

STATE OF UTAH DEPARTMENT OF WORKFORCE SERVICES

ACADEMY SQUARE

PARKING IMPROVEMENTS

MANAGED BY:

DIVISION OF FACILITIES CONSTRUCTION AND
MANAGEMENT

DFCM PROJECT 07275310

APPROVALS:

Prime Agency _____ Date _____

DFCM _____ Date _____

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY



State of Utah—Department of Administrative Services
DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

CONSTRUCTION DRAWINGS
DECEMBER, 2007



Engineers Surveyors Planners



1047 S 100 W SUITE 180
LOGAN, UTAH 84321
(435) 713-9514

GENERAL NOTES:

- DFCM and the Engineer have jurisdiction over this project. Contractor shall obtain all necessary permits and business licenses prior to construction. Permits shall include, but not be limited to water, sewer, curb & gutter, storm water and grading.
- Contractor is responsible for dust abatement and any liability issues related to dust at any location which may be caused by this project.
- The Contractor is responsible for traffic control and protection of pedestrians in and around this work. Reference the manual on uniform traffic control devices (MUTCD latest edition for work zone traffic control). Warning and/or danger signs shall be required. Such flagmen or personnel as is necessary shall be readily available, especially when loaded or unloaded trucks- equipment are ingressing or egressing onto the job site. The contractor shall use the suggested traffic control plan, if included in plans, or submit a plan of his/her own for approval by the Engineer and/or the Owner and other regulator agencies.
- Any work done within a public right-of-way shall be coordinated with the appropriate transportation agency and shall meet the requirements of that agency and, in particular, requirements of any right-of-way special use permit, or other permit. All work shall meet current OSHA requirements.
- Where work is performed on easements, the contractor shall take every precaution to eliminate any adverse effects on the adjacent property and/or to restore it to its original condition.
- All distances and data shall be checked by the contractor prior to the start of construction. In case of conflict the engineer shall be notified immediately so that clarification may be made prior to the start of the work.
- The contractor shall be responsible for disposal and fees of all materials removed or demolished on site.
- The Contractor shall arrange for, secure and pay for directly, any and all temporary utility supplies it may require for prosecution of its work. The cost of such utilities shall be included in the appropriate bid item with which it is associated.
- Should construction be halted because of inclement weather conditions, the Contractor will completely clean up all areas and maintain the surface in good condition during the shut-down period. No excavation in paved streets will be allowed if weather conditions do not permit repaving of the pipeline trench.
- The Contractor's personnel, equipment, and operations shall comply fully with all applicable standards, regulations, and requirements of existing Federal, Utah State, and Local governmental agencies.
- No person shall be cut off from access to his residence or place of business for a period exceeding eight (8) hours, unless the Contractor has made special arrangements with the affected persons prior to commencing work in the area.
- The Contractor shall preserve existing City, County, State, and Federal land monuments whenever possible. If a monument must be moved the engineer shall be contacted 2 weeks prior to removal to arrange for relocation.
- The Contractor shall be responsible for obtaining all local, State, and Federal permits required for stormwater pollution prevention as a result of construction activities. When called for in the Contract Documents, the Contractor shall prepare a Stormwater Pollution Prevention Plan for approval by the Engineer. If the construction will disturb more than one acre, the Contractor shall obtain a copy of the U.S. Environmental Protection Agency's NPDES General Permit for Storm Water Discharges Associated with Construction Activity (otherwise known as the Construction General Permit or CGP) and submit a "Notice of Intent" (NOI) [EPA Form 3510-9 (6/03)] for permit coverage under the General Permit. The CGP may be found on the Internet at <http://www.epa.gov/npdes/stormwater/cgp> or by contacting the U.S. EPA Office of Water directly at (800) 424-4372. The NOI may be filed electronically at the following website: <http://efpub.epa.gov/npdes/stormwater/enoi.cfm>. The CGP does not relieve the Contractor from compliance with other regulations or contract requirements regarding stormwater pollution prevention including but not limited to: protection of surface waters, prevention of soil runoff into drains, dust control, prevention of tracking soils to adjacent streets, fuel containment, spill control, etc.

EXISTING UTILITIES

1. Approximate locations of utilities are shown on the plans. They are to be used for general information only. It is the responsibility of the contractor to notify the appropriate utility companies when construction might interfere with normal operation of any utilities. It shall also be the contractor's responsibility to have the appropriate utility company field-locate any utility installations which might be affected by construction prior to beginning work in that area. The contractor shall be responsible for maintaining service of existing utilities and for restoring any utilities damaged due to construction at no additional cost to the owner. Depths and elevations of utilities are unknown unless otherwise shown. Contractor shall field verify utility depths, elevations, any discrepancies and/or conflicts shall be brought to the attention of the Engineer immediately.

INSPECTIONS AND TESTING

1. The Owner shall be responsible for all materials testing including but not limited to concrete, asphalt, compaction, sewer and water. All tests shall meet minimum Engineer requirements. See the contract documents and drawings for frequency of testing. Results are to be delivered to Special Inspector, Owner and Architect.

2. Pressure, deflection and other tests relating to pipeline installation shall be paid for and performed by the Contractor.

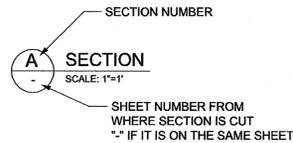
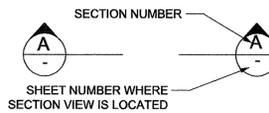
3. The Contractor is responsible to coordinate with Architect and Special Inspector for inspections of work at appropriate intervals. It shall be the Contractor's responsibility to pay for additional inspections that are the result of his workmanship.

4. The Contractor is responsible for sewage & drainage tests.

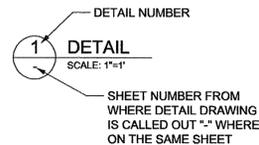
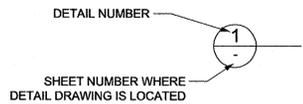
SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.

SECTION IDENTIFICATION



DETAIL IDENTIFICATION



ABBREVIATIONS

- FL - FLOW LINE
- TBC - TOP BACK OF CURB
- WW - WATER WAY

LINE LEGEND

NEW	EXISTING	
---	---	CENTERLINE
---	---	PROPERTY LINE
---	---	EASEMENTS
---	---	CONTOUR
---	---	CULINARY_WATER
---	---	SECONDARY_WATER
---	---	ELECTRIC
---	---	GAS_LINE
---	---	SANITARY_SEWER
---	---	STORM_DRAIN
---	---	TELEPHONE
---	---	FIBER_OPTICS
---	---	IRRIGATION
---	---	LAND_DRAIN
---	---	CABLE_TV
---	---	DITCH
---	---	CHAINLINK_FENCE
---	---	BARBWIRE_FENCE
---	---	GUARD_RAIL
---	---	EDGE_OF ASPHALT

1.	G-001	COVER SHEET
2.	C-001	CIVIL NOTES & INDEX TO SHEETS
3.	C-101	DEMOLITION PLAN
4.	C-102	SITE PLAN
5.	C-103	SITE PLAN
6.	C-104	SITE PLAN (ALTERNATIVE BID)
7.	C-105	GRADING PLAN
8.	C-106	DRAINAGE/UTILITY PLAN
9.	C-501	CIVIL DETAILS
10.	C-502	CIVIL DETAILS
11.	L-101	LANDSCAPE PLANTING PLAN
12.	L-102	LANDSCAPE IRRIGATION PLAN
13.	L-501	LANDSCAPE DETAILS
14.	E-101	ELECTRICAL PLAN
15.	E-501	SCHEDULES AND DETAILS

PROJECT LOCATION



VICINITY MAP

PROJECT ADDRESS
950 E 25TH ST
OGDEN, UT

NOTE: AERIAL PHOTOGRAPH IS FOR PROJECT LOCATION ONLY. ACTUAL SITE CHARACTERISTICS HAVE CHANGED.

Division of Facilities
Construction & Management
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Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: <http://dfcm.utah.gov>

CREATED BY: DFCM



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Orem, UT Office (801) 226-0393

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Pocatello, ID Office (208) 232-1313

Other Offices in Boise, ID, Twin Falls, ID, Nampa, ID, Couer d'Alene, ID, Kennewick, WA, Spokane, WA

BUILDING NAME:

**RM# 09843
ACADEMY SQUARE
OGDEN UTAH
WEBER COUNTY**

PROJECT TITLE:

**ACADEMY SQUARE
PARKING
IMPROVEMENTS
OGDEN, UTAH**



MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DRAWINGS

ISSUE DATE: DECEMBER, 2007

DFCM PROJECT NO: 07275310

CAD PROJECT NO: 57-07-022

CAD DWG FILE: ...CAD\SheetFiles\C-001.dwg

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SHEET TITLE

CIVIL NOTES

SHEET NUMBER

C-001

SHEET 2 OF 15



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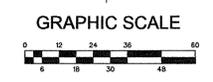


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ISSUE DATE: DECEMBER, 2007		
DFCM PROJECT NO: 07275310		
CAD PROJECT NO: 57-07-022		
CAD DWG FILE: ...CAD\SheetFiles\C-101.dwg		
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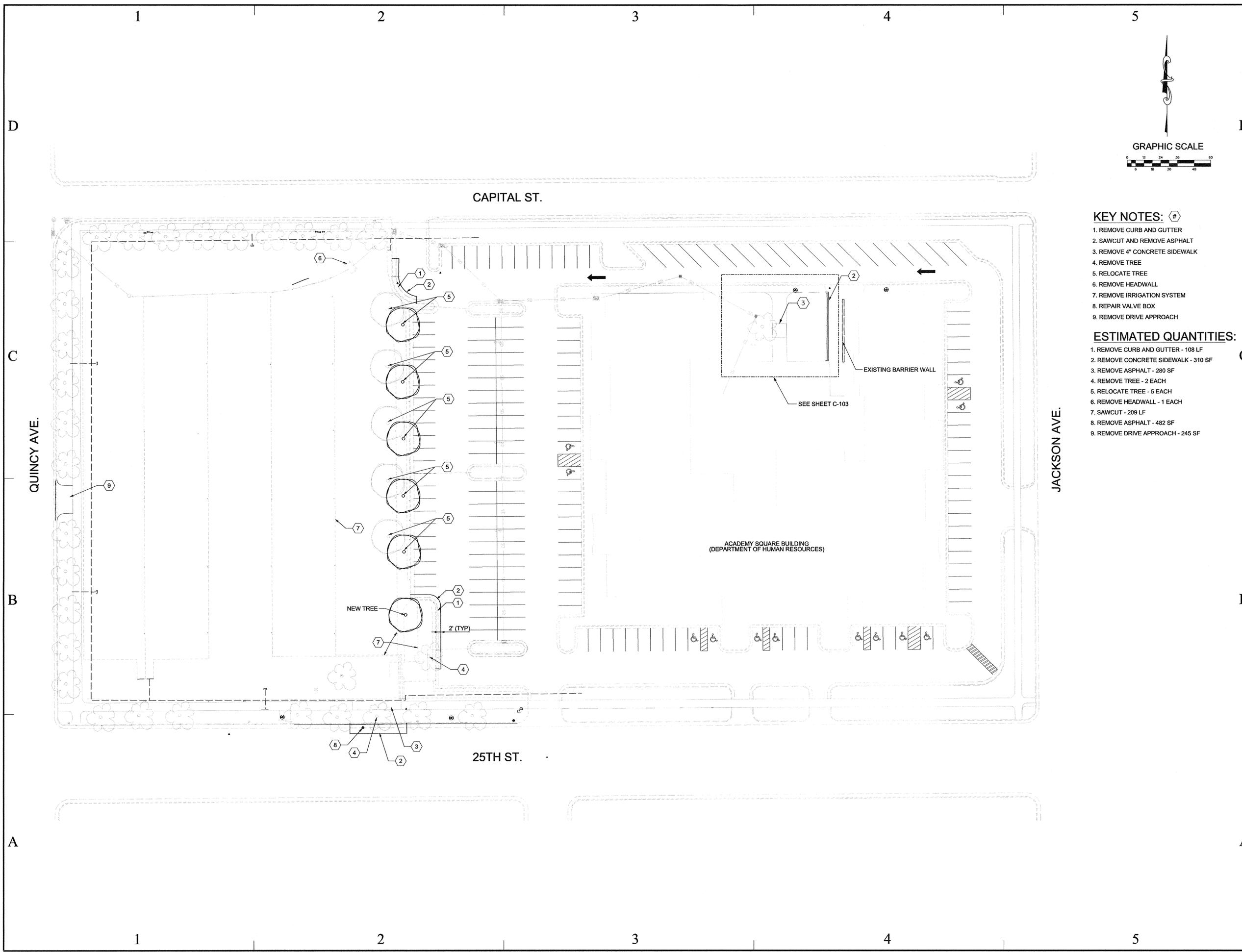
SHEET TITLE
DEMOLITION PLAN

SHEET NUMBER
C-101

SHEET 3 OF 15



- KEY NOTES:** (#)
1. REMOVE CURB AND GUTTER
 2. SAWCUT AND REMOVE ASPHALT
 3. REMOVE 4" CONCRETE SIDEWALK
 4. REMOVE TREE
 5. RELOCATE TREE
 6. REMOVE HEADWALL
 7. REMOVE IRRIGATION SYSTEM
 8. REPAIR VALVE BOX
 9. REMOVE DRIVE APPROACH
- ESTIMATED QUANTITIES:**
1. REMOVE CURB AND GUTTER - 108 LF
 2. REMOVE CONCRETE SIDEWALK - 310 SF
 3. REMOVE ASPHALT - 280 SF
 4. REMOVE TREE - 2 EACH
 5. RELOCATE TREE - 5 EACH
 6. REMOVE HEADWALL - 1 EACH
 7. SAWCUT - 209 LF
 8. REMOVE ASPHALT - 482 SF
 9. REMOVE DRIVE APPROACH - 245 SF



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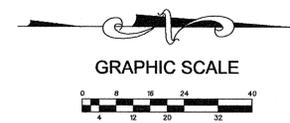
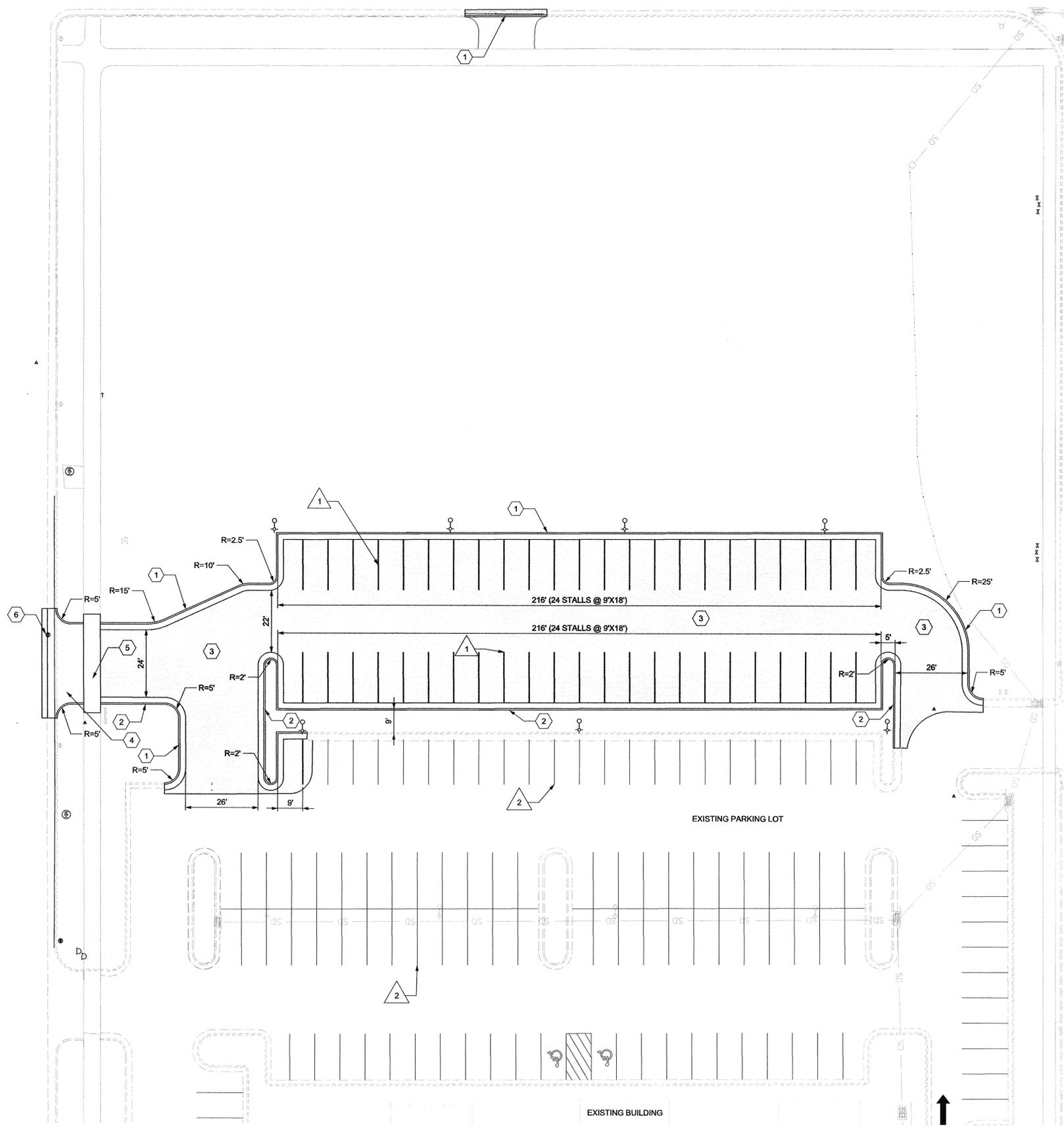
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GENERAL NOTES:

1. ALL WORK TO COMPLY WITH STATE REGULATIONS
2. COMPLY WITH ALL OSHA REGULATIONS DURING SITE WORK.
3. STRIPE PER SPECIFICATIONS AND NOTES ON C001.

KEY NOTES: (#)

1. INSTALL INFLOW CURB AND GUTTER
2. INSTALL RELEASE CURB AND GUTTER
3. INSTALL ASPHALT IN SHADED AREA
4. INSTALL 8" THICK OPEN CONCRETE DRIVEWAY (PER OGDEN CITY STDS.)
5. INSTALL 8" THICK SIDEWALK (PER OGDEN CITY STDS.)
6. EXISTING WATER VALVE BOX.

STRIPING NOTES: (#)

1. 4" YELLOW STRIPING (TYP.)
2. EXISTING 4" YELLOW STRIPING (TYP.)

ESTIMATED QUANTITIES:

1. INFLOW CURB AND GUTTER - 416 LF
2. RELEASE CURB AND GUTTER - 430 LF
3. ASPHALT - 17,265 SF
4. 8" THICK OPEN CONCRETE DRIVEWAY - 24 FT WIDE (420 S.F.)
5. 8" THICK SIDEWALK - 210 SF
6. 4" YELLOW STRIPING - 846 L.F.

LEGEND

- [Shaded Area] NEW ASPHALT SURFACE (SEE SECTION 1, SHEET C-501)
- [Line with Dashed] NEW CURB AND GUTTER OR SIDEWALK

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OGDEN UTAH
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IMPROVEMENTS
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ISSUE TYPE: CONSTRUCTION DRAWINGS

ISSUE DATE: DECEMBER, 2007

DFCM PROJECT NO: 07275310

CAD PROJECT NO: 57-07-022

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SHEET TITLE

SITE PLAN

SHEET NUMBER

C-102

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GENERAL NOTES:

1. SEE SHEET C-106 FOR STORM DRAIN
2. SEE SHEET L-101 FOR LANDSCAPING PLANTING PLAN
3. SEE SHEET L-102 FOR LANDSCAPING IRRIGATION PLAN

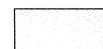
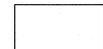
KEY NOTES:

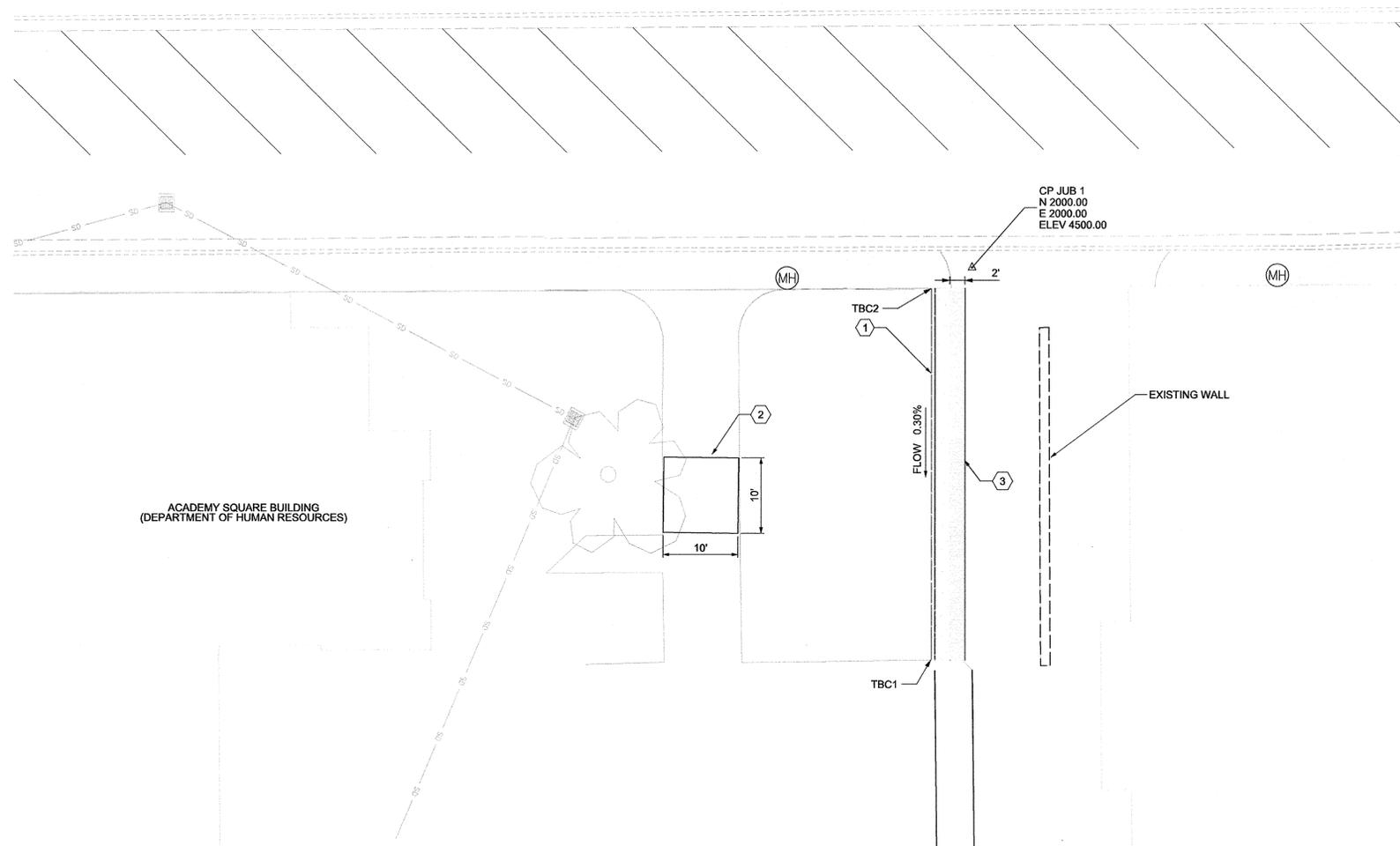
1. INFLOW CURB AND GUTTER
2. 4" THICK CONCRETE SIDEWALK
3. INSTALL ASPHALT IN SHADED AREA

ESTIMATED QUANTITIES:

1. INFLOW CURB AND GUTTER - 46 LF
2. 4" THICK CONCRETE SIDEWALK - 100 SF
3. ASPHALT - 100 SF

POINT TABLE			
POINT	NORTHING	EASTING	ELEVATION
TBC 1	1948.80	1995.16	4500.25
TBC 2	1997.19	1994.58	4500.39

-  NEW ASPHALT SURFACE
(SEE SECTION 1, SHEET C-501)
-  NEW CURB AND GUTTER



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DFCM PROJECT NO: 07275310

CAD PROJECT NO: 57-07-022

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SHEET TITLE

SITE PLAN

SHEET NUMBER

C-103

SHEET 5 OF 15

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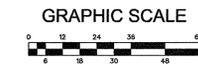
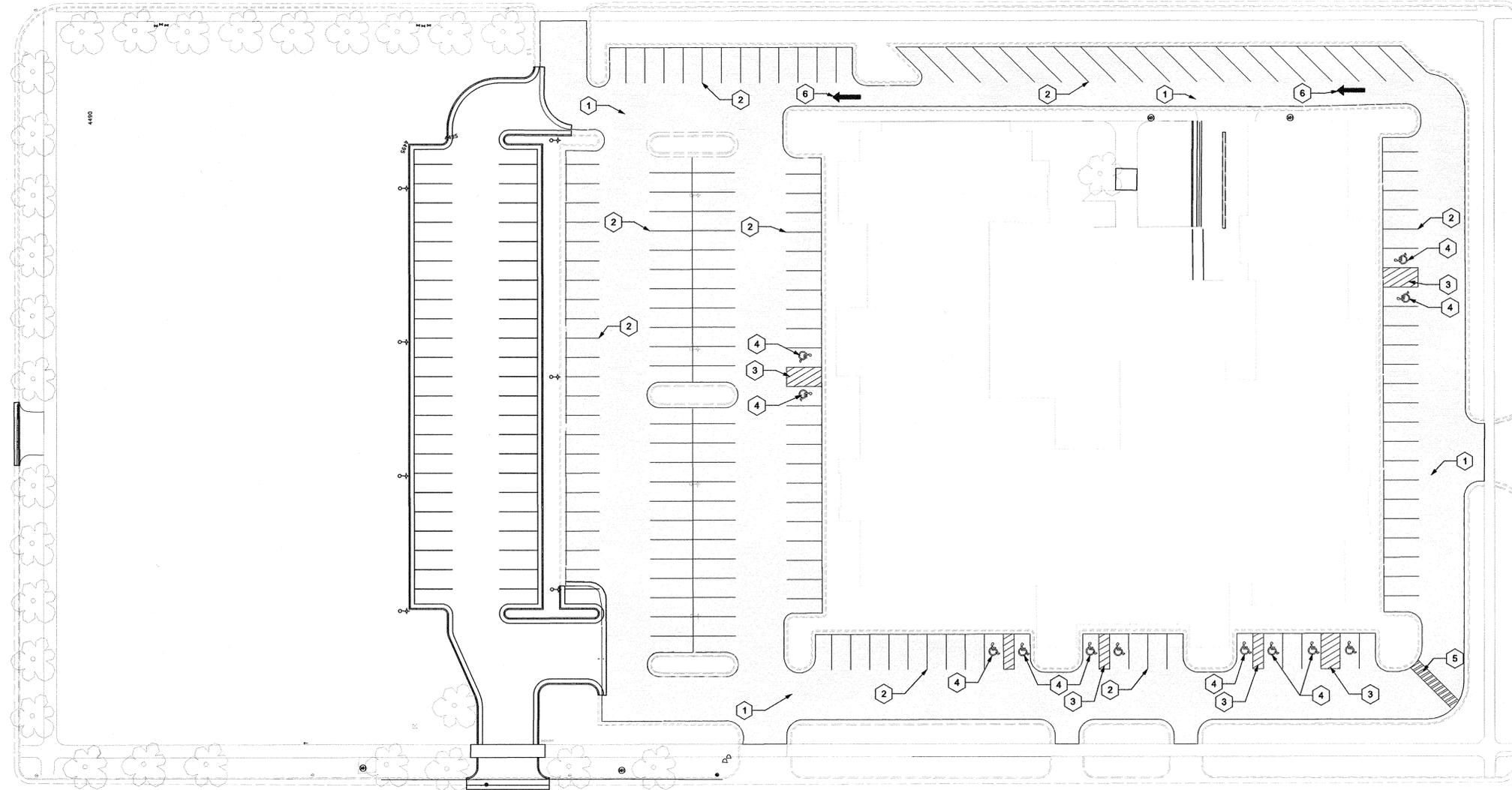
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GENERAL NOTES

1. CLEAN ALL AREAS IN LOT AND AROUND PERIMETER OF FOREIGN DEBRIS.
2. MASK AND COVER ALL METAL GRATING AND FRAMES PRIOR TO BEGINNING SEALING.
3. CONTRACTOR SHALL RETURN 4 TO 6 WEEKS FOLLOWING THE SEALING AND PAINTING OF PARKING LOT AND REPAINT ALL THE PAVEMENT MARKINGS.

KEYNOTES #

1. TYPE I SLURRY SEAL
2. 4" YELLOW STRIPE (TYP.)
3. 4" HATCH MARKING @ 12" O.C. (TYP.)
4. PAINT HANDICAP SYMBOL
5. PAINT CROSSWALK
6. PAINT ONE-WAY ARROW

ESTIMATED QUANTITIES:

1. TYPE I SLURRY SEAL - 7000 SY
2. STRIPING - 3400 LF
3. HANDICAP MARKINGS - 12 EACH
4. PAINT CROSSWALK - 1 EACH
5. PAINT ONE-WAY ARROW - 2 EACH



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SHEET TITLE

SITE PLAN
(ALTERNATIVE BID)

SHEET NUMBER

C-104



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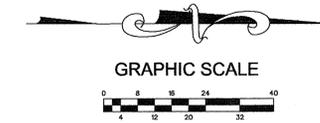
SHEET TITLE

GRADING PLAN

SHEET NUMBER

C-105

SHEET 7 OF 15

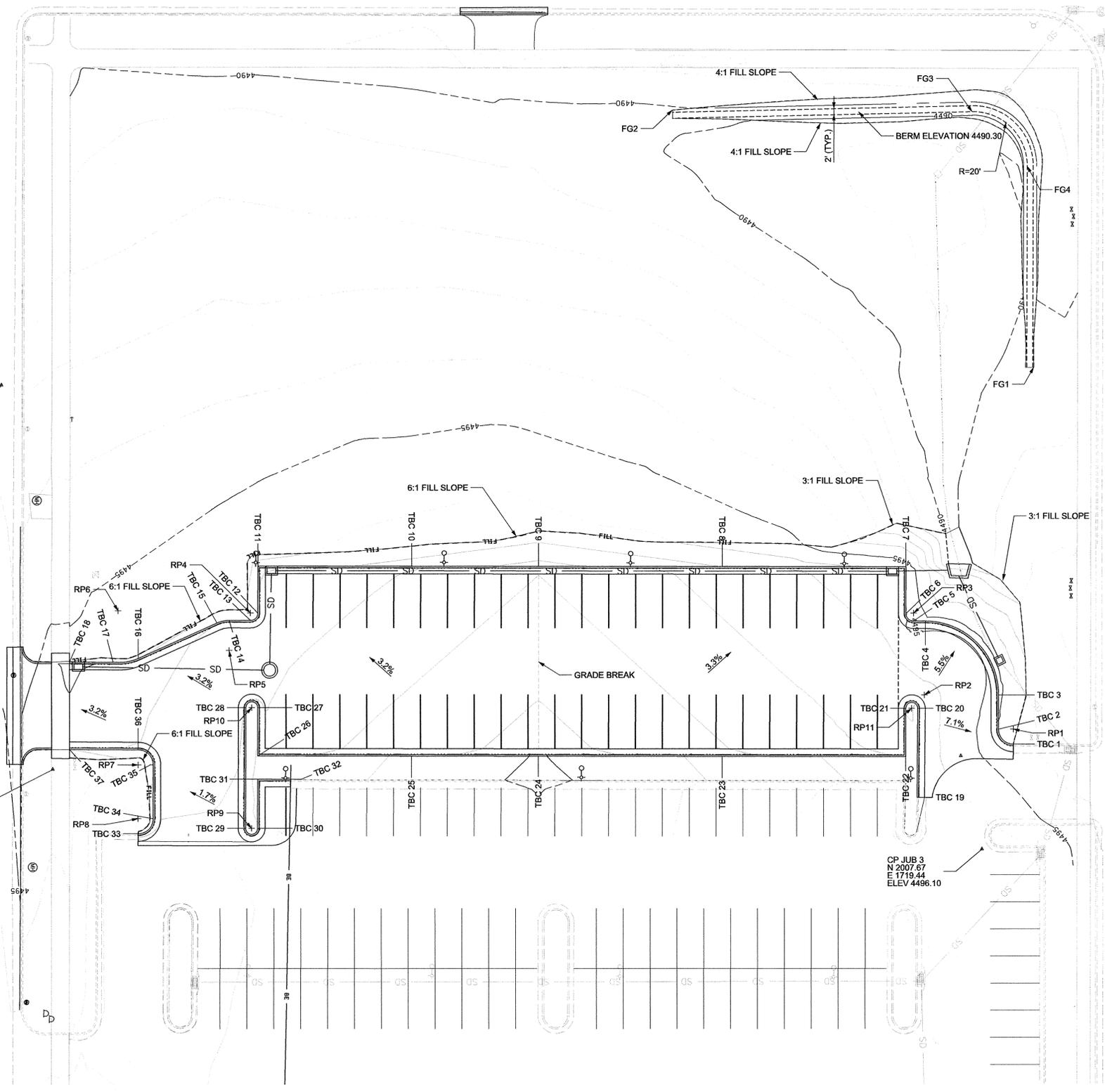


CUT/FILL VOLUMES*		
UNITS = CUBIC YARDS	PARKING LOT	BERM
CUT	1500	0
FILL	300	20

*VALUES ARE APPROXIMATE

POINT TABLE				
POINT	NORTHING	EASTING	ELEVATION	NOTES
TBC 1	2017.44	1684.43	4494.60	
TBC 2	2012.41	1679.52	4494.94	
TBC 3	2012.21	1668.16	4495.17	
TBC 4	1987.30	1644.08	4495.22	
TBC 5	1983.30	1644.15	4495.15	
TBC 6	1980.76	1641.70	4496.07	
TBC 7	1980.49	1626.20	4495.64	
TBC 8	1918.99	1627.25	4496.98	
TBC 9	1857.49	1628.30	4498.32	
TBC 10	1814.99	1629.03	4497.42	
TBC 11	1763.52	1629.91	4496.33	
TBC 12	1763.79	1645.41	4496.76	
TBC 13	1761.33	1647.95	4496.77	
TBC 14	1754.23	1648.07	4496.63	
TBC 15	1750.16	1649.02	4496.55	
TBC 16	1724.04	1661.27	4495.97	
TBC 17	1715.67	1662.71	4495.74	
TBC 18	1701.09	1662.92	4495.18	FULL CURB HEIGHT
TBC 19	1985.62	1702.66	4497.02	
TBC 20	1985.28	1673.13	4497.04	
TBC 21	1981.30	1673.19	4496.94	
TBC 22	1981.57	1689.19	4497.38	
TBC 23	1920.07	1690.24	4498.72	
TBC 24	1858.57	1691.29	4500.06	
TBC 25	1816.07	1692.02	4499.16	
TBC 26	1764.60	1692.90	4498.07	
TBC 27	1764.33	1676.91	4497.63	
TBC 28	1760.33	1676.97	4497.51	
TBC 29	1761.01	1716.97	4497.82	
TBC 30	1765.01	1716.90	4497.97	
TBC 31	1764.73	1700.67	4498.23	
TBC 32	1775.75	1700.48	4498.45	
TBC 33	1725.05	1719.43	4497.46	
TBC 34	1729.96	1714.35	4497.33	
TBC 35	1729.66	1696.50	4496.93	
TBC 36	1724.58	1691.59	4496.65	
TBC 37	1701.61	1691.91	4495.98	FULL CURB HEIGHT
FG1	2022.03	1559.20	4490.38	
FG2	1899.45	1476.04	4490.11	
FG3	1999.91	1474.80	4490.30	
FG4	2018.62	1492.49	4490.30	

CURVE RADIUS POINT TABLE			
POINT	RADIUS	NORTHING	EASTING
RP1	5'	2017.39	1679.43
RP2	25'	1987.45	1668.57
RP3	2.5'	1983.32	1641.54
RP4	2.5'	1761.29	1645.46
RP5	10'	1754.40	1658.08
RP6	15'	1717.04	1645.54
RP7	5'	1724.65	1696.60
RP8	5'	1724.95	1714.42
RP9	2'	1763.01	1716.92
RP10	2'	1762.33	1676.94
RP11	2'	1983.29	1673.15



CP JUB 4
N 1676.85
E 1571.32
ELEV 4492.89

CP JUB 4
N 1696.17
E 1698.66
ELEV 4495.58

CP JUB 3
N 2007.67
E 1719.44
ELEV 4496.10

CP (STREET MON.)
N 1662.88
E 1800.35
ELEV 4496.58



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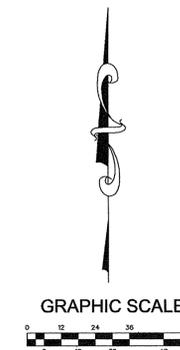
SHEET TITLE

**DRAINAGE/ UTILITY
PLAN**

SHEET NUMBER

C-106

SHEET 8 OF 15



STORM WATER NOTES:

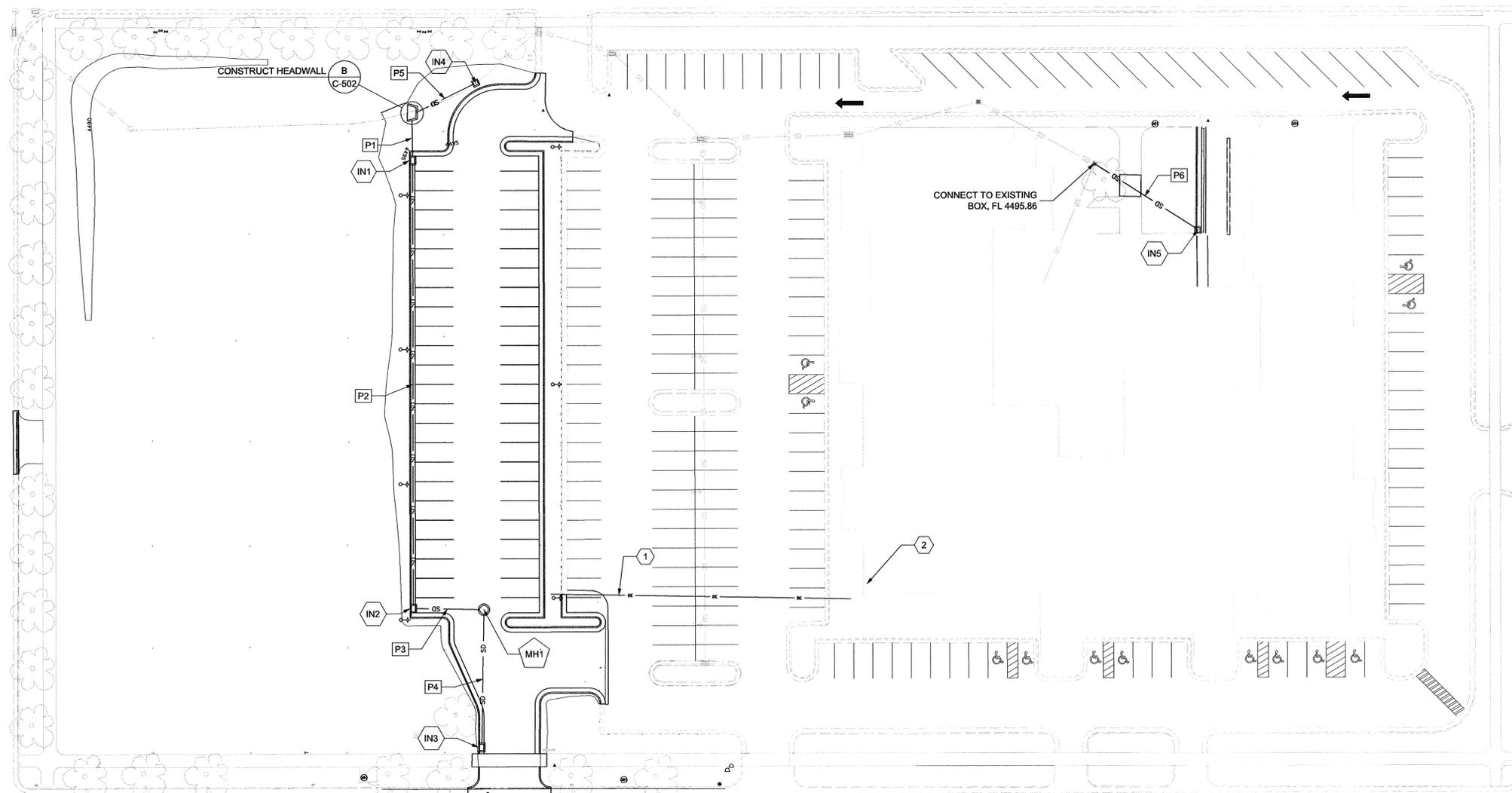
DESIGN DATA:
FREQUENCY: 10 YEAR
DURATION: 1 HOUR
RELEASE RATE: 0.2 CFS/ACRE
CONTRIBUTING AREAS:
ROOF = 39,450 SF
PAVING/CONCRETE = 96,295 SF
LANDSCAPING = 129,705 SF
DESIGN STORAGE (MIN.): 6,281 FT³
DETENTION POND VOLUME: 7,000 FT³
MAX. RELEASE RATE: 1.22 CFS

ESTIMATED QUANTITIES:

1. CONNECT TO EXISTING BOX - 1 EACH
2. INSTALL 3' X 3' JUNCTION BOX - 1 EACH
3. INSTALL STANDARD CATCH BASIN - 4 EACH
4. INSTALL 4' DIA. MANHOLE - 1 EACH
5. INSTALL 12" RCP STORM DRAIN - 357 L.F.
6. INSTALL 8" PVC DRAIN PIPE - 57 L.F.
7. CONSTRUCT HEADWALL - 1 EACH

KEYNOTES #

1. INSTALL 1" CONDUIT PER ELECTRICAL PLANS. BORE UNDERNEATH EXISTING PARKING LOT.
2. PENETRATE BUILDING AT CEILING LEVEL AND ROUTE TO GROUND WITH GALVANIZED CONDUIT. COORDINATE LOCATION WITH OWNER AND ENGINEER.



PIPE TABLE			
ID	ITEM	LENGTH	SLOPE
P1	INSTALL 12" RCP STORM DRAIN	20	0.50%
P2	INSTALL 12" RCP STORM DRAIN	208	0.50%
P3	INSTALL 12" RCP STORM DRAIN	33	0.50%
P4	INSTALL 12" RCP STORM DRAIN	64	0.50%
P5	INSTALL 12" RCP STORM DRAIN	32	0.50%
P6	INSTALL 8" PVC DRAIN PIPE	57	0.50%

STRUCTURES TABLE						
INLETS						
ID	ITEM	NORTHING	EASTING	TBC ELEV.	FL	REMARKS
IN1	INSTALL STANDARD CATCH BASIN	1,975.99	1,626.28	4495.74	4491.19	MEASURED AT TBC
IN2	INSTALL STANDARD CATCH BASIN	1,768.02	1,629.84	4496.42	4492.22	MEASURED AT TBC
IN3	INSTALL STANDARD CATCH BASIN	1,704.09	1,662.88	4495.29	4492.67	MEASURED AT TBC
IN4	INSTALL 3' X 3' JUNCTION BOX	2,012.40	1,656.71	4494.74	4490.26	MEASURED AT CENTER OF STRUCTURE
IN5	INSTALL STANDARD CATCH BASIN	1,949.51	1,996.14	4499.79	4496.14	MEASURED AT CENTER OF STRUCTURE
MANHOLES						
ID	ITEM	NORTHING	EASTING	RIM ELEV.	FL	REMARKS
MH1	INSTALL 4' DIA. MANHOLE	1768.08	1664.37	4496.77	4492.37	MEASURED AT CENTER OF STRUCTURE



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BUILDING NAME:

**RM# 09843
ACADEMY SQUARE
OGDEN UTAH
WEBER COUNTY**

PROJECT TITLE:

**ACADEMY SQUARE
PARKING
IMPROVEMENTS
OGDEN, UTAH**



MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DRAWINGS

ISSUE DATE: DECEMBER, 2007

DFCM PROJECT NO: 07275310

CAD PROJECT NO: 57-07-022

CAD DWG FILE: ...CAD/SheetFiles/C-501.dwg

DRAWN BY: SRP

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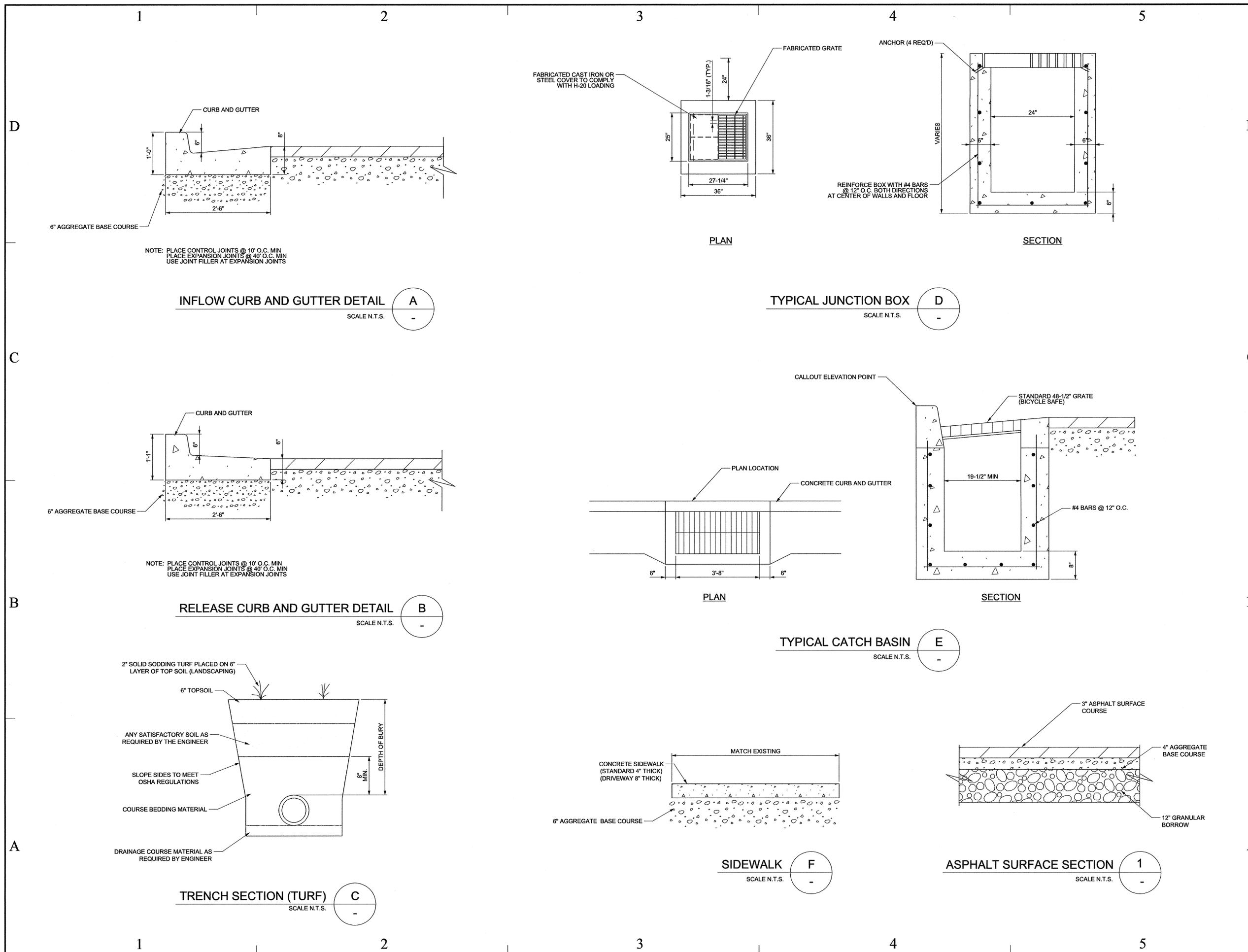
SHEET TITLE

CIVIL DETAILS

SHEET NUMBER

C-501

SHEET 9 OF 15



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PROJECT TITLE:
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 OGDEN, UTAH**

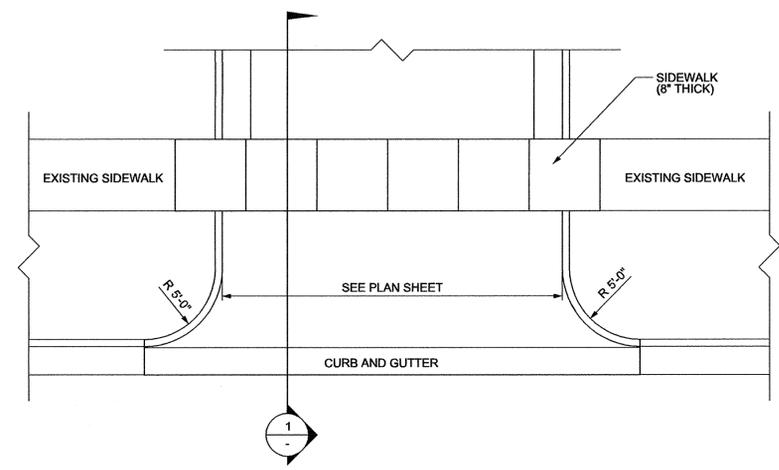


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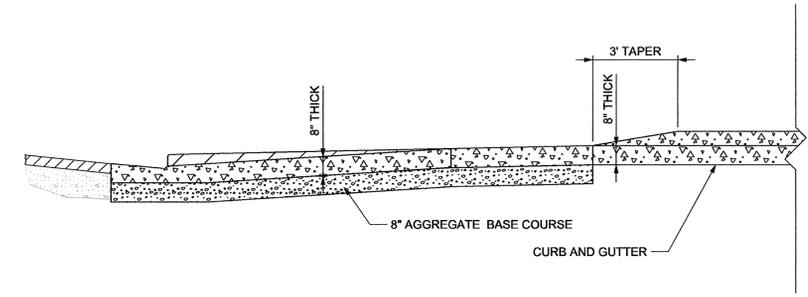
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SHEET NUMBER
C-502

SHEET 10 OF 15

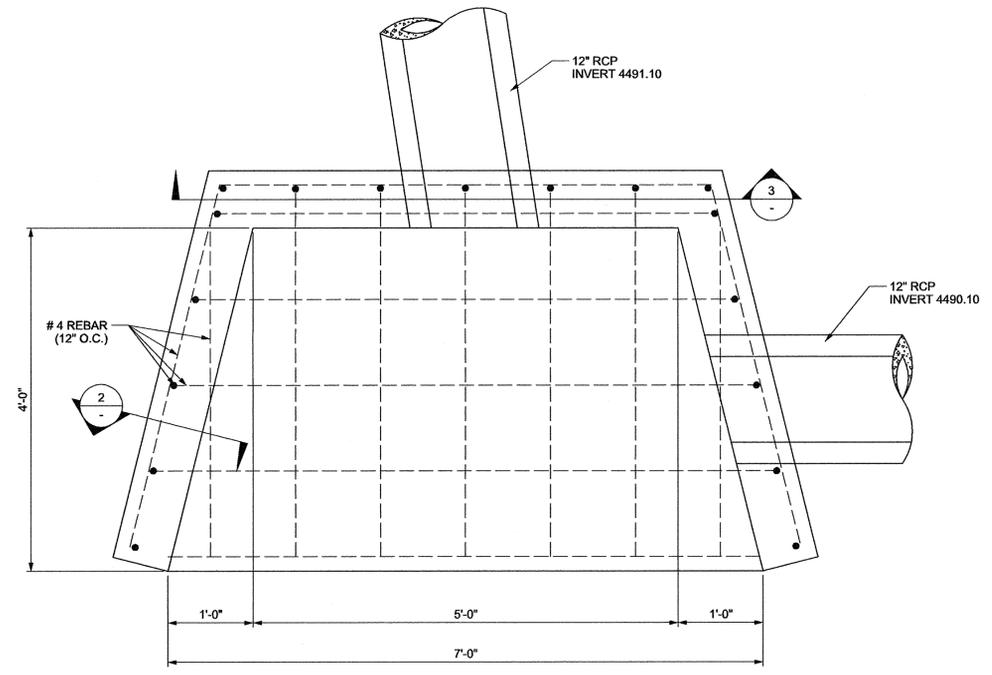


PLAN

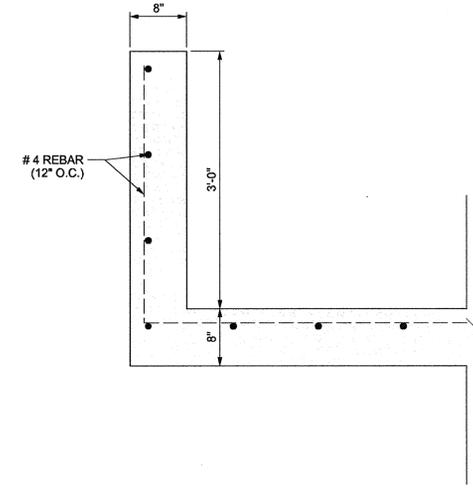


SECTION 1
 SCALE N.T.S.

OPEN CONCRETE DRIVEWAY A
 SCALE N.T.S.

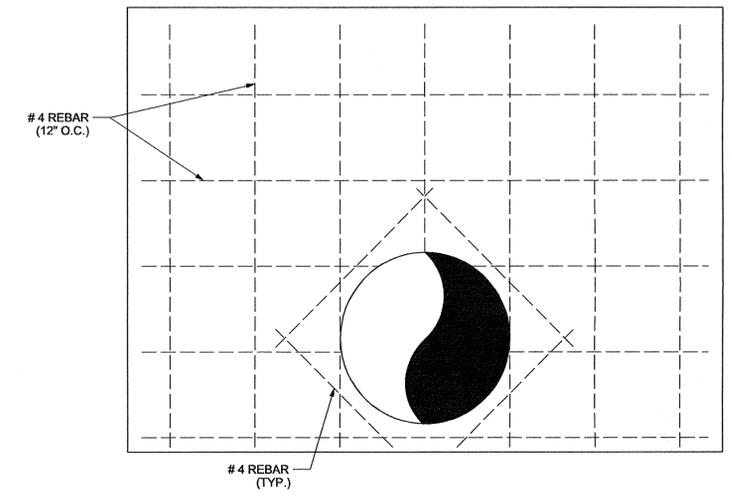


PLAN



SECTION 2
 SCALE N.T.S.

HEADWALL DETAIL B
 C-106



PIPE PENETRATION 3
 SCALE N.T.S.

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BUILDING NAME:

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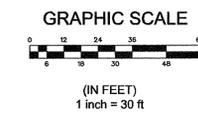
PROJECT TITLE:

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IMPROVEMENTS
OGDEN, UTAH**



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ISSUE DATE: DECEMBER, 2007		
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SHEET TITLE		
LANDSCAPE PLANTING PLAN		
SHEET NUMBER		
L-101		
SHEET 11 OF 15		

5



KEY NOTES: #

- LAWN (SOD)
- RELOCATED EXISTING TREE
- EXISTING TREE

ESTIMATED QUANTITIES:

- SOD - 14,000 S.F.
- RELOCATE EXISTING TREE - 5 EACH
- INSTALL TREE - 1 EACH

GENERAL NOTES:

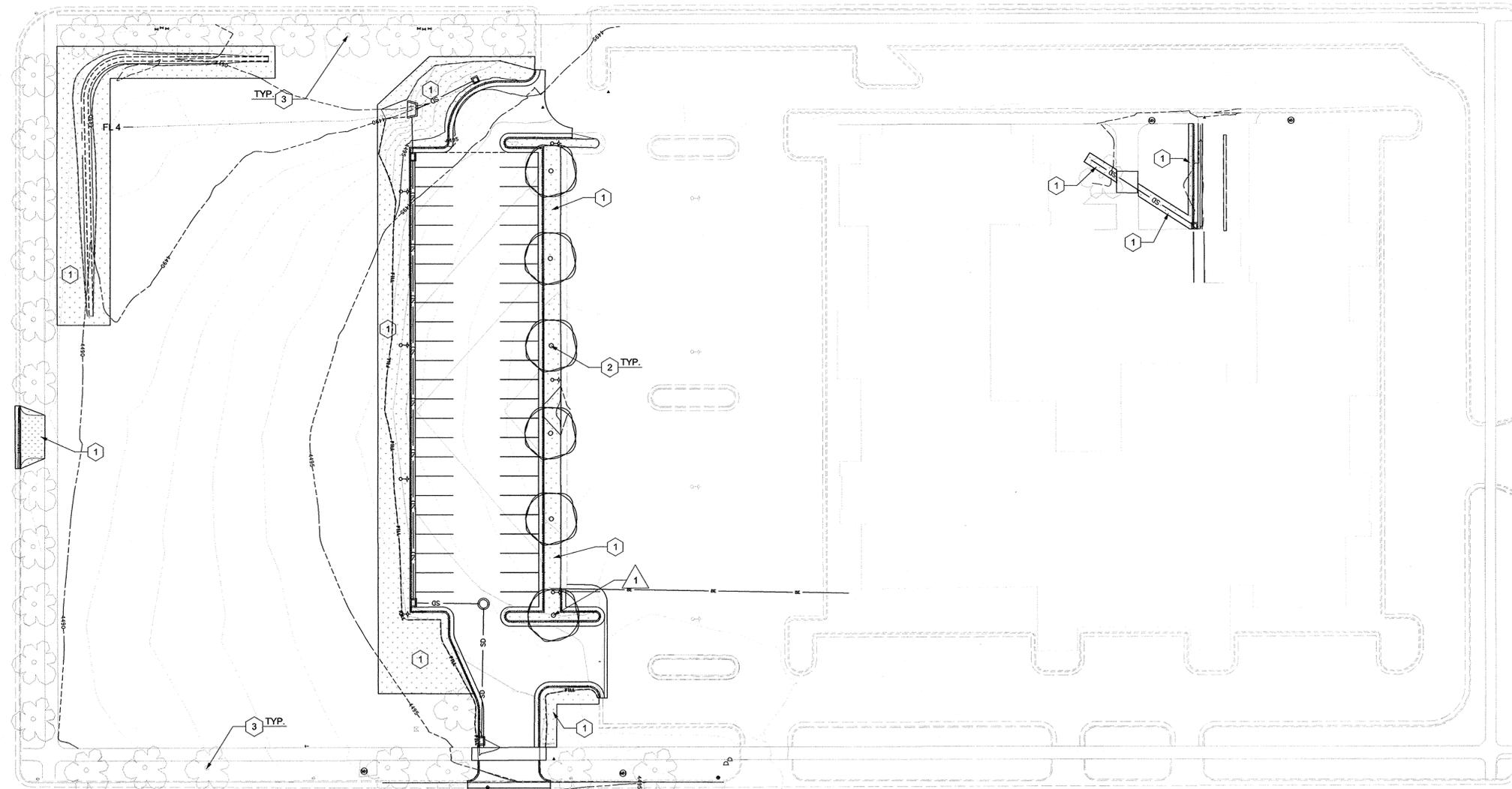
- THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING THE EXISTING LAWN DAMAGED DURING THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR SHALL SPREAD TOP SOIL TO A DEPTH OF 6" IN ALL LAWN PLANTING AREAS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING FROM THE SITE ALL SOIL EXCAVATED FROM TREE PITS.

D

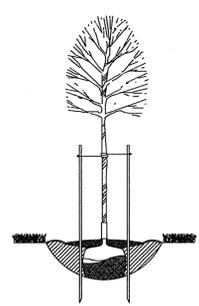
C

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PLANT MATERIAL KEY					
#	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	REMARKS
1	ZELKOVA SERRATA	JAPANESE ZELKOVA	2" CAL	1	



TREE PLANTING NOTES:

- CUT A 24" DIAMETER CIRCLE IN THE SOD AROUND THE TRUNK OF THE TREE FOR WATER BASIN.
- ROUGHEN THE SIDES OF THE PIT IF REQUIRED FOR MOISTURE AND ROOT PENETRATION.
- PLANT TREE IN A SHALLOW PIT ON UNDISTURBED SOIL. PIT DIAMETER SHALL BE 3X THE BALL DIAMETER.
- MULCH WATER BASIN 3" DEEP.
- PLANTING MIX SHALL BE WELL MIXED IN THE FOLLOWING RATIO: 4 PARTS APPROVED TOPSOIL, 1 PART SOIL-AID OR PEAT MOSS AND A SLOW RELEASE FERTILIZER AS PER MANUFACTURES RECOMMENDATIONS.
- INSTALL TREE WRAP AND PROTECTION SLEEVE ON TRUNK AS PER MANUFACTURES RECOMMENDATION.S
- TIE TREES TO 2"x2"x8" STAKES AT THE LOWEST POINT NECESSARY TO KEEP MAIN TRUNK UPRIGHT. PLACE STAKES AT EDGE OF ROOTBALL AND DRIVE A MIN. OF 12" INTO UNDISTURBED SOIL. TIE WITH #10 WIRE THRU 3/4" RUBBER HOSE (2 REQ'D)

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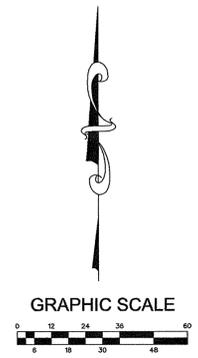
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OGDEN UTAH
WEBER COUNTY**

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SHEET TITLE		
LANDSCAPE IRRIGATION PLAN		
SHEET NUMBER		
L-102		
SHEET 12 OF 15		



IRRIGATION NOTES:

- THIS DRAWING IS DIAGRAMMATIC ONLY AND IS INTENDED TO CONVEY THE IDEA OF FULL COVERAGE OF THE IRRIGATION SPRINKLER SYSTEM. THE IRRIGATION SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION LAYOUT OF THE SYSTEM IN ACCORDANCE WITH THE DRAWINGS TO PROPORTIONALLY COVER A GIVEN AREA AS SHOWN. THE LAYOUT MAY BE MODIFIED IF NECESSARY TO OBTAIN COVERAGE TO SUIT THE MANUFACTURERS STANDARD HEADS INDICATED. THE SYSTEM SHALL BE TESTED FOR COMPLETE COVERAGE AND ALL NECESSARY PROPER ADJUSTMENTS MADE TO GET FULL AND PROPER COVERAGE PRIOR TO ACCEPTANCE BY THE OWNER.
- THE SYSTEM IS DESIGNED FOR 30 PSI OPERATING PRESSURE ON ALL SMALL AREA HEADS AND 50 PSI ON ALL ROTOR POP-UP HEADS THROUGHOUT THE SYSTEM.

ESTIMATED QUANTITIES:

- 2 1/2" PVC PIPE - 210 LF
- 2" PVC PIPE - 235 LF
- 1 1/2" PVC PIPE - 235 LF
- 1" PVC PIPE - 205 LF
- 3/4" PVC PIPE - 310 LF
- 2" SLEEVE - 35 LF
- 4" SLEEVE - 70 LF
- 5" SLEEVE - 75 LF
- POP UP SPRAY HEAD SALVAGED - 35
NEW - 40
- POP UP ROTOR HEAD SALVAGED - 13

IRRIGATION LEGEND:*

* PART #s ARE THOSE LISTED IN THE ORIGINAL SITE CONSTRUCTION DRAWINGS. MATCH EXISTING INSTALLED COMPONENTS.

RAIN BIRD FALCON 6504 POP UP ROTOR HEAD WITH NOZZLES AS SHOWN @ 50 PSI

- PART CIRCLE #10 NOZZLE
- PART CIRCLE #06 NOZZLE

RAIN BIRD 1804-SAM-PRS POP UP SPRAY HEADS WITH 15 U-SERIES PLASTIC NOZZLES @ 30 PSI

- ∨ HALF CIRCLE
- ∨ THIRD CIRCLE
- ∨ QUARTER CIRCLE

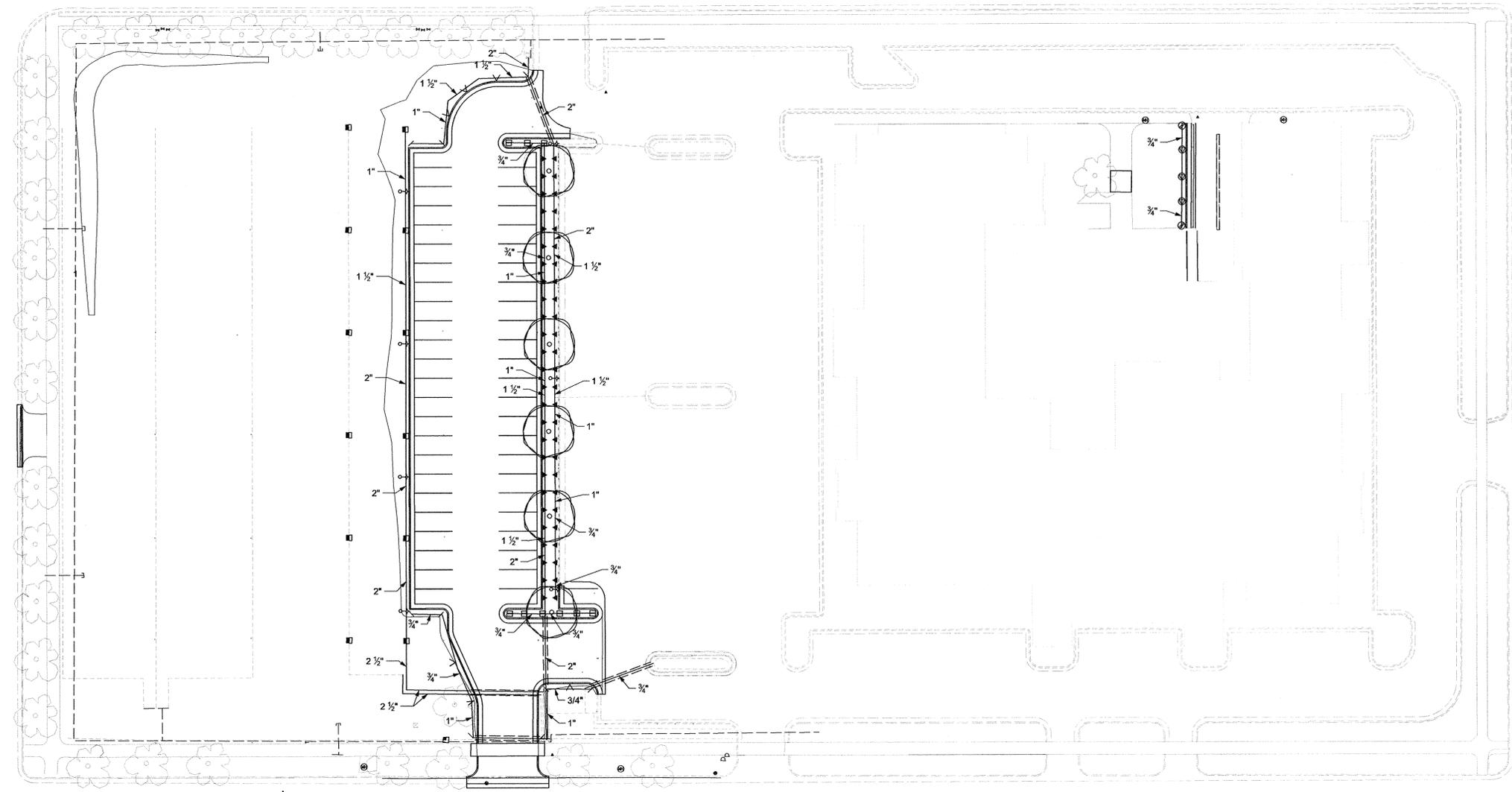
RAIN BIRD 1804-SAM-PRS POP UP SPRAY HEADS WITH 15 STRIP SERIES PLASTIC NOZZLES @ 30 PSI

- SIDE STRIP

RAIN BIRD 1804-SAM-PRS POP UP SPRAY HEADS WITH 8 U-SERIES PLASTIC NOZZLES @ 30 PSI

- ⊙ HALF CIRCLE
- ⊙ QUARTER CIRCLE

PVC PIPE SLEEVE
= 2X PIPE SIZE



D
C
B
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1 2 3 4 5

1 2 3 4 5

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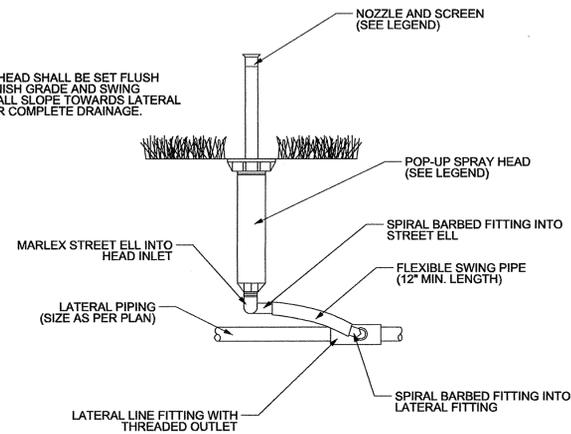
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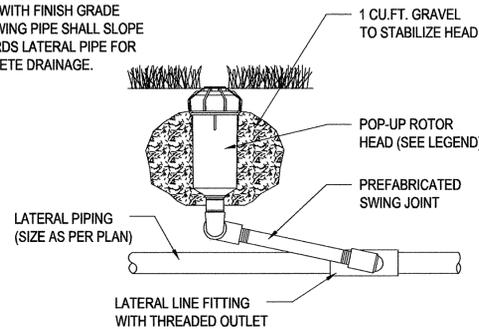
A

NOTE:
TOP OF HEAD SHALL BE SET FLUSH WITH FINISH GRADE AND SWING PIPE SHALL SLOPE TOWARDS LATERAL PIPE FOR COMPLETE DRAINAGE.



POP UP SPRAY HEAD **A**
L-102

NOTE:
TOP OF HEAD SHALL BE SET FLUSH WITH FINISH GRADE AND SWING PIPE SHALL SLOPE TOWARDS LATERAL PIPE FOR COMPLETE DRAINAGE.



POP UP ROTOR HEAD **B**
L-102

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DFCM PROJECT NO: 07275310

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SHEET TITLE

LANDSCAPE DETAILS

SHEET NUMBER

L-501

SHEET 13 OF 15

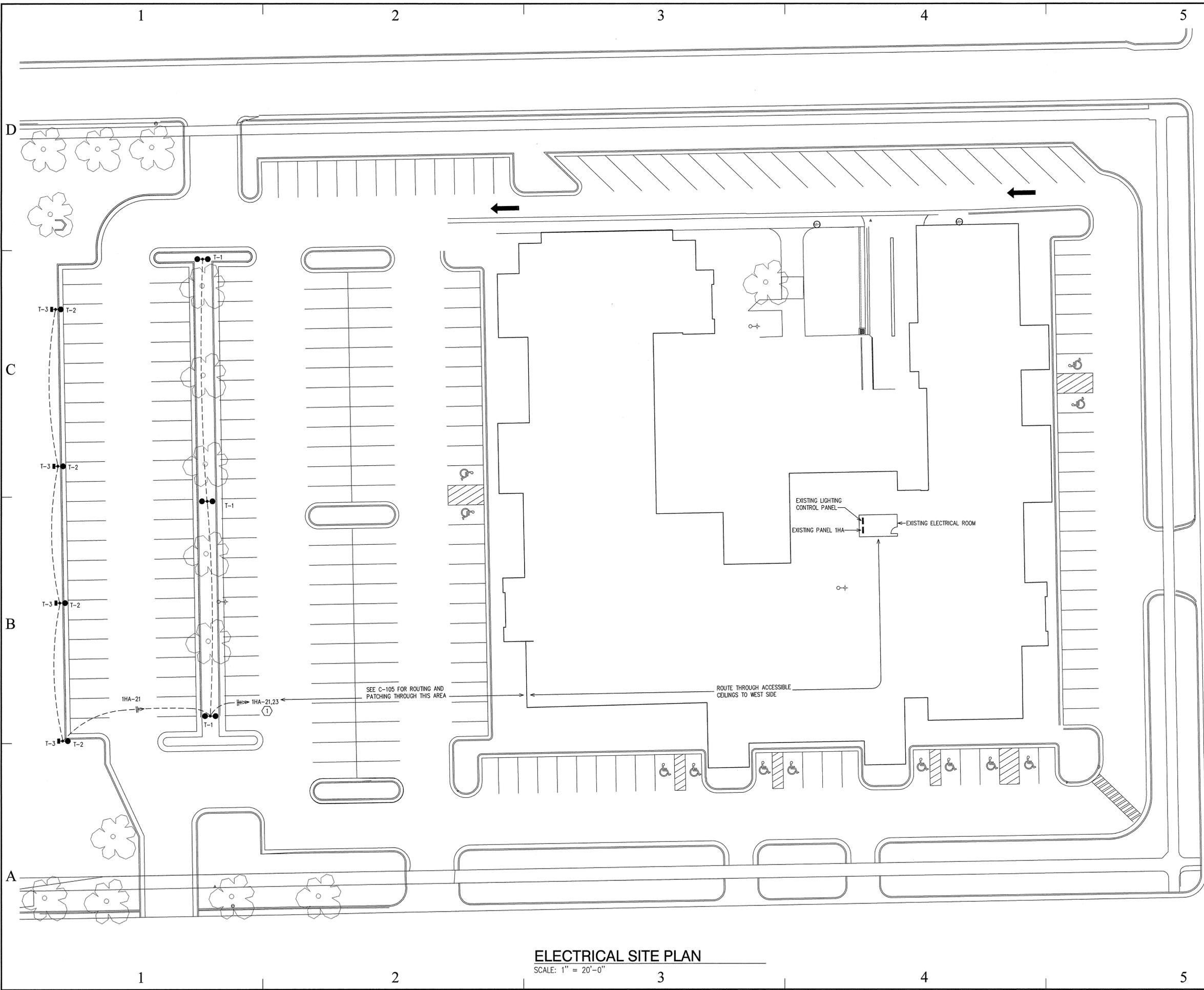
1

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ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

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DB		

ISSUE TYPE: CONSTRUCTION DRAWINGS

ISSUE DATE: OCTOBER, 2007

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SHEET TITLE

ELECTRICAL
PLAN

SHEET NUMBER

E-101

SHEET 14 OF 15





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SHEET TITLE

SCHEDULES AND
DETAILS

SHEET NUMBER

E-501

SHEET 15 OF 15

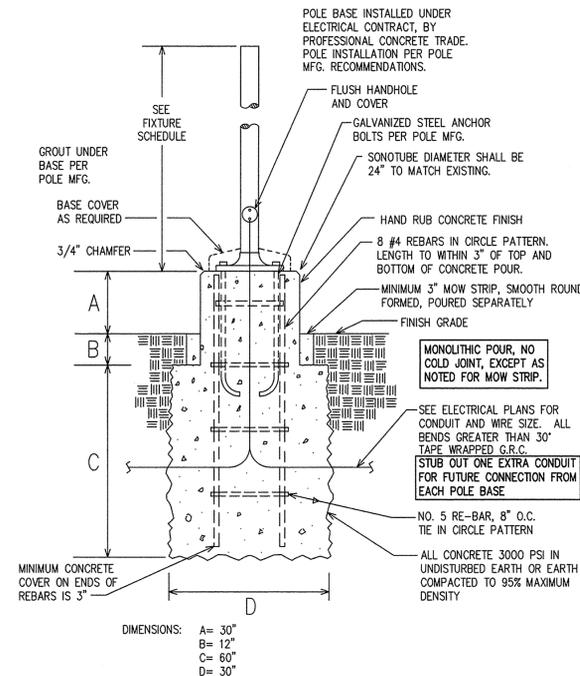
KEYED NOTES

- ① RUN #8 WIRE IN 1" CONDUIT TO SPARE 20A 1P BREAKERS IN PANEL 1HA. RUN THROUGH SPARE RELAYS IN LIGHTING CONTROL PANEL. CONTROL LIGHTS WITH OTHER OUTDOOR LIGHTS.

LIGHT FIXTURE SCHEDULE			
TYPE	MANUFACTURER/CATALOG NO.	MOUNTING	LAMPS
T-1	LITHONIA (2) KVR2 175M ASYFL TB RPD04 LPI SCWA ① ② 20 FT ROUND POLE, 100 MPH WIND RATING ①	POLE, POLE BASE	175W MH
T-2	LITHONIA KVR2 175M ASYFL TB RPD04 LPI SCWA ① ③ 20 FT ROUND POLE, 100 MPH WIND RATING ①	POLE, POLE BASE	175W MH
T-3	LITHONIA TFR 250M RC TB IS LPI TFRFV H1-18A ① ③	POLE	250W MH

① COLOR TO MATCH EXISTING (SANDSTONE, VERIFY)
② TWO HEADS AT 180°
③ T-3 FIXTURE MOUNTED 180° OPPOSITE T-2 HEAD. H1-18A FOR ROUND POLE.

NOTE: NO SUBSTITUTION OF T-1 OR T-2 IS ALLOWED.



POLE BASE DETAIL
NO SCALE

