE ENDS OF WALLS AND AT OPENINGS WITH A STANDARD HOOK.
  - HORIZONTAL REINFORCING SHALL OCCUR AT THE TOP AND BOTTOM COURSE OF ALL MASONRY WALLS EXCEPT THE BOTTOM COURSE. HORIZONTAL REINFORCING MAY BE OMITTED WHEN THE WALL IS DOWELED TO A CONCRETE FOUNDATION WALL BELOW.
  - PROVIDE EXPANSION JOINTS AS PER THE ARCHITECTURAL DRAWINGS.

**BERTOLDI ARCHITECTS**  
ARCHITECTURE • PLANNING • INTERIORS  
2726 HARRISON BLVD. OGDEN, UT PH. 801.476.4330  
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- ### GATE GENERAL NOTES:
- GATE IS TO BE CONSTRUCTED WITH THE INDICATED OVERALL DESIGN.
  - GATE SUPPLIER TO DESIGN GATE STRUCTURE TO MEET SPAN AND LOAD CONDITION INCLUDING ANCHORING TO CMU WALL, HINGES AND SUPPORT SYSTEM.
  - CONSTRUCTOR TO PROVIDE SHOP DRAWINGS OF FINAL GATE TO BE PROVIDED.
  - GATE, HARDWARE AND ACCESSORIES ARE TO BE POWDER COATED. COLOR BY OWNER.



6 STAIR DETAIL  
SCALE: 3/4" = 1'-0"



- NOTES:
- BOTTOM OF FOOTING TO BE MIN. 2'-6" BELOW ADJACENT LOWEST FINISH GRADE OF EITHER SIDE OF WALL.
  - PROVIDE (2) #4 BARS AT ALL CORNERS AND ENDS OF WALL.
  - SEE ATTACHED STRUCTURAL NOTES FOR MASONRY AND REINFORCING.

2 WALL SECTION  
SCALE: 1/2" = 1'-0"

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Salt Lake City, Utah 84121  
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SITE/LOCATION:  
**OGDEN WEBER APPLIED TECHNOLOGY CENTER**

PROJECT TITLE:  
**RECONSTRUCT PARKING LOTS**

MARK	DATE	DESCRIPTION

ISSUE DATE: JUNE 15, 2010

SLCC PROJECT NO: 09021240  
CAD PROJECT NO: 02-XXX  
CAD DWG FILE: A1.1.DWG  
DRAWN BY:  
CHK'D BY:  
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SHEET TITLE  
**EXT. ELEVATIONS AND WALL SECTION**

SHEET NUMBER

**A1.1**

SHEET 8 OF 12



0 30  
SCALE 1"=30'

D

C

B

A

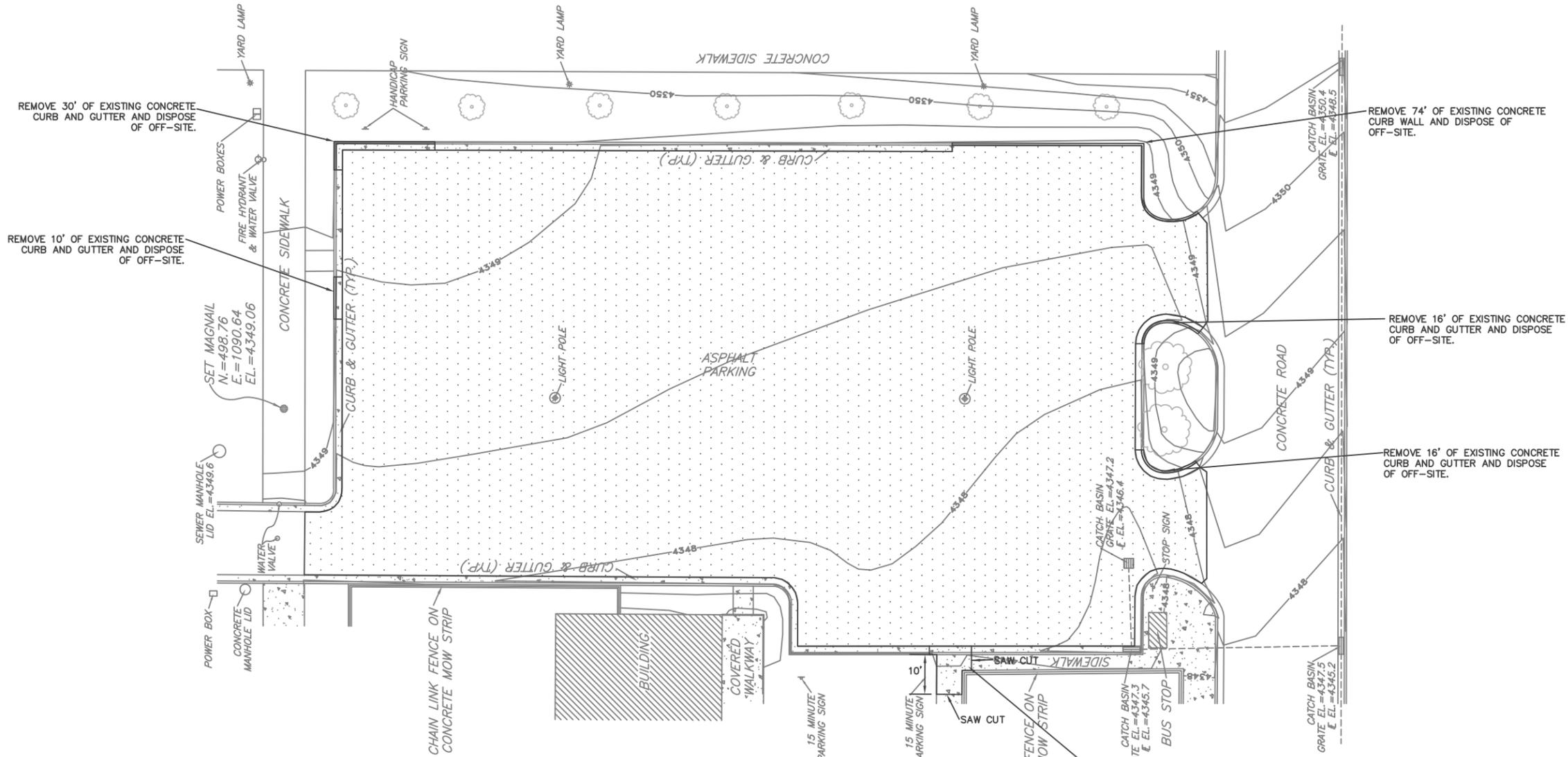
1

2

3

4

5



DEMOLITION. REMOVE EXISTING ASPHALT PAVEMENT AND BASE MATERIAL TO A 23" DEPTH. DISPOSE OF AT AN APPROVED FACILITY OFF-SITE. PROTECT ALL EXISTING UTILITIES, BOXES, METERS, COVERS, CONCRETE, LIGHT POLES, IN-PLACE. APPROXIMATELY 21,278 S.F.

CONCRETE REMOVAL NOTES  
 1. REMOVE CONCRETE CURB AND GUTTER AND SIDEWALK WHERE SHOWN TO THE NEAREST CLEAN JOINT UNLESS OTHERWISE NOTED.  
 2. QUANTITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID.

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SHEET TITLE

EAST DEMO  
 PLAN

SHEET NUMBER

**C-106**

SHEET 9 OF 12





