

**CITY OF BOULDER GENERAL NOTES**

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "DESIGN AND CONSTRUCTION STANDARDS" OF THE CITY OF BOULDER, AND SHALL BE COMPLETED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS. IN THE EVENT THAT A DESIGN ELEMENT DOES NOT REFLECT CITY STANDARDS, THE MATTER MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE DIRECTOR OF PUBLIC WORKS. THE ENGINEER SHALL BE RESPONSIBLE FOR RECOMMENDING A SOLUTION OR ALTERNATIVE SOLUTIONS TO THE CITY FOR REVIEW AND APPROVAL.
- THE APPROVAL OF A CONSTRUCTION PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF CONSTRUCTING WORKABLE PUBLIC IMPROVEMENTS. ALL REVISIONS AND/OR CORRECTIONS REQUIRED WILL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY, AND AT THEIR EXPENSE.
- THESE PLANS HAVE BEEN CHECKED BY THE CITY OF BOULDER ONLY FOR CONFORMANCE WITH THE "DESIGN AND CONSTRUCTION STANDARDS," COMPLIANCE WITH DEVELOPMENT AGREEMENT CONDITIONS, AND FOR GENERAL CONCEPTUAL APPROVAL OF PUBLIC IMPROVEMENTS AS SHOWN. THE CITY'S REVIEW DOES NOT VERIFY OR ENSURE THE ACCURACY OF EXISTING OR PROPOSED DIMENSIONS, LINES, COORDINATES, OR GRADES SHOWN, INCLUDING ALL EXISTING UTILITIES SHOWN OR NOT SHOWN.
- UTILITY LOCATIONS SHOWN REFLECT AVAILABLE RECORD DATA. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES SHOWN AND OTHER UTILITY LINES OTHERWISE LOCATED. THE CONTRACTOR SHALL CONTACT THE "UTILITY NOTIFICATION CENTER OF COLORADO" AT 1-800-922-1987 FOR UTILITY LOCATES 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- BEFORE WORK BEGINS, THE CONTRACTOR SHALL OBTAIN A PERMIT TO WORK IN THE RIGHT-OF-WAY FROM THE CITY AND MUST NOTIFY THE CITY RIGHT-OF-WAY INSPECTION STAFF AT LEAST 24 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL OBTAIN AND MAINTAIN A COMPLETE AND APPROVED SET OF CONSTRUCTION PLANS. THESE DRAWINGS, AND ANY REQUIRED PERMITS, SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE TO CITY STAFF UPON REQUEST. IF CONSTRUCTION PLANS ARE NOT READILY AVAILABLE AT THE PROJECT SITE, THE DIRECTOR OF PUBLIC WORKS MAY ISSUE A STOP WORK ORDER AND HALT ALL CONSTRUCTION ACTIVITIES PENDING COMPLIANCE BY THE CONTRACTOR.
- THE CONTRACTOR AGREES TO COMPLY WITH ALL PROVISIONS OF THE TRAFFIC CONTROL PLAN AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," "TEMPORARY TRAFFIC CONTROL" SECTION, FOR CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL.
- ALL SURPLUS MATERIALS, TOOLS AND TEMPORARY STRUCTURES, FURNISHED BY THE CONTRACTOR, SHALL BE REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR. ALL DEBRIS AND RUBBISH CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION, UNLESS OTHERWISE DIRECTED BY THE DIRECTOR OF PUBLIC WORKS.
- THE CONTRACTOR SHALL PROVIDE TREE AND LANDSCAPE PROTECTION AS SET FORTH IN CHAPTER 6-6, "PROTECTION OF TREES AND PLANTS," BOULDER REVISED CODE (B.R.C.) 1981 AND THE CITY OF BOULDER DESIGN AND CONSTRUCTION STANDARDS (DCS). ALL LANDSCAPING SHALL BE PROVIDED AND MAINTAINED IN COMPLIANCE WITH THE APPROVED LANDSCAPING PLAN, B.R.C. AND DCS.
- THE CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT "URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3", THE M-STANDARDS PLANS OF THE COLORADO DEPARTMENT OF TRANSPORTATION, AND THE APPROVED EROSION CONTROL PLAN. THE DIRECTOR OF PUBLIC WORKS MAY REQUIRE THE CONTRACTOR TO PROVIDE ADDITIONAL EROSION CONTROL MEASURES DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE PLANS DO NOT FUNCTION AS INTENDED.
- THE CITY OF BOULDER REQUIRES THAT SIDEWALKS CONSTRUCTED HAVE A CROSS SLOPE OF LESS THAN 2%. SIDEWALKS SHALL BE DESIGNED AND CONSTRUCTED WITH CROSS SLOPES SUFFICIENTLY LESS THAN 2% TO ENSURE THAT THEY DO NOT EXCEED TO 2% MAXIMUM. THIS ADDITIONAL GUIDANCE IS PROVIDED TO HELP ENSURE THE PUBLIC IMPROVEMENTS ARE DESIGNED AND CONSTRUCTED IN COMPLIANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AS REQUIRED BY SECTION 2.0 OF THE DESIGN AND CONSTRUCTION STANDARDS.

**GENERAL NOTES**

- ALL CONTRACTORS UTILIZING THIS PLAN AND THE INFORMATION CONTAINED THEREON ARE CAUTIONED TO COMPLY WITH THE REQUIREMENTS OF COLORADO CODE TITLE 9, ARTICLE 1.5, AS AMENDED, CONCERNING PREVENTION OF DAMAGE TO UNDERGROUND FACILITIES RESULTING FROM EXCAVATIONS (Utility Notification Act). LOCATION OF EXISTING AND PROPOSED UNDERGROUND UTILITIES AND FACILITIES SHOWN ON THE DRAWINGS HAVE BEEN DEVELOPED FROM INFORMATION MADE AVAILABLE. COMPLETENESS AND ACCURACY OF LOCATION AND DEPTH OF UTILITIES AND FACILITIES SHOWN ON THESE PLANS CANNOT BE GUARANTEED. OTHER UTILITIES MAY BE PRESENT AT THIS LOCATION NOT SHOWN ON THIS PLANS. THE CONTRACTOR IS TO VERIFY THE DEPTH AND LOCATION OF ALL UTILITIES AND FACILITIES BEFORE THE START OF WORK. UTILIZE HAND EXCAVATION AS REQUIRED. WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS OF THE UTILITY COMPANIES WHOSE FACILITIES ARE IN THE PROXIMITY OF THE WORK. PURSUANT TO THE REQUIREMENTS OF COLORADO CODE, THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987, AT LEAST 2 DAYS PRIOR TO EXCAVATION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL CODES, AND ALL REGULATIONS APPURTENANT TO THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970.
- CONTRACTOR SHALL PROVIDE PROTECTION AND SUPPORT FOR EXISTING UTILITIES UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY UTILITY LINE INTERRUPTION AT NO ADDITIONAL CONTRACT COST.
- CONTRACTORS SHALL VERIFY ALL DIMENSIONS, INVERTS, ELEVATIONS, AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. VARIATIONS BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR TO ANY SIDEWALKS, LAWN, TREES, PAVING, AND OTHER IMPROVEMENTS DISTURBED OR DAMAGED BY CONSTRUCTION OR DEMOLITION ACTIVITIES PROPOSED HEREIN.
- CONTRACTOR SHALL PROVIDE PROPER TEMPORARY BRACING AND SHORING OF ALL CONSTRUCTION OR DEMOLITION WORK IN PROGRESS.
- CONTRACTOR SHALL PROVIDE THE LAYOUT, LINE AND GRADE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL WORK ALL THE PROJECT DRAWINGS AND SPECIFICATIONS TOGETHER.
- COORDINATE EXISTING AND PROPOSED CONSTRUCTION WITH OTHER PROJECT CONSTRUCTION PACKAGES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOCAL, STATE, AND OSHA REGULATIONS.
- CONTRACTOR SHALL PROVIDE TEMPORARY DEWATERING OF EXCAVATIONS THROUGHOUT THE DURATION OF CONTRACT AT NO ADDITIONAL COST.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITHIN THE DRAWINGS, SPECIFICATIONS, CODES OR STANDARDS FOR DIRECTION PRIOR TO START OF WORK.
- CONTRACTORS SHALL HAVE ALL REQUIRED SUBMITTAL APPROVALS PRIOR TO BEGINNING THE WORK OR ORDERING MATERIALS.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF PREEXISTING CONDITIONS OF DETERIORATION OR UNDERDESIGN IN AREAS OF WORK THAT ARE UNCOVERED OR EXPOSED DURING THE WORK.
- PROFESSIONAL INSPECTION AND ACCEPTANCE OF CONSTRUCTION FOR CONFORMANCE TO THE APPLICABLE STANDARDS AND CODES IS THE RESPONSIBILITY OF THE OWNER. SITE OBSERVATION OF THE GEOTECHNICAL ASPECTS OF THE PROJECT IS TO BE DONE UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER. THE OWNER OR THE OWNER'S CONSTRUCTION REPRESENTATIVE RESERVES THE RIGHT TO INSPECT ANY PORTION OF THE WORK AND REQUEST CORRECTION TO THE OWNER'S SATISFACTION FOR ALL WORK NOT COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS. INSPECTION OR SITE OBSERVATION OF WORK BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS FOR ALL CONSTRUCTION.
- ALL CONSTRUCTION SHALL CONFORM TO CITY OF BOULDER UTILITY STANDARDS AND SPECIFICATIONS, LATEST EDITION THEREOF.

**DEMOLITION NOTES**

- THE CONTRACTOR SHALL DOCUMENT THE CONDITION OF ALL EXISTING FEATURES TO REMAIN PRIOR TO THE BEGINNING OF WORK. ALL ITEMS DAMAGED OR DISTURBED SHALL BE REPAIRED OR REPLACED IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL CONTRACT COST.
- NO MATERIAL OR DEBRIS SHALL BE DISPOSED OF WITHIN THE PROJECT LIMITS WITHOUT THE WRITTEN PERMISSION OF THE OWNER AND A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF COLORADO. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS TO OBTAIN WRITTEN PERMISSION FROM PROPERTY OWNERS FOR DISPOSAL LOCATIONS OUTSIDE THE LIMITS OF THE PROJECT. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS IN A MANNER WHICH IS LAWFUL.
- WHERE PORTIONS OF IMPROVEMENTS ARE TO BE REMOVED, THE PORTIONS DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ALL DAMAGE TO STRUCTURES DESIGNATED TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- WHERE NEW CONSTRUCTION TIES INTO EXISTING IMPROVEMENTS, SUCH AS PAVEMENT, SIDEWALKS, CURBS, THE CONTRACTOR SHALL SAW CUT THE EXISTING IMPROVEMENTS TO A TRUE LINE, WITH A VERTICAL FACE AND TO A MINIMUM DEPTH OF 2-INCHES OR TO THE DEPTH OF THE REINFORCING STEEL, WHICHEVER OCCURS FIRST. IF THE EDGE IS DAMAGED DURING CONSTRUCTION, IT SHALL BE RE-CUT PRIOR TO CONSTRUCTING THE NEW IMPROVEMENTS.
- CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE CLEARING OR DEMOLITION ACTIVITIES. SEE EROSION CONTROL PLANS.
- DRAINAGE STRUCTURES SHALL NOT BE REMOVED UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE TO ACCOMMODATE TRAFFIC AND DRAINAGE.

TECHNICAL REVIEW DOCUMENTS  
FOR  
**6400 ARAPAHOE**  
6400 ARAPAHOE, BOULDER, COLORADO

A PORTION OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 35, TOWNSHIP 1 NORTH, RANGE 70 WEST OF THE SIXTH PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:  
BEGINNING AT A POINT ON THE NORTH LINE OF SECTION 35, TOWNSHIP 1 NORTH, RANGE 70 WEST OF THE 6TH P.M. WHENCE THE NORTHWEST CORNER OF SAID SECTION 35 BEARS NORTH 89°49' WEST, 458.00 FEET; THENCE SOUTH 637.00 FEET; THENCE SOUTH 81°37' EAST, 644.67 FEET; THENCE NORTH 728.95 FEET TO THE NORTH LINE OF SAID SECTION 35; THENCE ALONG THE NORTH LINE OF SAID SECTION 35, NORTH 89°49' WEST, 637.78 FEET TO THE POINT OF TRUE BEGINNING; COUNTY OF BOULDER, STATE OF COLORADO

9.561 ACRES ±  
MARCH 5, 2012

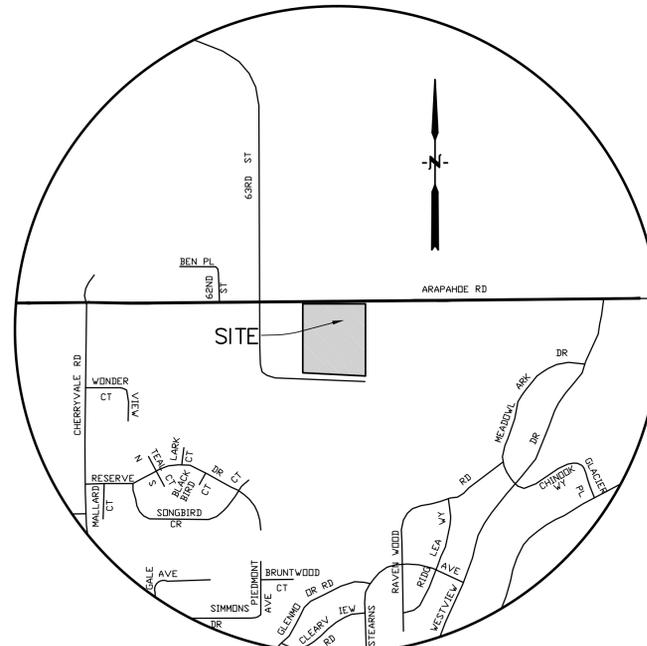
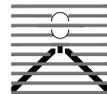
PREPARED FOR:  
**PEH ARCHITECTS**  
1319 SPRUCE STREET  
BOULDER, COLORADO 80302  
(303) 442-0408

CONTACT:  
PETER HEINZ

PREPARED BY:  
**Drexel, Barrell & Co.**  
Engineers • Surveyors

1800 38TH STREET  
BOULDER, COLORADO 80301  
(303) 442-4338

CONTACT:  
MARK HAGEMAN  
MATHEW ADAMS, P.E.



**VICINITY MAP**  
NOT TO SCALE

**BASIS OF BEARINGS**

THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 35, TOWNSHIP 1 NORTH, RANGE 70 WEST MONUMENTED AS SHOWN ON THE PLANS, WITH THE LINE BETWEEN ASSUMED TO BEAR S89°49'00"E.

**BENCHMARK**

CITY OF BOULDER BENCHMARK S-3-1-3 CHISELED SQUARE TOP END SW WINGWALL BRIDGE 63RD ST., 1800' N. OF ARAPAHOE, CITY OF BOULDER DATUM, ELEVATION 5228.59; AND S-3-1-4 CHISELED SQUARE TOP CONCRETE WALK AT NE CORNER OF INTERSECTION OF 63RD ST. & ARAPAHOE, CITY OF BOULDER DATUM, ELEVATION 5244.14.

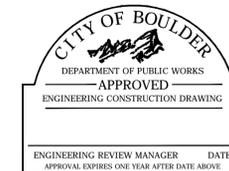
**FLOODPLAIN NOTE**

THE SUBJECT PROPERTY IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOODPLAIN) AS DEFINED BY FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NUMBER 08013C0415F MAP REVISED: JUNE 2, 1995



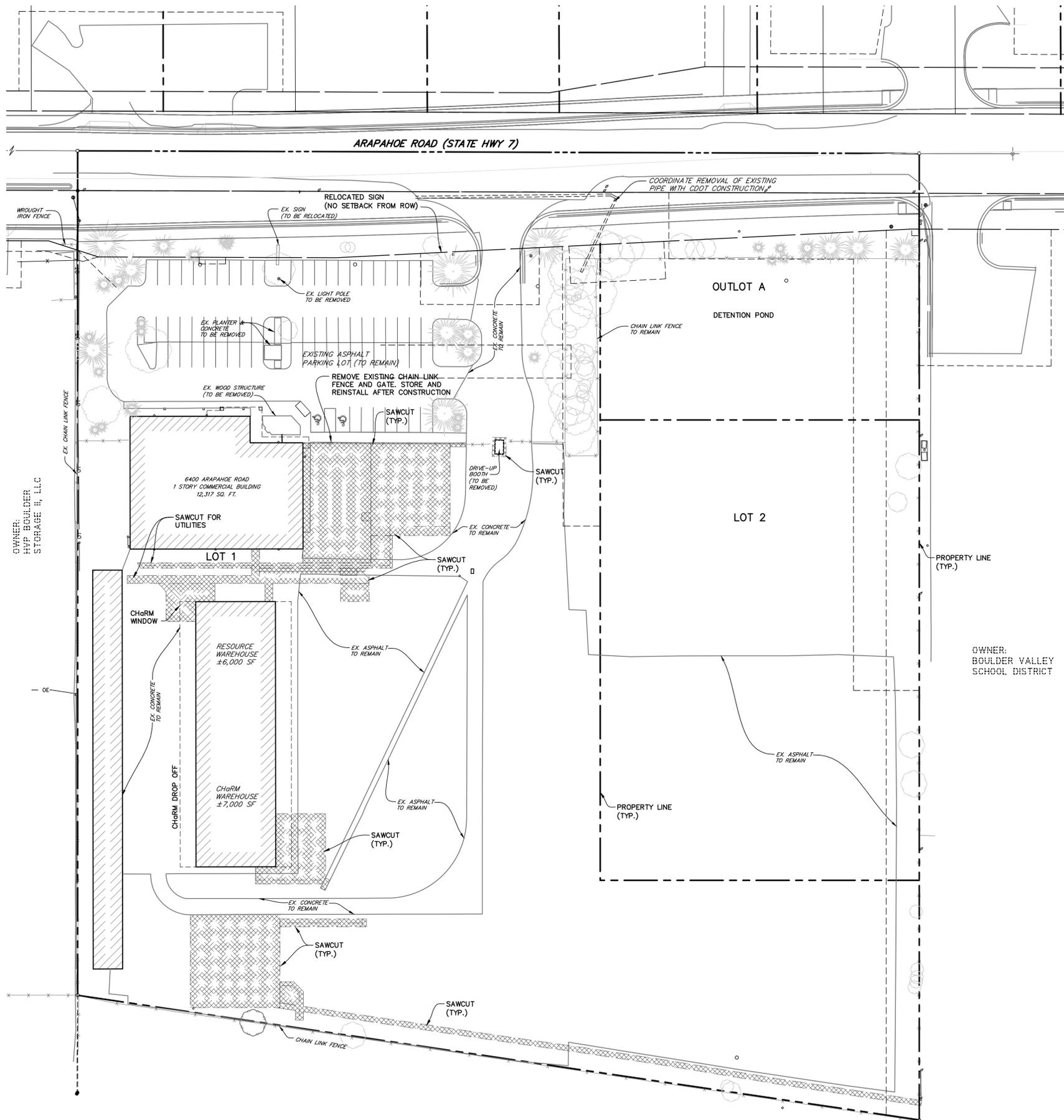
CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2-BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

SHEET INDEX	
Sheet Number	Sheet Title
C1	CIVIL COVER
C2	DEMOLITION PLAN
C3	SITE PLAN
C4	MASTER UTILITY PLAN
C5	GRADING PLAN
C6	GRADING PLAN DETAILS
C7	STORMWATER MANAGEMENT PLAN
C8	SIGNAGE STRIPING AND HORIZONTAL CONTROL PLAN
C9	DETAILS 1
C10	DETAILS 2
C11	DETAILS 3



CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER \_\_\_\_\_  
TRANSPORTATION \_\_\_\_\_  
DRAINAGE \_\_\_\_\_

5. 8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4. 8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3. 7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
2. 6/04/12	TECH DOC REVISIONS PER CITY OF BOULDER
1. 3/5/12	TECH DOC SUBMISSION
NO. DATE	REVISION
<b>PEH ARCHITECTS</b> 1319 Spruce Street Suite 207 Boulder, CO 80302 303-442-0408, fax: 303-447-1905 e-mail: peheinz@peharchitects.com	
City of Boulder, Eco-Cycle, CH2M, ReSource <b>6400 ARAPAHOE ROAD</b> BOULDER, CO 80303	
<b>TECHNICAL DOCUMENTS</b> C.O.B. CASE # _____	
SHEET TITLE <b>CIVIL COVER</b>	
PROJECT: 2010.02	SHEET NUMBER
DATE: 2/13/12	<b>C1</b>
DRAWN BY: MAA	OF
CHECKED BY: MH	



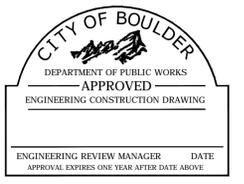
**LEGEND**

- PROPERTY LINE .....
- EASEMENT .....
- RIGHT-OF-WAY .....
- SAWCUT EXISTING PAVEMENT .....

- NOTES:
1. REMOVE ALL EXISTING PAVEMENT WITHIN THE SAWCUT BOUNDARIES AND DISPOSE APPROPRIATELY OFF-SITE.
  2. EXISTING BUILDINGS TO REMAIN EXCEPT THE GUARD SHACK.
  3. PROTECT ALL EXISTING PAVEMENT AND STORM SEWER EXCEPT WITHIN THE SAWCUT BOUNDARIES.
  4. PROTECT EXISTING WALKS, CURB & GUTTER AND LANDSCAPING.

OWNER:  
HVP BOULDER  
STORAGE II, LLC

OWNER:  
BOULDER VALLEY  
SCHOOL DISTRICT



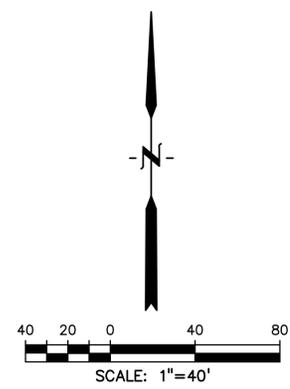
CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT

RECOMMENDATION FOR APPROVAL

WATER/SEWER \_\_\_\_\_

TRANSPORTATION \_\_\_\_\_

DRAINAGE \_\_\_\_\_



5.	8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4.	8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3.	7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
2.	6/04/12	TECH DOC REVISIONS PER CITY OF BOULDER
1.	3/5/12	TECH DOC SUBMISSION
NO.	DATE	REVISION

**PEH ARCHITECTS**  
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Boulder, CO 80302  
303-442-0408, fax: 303-447-1905  
e-mail: peheinz@peharchitects.com

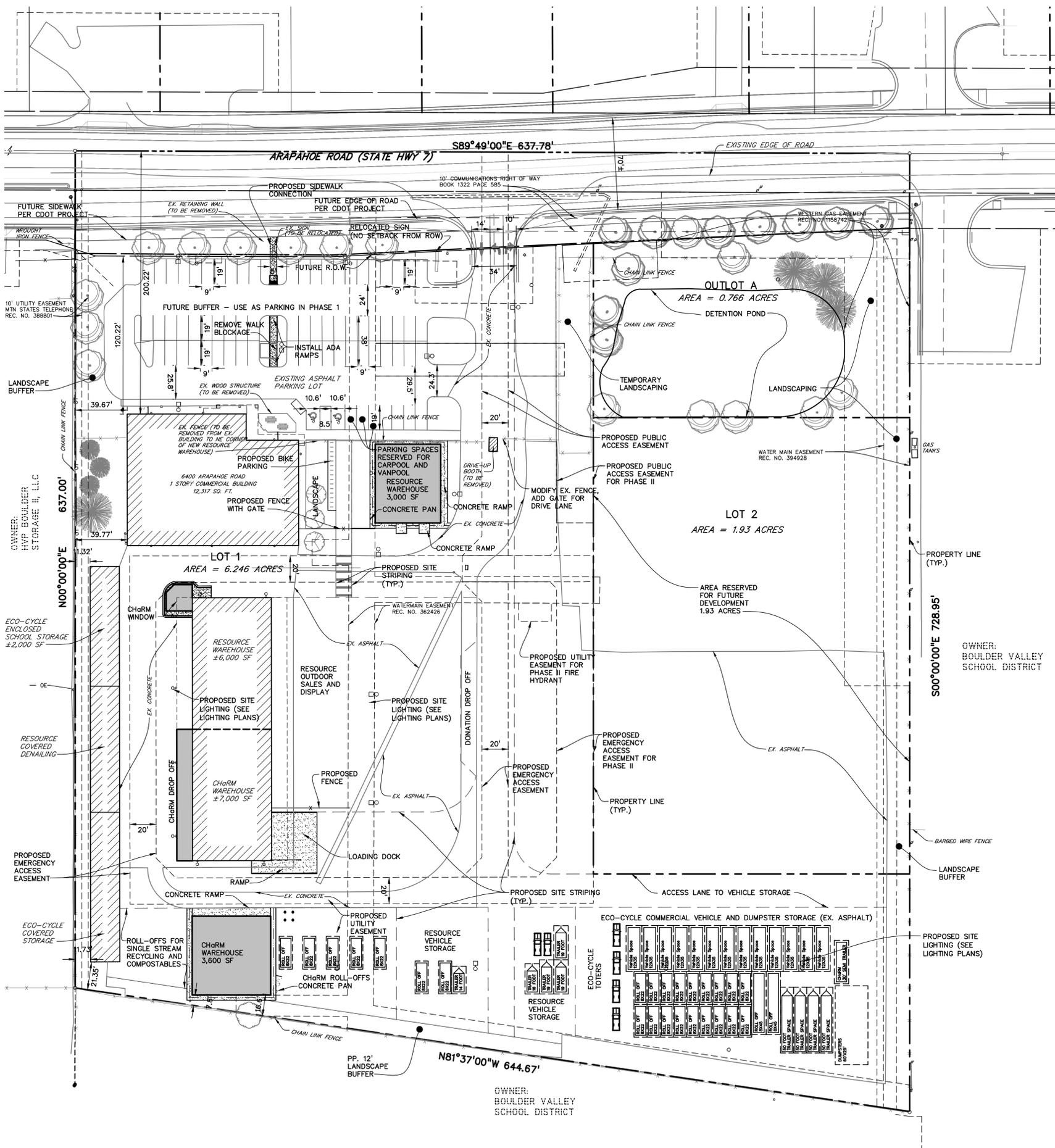
City of Boulder, Eco-Cycle, ChaRM, ReSource

**6400 ARAPAHOE ROAD**  
BOULDER, CO 80303

**TECHNICAL DOCUMENTS**  
C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**DEMOLITION PLAN**

PROJECT: 2010.02		SHEET NUMBER
DATE: 2/13/12		<b>C2</b>
DRAWN BY: MAA		OF
CHECKED BY: MH		



**LEGEND**

- PROPERTY LINE .....
- EASEMENT .....
- RIGHT-OF-WAY .....

**CITY OF BOULDER**  
 DEPARTMENT OF PUBLIC WORKS  
**APPROVED**  
 ENGINEERING CONSTRUCTION DRAWING

ENGINEERING REVIEW MANAGER \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVAL EXPIRES ONE YEAR AFTER DATE ABOVE

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL

WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 DRAINAGE \_\_\_\_\_

**SITE DATA TABLE (PHASE I)**

PARCEL AREA (LOT 1) = 6.681 ACRES

**BUILDING AREA**  
 OFFICE BUILDING = 12,317  
 WAREHOUSE = 13,574  
 WAREHOUSE OVERHANGS = 2,902 (NO PARKING REQ)  
 RECONSTRUCTED WH #1 = 3,600  
 RECONSTRUCTED WH #2 = 3,000  
 SHED = 7,532 (NO PARKING REQ)

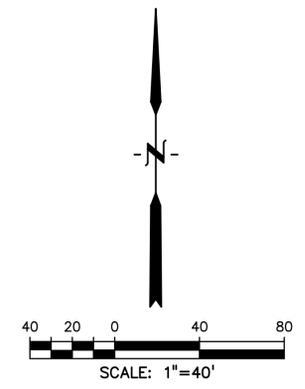
**REQUIRED PARKING**  
 32,491/400 = 82  
 ADDITIONAL REQUIRED = 10

**PROVIDED PARKING**  
 74 (20% REDUCTION)

**REQUIRED BIKE PARKING**  
 9

**PROVIDED BIKE PARKING**  
 30

**PROPOSED ZONING:** I-G



5.	8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4.	8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3.	7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
2.	6/04/12	TECH DOC REVISIONS PER CITY OF BOULDER
1.	3/5/12	TECH DOC SUBMISSION
NO.	DATE	REVISION

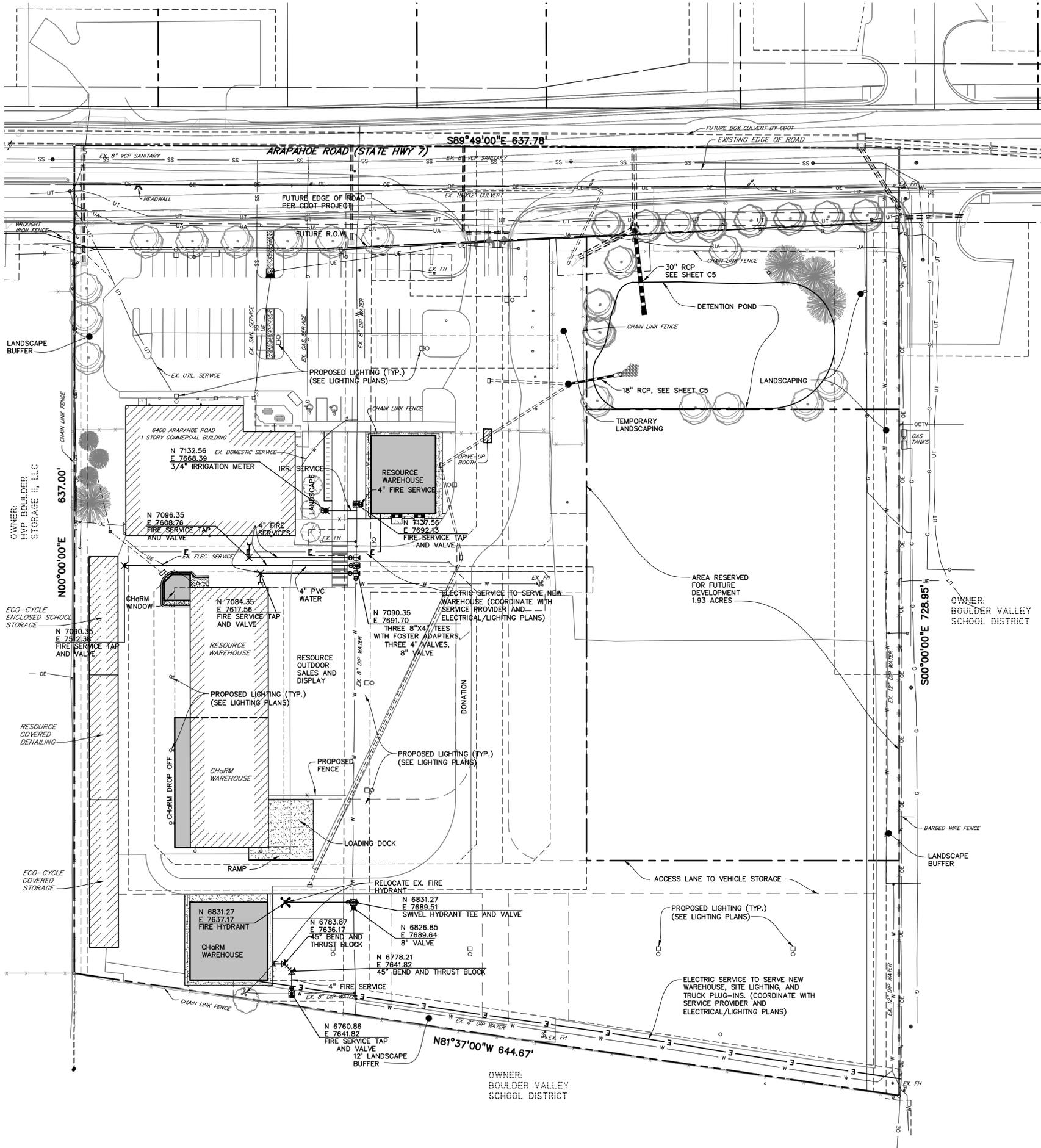
**PEH ARCHITECTS**  
 1319 Spruce Street Suite 207  
 Boulder, CO 80302  
 303-442-0408, fax: 303-447-1905  
 e-mail: peheinz@peharchitects.com

City of Boulder, Eco-Cycle, CHaRM, ReSource  
**6400 ARAPAHOE ROAD**  
 BOULDER, CO 80303

**TECHNICAL DOCUMENTS**  
 C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**SITE PLAN**

PROJECT: 2010.02	SHEET NUMBER
DATE: 2/13/12	<b>C3</b>
DRAWN BY: MAA	
CHECKED BY: MH	



**UTILITY NOTES**

1. ALL WATER AND SANITARY SEWER MATERIALS AND CONSTRUCTION SHALL CONFORM TO CITY OF BOULDER DESIGN STANDARDS AND SPECIFICATIONS, LATEST EDITION THEREOF.
2. ALL UTILITY TAPS SHALL BE MADE BY CITY OF BOULDER PERSONNEL.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE THE PROPOSED WORK AND SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
4. CONTRACTOR SHALL ADJUST ALL UTILITY STRUCTURES TO FINAL GRADE.
5. PROVIDE CONCRETE THRUST BLOCKING AT ALL BENDS, TEES, PLUGS AND HYDRANTS.
6. WATER, STORM SEWER AND SANITARY SEWER PIPE SHALL BE BEDDED IN ACCORDANCE WITH CITY OF BOULDER STANDARD SPECIFICATIONS.
7. ALL WATER LINES SHALL HAVE A MINIMUM FOUR AND A HALF (4-1/2) FEET OF COVER BELOW FINISHED GRADE.
8. CONTRACTOR SHALL COORDINATE DRY UTILITY LOCATIONS WITH ARCHITECT AND PROVIDER AGENCY.
9. ALL DIMENSIONS ARE FROM FLOWLINE (OF CURB & GUTTER) PROPERTY LINE, WALL, AND TO THE CENTERLINES OF MANHOLES, INLETS AND UTILITY LINES UNLESS NOTED OTHERWISE.
10. THE PIPE SPECIFIED FOR SANITARY SEWER LINES SHALL BE POLYVINYL CHLORIDE (PVC), SDR 35, IN ACCORDANCE WITH OR MEETING ASTM D3034.
11. WATER LINES SHALL BE EITHER A.W.W.A. C-151 CLASS 52 DUCTILE IRON PIPE OR A.W.W.A. C-900 CLASS 200 PVC PRESSURE PIPE. ALL D.I.P. SHALL BE POLYETHYLENE WRAPPED. ALL WATER SERVICES WITH PIPE DIAMETERS UNDER 2 INCHES SHALL BE TYPE K COPPER IN ACCORDANCE WITH ASTM B88.
12. WATERLINE FITTINGS SHALL BE DUCTILE-IRON OR CAST-IRON CONFORMING TO THE REQUIREMENTS SET FORTH IN ANSI A21.10, A.W.W.A. C110. CAST-IRON FITTINGS 12-INCH SIZE AND SMALLER SHALL BE CLASS 250.
13. STANDARD FIRE HYDRANT ASSEMBLY SHALL INCLUDE THE SWIVEL TEE, VALVE, 6" PIPE TO THE HYDRANT AND THE HYDRANT.
14. ALL STORM SEWER PIPE FLARED END SECTIONS SHALL BE INSTALLED WITH PREFABRICATED TRASH RACKS APPROPRIATE FOR THE PIPE SIZE AND AS SPECIFIED OR SUPPLIED BY THE MANUFACTURER.
15. PER SECTION 8-5-13 OF THE BOULDER REVISED CODE, 1981, NO PERSON SHALL EXCAVATE AN AREA IN THE PAVEMENT OF A PUBLIC STREET FOR A PERIOD OF 3 YEARS FROM COMPLETION OF RESURFACING, EXCEPT IN COMPLIANCE WITH SAID SECTION. THE OWNER MUST COORDINATE INSTALLATION/CONSTRUCTION OF UTILITIES IN 28TH STREET WITH THE 28TH STREET CIP.
16. ELECTRICAL SERVICE SHALL BE PROVIDED TO EACH BUILDING.

NOTE: ALL FIRE SERVICE SIZES SHALL BE COORDINATED WITH FINAL DESIGN OF THE SPRINKLER SYSTEMS AND ADJUSTED AS NECESSARY.

**LEGEND**

PROPERTY LINE	-----
EASEMENT	-----
RIGHT-OF-WAY	-----
PROPOSED STORM SEWER	-----
PROPOSED FIRE HYDRANT	● FH
PROPOSED WATER VALVE	⊙
PROPOSED WATER METER	⊙
PROPOSED MANHOLE	●
PROPOSED LIGHT POLE	★ LP
PROPOSED POWER POLE	▲ PP
EX. STORM CULVERT OR LARGE DIAMETER STORM SEWER	-----
EX. STORM SEWER	----- ST
EX. SANITARY SEWER	----- SS
EX. WATER LINE	----- W
EX. GAS LINE	----- G
EX. BURIED ELECTRIC LINE	----- E
EX. BURIED TELEPHONE LINE	----- T
EX. FIBER OPTICS LINE	----- FOC
EX. OVERHEAD POWER AND ELECTRIC	----- OE
EX. FIRE HYDRANT	⊙ FH
EX. WATER VALVE	⊙ WV
EX. WATER METER	⊙ WM
EX. MANHOLE	⊙ MH
EX. LIGHT POLE	★ LP
EX. POWER POLE	▲ PP

**CITY OF BOULDER**  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED  
 ENGINEERING CONSTRUCTION DRAWING

ENGINEERING REVIEW MANAGER \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVAL EXPIRES ONE YEAR AFTER DATE ABOVE

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL

WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 DRAINAGE \_\_\_\_\_

5.	8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
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**6400 ARAPAHOE ROAD**  
 BOULDER, CO 80303

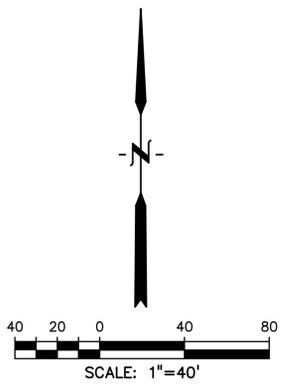
**TECHNICAL DOCUMENTS**  
 C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**MASTER UTILITY PLAN**

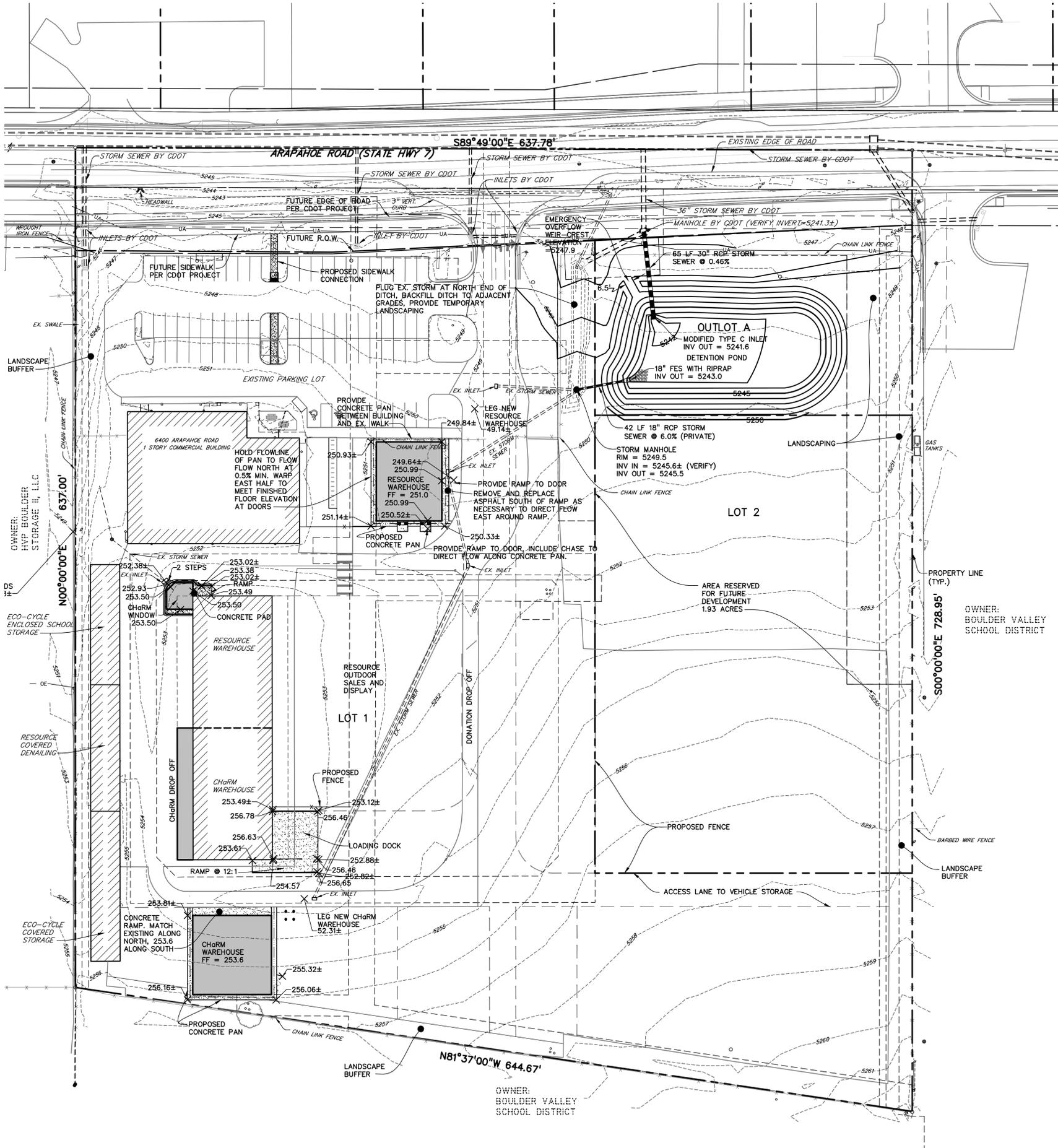
PROJECT: 2010.02  
 DATE: 2/13/12  
 DRAWN BY: MAA  
 CHECKED BY: MH

SHEET NUMBER  
**C4**  
 OF

CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



OWNER:  
 BOULDER VALLEY  
 SCHOOL DISTRICT



**GRADING NOTES**

1. MATCH EXISTING GRADES AT LIMITS OF CONSTRUCTION.
2. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1.8% AND A MAXIMUM LONGITUDINAL SLOPE OF 5% UNLESS OTHERWISE NOTED.
3. IN AREAS OF UTILITY CONSTRUCTION OR DEMOLITION, RESTORE SURFACE TO EXISTING GRADES UNLESS OTHERWISE INDICATED.
4. ALL SPOT ELEVATIONS ARE FLOWLINE OF CURB AND GUTTER OR TOP OF PAVING UNLESS OTHERWISE NOTED.
5. ALL PROPOSED CONTOURS ARE TO TOP OF FINISHED PAVING AND LANDSCAPED AREAS UNLESS OTHERWISE NOTED.
6. MAXIMUM LANDSCAPE SLOPE SHALL BE 4(HOR) TO 1(VERT) UNLESS OTHERWISE NOTED.
7. REFER TO SOILS REPORT FURNISHED BY OWNER FOR ALL COMPACTION REQUIREMENTS.
8. ADD 5200 TO ALL SPOT ELEVATIONS AND PROPOSED CONTOURS TO REACH PROJECT VERTICAL DATUM.
9. CONTRACTOR SHALL ADJUST ALL VALVE BOXES AND MANHOLE COVERS TO THE FINAL GRADES.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND PROVIDE FOR ADEQUATE DRAINAGE THROUGH THE SITE DURING THE PROCESS OF EXCAVATION, GRADING AND EMBANKMENT. THE GRADE SHALL BE MAINTAINED IN SUCH CONDITION THAT IT IS WELL DRAINED AT ALL TIMES. THE CONTRACTOR SHALL NOT REDIRECT OR CONCENTRATE FLOWS SUCH THAT DAMAGE TO DOWNSTREAM PROPERTIES WILL OCCUR.
11. THE CITY OF BOULDER REQUIRES THAT SIDEWALKS CONSTRUCTED HAVE A CROSS SLOPE OF LESS THAN 2%. SIDEWALKS SHALL BE DESIGNED AND CONSTRUCTED WITH CROSS SLOPES SUFFICIENTLY LESS THAN 2% TO ENSURE THAT THEY DO NOT EXCEED THE 2% MAXIMUM. THIS ADDITIONAL GUIDANCE IS PROVIDED TO HELP ENSURE THE PUBLIC IMPROVEMENTS ARE DESIGNED AND CONSTRUCTED IN COMPLIANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AS REQUIRED BY SECTION 2.08 OF THE DESIGN AND CONSTRUCTION STANDARDS.

**LEGEND**

- PROPOSED INTERMEDIATE CONTOUR..... 64
- PROPOSED INDEX CONTOUR..... 65
- PROPOSED SPOT ELEVATION (ALL C&G ELEVATIONS ARE U.N.O.) x 251.67
- EX. INTERMEDIATE CONTOUR..... 5364
- EX. INDEX CONTOUR..... 5365
- EX. SPOT ELEVATIONS..... x 251.67±
- PROPOSED STORM SEWER.....
- PROPOSED MANHOLE.....
- EX. STORM CULVERT OR LARGE DIAMETER STORM SEWER.....
- EX. STORM SEWER..... ST
- EX. MANHOLE..... MH

**CITY OF BOULDER**  
DEPARTMENT OF PUBLIC WORKS  
**APPROVED**  
ENGINEERING CONSTRUCTION DRAWING

ENGINEERING REVIEW MANAGER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES ONE YEAR AFTER DATE ABOVE

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
**RECOMMENDATION FOR APPROVAL**

WATER/SEWER \_\_\_\_\_  
TRANSPORTATION \_\_\_\_\_  
DRAINAGE \_\_\_\_\_

5.	8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4.	8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3.	7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
2.	6/04/12	TECH DOC REVISIONS PER CITY OF BOULDER
1.	3/5/12	TECH DOC SUBMISSION
NO.	DATE	REVISION

**PEH ARCHITECTS**  
1319 Spruce Street Suite 207  
Boulder, CO 80302  
303-442-0408, fax: 303-447-1905  
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City of Boulder, Eco-Cycle, ChRM, ReSource  
**6400 ARAPAHOE ROAD**  
BOULDER, CO 80303

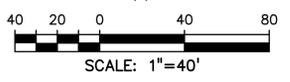
**TECHNICAL DOCUMENTS**  
C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**GRADING PLAN**

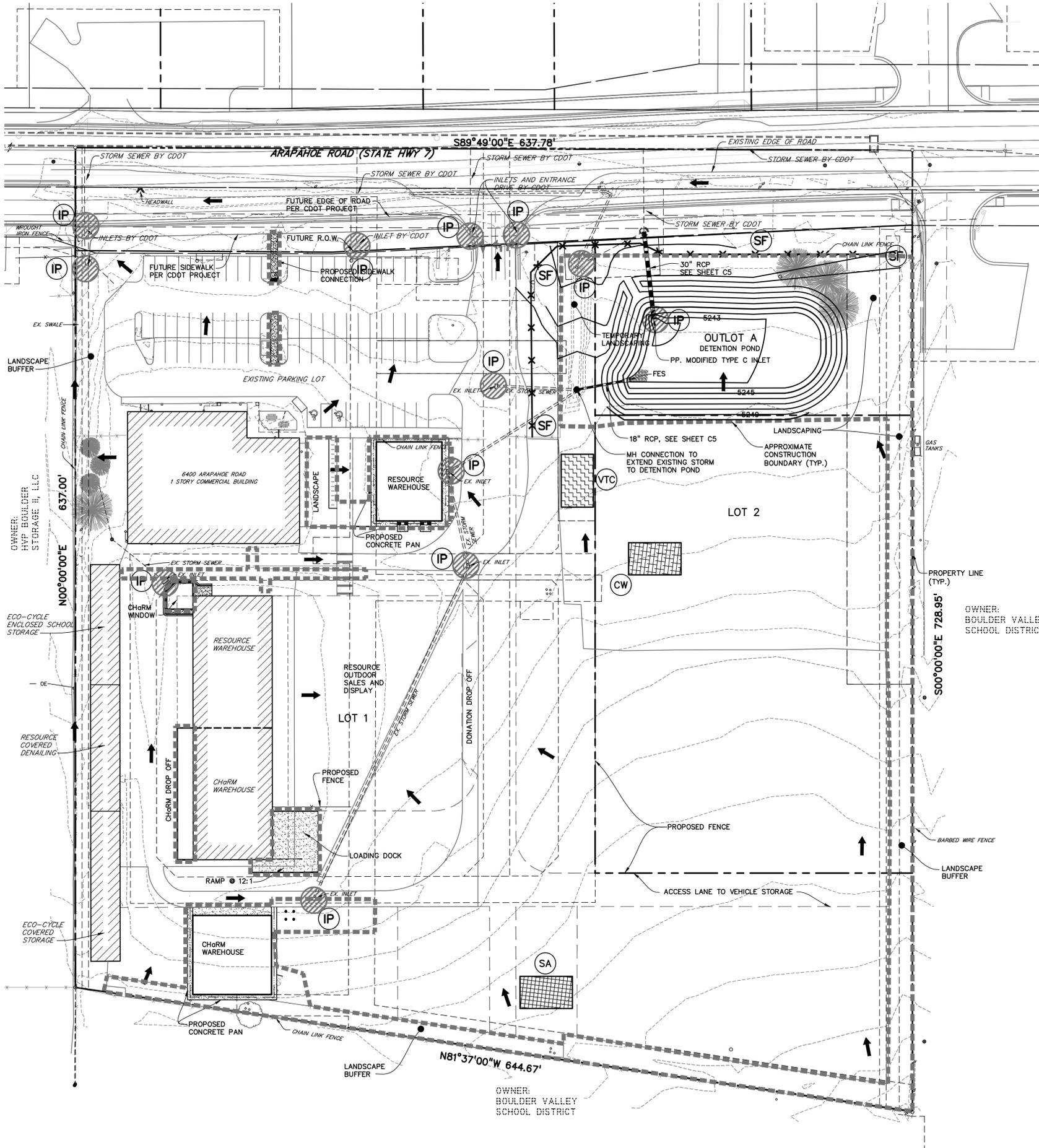
PROJECT:	2010.02	SHEET NUMBER
DATE:	2/13/12	<b>C5</b>
DRAWN BY:	MAA	OF
CHECKED BY:	MH	



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MEMBER UTILITIES.







**EROSION CONTROL NOTES**

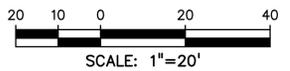
1. PAVING AND LANDSCAPING SHALL COMMENCE AS SOON AS POSSIBLE. EROSION CONTROL IS DEPENDENT UPON PAVING AND LANDSCAPING COMPLETION.
2. ALL TOPSOIL SHALL BE SALVAGED. TOPSOIL AND OVERBURDEN SHALL BE REDISTRIBUTED WITHIN THE GRADED AREA AFTER ROUGH GRADING TO PROVIDE A SUITABLE BASE FOR AREAS WHICH WILL BE SEEDED AND PLANTED. RUNOFF FROM STOCKPILED AREAS SHALL BE CONTROLLED TO PREVENT EROSION.
3. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS.
4. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATER, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
5. BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMP'S MAY BE REQUIRED BY CITY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES (E.G., ESTIMATED TIME OF EXPOSURE, SEASON OF THE YEAR, ETC.).
6. ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
7. NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE CITY ENGINEER. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
8. ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMP'S IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE CITY OF BOULDER AND IN ACCORDANCE WITH THE EROSION AND STORMWATER QUALITY CONTROL PLAN APPROVED BY THE CITY OF BOULDER, IF REQUIRED.
9. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
10. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER, INCLUDING THE TEMPORARY OR PERMANENT RAMPING WITH MATERIALS FOR VEHICLE ACCESS.
11. INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), REGULATIONS PROMULGATED, CERTIFICATIONS OR PERMITS ISSUED, IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE MANUAL. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
12. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS. MATERIALS SHALL NOT BE STORED IN A LOCATION WHERE THEY MAY BE CARRIED BY STORMWATER RUNOFF INTO A STATE WATER AT ANY TIME.
13. SPILL PREVENTION AND CONTAINMENT MEASURES SHALL BE USED AT STORAGE, AND EQUIPMENT FUELING AND SERVICING AREAS TO PREVENT THE POLLUTION OF ANY STATE WATERS, INCLUDING WETLANDS. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, OR CONTAINED UNTIL APPROPRIATE CLEANUP METHODS CAN BE EMPLOYED. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE FOLLOWED, ALONG WITH PROPER DISPOSAL METHODS.

**CITY OF BOULDER EROSION CONTROL NOTES**

1. ALL TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSTALLED BEFORE ANY CONSTRUCTION ACTIVITIES TAKE PLACE.
2. SOLID WASTE, INDUSTRIAL WASTE, YARD WASTE AND ANY OTHER POLLUTANTS OR WASTE ON ANY CONSTRUCTION SITE SHALL BE CONTROLLED THROUGH THE USE OF BMP'S. WASTE AND/OR RECYCLING CONTAINERS SHALL BE PROVIDED AND MAINTAINED BY THE OWNER OR CONTRACTOR ON CONSTRUCTION SITES WHERE THERE IS POTENTIAL FOR RELEASE OF WASTE. UNCONTAINED WASTE THAT MAY BLOW, WASH OR OTHERWISE BE RELEASED FROM THE SITE IS PROHIBITED. SANITARY WASTE FROM THESE FACILITIES SHALL BE PROVIDED AND MAINTAINED BY THE OWNER OR CONSTRUCTOR.
3. READY-MIXED CONCRETE, OR ANY MATERIALS RESULTING FROM THE CLEANING OF VEHICLES OR EQUIPMENT CONTAINING OR USED IN TRANSPORTING OR APPLYING IT, SHALL BE CONTAINED ON CONSTRUCTION SITES FOR PROPER DISPOSAL. RELEASE OF THESE MATERIALS IS PROHIBITED.
4. COVER SHALL BE APPLIED WITHIN 14 DAYS TO INACTIVE SOIL STOCKPILES, AND SHALL BE MAINTAINED FOR STOCKPILES THAT ARE PROPOSED TO REMAIN IN PLACE LONGER THAN 30 CALENDAR DAYS.
5. BMP'S SHALL BE IMPLEMENTED TO PREVENT THE RELEASE OF SEDIMENT FROM CONSTRUCTION SITES. VEHICLE TRACKING OF MUD SHALL NOT BE ALLOWED TO ENTER THE STORM WATER SYSTEM OR WATERS OF THE STATE. SEDIMENT TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED.
6. TECHNIQUES SHALL BE USED TO PREVENT DUST, SEDIMENT OR DEBRIS BLOWING FROM THE SITE.
7. STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION OR DEGRADATION OF WATERS OF THE STATE.
8. ALL EARTH DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED AND COMPLETED TO LIMIT THE EXPOSED AREA OF ANY DISTURBED LAND TO THE SHORTEST POSSIBLE PERIOD OF TIME.
9. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING THE STORM WATER SYSTEM OR WATERS OF THE STATE.
10. ANY DISTURBANCE TO TEMPORARY AND PERMANENT BMP'S SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS.
11. THE PROPERTY OWNER AND SUBSEQUENT PROPERTY OWNERS WILL BE RESPONSIBLE FOR CONTINUED COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION, DURING CONSTRUCTION ACTIVITY ON THE SITE.
12. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AND DISPOSED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED, OR AFTER, THE TEMPORARY MEASURES ARE NO LONGER NEEDED, WHICHEVER OCCURS FIRST.

**LEGEND**

EX. INTERMEDIATE CONTOUR .....	5364
EX. INDEX CONTOUR .....	5365
PROPOSED INTERMEDIATE CONTOUR .....	64
PROPOSED INDEX CONTOUR .....	65
DIRECTION OF FLOW .....	←
INLET PROTECTION .....	IP
SILT FENCE .....	SF
VEHICLE TRACKING CONTROL .....	VTC
CONSTRUCTION BOUNDARY .....	---
STORAGE AREAS .....	SA
CONCRETE WASHOUT .....	CW



NOTE: SEE LANDSCAPE PLANS FOR TREE PROTECTION AND FINAL STABILIZATION IN LANDSCAPE AREAS.

**CITY OF BOULDER**  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED  
 ENGINEERING CONSTRUCTION DRAWING

ENGINEERING REVIEW MANAGER \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVAL EXPIRES ONE YEAR AFTER DATE ABOVE

CITY OF BOULDER  
 PUBLIC WORKS DEPARTMENT  
 RECOMMENDATION FOR APPROVAL  
 WATER/SEWER \_\_\_\_\_  
 TRANSPORTATION \_\_\_\_\_  
 DRAINAGE \_\_\_\_\_

5.	8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4.	8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3.	7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
2.	6/04/12	TECH DOC REVISIONS PER CITY OF BOULDER
1.	3/5/12	TECH DOC SUBMISSION
NO.	DATE	REVISION

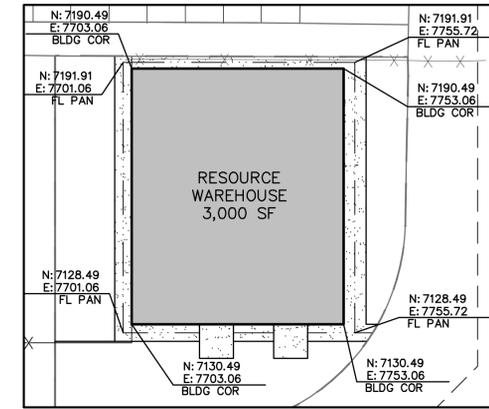
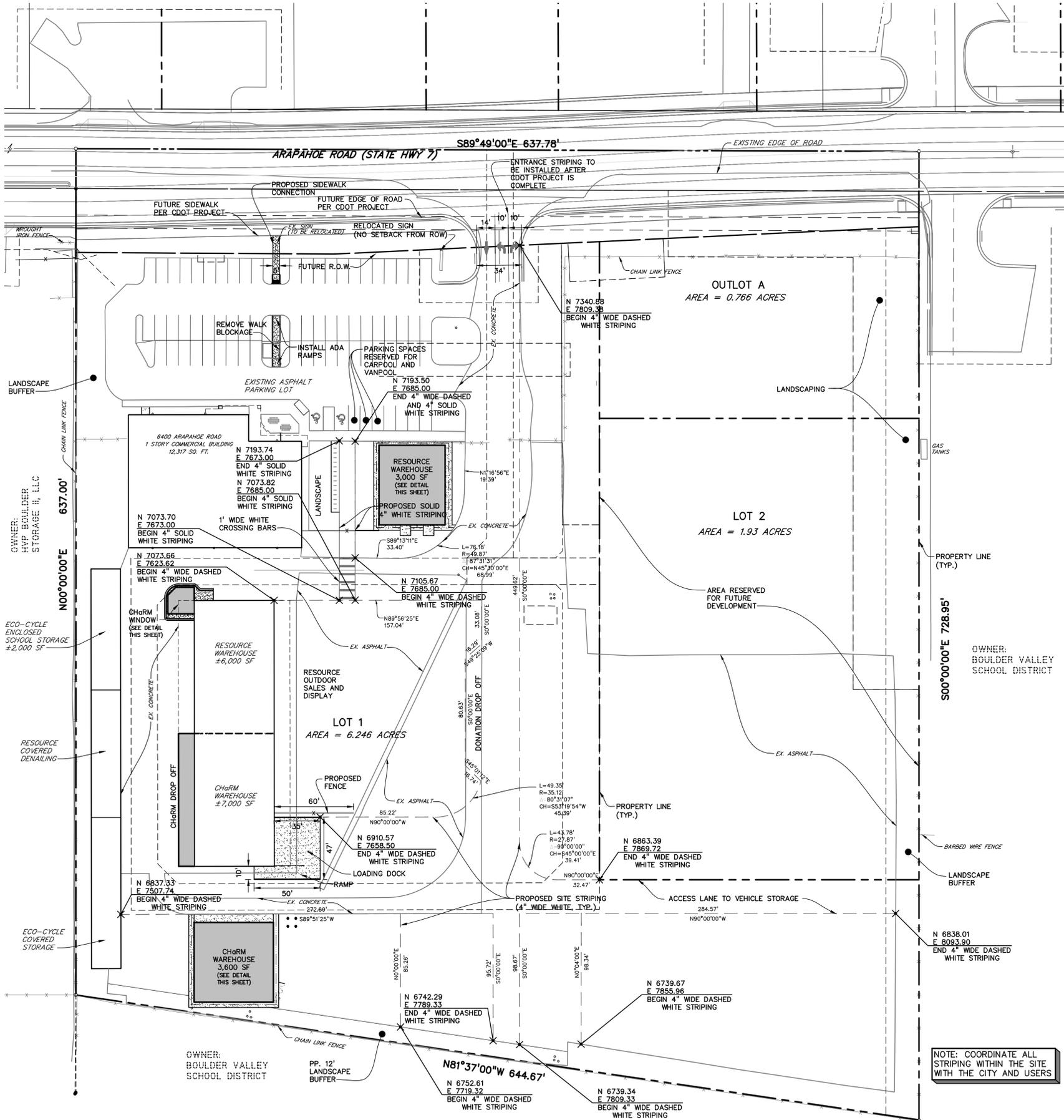
**PEH ARCHITECTS**  
 1319 Spruce Street Suite 207  
 Boulder, CO 80302  
 303-442-0408, fax: 303-447-1905  
 e-mail: peheinz@peharchitects.com

City of Boulder, Eco-Cycle, ChRM, ReSource  
**6400 ARAPAHOE ROAD**  
 BOULDER, CO 80303

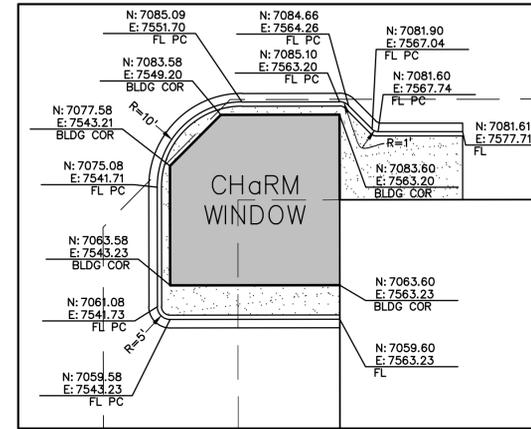
**TECHNICAL DOCUMENTS**  
 C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**STORMWATER MANAGEMENT PLAN**

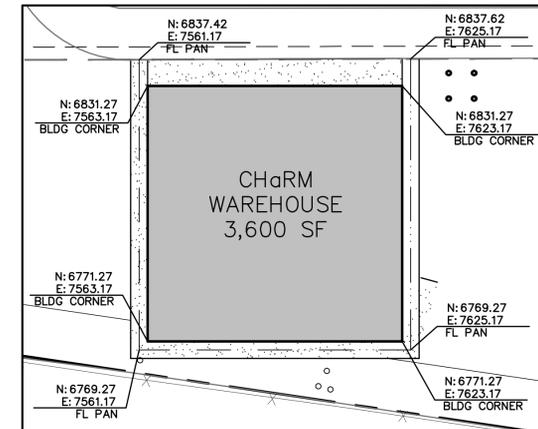
PROJECT:	2010.02	SHEET NUMBER
DATE:	2/13/12	<b>C7</b>
DRAWN BY:	MAA	OF
CHECKED BY:	MH	



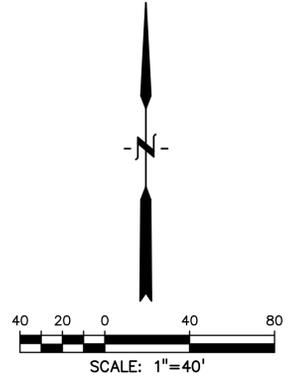
**RESOURCE WAREHOUSE DETAIL**  
SCALE: 1" = 20'



**CHARM WINDOW DETAIL**  
SCALE: 1" = 10'



**CHARM WAREHOUSE DETAIL**  
SCALE: 1" = 20'



- SIGNING AND STRIPING NOTES:**
- CONTACT THE CITY OF BOULDER SIGN SHOP (303-413-7122) FOR LOCATION OF ALL SIGNS PRIOR TO INSTALLATION.
  - CONTACT THE CITY OF BOULDER SIGN SHOP (303-413-7122) FOR SIGN LAYOUT/DETAILS PRIOR TO ORDERING.
  - ALL SIGN SHEETING TO BE CLASS XI (D63 MATERIAL) 3-M.
  - ALL SIGNS SHALL BE 0.100 GAUGE ALUMINUM.
  - ALL SIGN POSTS TO BE 12 GAUGE 2-1/4 INCH UNISTRUT.
  - ALL SIGN BASES TO BE 12 GAUGE 2-1/4 INCH UNISTRUT.
  - SIGN POST LENGTHS WILL VARY, BUT 7 FOOT MINIMUM CLEARANCE FROM BOTTOM OF SIGN TO GROUND LEVEL IS REQUIRED.
  - ALL SIGN MOUNT HARDWARE TO BE BARTON LOCK SYSTEM.

**CITY OF BOULDER**  
DEPARTMENT OF PUBLIC WORKS  
APPROVED  
ENGINEERING CONSTRUCTION DRAWING

ENGINEERING REVIEW MANAGER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES ONE YEAR AFTER DATE ABOVE

**CITY OF BOULDER**  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL

WATER/SEWER \_\_\_\_\_  
TRANSPORTATION \_\_\_\_\_  
DRAINAGE \_\_\_\_\_

5.	8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4.	8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3.	7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
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1.	3/5/12	TECH DOC SUBMISSION
NO.	DATE	REVISION

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Boulder, CO 80302  
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e-mail: peheinz@peharchitects.com

City of Boulder, Eco-Cycle, ChARM, ReSource  
**6400 ARAPAHOE ROAD**  
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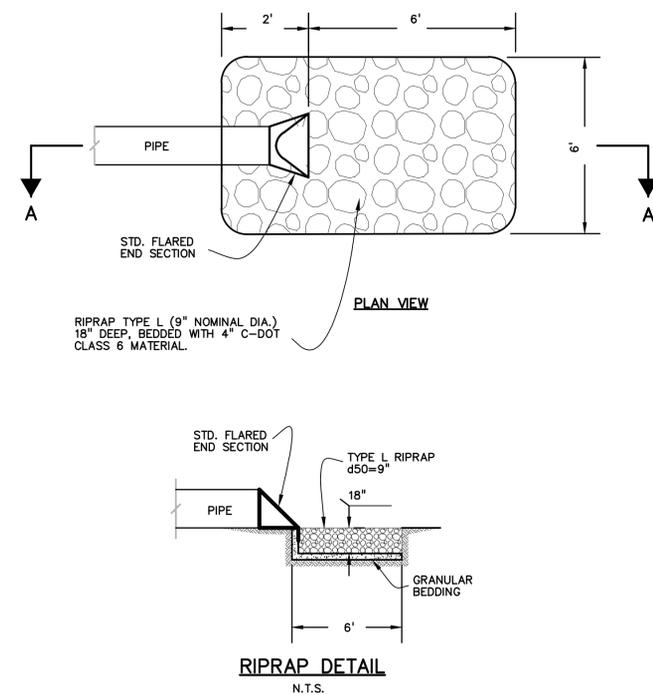
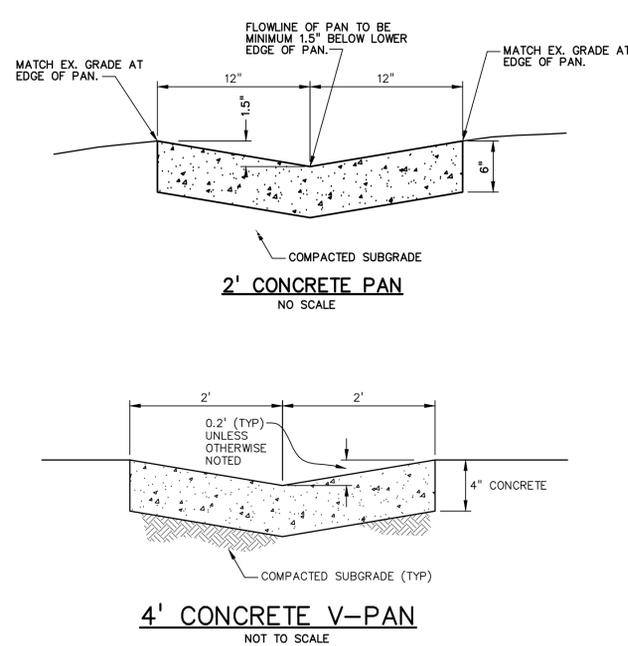
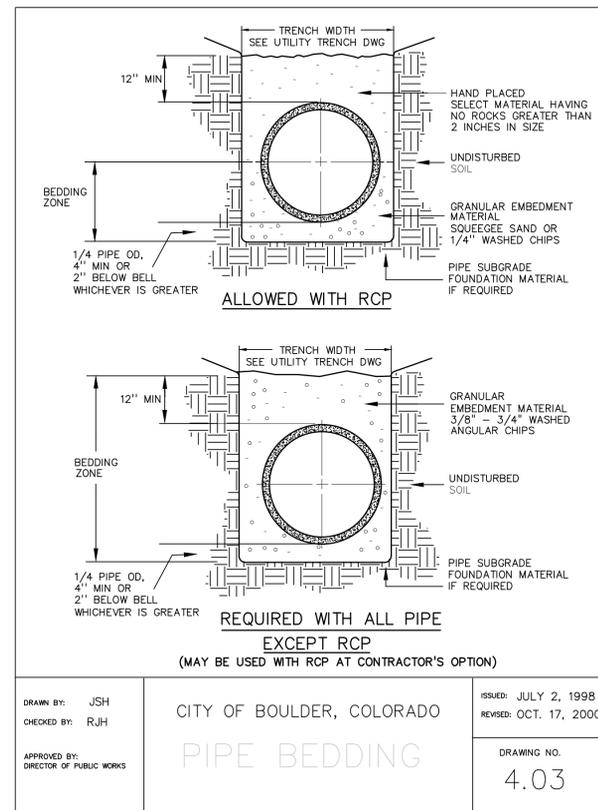
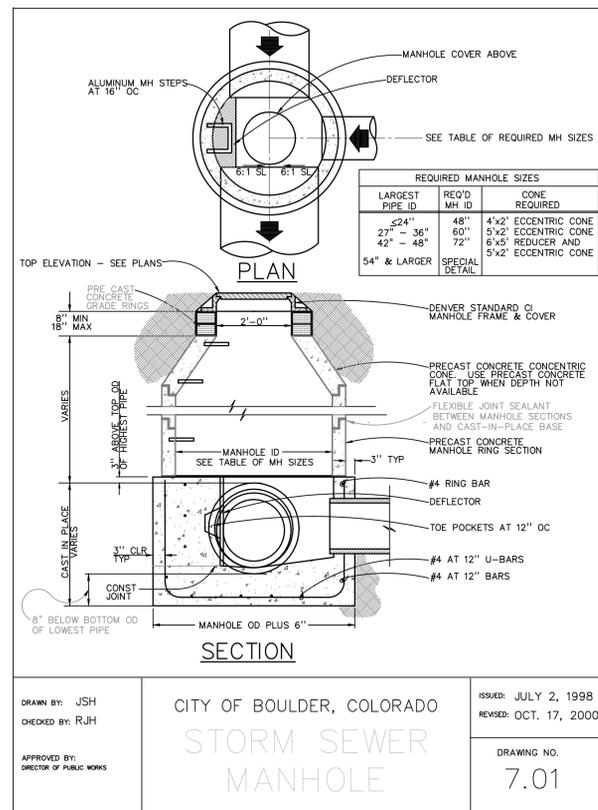
**TECHNICAL DOCUMENTS**  
C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**SIGNAGE, STRIPING, AND HORIZONTAL CONTROL PLAN**

PROJECT: 2010.02  
DATE: 2/13/12  
DRAWN BY: MAA  
CHECKED BY: MH

**peh**

SHEET NUMBER  
**C8**  
OF



DRAWN BY: JSH  
CHECKED BY: RJH  
APPROVED BY: DIRECTOR OF PUBLIC WORKS

CITY OF BOULDER, COLORADO  
**STORM SEWER MANHOLE**

ISSUED: JULY 2, 1998  
REVISED: OCT. 17, 2000

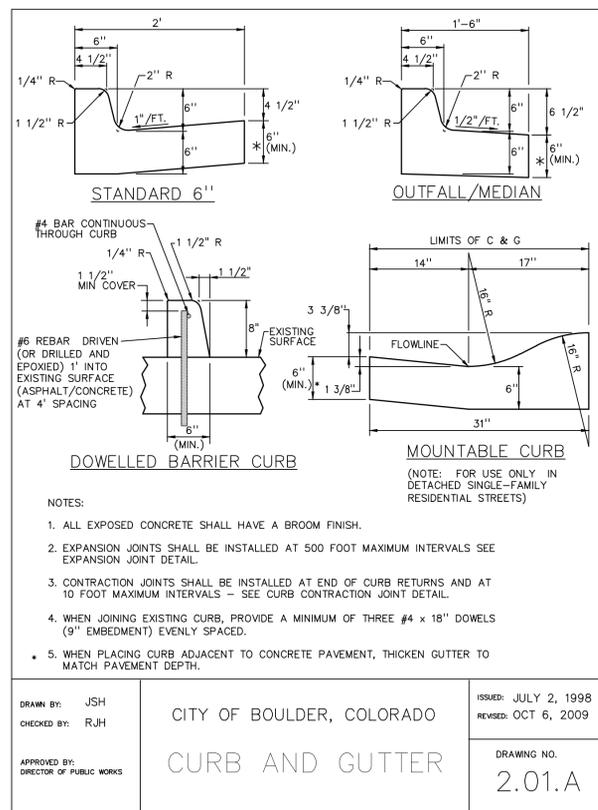
DRAWING NO.  
**7.01**

DRAWN BY: JSH  
CHECKED BY: RJH  
APPROVED BY: DIRECTOR OF PUBLIC WORKS

CITY OF BOULDER, COLORADO  
**PIPE BEDDING**

ISSUED: JULY 2, 1998  
REVISED: OCT. 17, 2000

DRAWING NO.  
**4.03**

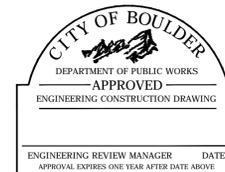


DRAWN BY: JSH  
CHECKED BY: RJH  
APPROVED BY: DIRECTOR OF PUBLIC WORKS

CITY OF BOULDER, COLORADO  
**CURB AND GUTTER**

ISSUED: JULY 2, 1998  
REVISED: OCT 6, 2009

DRAWING NO.  
**2.01.A**



CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT

RECOMMENDATION FOR APPROVAL

WATER/SEWER \_\_\_\_\_

TRANSPORTATION \_\_\_\_\_

DRAINAGE \_\_\_\_\_

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4.	8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
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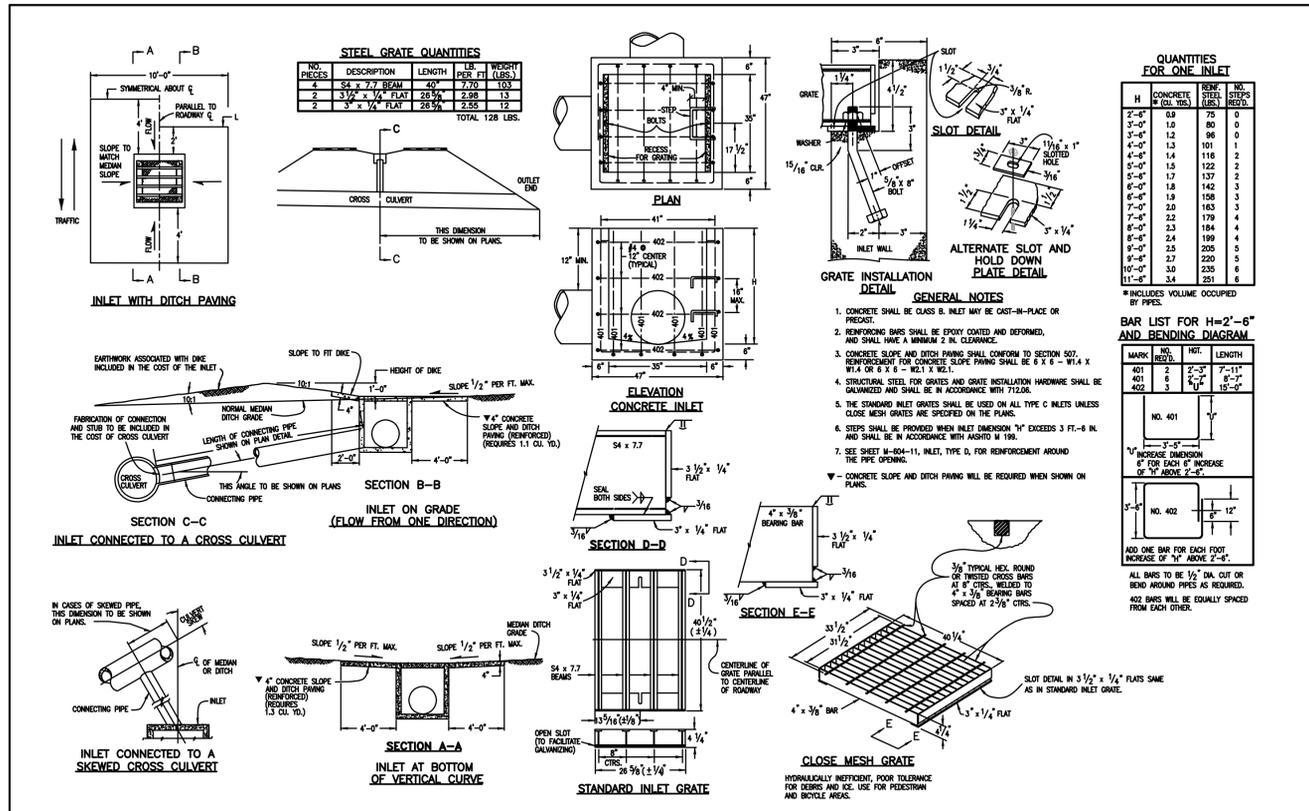
City of Boulder, Eco-Cycle, CHaRM, ReSource

**6400 ARAPAHOE ROAD**  
BOULDER, CO 80303

**TECHNICAL DOCUMENTS**  
C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**DETAILS (1 OF 3)**

PROJECT:	2010.02		SHEET NUMBER
DATE:	2/13/12		<b>C9</b>
DRAWN BY:	TLT		
CHECKED BY:	MH		



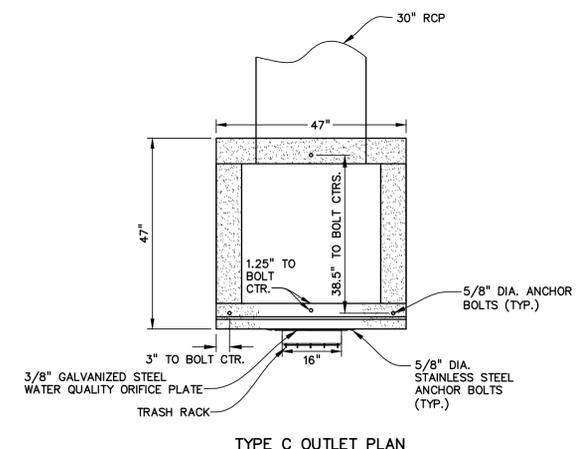
**STEEL GRATE QUANTITIES**

NO. PIECES	DESCRIPTION	LENGTH PER FT. (LBS.)	WEIGHT
4	3/4" x 7/8" BEAM	20	103
2	3/4" x 1/2" FLAT	28 1/2	13
2	3/4" x 1/2" FLAT	2 1/2	12
TOTAL			128 LBS.

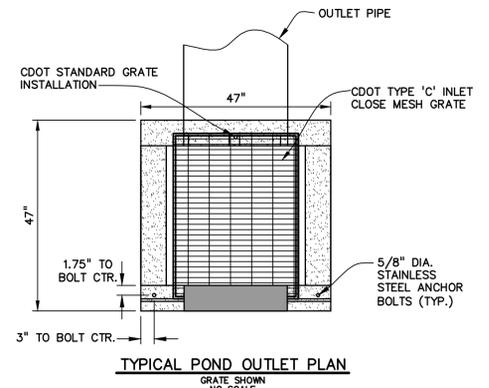
**QUANTITIES FOR ONE INLET**

H	CONCRETE (CU. YDS.)	REIN. (LBS.)	NO. PIECES
2'-0"	0.9	75	0
3'-0"	1.0	80	0
3'-6"	1.2	96	0
4'-0"	1.3	101	1
4'-6"	1.4	116	2
5'-0"	1.5	122	2
5'-6"	1.7	137	2
6'-0"	1.8	142	3
6'-6"	1.9	158	3
7'-0"	2.0	163	3
7'-6"	2.2	179	4
8'-0"	2.3	184	4
8'-6"	2.4	199	4
9'-0"	2.5	205	5
10'-0"	3.0	235	6
11'-0"	3.4	251	6

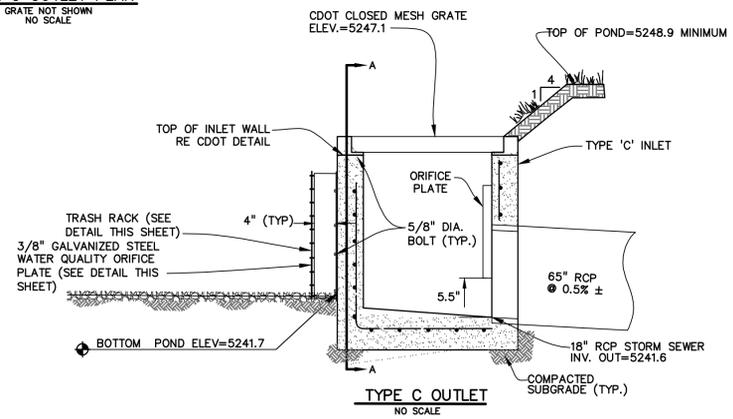
Colorado Department of Transportation 4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 FAX: (303) 757-9820 Project Development Branch	Computer File Information Path: www.dot.state.co.us/DevelopProjects/DesignSupport/MSstandards/ Drawing File Name: 6040100101.dwg Acad Version: R14 Scale: NA Units: English	Standard Plan Revised Date: 05/01/01 Comments: Grammatical Correction	<b>INLET, TYPE C</b> Issued By: Project Development Branch October 1, 2000	<b>STANDARD PLAN NO.</b> M-604-10 Sheet No. 1 of 1
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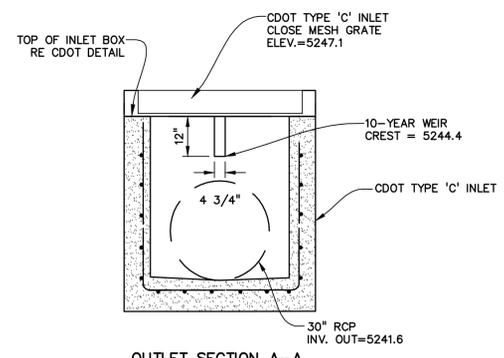
**TYPE C OUTLET PLAN**  
NO SCALE



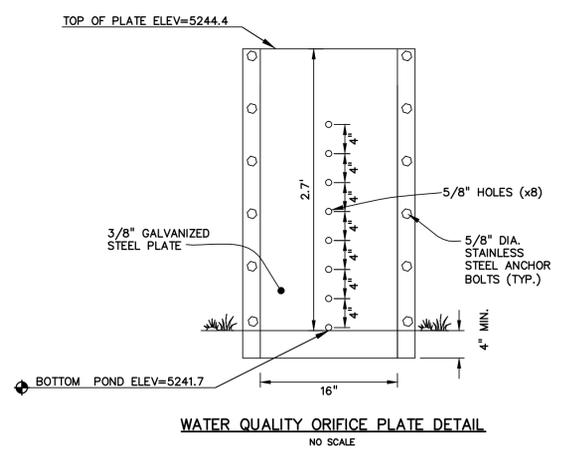
**TYPICAL POND OUTLET PLAN**  
NO SCALE



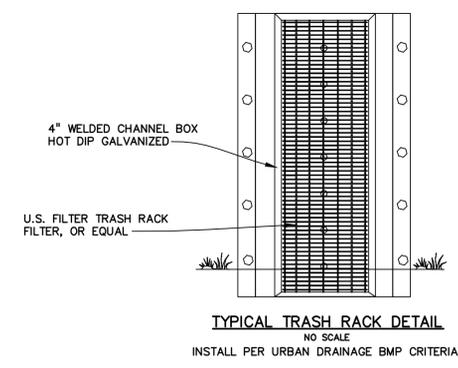
**TYPE C OUTLET**  
NO SCALE



**OUTLET SECTION A-A**  
NO SCALE



**WATER QUALITY ORIFICE PLATE DETAIL**  
NO SCALE



**TYPICAL TRASH RACK DETAIL**  
NO SCALE  
INSTALL PER URBAN DRAINAGE BMP CRITERIA

**CITY OF BOULDER**  
DEPARTMENT OF PUBLIC WORKS  
APPROVED  
ENGINEERING CONSTRUCTION DRAWING

CITY OF BOULDER  
PUBLIC WORKS DEPARTMENT  
RECOMMENDATION FOR APPROVAL  
WATER/SEWER \_\_\_\_\_  
TRANSPORTATION \_\_\_\_\_  
DRAINAGE \_\_\_\_\_

5. 8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4. 8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3. 7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
2. 6/04/12	TECH DOC REVISIONS PER CITY OF BOULDER
1. 3/5/12	TECH DOC SUBMISSION
NO. DATE	REVISION

**PEH ARCHITECTS**  
1319 Spruce Street Suite 207  
Boulder, CO 80302  
303-442-0408, fax: 303-447-1905  
e-mail: peheinz@peharchitects.com

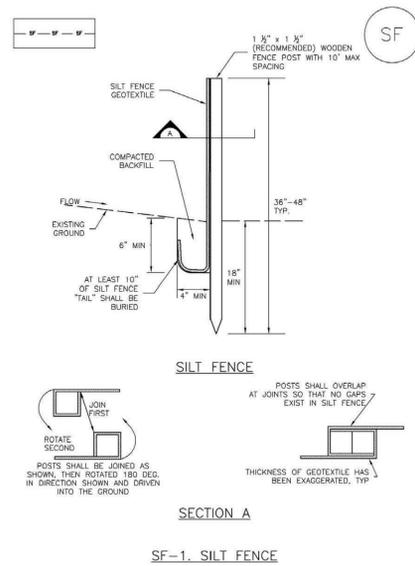
City of Boulder, Eco-Cycle, CHaRM, ReSource  
**6400 ARAPAHOE ROAD**  
BOULDER, CO 80303

**TECHNICAL DOCUMENTS**  
C.O.B. CASE # \_\_\_\_\_

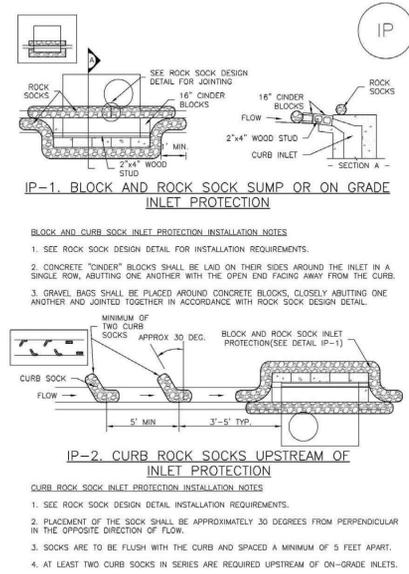
SHEET TITLE  
**DETAILS (2 OF 3)**

PROJECT: 2010.02		SHEET NUMBER
DATE: 2/13/12		<b>C10</b>
DRAWN BY: TLT		OF
CHECKED BY: MH		

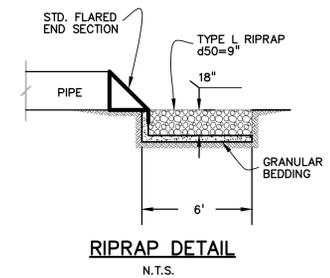
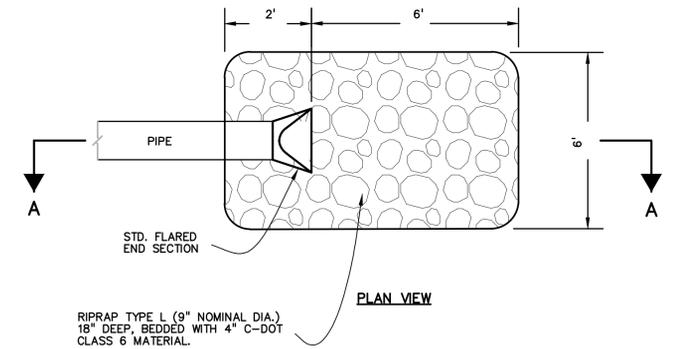
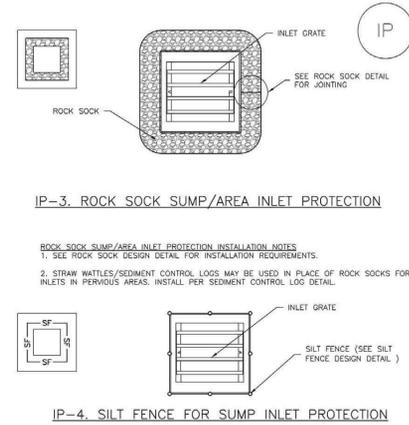
**Silt Fence (SF) SC-1**



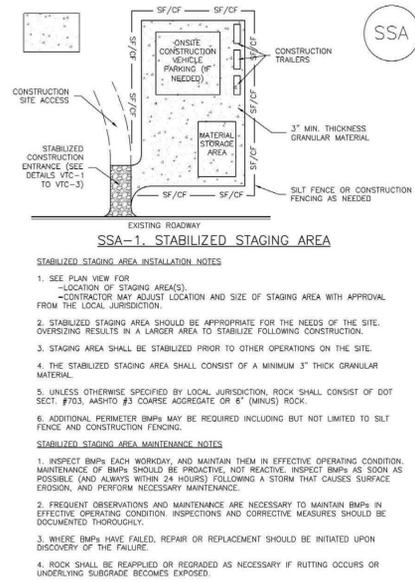
**SC-6 Inlet Protection (IP)**



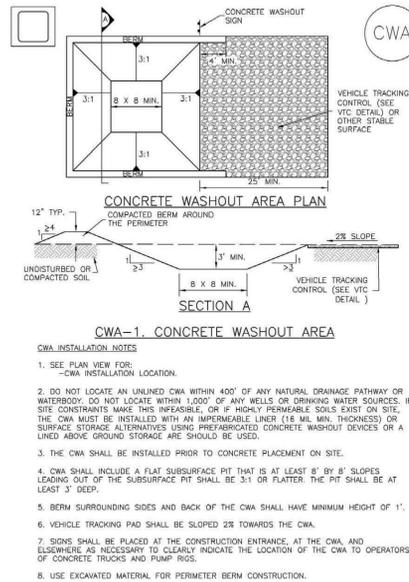
**Inlet Protection (IP) SC-6**



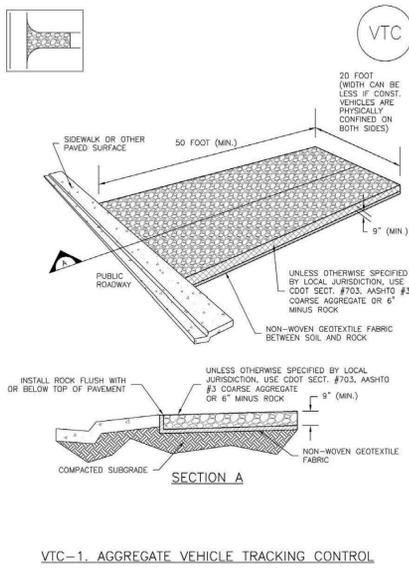
**Stabilized Staging Area (SSA) SM-6**



**Concrete Washout Area (CWA) MM-1**



**Vehicle Tracking Control (VTC) SM-4**



5.	8/10/12	TECH DOC REVISIONS PER CITY OF BOULDER
4.	8/06/12	TECH DOC REVISIONS PER CITY OF BOULDER
3.	7/02/12	TECH DOC REVISIONS PER CITY OF BOULDER
2.	6/04/12	TECH DOC REVISIONS PER CITY OF BOULDER
1.	3/5/12	TECH DOC SUBMISSION
NO.	DATE	REVISION

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**TECHNICAL DOCUMENTS**  
C.O.B. CASE # \_\_\_\_\_

SHEET TITLE  
**DETAILS (3 OF 3)**

PROJECT:	2010.02	SHEET NUMBER
DATE:	2/13/12	<b>C11</b>
DRAWN BY:	TLT	OF
CHECKED BY:	MH	