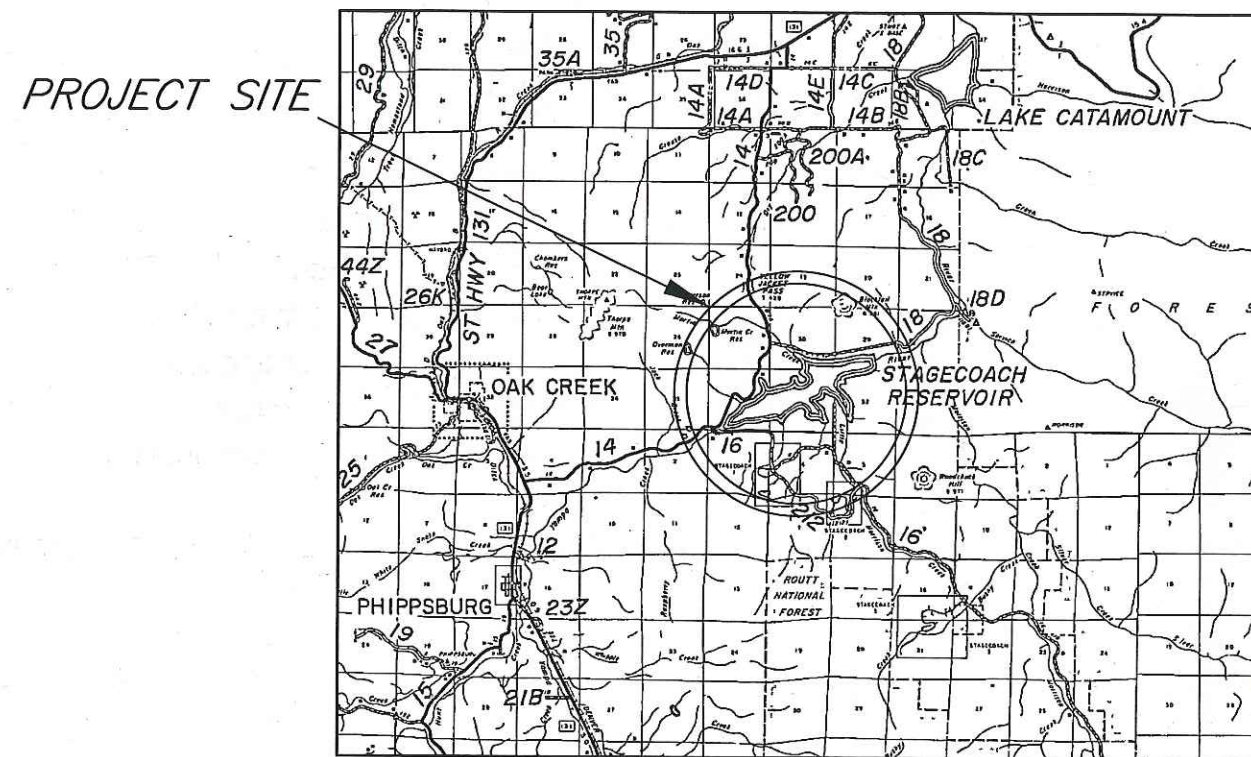


STAGECOACH RESERVOIR ENLARGEMENT RESERVOIR AMENITY IMPROVEMENTS

Construction Drawings July 2008

DRAWING INDEX



VICINITY MAP

Not to Scale

- C-001 GENERAL NOTES & LEGENDS
- C-101 OVERALL SITE PLAN
- C-102 AREA "A" - SWIM BEACH
- C-103 AREA "A" - SWIM BEACH PATIO AREA
- C-104 AREA "A" - SWIM BEACH VOLLEYBALL AREA
- C-105 AREA "A" - SWIM BEACH PICNIC TABLE AREAS
- C-106 AREA "B" - MARINA BOAT RAMP AND DOCKS
- C-107 AREA "C" - HAYBRO DAY USE AREA
- C-108 AREA "D" - FISHERMAN ACCESS
- C-109 AREA "E" - PARKING LOT AND VAULT TOILET ON RCR-14
- C-110 AREA "F" - PARKING LOT AND VAULT TOILET ON RCR-16 NEAR YAMPA RIVER BRIDGE
- C-111 AREA "G" - PARKING LOT ON RCR-16
- C-112 AREA "H" - LITTLE MORRISON CREEK BOAT RAMP, VAULT TOILET, AND PARKING LOT
- C-113 AREA "I" - ELK RUN TRAIL AND PEDESTRIAL BRIDGE AT LITTLE MORRISON CREEK
- C-114 AREA "J" - FISH BARRIER AT THE RCR-16 48" CULVERT
- C-500 DETAILS
- C-501 EROSION AND SEDIMENTATION CONTROL DETAILS
- C-502 EROSION AND SEDIMENTATION CONTROL DETAILS

**PRELIMINARY PLANS
NOT FOR CONSTRUCTION
FOR PLANNING APPROVALS ONLY**

GEOTECHNICAL ENGINEER:

Northwest Colorado Consultants, Inc.
PO Box 775226
Steamboat Springs, CO 80477
(970) 879-7888

SURVEYOR:

Emerald Mountain Surveys, Inc.
PO Box 774812
Steamboat Springs, CO 80477
970-879-8998

WETLAND CONSULTANT:

I.M.E.
PO Box 270
Yampa, CO 80483
(970) 638-4462

OWNER:

Upper Yampa Water Conservancy District
P.O. Box 880339
Steamboat Springs, CO 80488
(970) 879-2424

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Civil Design Consultants, Inc.

Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

PROJECT: Stagecoach Reservoir
Enlargement
CDC PROJ. NO: 1526.004T
OWNER: UYWC
ISSUED: 01/31/08 REF: Final Engr.
REV: 07/15/08 REF: Constr. Dwg.

I:\1526-004 U:\MCD SCRes Rise\Final Design\2008 Construction Dwg\080 21 Base Map.dwg, Overall Site Plan, 3/5/2008 8:29:35 AM, 11 x 17, 12



CONSTRUCTION NOTES:

1. THERE MAY BE ISOLATED AREAS THAT THE EXISTING TRAIL WILL BECOME INUNDATED WHEN THE RESERVOIR IS AT ELEVATION 7204. THOSE TRAIL AREAS WILL BE REBUILT USING THE DETAIL ON SHEET C-500.



1 inch = 600 ft.
2' CONTOUR INTERVAL

(STAGECOACH RESERVOIR SPILLWAY DATUM)

11x17 DRAWINGS HAVE BEEN REDUCED TO HALF SIZE

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

REVISIONS

No.	Item	Date

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT
Designed: CL / DB	OVERALL SITE PLAN
Scale: As Noted	

CONSTRUCTION DRAWING

Civil Design Consultants, Inc.
Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

SHEET NO. C-101 PROJECT NO. 1526.004T

GENERAL NOTES

1. BASE MAP PLANIMETRICS AND TOPOGRAPHY PROVIDED BY PROJECT SURVEYOR.
2. FLOOD HAZARD MAPPING AND WATER BODY SETBACKS PER PROJECT SURVEYOR.
3. WETLAND DELINEATION, MITIGATION AND SECTION 404 PERMITTING PER PROJECT WETLANDS CONSULTANT.
4. THESE DRAWINGS DO NOT INCLUDE PROVISIONS FOR JOBSITE SAFETY. JOBSITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE PER "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
6. FOR WORK WITHIN THE CITY OF STEAMBOAT SPRINGS, CONTRACTOR SHALL PREPARE AND OBTAIN A **CONSTRUCTION SITE MANAGEMENT PLAN** MEETING CITY OF STEAMBOAT SPRINGS' REQUIREMENTS. THE CONTRACTOR MAY SUPPLEMENT THE INFORMATION PROVIDED ON THESE DRAWINGS AND SPECIFICATIONS AS REQUIRED. THE CIVIL ENGINEER SHALL HAVE NO DUTY OR RESPONSIBILITY WITH RESPECT TO PREPARATION OF THIS PLAN.
7. FOR COMMERCIAL, INDUSTRIAL AND MULTI-FAMILY SITES, SITE PLAN AND A.D.A. REQUIREMENTS PER PROJECT ARCHITECT. REFER TO ARCHITECTURAL SITE PLAN FOR BUILDING LOCATION AND STAKING.
8. WHERE REFERENCED, "CDOT STANDARDS" SHALL BE THE LATEST EDITIONS OF:
 - A. CDOT STANDARD PLANS, M&S STANDARDS, AND/OR
 - B. CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

GRADING & DRAINAGE NOTES

1. SOILS BORINGS OR TEST PIT INFORMATION PER INVESTIGATION REPORT BY PROJECT GEOTECHNICAL ENGINEER. SEE SPECIFICATIONS.
2. ALL OVERLOT GRADING SHALL COMPLY WITH APPROPRIATE SECTIONS OF THE CURRENT BUILDING CODE.
3. CONTRACTOR SHALL OBTAIN A **GRADING AND EXCAVATION PERMIT** AS APPLICABLE.
4. PAVEMENT SECTIONS, CUT AND FILL SLOPE, AND RETAINING WALL RECOMMENDATIONS BY PROJECT GEOTECHNICAL ENGINEER, AS LISTED IN REPORT ABOVE. SEE SPECIFICATIONS.
5. CONTRACTOR SHALL OBTAIN A **GENERAL PERMIT FOR DEWATERING ASSOCIATED WITH CONSTRUCTION ACTIVITY**, AS REQUIRED BY THE COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT, WHERE APPROPRIATE.
6. CULVERT LOCATIONS AND INVERTS ARE APPROXIMATE. CONTRACTOR SHALL CONFIRM THAT CULVERTS MATCH FIELD CONDITIONS AND THAT A MINIMUM 12" COVER IS PROVIDED TO DESIGN FINISH GRADE. CONSTRUCT GRADUAL TRANSITION DITCHES IN AND OUT OF CULVERTS AS REQUIRED.
7. IF PROVIDED, REFER TO LANDSCAPE PLAN BY THE PROJECT LANDSCAPE ARCHITECT FOR LANDSCAPING AND FINAL GRADING DETAILS WITHIN LANDSCAPED AREAS.
8. FINISH GRADING SURROUNDING BUILDINGS SHALL BE SLOPED MINIMUM OF 1 INCH PER FOOT AWAY FROM THE FOUNDATION FOR 10 FT. MINIMUM, PER GEOTECHNICAL REPORT RECOMMENDATIONS.
9. REFER TO ARCHITECTURAL REQUIREMENTS FOR ACCESS DRIVE HEATING (IF INDICATED), AND RETAINING WALLS. PAVEMENT HEATING AND RETAINING WALL DESIGN BY OTHERS.
10. RECOMMENDATIONS FOR FOUNDATION DRAINAGE AND FOUNDATION DRAINAGE DESIGN BY OTHERS.

RAW LAND SUBDIVISIONS

11. THESE DRAWINGS WERE PREPARED FOR THE PURPOSE OF CONSTRUCTING A SUBDIVISION AND ARE NOT INTENDED TO BE USED FOR WORK ON INDIVIDUAL LOTS. CONSTRUCTED TOPOGRAPHY MAY VARY FROM THAT SHOWN. THE HORIZONTAL AND VERTICAL LOCATION OF ROADWAYS, WATER AND SEWER LINES AND SERVICES, OTHER UTILITIES AND DRAINAGES SHOULD BE FIELD-VERIFIED PRIOR TO DESIGN OR CONSTRUCTION OF STRUCTURES ON INDIVIDUAL LOTS. VERIFY ALL PROPERTY LINES, EASEMENTS AND BUILDING ENVELOPES.

WATER, SEWER, & DRY UTILITY NOTES

1. ALL CONSTRUCTION AND MATERIALS FOR WATER AND SEWER SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE STANDARDS AND SPECIFICATIONS ISSUED BY THE GOVERNING WATER AND SEWER DISTRICT. THE CONTRACTOR SHALL OBTAIN COPIES OF THESE STANDARDS AND SPECIFICATIONS FROM THE DISTRICT.
2. A **RIGHT-OF-WAY EXCAVATION PERMIT** IS REQUIRED FOR ALL UTILITY CUTS WITHIN ROAD RIGHTS-OF-WAY. TRAFFIC CONTROL PLANS MEETING M.U.T.C.D. REQUIREMENTS ARE REQUIRED PRIOR TO ANY WORK IN ROAD RIGHTS-OF-WAY. NO WORK SHALL OCCUR IN THE R.O.W. BETWEEN NOVEMBER 1 - APRIL 1 UNLESS A WRITTEN VARIANCE HAS BEEN APPROVED AND ISSUED BY THE CITY PUBLIC WORKS DIRECTOR.
3. TEST HOLES ARE REQUIRED TO VERIFY LOCATION AND ELEVATION OF EXISTING INFRASTRUCTURE AT POINTS OF CONNECTION PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL OBTAIN A **MINIMAL INDUSTRIAL DISCHARGE PERMIT**, AS REQUIRED BY THE COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT, FOR THE DISPOSAL OF CHLORINATED WATER FROM TESTING AND FLUSHING ACTIVITIES.
5. EXISTING DRY UTILITY LOCATIONS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING DRY UTILITIES PRIOR TO BEGINNING ANY EXCAVATION. RELOCATION OF SOME EXISTING DRY UTILITIES MAY BE NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING DRY UTILITIES CAUSED BY HIS OPERATIONS.
6. COMPLETE SUBGRADE CONSTRUCTION PRIOR TO WATER, SEWER, AND DRY UTILITY INSTALLATION.
7. MANHOLE AND VAULT RIM ELEVATIONS ARE APPROXIMATE AND REPRESENT APPROXIMATE FINISH ELEVATIONS. CONTRACTOR IS RESPONSIBLE FOR ORDERING AND INSTALLING COMPONENTS SUCH THAT THE SPECIFICATIONS OF THE GOVERNING WATER AND SEWER DISTRICT ARE MET, INCLUDING ADJUSTMENTS FROM INDICATED ELEVATIONS, IF REQUIRED.
8. WATER AND SEWER SERVICE SIZES TO BE AS NOTED ON THE DRAWINGS. FOR INDUSTRIAL, COMMERCIAL OR MULTI-FAMILY SITES, VERIFY BUILDING WATER AND SEWER SERVICE SIZES AND ENTRY LOCATIONS WITH PROJECT ARCHITECT AND/OR MECHANICAL ENGINEER PRIOR TO SEWER AND WATER CONSTRUCTION.
9. MAINTAIN 12 FT. CLEAR DISTANCE BETWEEN FIRE HYDRANTS AND CURB BOXES, SEWER CLEANOUTS AND ALL ABOVE GROUND DRY UTILITY FACILITIES.
10. EASEMENTS OF VARIOUS TYPES ARE TO BE DEDICATED AS SHOWN ON THE PLAT OR DRAWINGS. ANY REVEGETATION WITHIN DRAINAGE AND UTILITY EASEMENTS SHALL BE OF A LOW GROWTH NATURE. MAINTAIN 10 FT. MINIMUM SEPARATION FROM WATER AND SEWER MAINS AND APPURTENANCES TO TREES, BOULDERS, ETC.
11. PROPOSED ELECTRIC, TELEPHONE, CABLE TV, AND GAS LINE LOCATIONS AND ABOVE GROUND FACILITIES SHOWN ARE PRELIMINARY AND MAY VARY WHEN DESIGN IS COMPLETED BY THE UTILITY COMPANIES. MAINTAIN 5' MINIMUM SEPARATION BETWEEN DRY UTILITIES AND PARALLEL WATER/SEWER MAINS.
12. CONDUITS FOR DRY UTILITY CROSSINGS SHALL BE 4" SCHED. 40, GRAY, ELECTRICAL PVC. CAP ENDS AND PROVIDE 4x4 TREATED TIMBER MARKING POSTS EACH END.
13. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DRY UTILITY INSTALLATION WITH THE RESPECTIVE DRY UTILITY COMPANIES.
14. PROVIDE MINIMUM 48 HRS. NOTICE TO AFFECTED HOMEOWNERS AND UTILITY DISTRICTS PRIOR TO SCHEDULED UTILITY DISRUPTIONS.

EROSION & SEDIMENT CONTROL NOTES

1. THE REQUIRED MINIMUM PERMANENT STORMWATER MANAGEMENT PRACTICES ARE SHOWN AND NOTED ON THE DRAWINGS. SOME TEMPORARY MEASURES MAY ALSO BE SHOWN. THE CONTRACTOR SHALL MODIFY AND SUPPLEMENT PRACTICES SHOWN AS NECESSARY TO SATISFY STORMWATER PLAN AND PERMITTING REQUIREMENTS. COMPLY WITH THE BOOKLET "EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION", ROUTT COUNTY, COLORADO.
2. FOR WORK OUTSIDE OF THE CITY OF STEAMBOAT SPRINGS, CONTRACTOR SHALL OBTAIN A **STORM WATER MANAGEMENT PERMIT** AS REQUIRED BY ROUTT COUNTY. THE CONTRACTOR MAY SUPPLEMENT THE INFORMATION PROVIDED ON THESE DRAWINGS AND SPECIFICATIONS AS NECESSARY FOR PREPARATION OF A STORMWATER MANAGEMENT PLAN TO OBTAIN SUCH PERMIT. THE CIVIL ENGINEER SHALL HAVE NO DUTY OR RESPONSIBILITY WITH RESPECT TO PREPARATION OF THIS PLAN.
3. CONTRACTOR SHALL OBTAIN A **STORMWATER DISCHARGE CONSTRUCTION GENERAL PERMIT**, AS REQUIRED BY THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT. THE CONTRACTOR MAY SUPPLEMENT THE INFORMATION PROVIDED ON THESE DRAWINGS AND SPECIFICATIONS AS NECESSARY FOR PREPARATION OF A STORMWATER MANAGEMENT PLAN TO OBTAIN SUCH PERMIT. THE CIVIL ENGINEER SHALL HAVE NO DUTY OR RESPONSIBILITY WITH RESPECT TO PREPARATION OF THIS PLAN.
4. ALL DRAINAGE SWALES SHALL BE GRASS-LINED EXCEPT: RIPRAP OR GEOTEXTILE CHANNEL LINING SHALL BE PROVIDED WHERE INDICATED.
5. ALL DISTURBED AREAS NOT RECEIVING FINISH GRADE OR LANDSCAPE TREATMENT SHALL RECEIVE TOPSOIL REPLACEMENT AND NATIVE GRASS REVEGETATION AS A MINIMUM, EXCEPT FOR ROCK SURFACES, UNLESS NOTED OTHERWISE. REVEGETATION SHALL OCCUR AS SOON AS FEASIBLE.
6. IF INDICATED, ALL CULVERT INLETS AND OUTLETS SHALL HAVE FLARED END SECTIONS OR HEADWALLS, AND RIPRAP PADS. RIPRAP FOR PADS IS NOT SHOWN ON PLANS UNLESS MORE AREA IS REQUIRED THAN INDICATED ON TYPICAL DETAIL.
7. CONTRACTOR SHALL MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ESTABLISHMENT OF REVEGETATION TO THE SATISFACTION OF THE AGENCY HAVING JURISDICTION AND SHALL REMOVE ALL TEMPORARY CONTROL MEASURES WHICH HAVE OUTLIVED THEIR USEFULNESS AT FINAL ACCEPTANCE.
8. CONTRACTOR SHALL APPLY FOR AND OBTAIN A **FUGITIVE DUST PERMIT**, AS REQUIRED BY THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT.
9. ALL CONTROLS SHALL BE INSTALLED AS EARLY AS PRACTICAL. DOWNSTREAM PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO STRIPPING AND STOCKPILING. ALL CONTROLS SHALL BE MONITORED REGULARLY, MODIFIED TO MAINTAIN EFFECTIVENESS, AND CLEANED PRIOR TO THE ONSET OF WINTER, NO LATER THAN OCTOBER 31ST OF ANY YEAR.
10. IN A PHASED CONSTRUCTION PROJECT, THE ABOVE MEASURES AND PROCEDURES SHALL BE IMPLEMENTED AND COMPLETED AS EACH PHASE PROGRESSES, BEFORE PROCEEDING ON TO THE NEXT PHASE.

STAKING NOTES

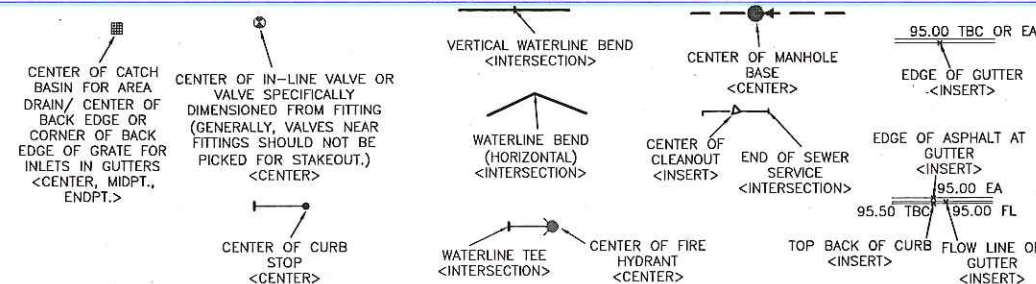
1. STAKING OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS INDICATED OTHERWISE. THE ENGINEER WILL PROVIDE AN ELECTRONIC (CADD) FILE OF RELEVANT PORTIONS OF THE CIVIL WORK IN ADDITION TO THE HARDCOPY DOCUMENTS. SUCH CADD FILES MAY NOT SHOW ALL ITEMS REQUIRED TO BE STAKED.
2. IN THE EVENT OF A CONFLICT BETWEEN THE ELECTRONIC (CADD) FILE AND THE CONTRACT DRAWINGS AND SPECIFICATIONS, THE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL GOVERN. THE AVAILABILITY AND USE OF CADD FILES SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PROPER CHECKING AND COORDINATION OF DIMENSIONS, LINES, GRADES AND QUANTITIES OF MATERIALS AS REQUIRED FOR COMPLETE AND ACCURATE COMPLETION OF THE WORK.
3. DO NOT STAKE USING CONTOUR LINES. GRADES SHOULD BE DETERMINED FROM SPOT ELEVATIONS AND NOTED ELEVATIONS ON CONSTRUCTION DRAWINGS AND DETAILS.
4. FOR STAKING OF CATCH BASINS AND INLETS, CONTRACTOR AND/OR SURVEYOR IS RESPONSIBLE FOR DETERMINING STRUCTURE LOCATION AND PIPE ALIGNMENT FROM INFORMATION PROVIDED.

LEGEND

EXISTING	PROPOSED	
		WATER (SIZE & TYPE AS NOTED)
		VALVE, REDUCER
		AIR RELEASE VALVE IN MANHOLE
		WATER SERVICE W/CURB STOP
		FIRE HYDRANT & GATE VALVE
		BLOWOFF HYDRANT
		SEWER (SIZE & TYPE AS NOTED)
		SEWER MANHOLE
		SEWER SERVICE, CLEANOUT
		PRESSURE SEWER SERVICE W/CURB STOP & CHECK VALVE
		ELECTRIC LINE
		FIBER OPTICS LINE
		TELEPHONE LINE
		GAS LINE
		CABLE TV LINE
		ELEC, TEL, TV PED GROUPING
		ELEC TRANSFORMER OR SWITCH GEAR
		ELEC CUBICLE
		TEL PED
		CATV PED
		DRY UTILITY CONDUIT (NUMBER)
		POWER POLE
		LIGHT POLE
		GUY WIRE
		PUBLIC LANDS SURVEY LINE
		PROPERTY LINE
		EASEMENT LINE
		B'LDG. ENVELOPE/SETBACK LINE
		ADJACENT PROPERTY OWNER
		CONTOUR
		SPOT ELEVATION
		TOP BACK OF CURB ELEVATION
		FLOW LINE ELEVATION
		EDGE OF ASPHALT ELEVATION
		FINISH FLOOR ELEVATION
		ROCK OUTCROP
		WETLAND
		TREE/VEGETATION LINE
		FENCE
		TOP OF CUTS
		TOE OF FILLS
		SITE GRADING SLOPE
		PAVEMENT/CONCRETE SLOPE
		STORM DRAIN (SIZE & TYPE NOTED)
		CULVERT; FLARED END SECT./HEADWLL
		SUBDRAIN
		DRAINAGE SWALE/ IRRIG. DITCH
		STORM DRAIN CATCH BASIN/INLET
		STORM DRAIN CLEANOUT/MANHOLE
		RIPPRAP
		ROCK CHECK DAM
		JUTE NETTING/EROSION CONTROL BLANKET
		TEMPORARY DIVERSION DIKE
		EROSION LOG
		SILT FENCE
		SIGNS
		BENCH MARK
		TEST PIT
		TRAIL OR SIDEWALK
		GUARDRAIL (METAL)
		GUTTER/CURB AND GUTTER
		EDGE OF PAVEMENT/SHOULDER

SURVEY STAKEOUT PICK POINTS IN CADD FILES

<INDICATES SNAP MODE>



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

REVISIONS

No.	Item	Date

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08

Drawn: LB

Designed: BF

Scale: As Noted

UPPER YAMPA WATER
CONSERVANCY DISTRICT

STAGECOACH RESERVOIR ENLARGEMENT

GENERAL NOTES & LEGENDS

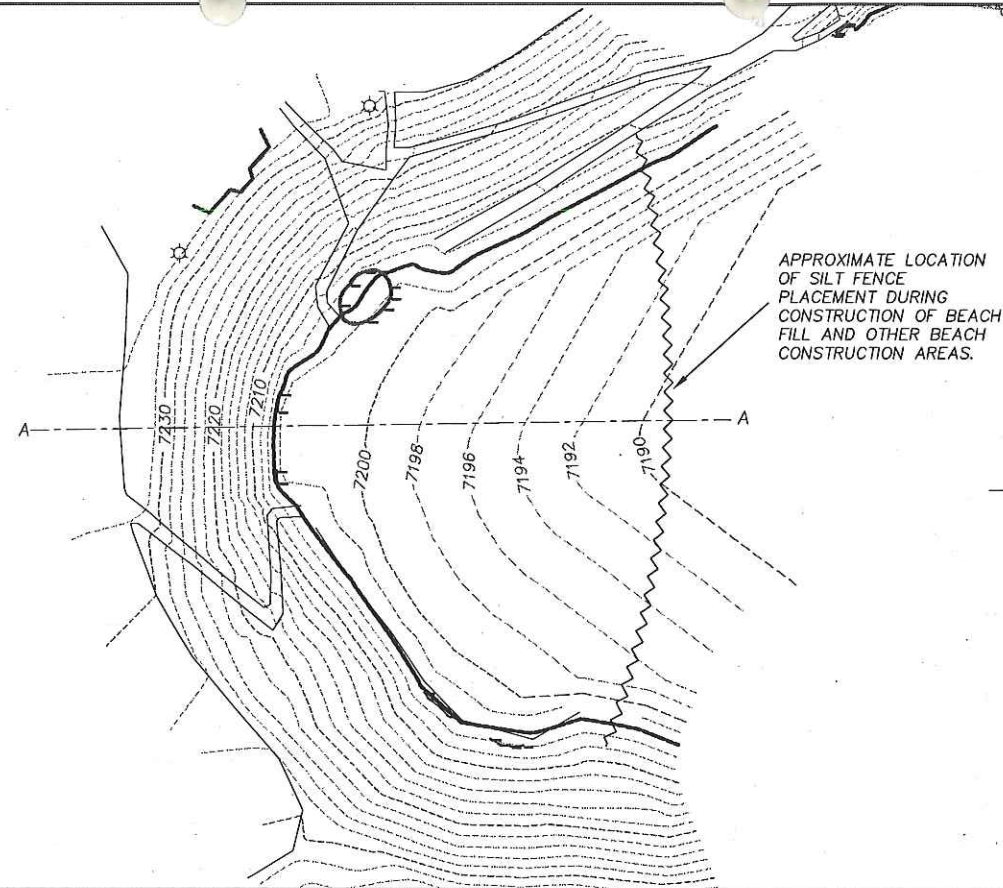
CONSTRUCTION DRAWING

Civil Design Consultants, Inc.

Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

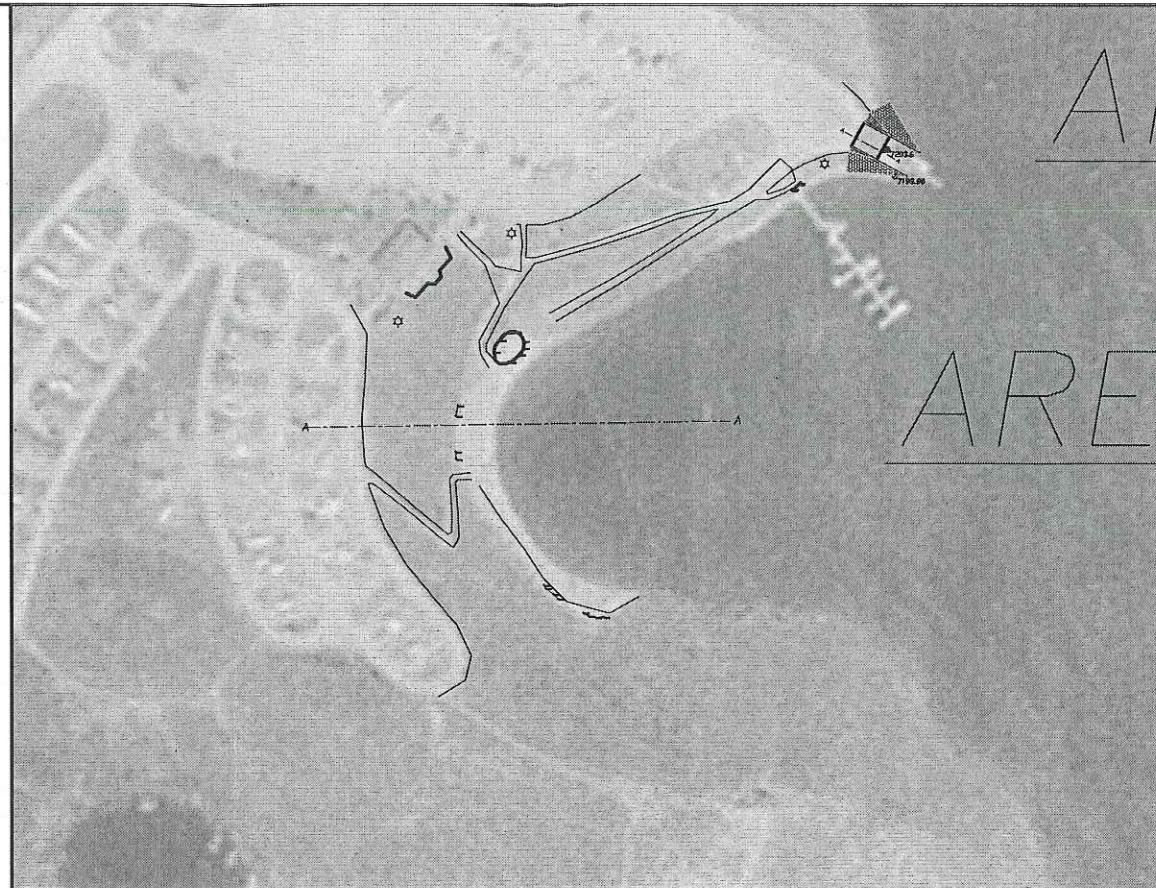
SHEET NO. C-001

PROJECT NO. 1526.004T



PLAN VIEW

SCALE: 1" = 60'

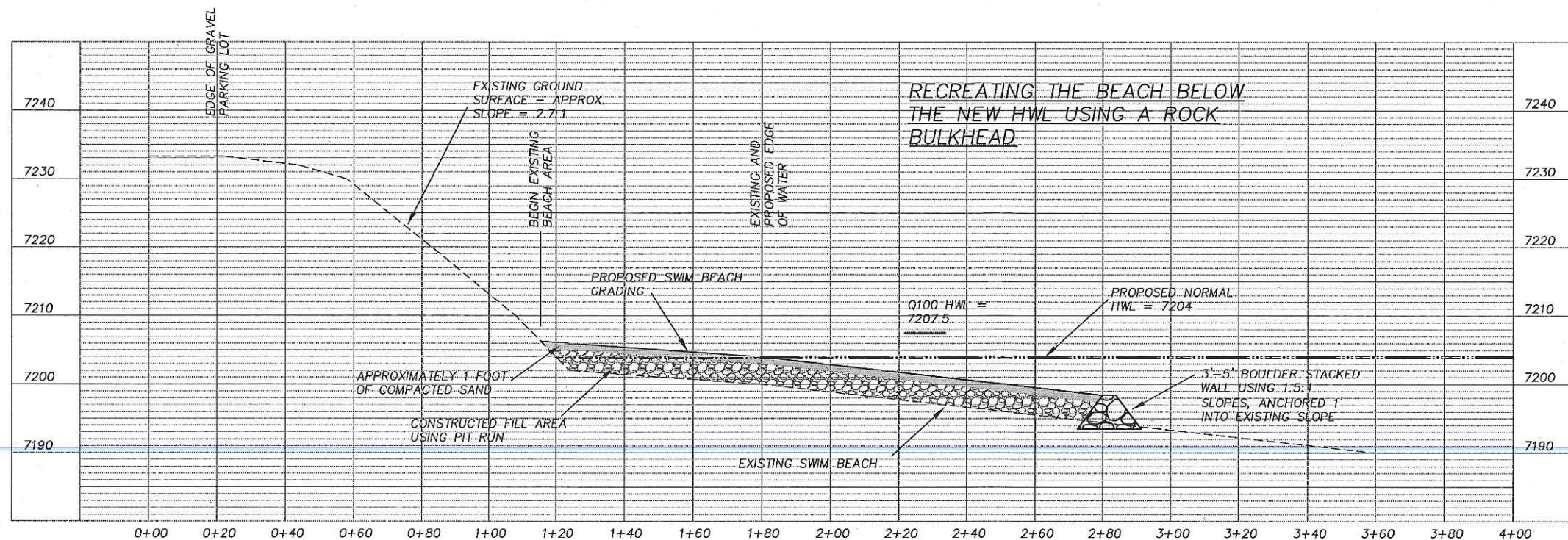


GENERAL AREA MAP

SCALE: 1" = 100'

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOT DISTURB EXISTING VEGETATION UNLESS ABSOLUTELY NECESSARY FOR CONSTRUCTION. PROPOSED DISTURBANCE AREAS MUST BE CLEARED WITH PARK RANGER PRIOR TO DISTURBANCE.
2. CONTRACTOR SHALL NOT DISTURB AREA OR BEGIN MOVING INTO WORK AREAS UNTIL AFTER LABOR DAY.
3. CONSTRUCTION ACCESS INTO THE WORK AREA SHALL BE ALONG THE EXISTING TRAIL FROM THE BOAT RAMP AREA.
4. BEACH FILL MATERIAL SHALL BE FROM A DESIGNATED BORROW PIT NEARBY AND COMPACTED TO 95% OF ASTM 698 WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
5. BEACH SAND SHALL BE OBTAINED FROM A DESIGNATED BORROW PITS IN THE AREA. GRADATION OF THE SAND SHALL PASS A NO. 4 SCREEN AND SHALL HAVE NO FINES SMALLER THAN A NO. 100 SCREEN. REDMOND PIT FINES SHALL NOT BE ALLOWED.
6. THE BEACH SAND SHALL BE VIBRATORY ROLLER COMPACTED TO 95% OF ASTM 698 AT OR OVER OPTIMUM MOISTURE CONTENT.
7. BEACH SAND SHALL BE THE LIGHTEST COLOR AVAILABLE IN THE AREA.
8. SEE SHEETS C-103 THROUGH C-105 FOR ADDITIONAL DETAILS REGARDING THE PATIO, VOLLEYBALL, AND PICNIC AREAS.



BEACH SECTION A-A

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



(IN FEET)
1 inch = 60 ft.
2' CONTOUR INTERVAL
(STAGECOACH RESERVOIR SPILLWAY DATUM)
11x17 DRAWINGS HAVE BEEN REDUCED TO HALF SIZE

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

REVISIONS

No.	Item	Date

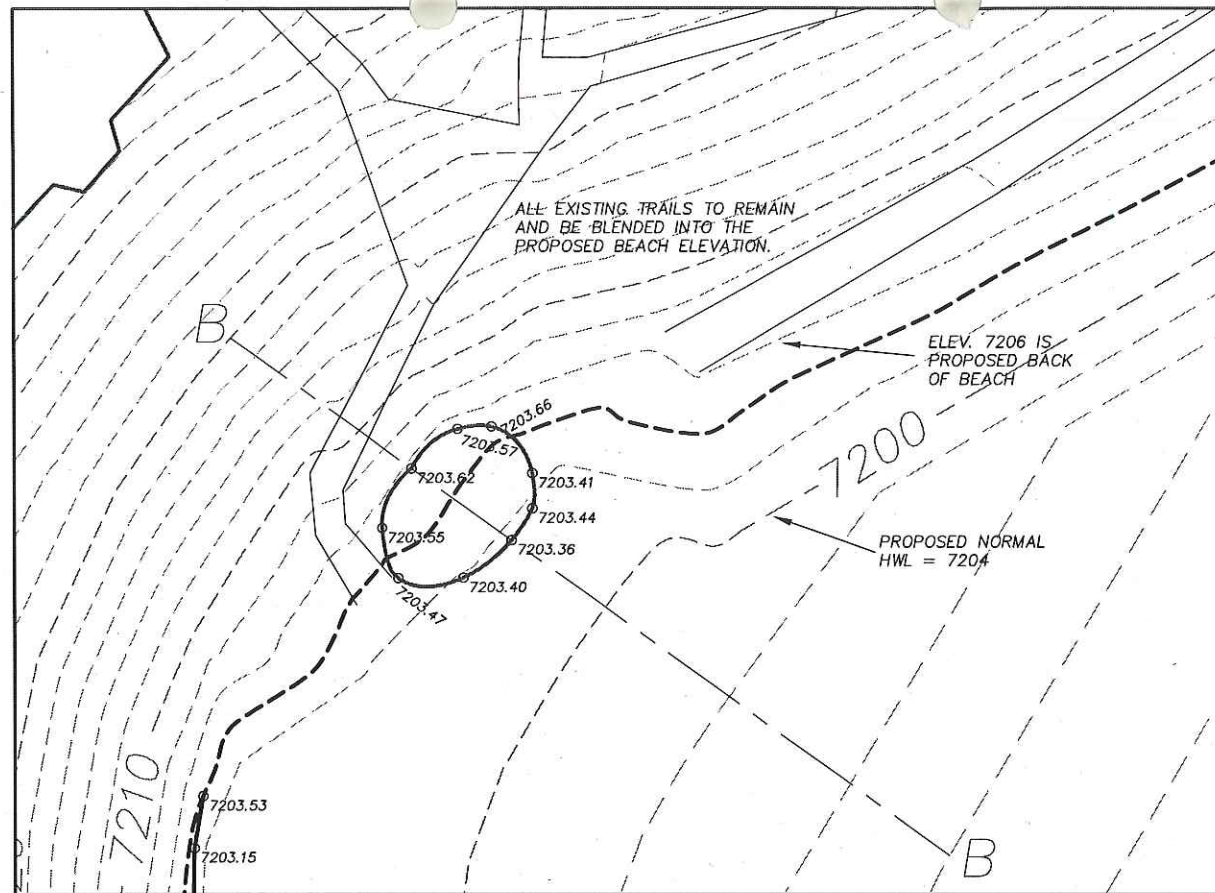
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08	UPPER YAMPA WATER
Drawn: CL / LB	CONSERVANCY DISTRICT
Designed: CL / DB	STAGECOACH RESERVOIR ENLARGEMENT
Scale: As Noted	AREA "A" - SWIM BEACH

Civil Design Consultants, Inc.
Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

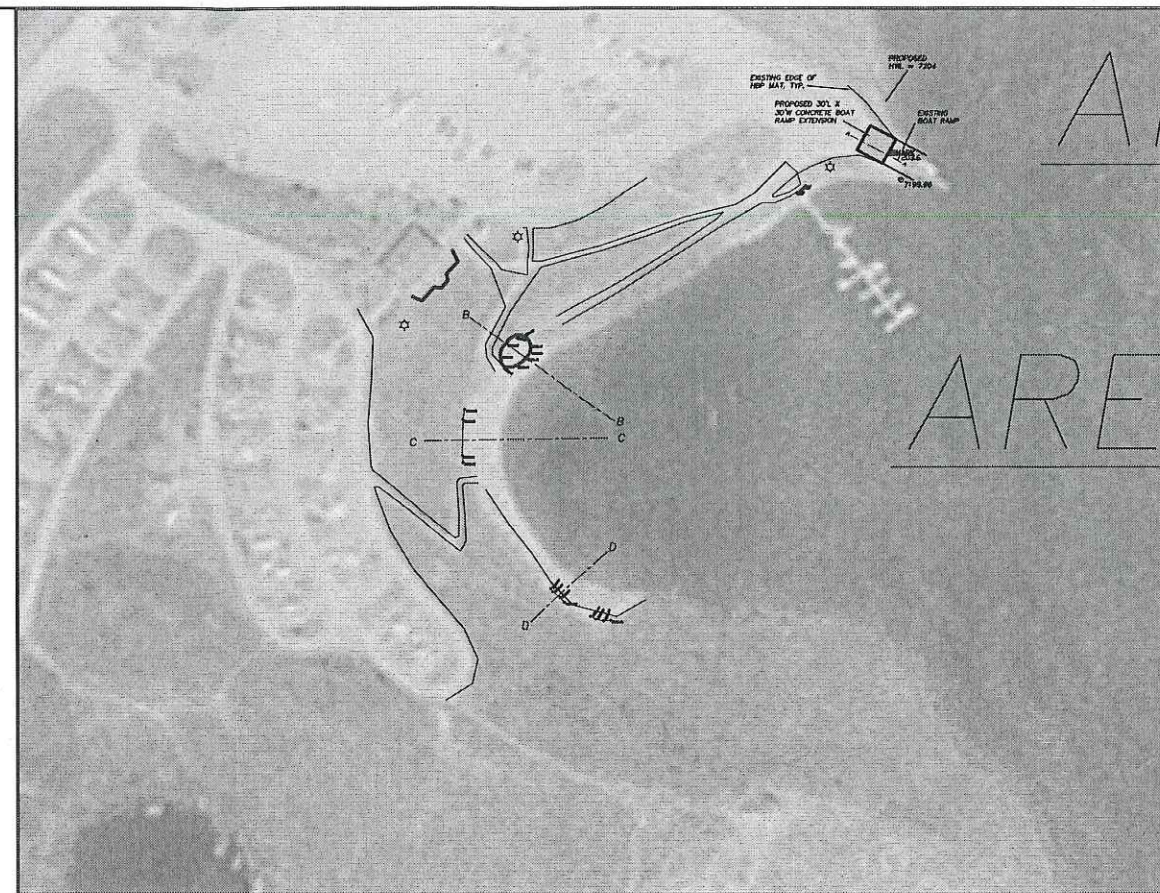
SHEET NO. C-102 PROJECT NO. 1526.004T

I:\1526-004 U:\MCD SCR Res Rise\Final Design\2008 Construction Dwg\080 31 Beach Details.dwg, Patio Area, 3/5/2008 8:43:3 AM, 11 x 17, 1:2



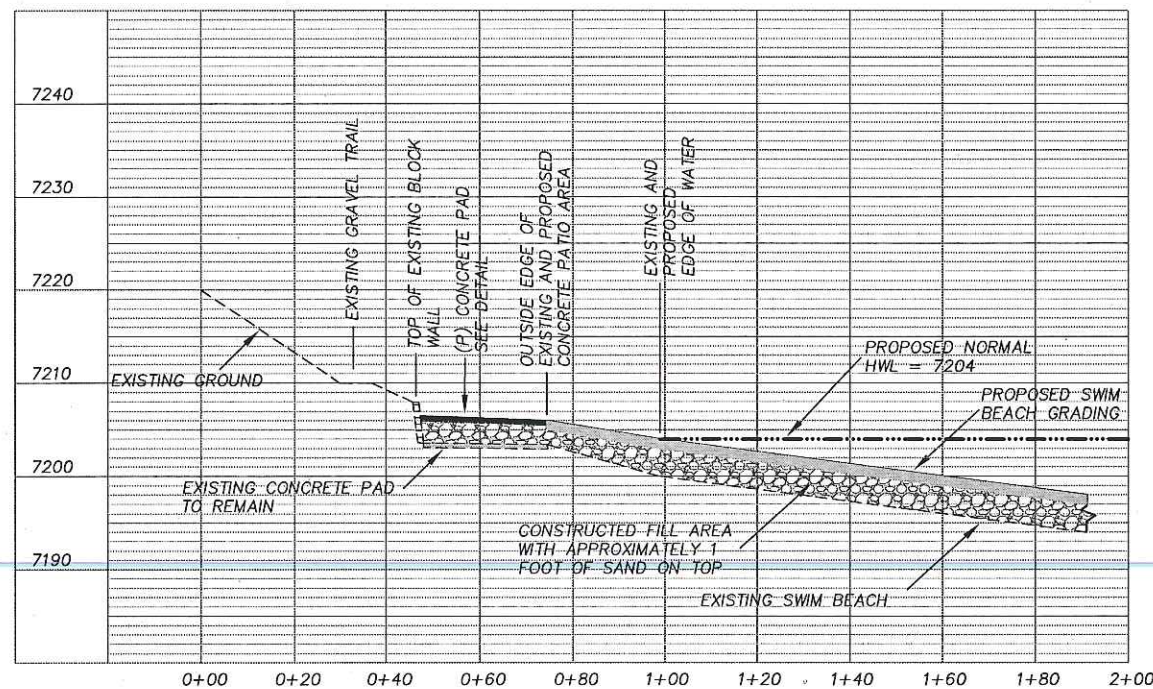
PLAN VIEW

SCALE: 1" = 20'



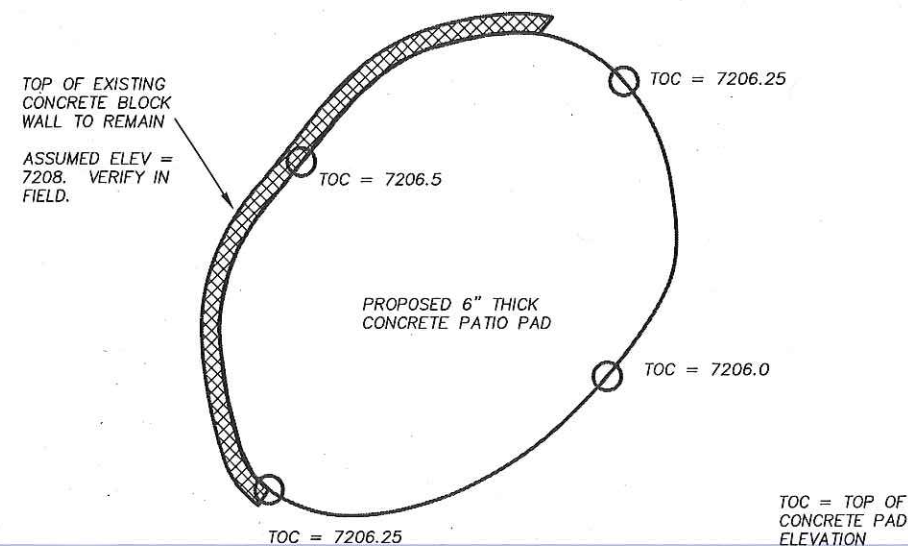
GENERAL AREA MAP

SCALE: 1" = 100'

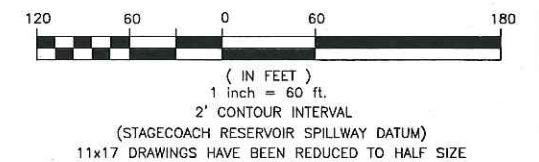


BEACH SECTION B-B

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



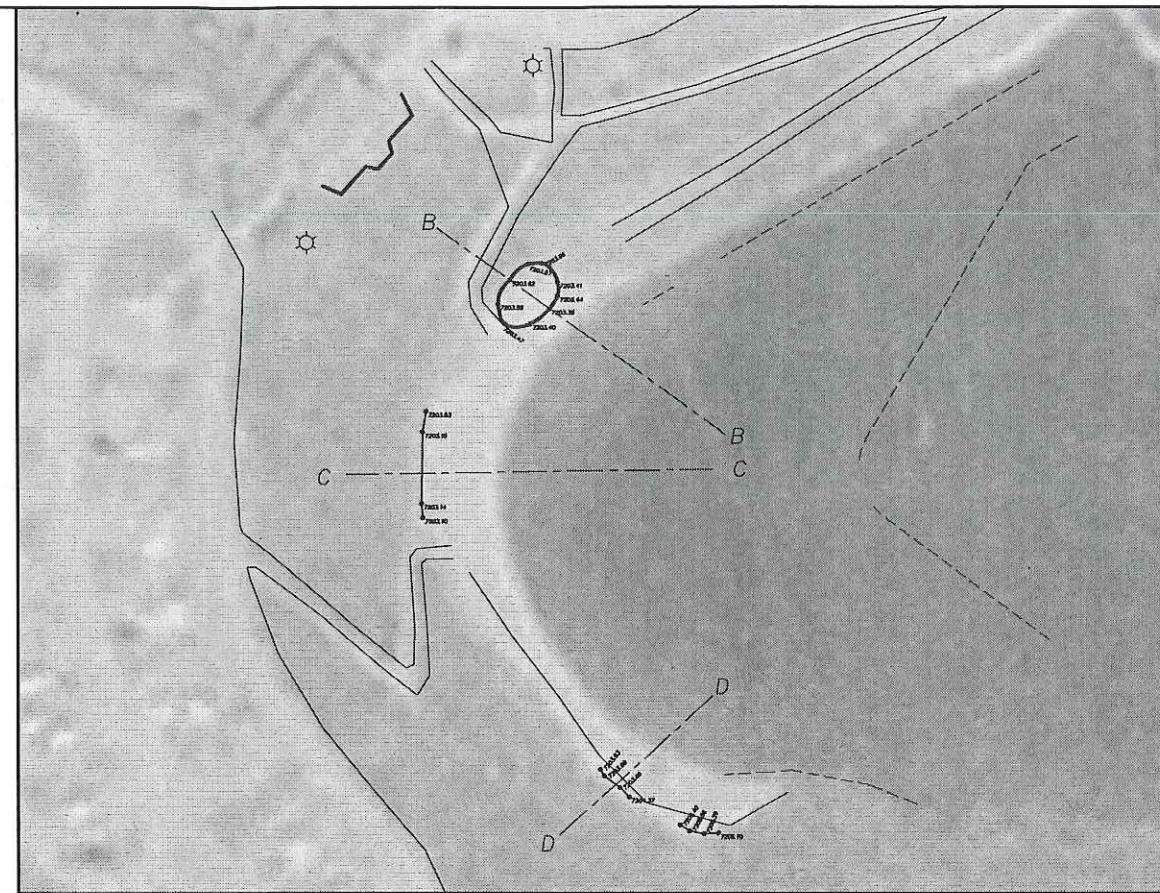
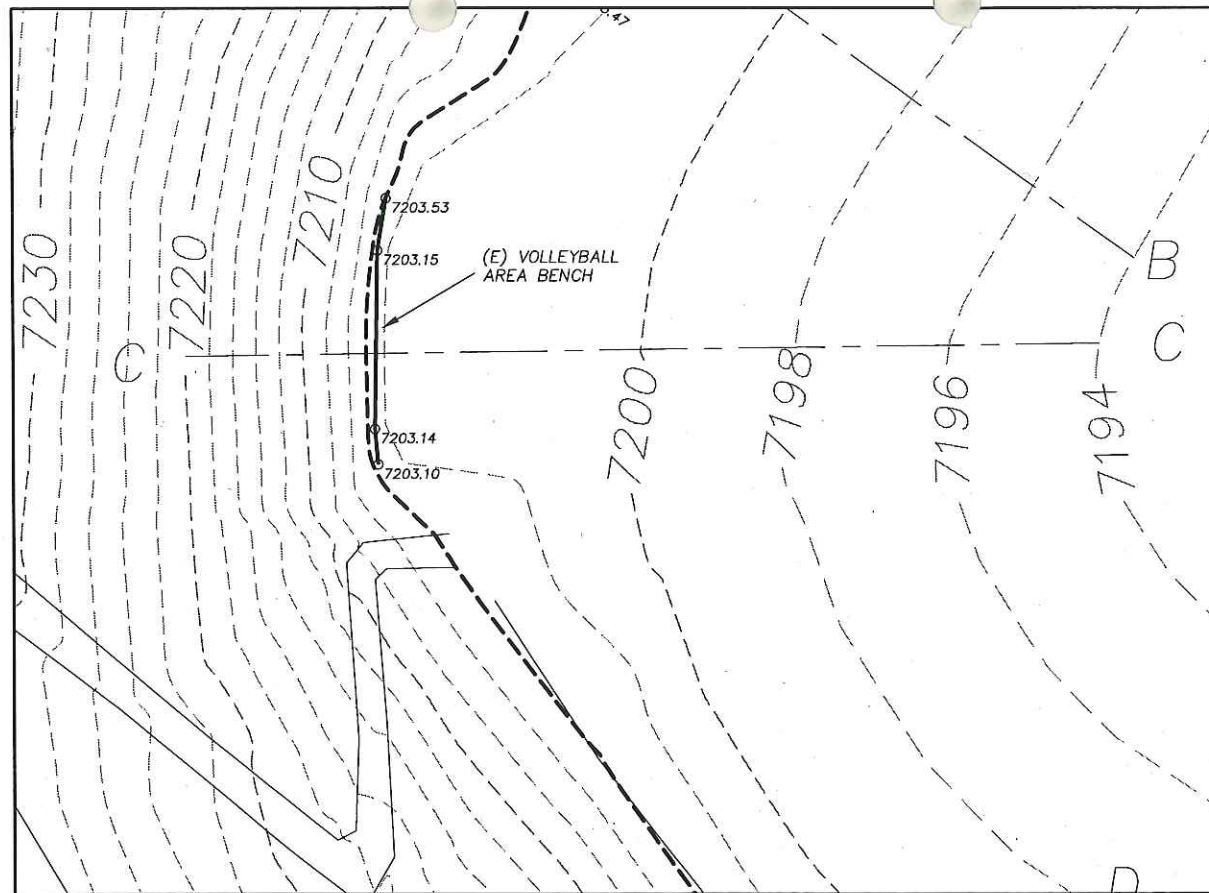
SPOT ELEVATIONS FOR PROPOSED CONCRETE PATIO PAD



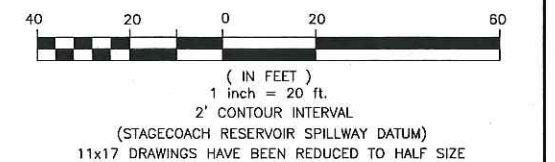
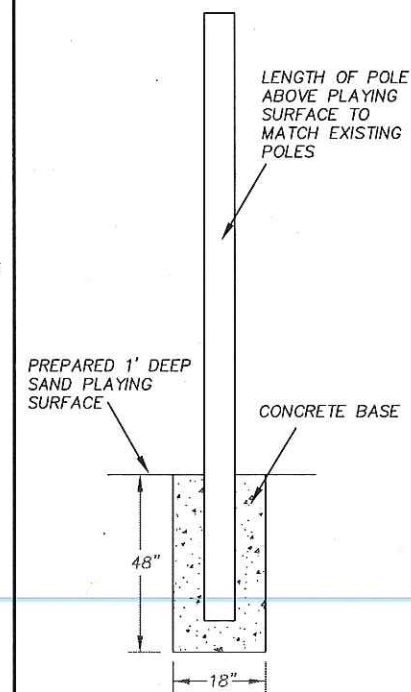
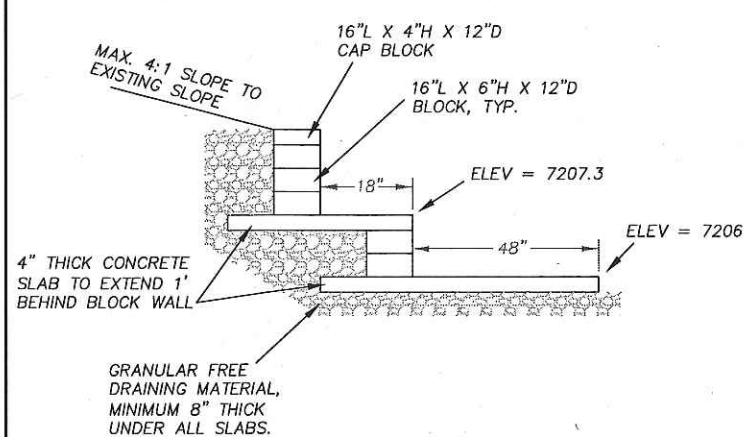
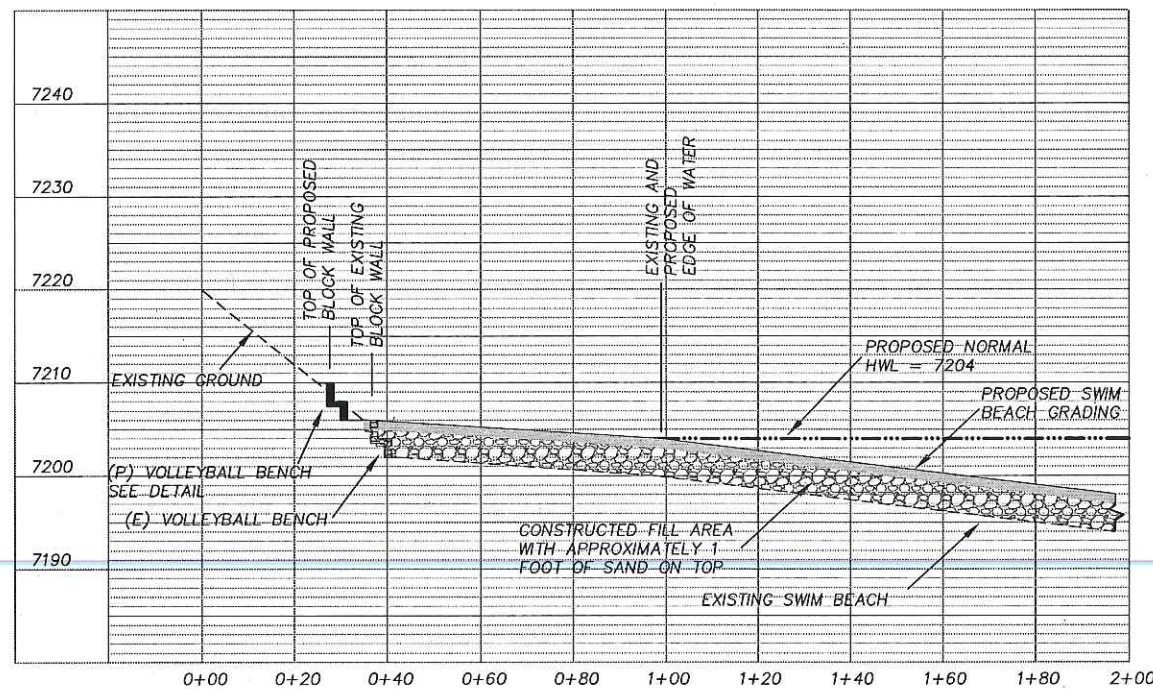
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

REVISIONS		
No.	Item	Date
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008		
Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT	
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT	
Designed: CL / DB	AREA "A" – SWIM BEACH PATIO AREA	
Scale: As Noted	CONSTRUCTION DRAWING	
Civil Design Consultants, Inc. Engineers and Planners First Financial Center, 2145 Resort Drive, Suite 100 Steamboat Springs, CO 80487 Tel (970) 879-3022 • Fax (970) 879-3028		
SHEET NO. C-103		PROJECT NO. 1526.004T

I:\1526-004 Un WCD SCRes Rise\Final Design\2008 Construction Dwg\080 31 Beach Details.dwg, Volleyball Area, 5/5/2008 B:\s\5 AM, 11 x 17, 12

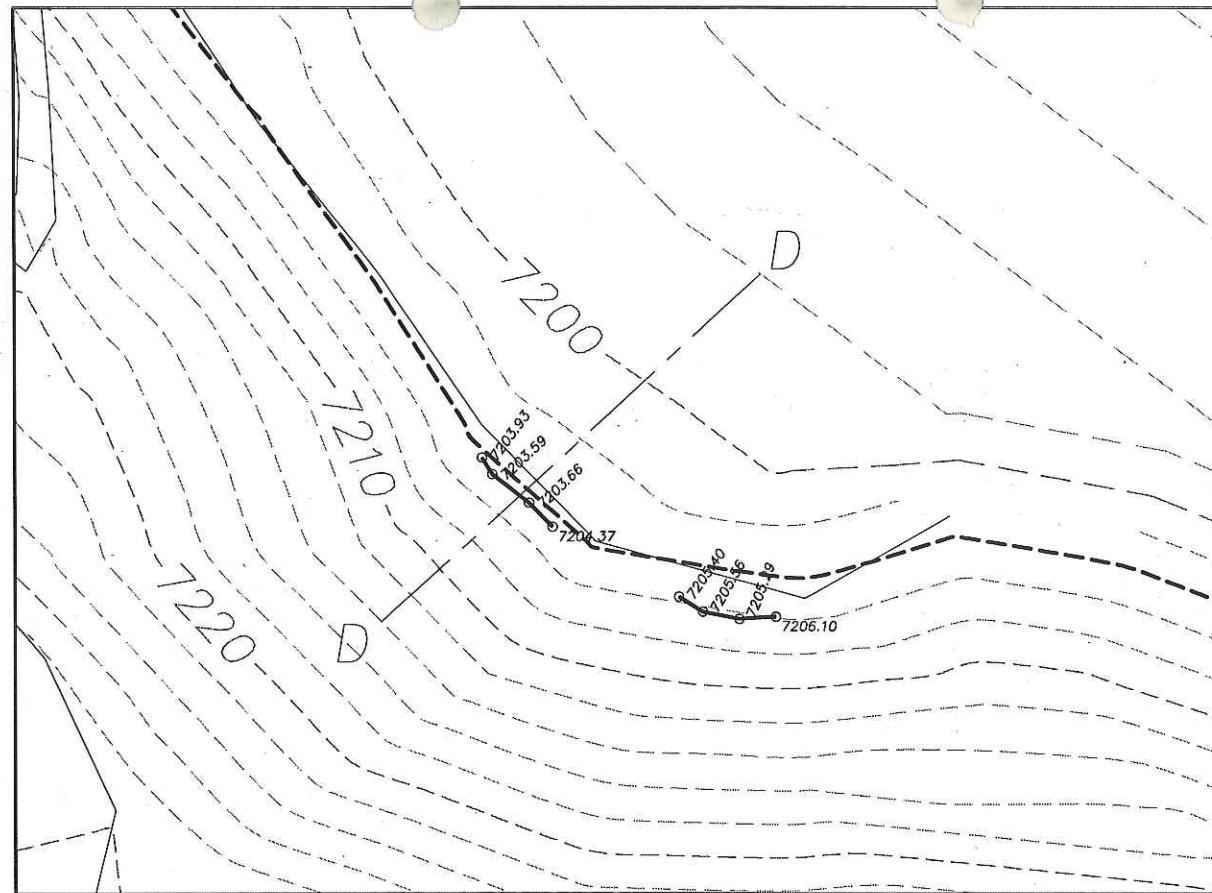


- CONSTRUCTION NOTES:**
1. CONTRACTOR SHALL REMOVE EXISTING BLOCK WALL AND RE-INSTALL IN PROPOSED LOCATION PER VOLLEYBALL BENCH DETAIL.
 2. CONSTRUCTION ACCESS INTO THE THE WORK AREA SHALL BE ALONG THE EXISTING TRAIL FROM THE BOAT RAMP AREA.
 3. THE EXISTING BOLLEYBALL POSTS IN THE AREA SHALL BE REMOVED AND REPLACED IN THEIR ORIGINAL HORIZONTAL POSITIONS. CONTRACTOR TO PROVIDE NEW GREEN TREAT POSTS OF THE SAME DIMENSIONS AND EACH POST DRILLED FOR VOLLEYBALL NETS AS THE ORIGINALS
 4. SEE NOTE 4, SHEET C-102 FOR BEACH FILL MATERIAL FROM BORROW AREA NOTE.
 5. SEE NOTES 5 THROUGH 7, SHEET C-102 FOR SAND REQUIREMENTS.
 6. CONTRACTOR AND ENGINEER SHALL ADJUST HEIGHT OF BENCH SEAT ABOVE CONCRETE SLAB ACCORDING TO ACTUAL BLOCK HEIGHT. DO NOT EXCEED 16" FROM TOP OF BASE SLAB TO TOP OF SEAT SLAB.
 7. CONCRETE SLABS SHALL BE MINIMUM 4,000 PSI CONCRETE MIX WITH A SMOOTH SURFACE.



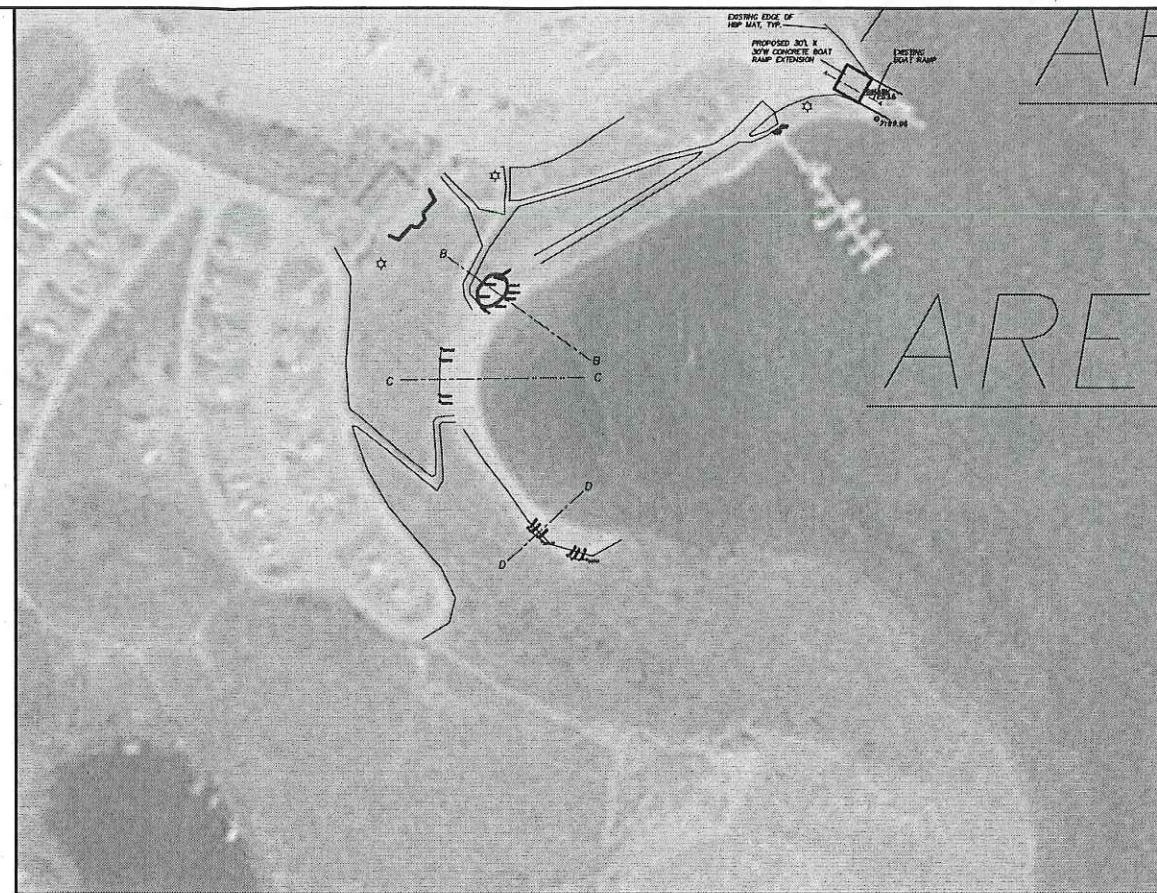
REVISIONS		
No.	Item	Date
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008		
Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT	
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT	
Designed: CL / DB	AREA "A" - SWIM BEACH VOLLEYBALL AREA	
Scale: As Noted	CONSTRUCTION DRAWING	
Civil Design Consultants, Inc. Engineers and Planners First Financial Center, 2145 Resort Drive, Suite 100 Steamboat Springs, CO 80487 Tel (970) 879-3022 • Fax (970) 879-3028		
SHEET NO. C-104		PROJECT NO. 1526.004T

I:\1526-004 U:\MCD SCRes Rise\Final Design\2008 Construction Dwg\080_31 Beach Details.dwg: Picnic Area, 3/5/2008 8:48: 5 AM, 11 x 17, 1:2



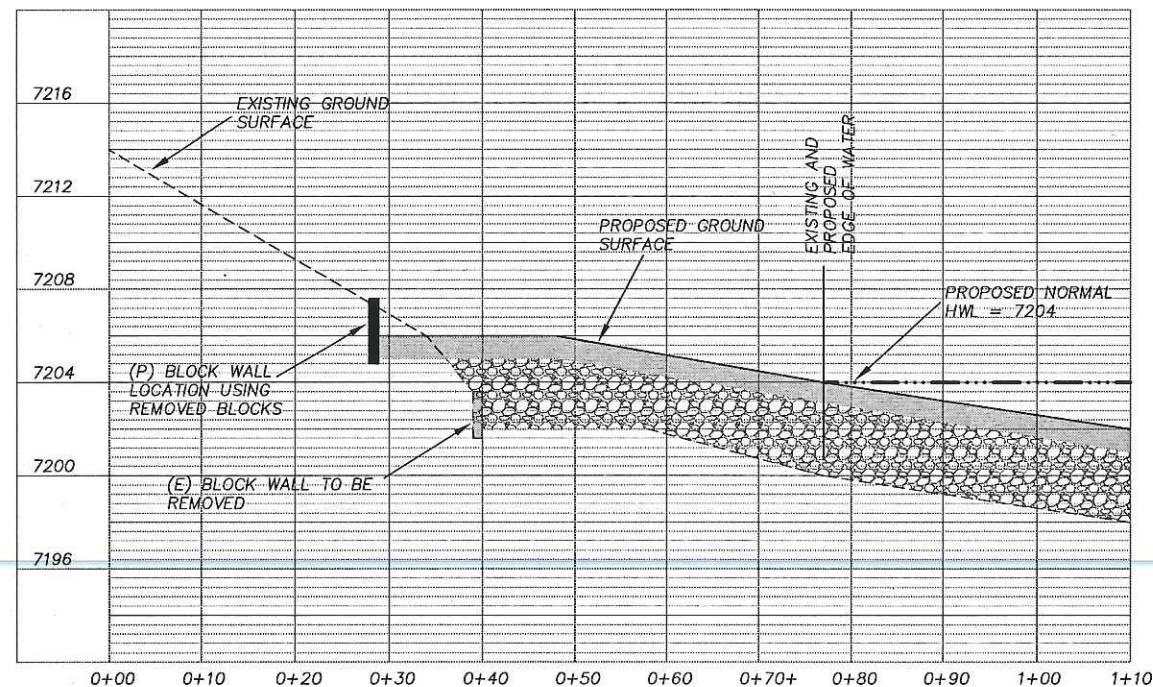
PLAN VIEW

SCALE: 1" = 20'



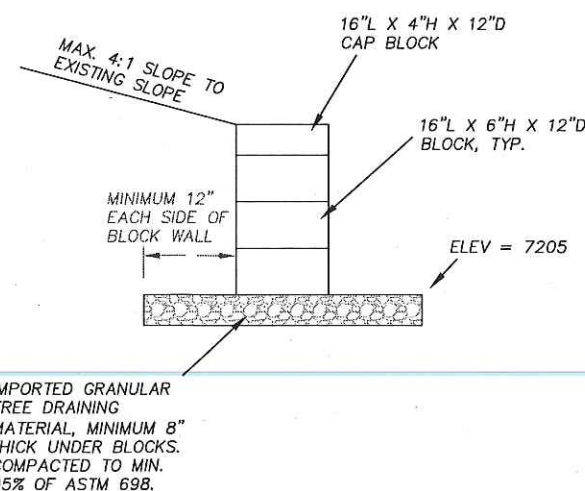
GENERAL AREA MAP

SCALE: 1" = 50'



PROFILE SECTION D-D

SCALE: 1" = 20' HORIZ.
1" = 4' VERT.



BLOCK WALL DETAIL
N.T.S.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING BLOCK WALL AND RE-INSTALL IN PROPOSED LOCATION PER BLOCK WALL DETAIL.
2. CONSTRUCTION ACCESS INTO THE WORK AREA SHALL BE ALONG THE EXISTING TRAIL FROM THE BOAT RAMP AREA.
3. SEE NOTE 4, SHEET C-102 FOR BEACH FILL MATERIAL FROM BORROW AREA NOTE.
4. SEE NOTES 5 THROUGH 7, SHEET C-102 FOR SAND REQUIREMENTS.
5. CONTRACTOR AND ENGINEER SHALL ADJUST LOCATION AND HEIGHT OF BLOCK WALL TO FIT EXISTING TOPOGRAPHY.
6. CONTRACTOR WILL ENCOUNTER TWO PICNIC AREA LOCATIONS ONE WITH A SINGLE PICNIC TABLE AND ONE WITH A DOUBLE PICNIC TABLE. EACH AREA SHALL BE RAISED AND MOVED BACK TO PROVIDE THE SAME SPATIAL RELATIONSHIP AS THE EXISTING AREAS.
7. CONTRACTOR SHALL SAFEGUARD ALL PICNIC TABLES IN THE CONSTRUCTION AREA AND REPLACE THEM IN THE CONSTRUCTED LOCATIONS.



(IN FEET)
1 inch = 20 ft.
2' CONTOUR INTERVAL
(STAGECOACH RESERVOIR SPILLWAY DATUM)
11x17 DRAWINGS HAVE BEEN REDUCED TO HALF SIZE

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

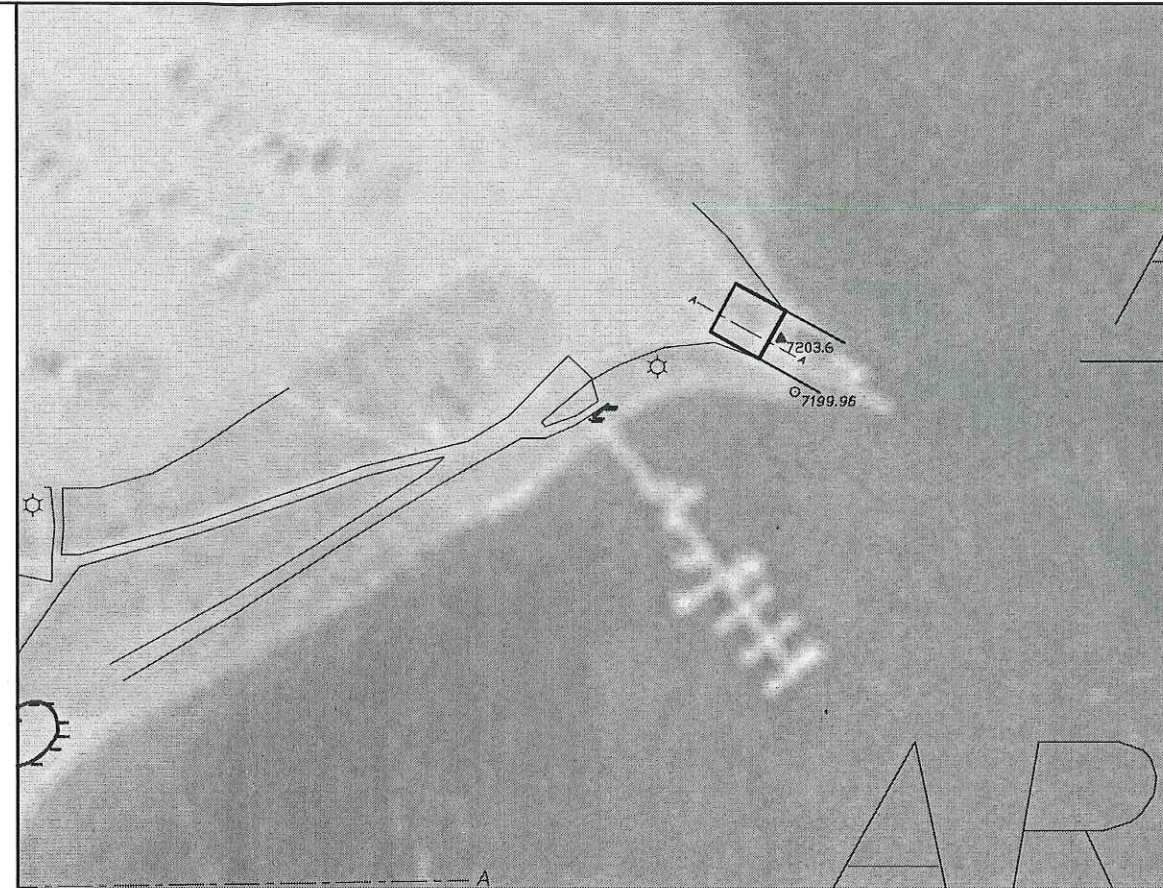
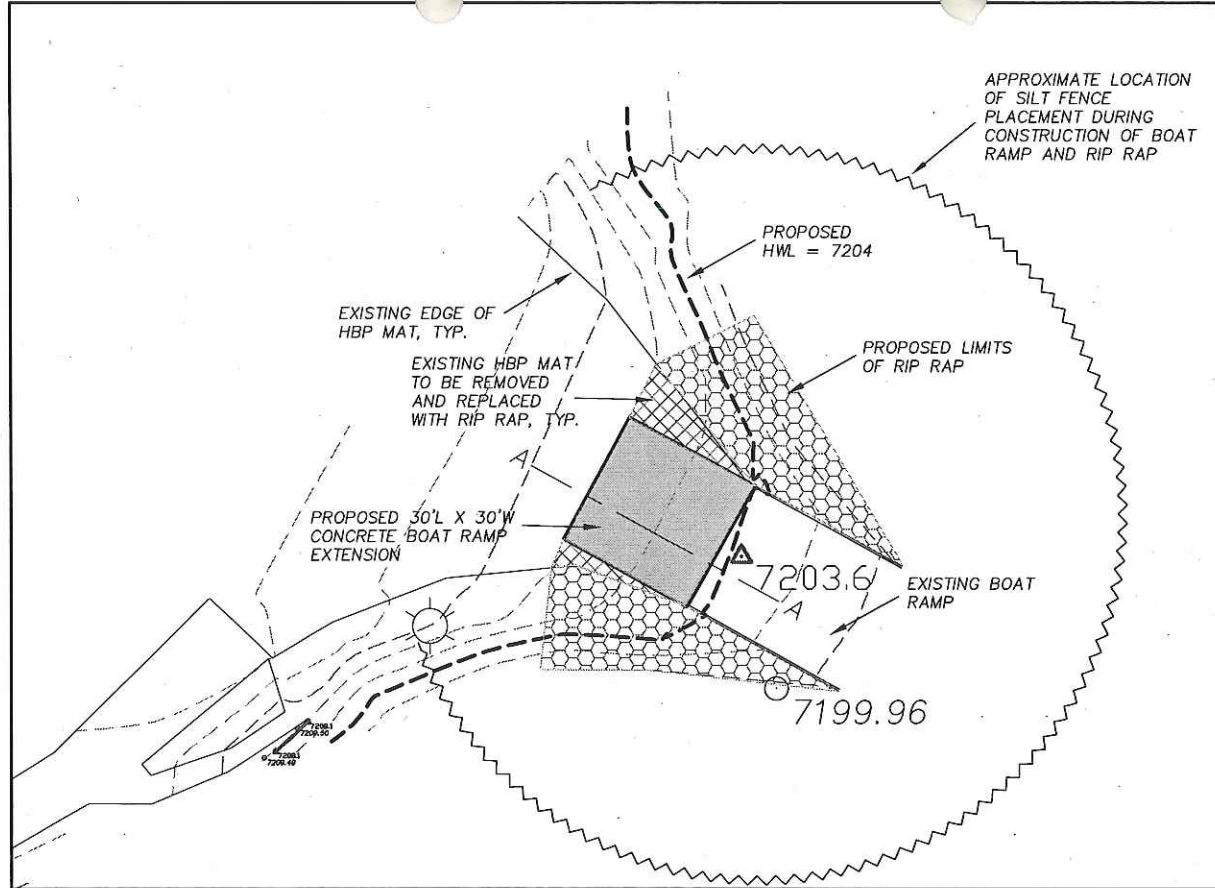
REVISIONS

No.	Item	Date

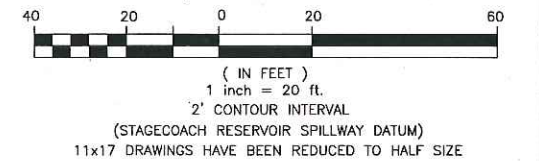
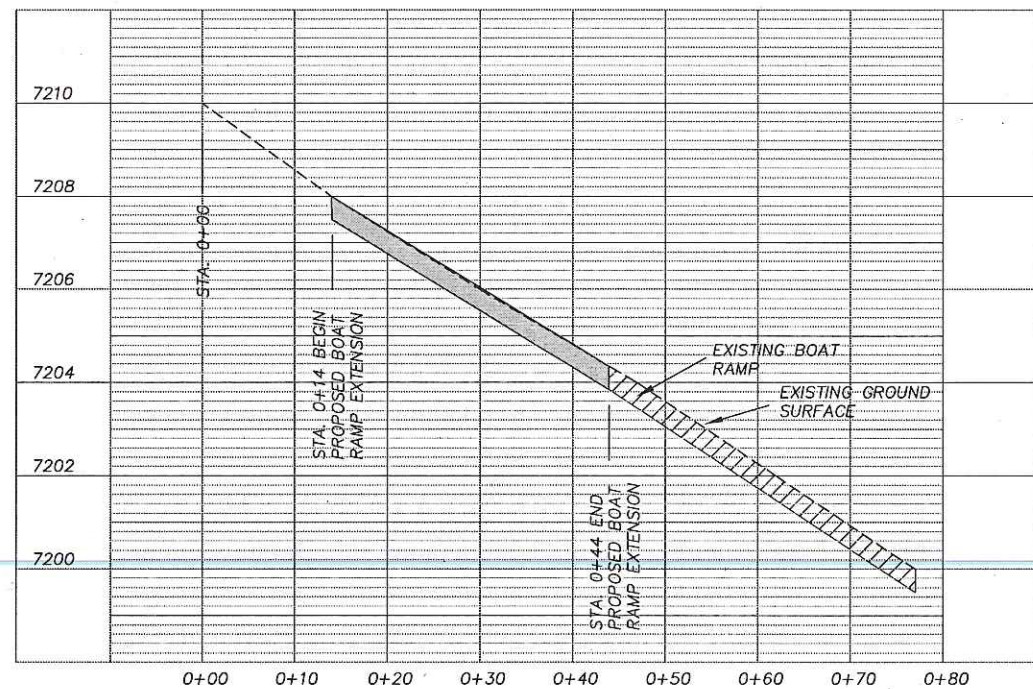
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT
Designed: CL / DB	AREA "A" - SWIM BEACH PICNIC AREA
Scale: As Noted	CONSTRUCTION DRAWING
	Civil Design Consultants, Inc. Engineers and Planners First Financial Center, 2145 Resort Drive, Suite 100 Steamboat Springs, CO 80487 Tel (970) 879-3022 • Fax (970) 879-3028
SHEET NO. C-105	PROJECT NO. 1526.004T

I:\1526-004 UH MCD SCRes Rise\Final Design\2008 Construction Dwg\080 21 Base Map.dwg, Area B, 3/5/2008 0:00:04 AM, 11 x 17, 1:2



- CONSTRUCTION NOTES:**
1. GEOTEXTILE FABRIC PLACED UNDER RIP RAP SHALL BE MIRAFI 700X OR APPROVED EQUAL.
 2. IMPORTED RIP RAP SHALL BE ANGULAR, GRANITE OR LIMESTONE WITH A D₅₀ OF 12", AND CLOSE GRADED TO FILL MAJOR VOID AREAS.
 3. CONCRETE SHALL BE A MINIMUM 4,000 PSI FIBER REINFORCED MIX. SUBMITTAL IS REQUIRED.
 4. PROPOSED SECTION SHALL BE CONSTRUCTED PER THE BOAT RAMP DETAILS ON PAGE C-500.



CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987

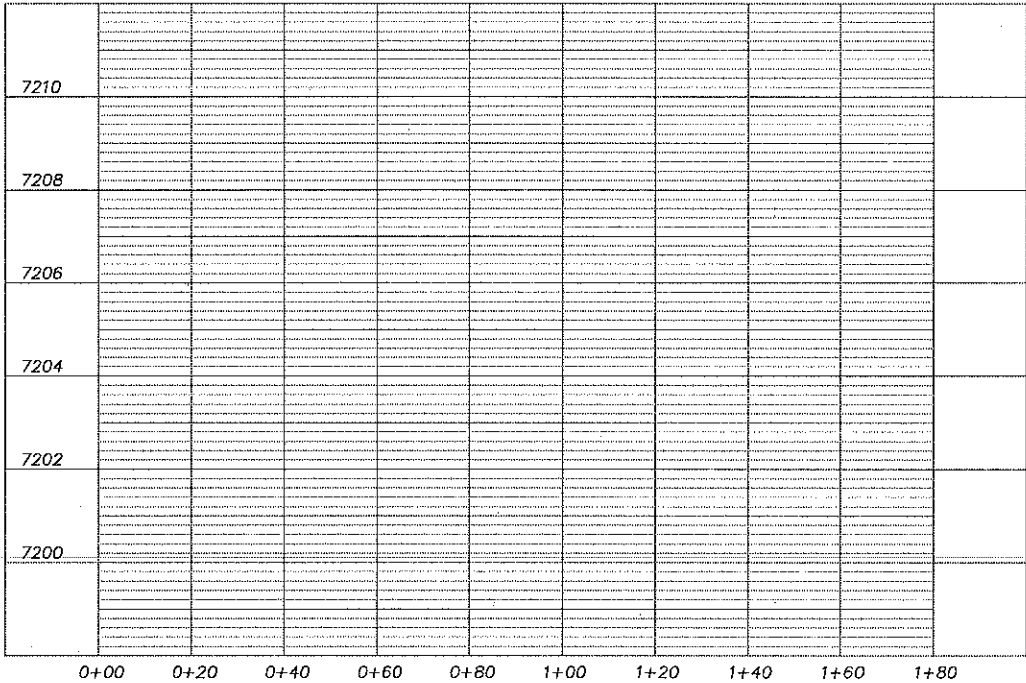
CALL 2 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

REVISIONS		
No.	Item	Date
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008		
Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT	
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT	
Designed: CL / DB	AREA "B" - MARINA BOAT RAMP AND DOCKS	
Scale: As Noted	CONSTRUCTION DRAWING	
	Civil Design Consultants, Inc. Engineers and Planners First Financial Center, 2145 Resort Drive, Suite 100 Steamboat Springs, CO 80487 Tel (970) 879-3022 • Fax (970) 879-3028	
	SHEET NO. C-106	
	PROJECT NO. 1526.004T	

I:\1526-004 U:\MCD 52 Res Rise\Final Design\2008 Construction Dwgs\080 21 Base Map.dwg Area C, 3/5/2008 0:2:16 AM, 11 x 17, 1:2

PLAN VIEW

SCALE: 1" = 20'



ROAD SECTION A-A

SCALE: 1" = 20' HORIZ.
1" = 2' VERT.



GENERAL AREA MAP

SCALE: 1" = 50'

SUGGEST DELETING
THIS PAGE AND
PLACING NOTES IN
SPECIAL PROVISIONS

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL WORK WITH ENGINEER AND STATE PARKS RANGER TO MOVE APPROXIMATELY 8 EXISTING STATIONARY GRILLS TO A HIGHER ELEVATION, IF NECESSARY.
2. MOVED GRILLS SHALL BE PLACED IN CONCRETE FOUNDATIONS AS EXISTING.



1 inch = 20 ft.
2' CONTOUR INTERVAL
(STAGECOACH RESERVOIR SPILLWAY DATUM)
11x17 DRAWINGS HAVE BEEN REDUCED TO HALF SIZE



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

REVISIONS

No.	Item	Date

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

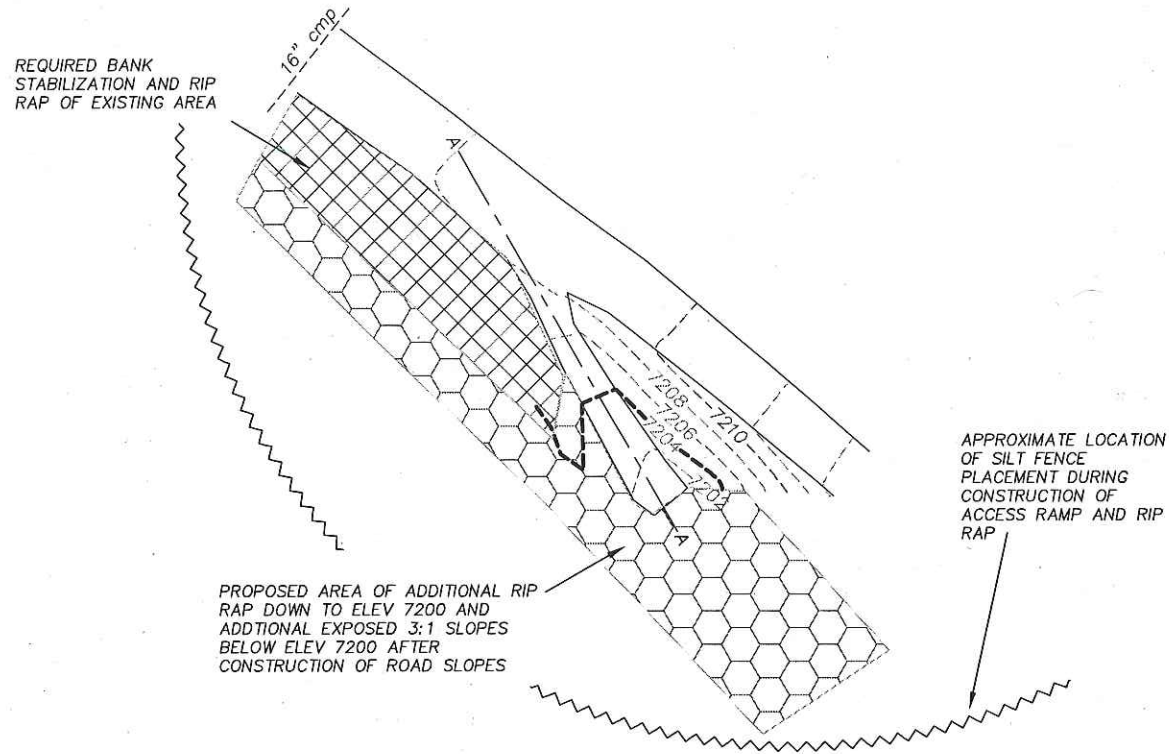
Date: 31 JAN 08	UPPER YAMPA WATER
Drawn: CL / LB	CONSERVANCY DISTRICT
Designed: CL / DB	STAGECOACH RESERVOIR ENLARGEMENT
Scale: As Noted	AREA "C" -- HAYBRO DAY USE AREA

CONSTRUCTION DRAWING

Civil Design Consultants, Inc.
Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

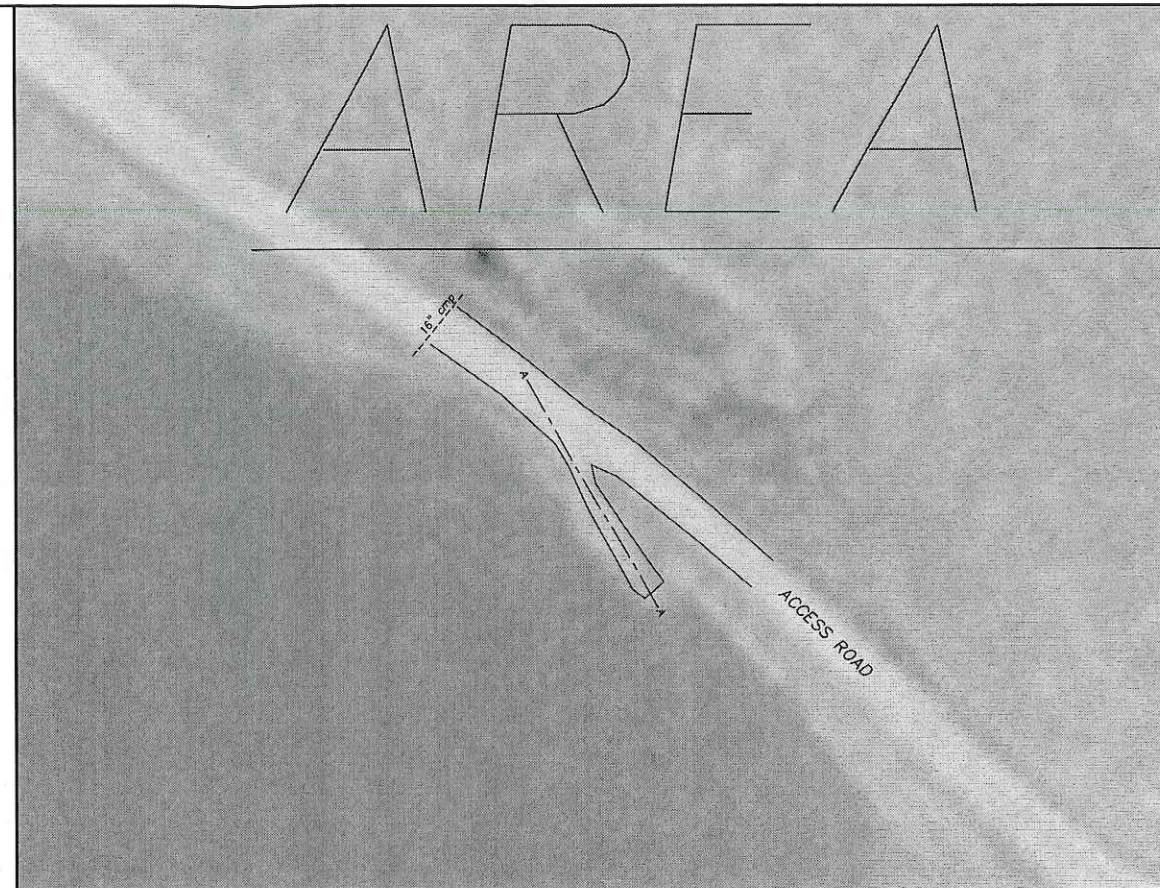
SHEET NO. C-107 PROJECT NO. 1526.004T

I:\1526-004 UNICD SCRes Rise\Final Design\2008 Construction Dwg\080 21 Base Map.dwg, Area D, 3/5/2008 10:25:02 AM, 11 x 17, 1:2



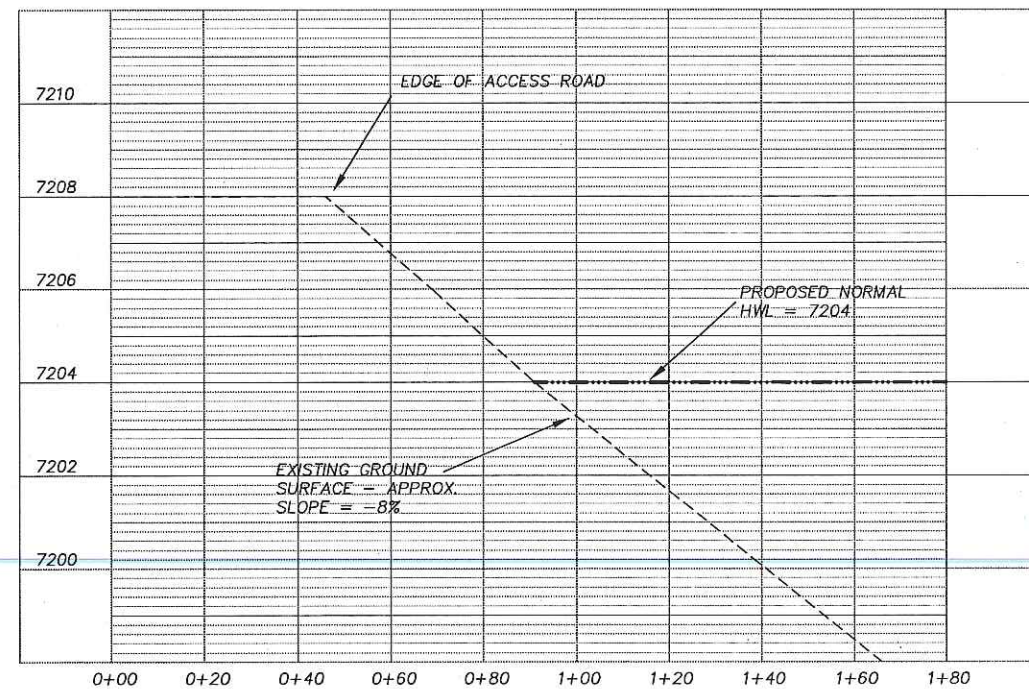
PLAN VIEW

SCALE: 1" = 30'



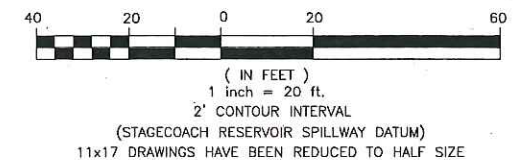
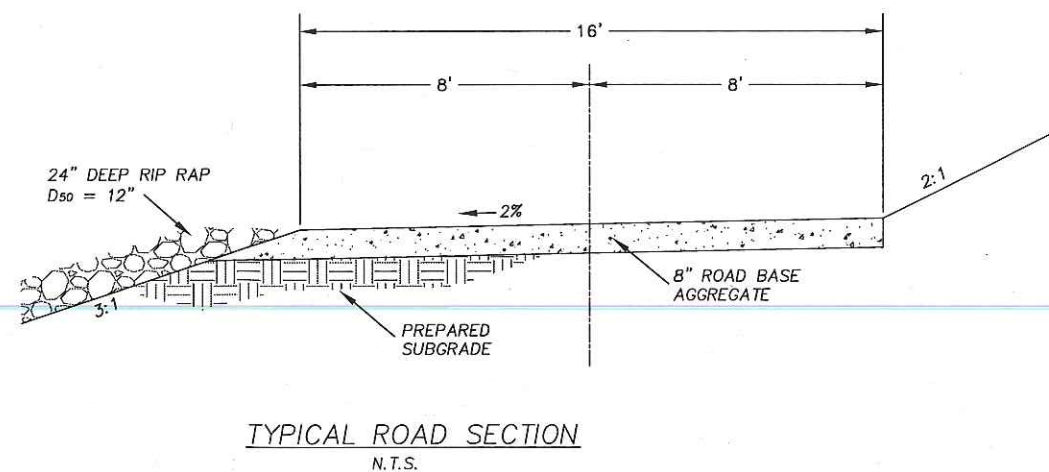
GENERAL AREA MAP

SCALE: 1" = 50'



ROAD SECTION A-A

SCALE: 1" = 20' HORIZ.
1" = 2' VERT.



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

REVISIONS

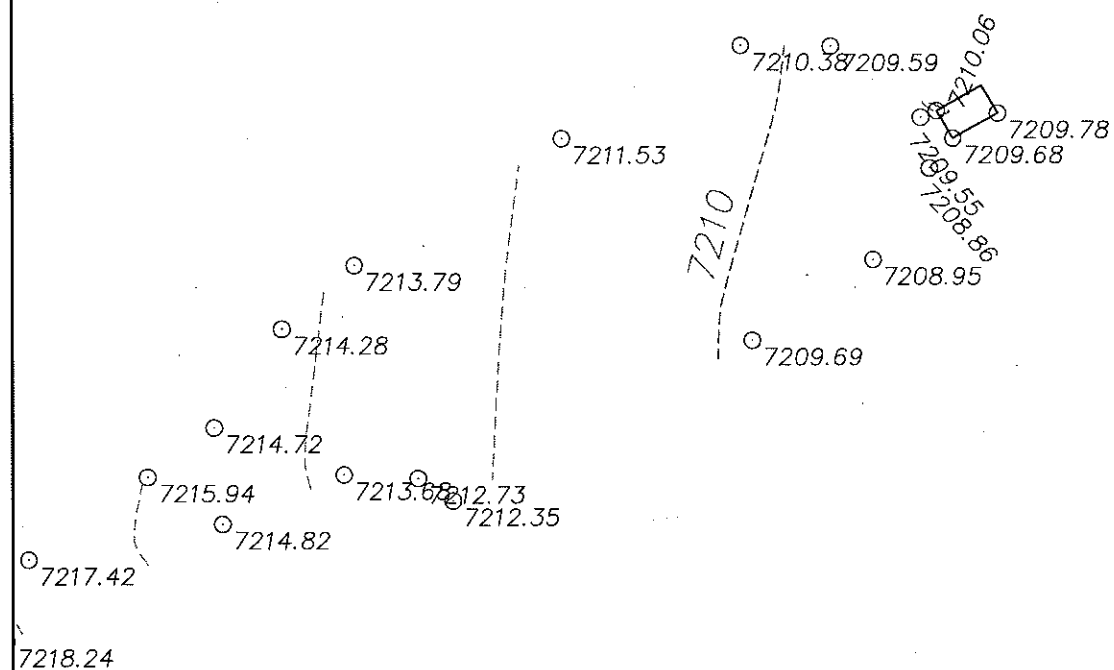
No.	Item	Date

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT
Designed: CL / DB	AREA "D" - FISHERMAN ACCESS
Scale: As Noted	

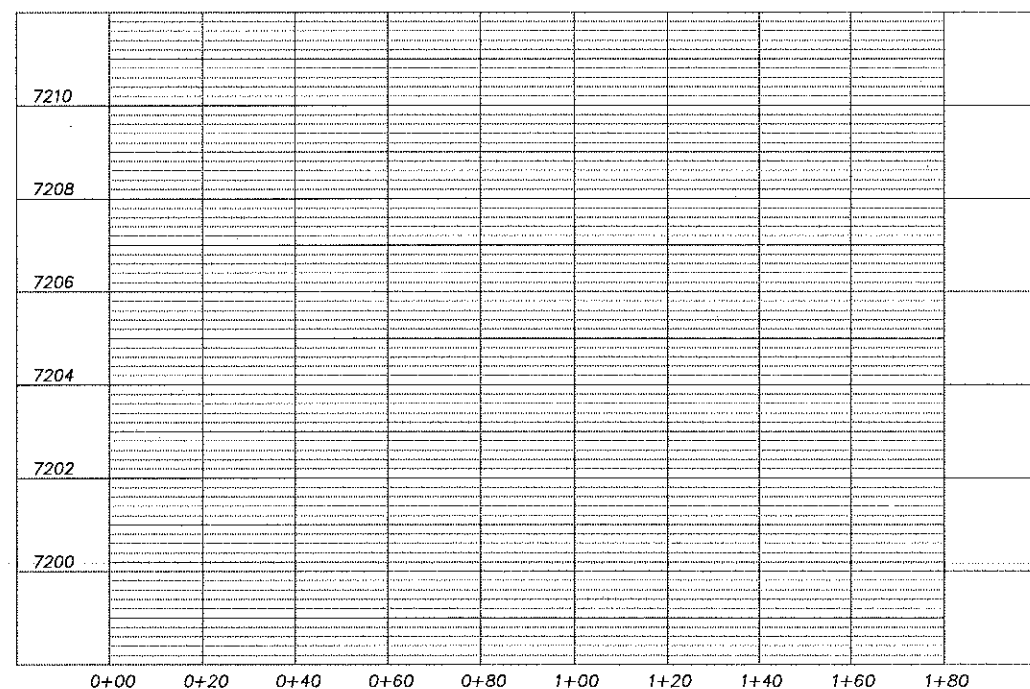
CONSTRUCTION DRAWING
Civil Design Consultants, Inc.
Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

SHEET NO. C-108 PROJECT NO. 1526.004T



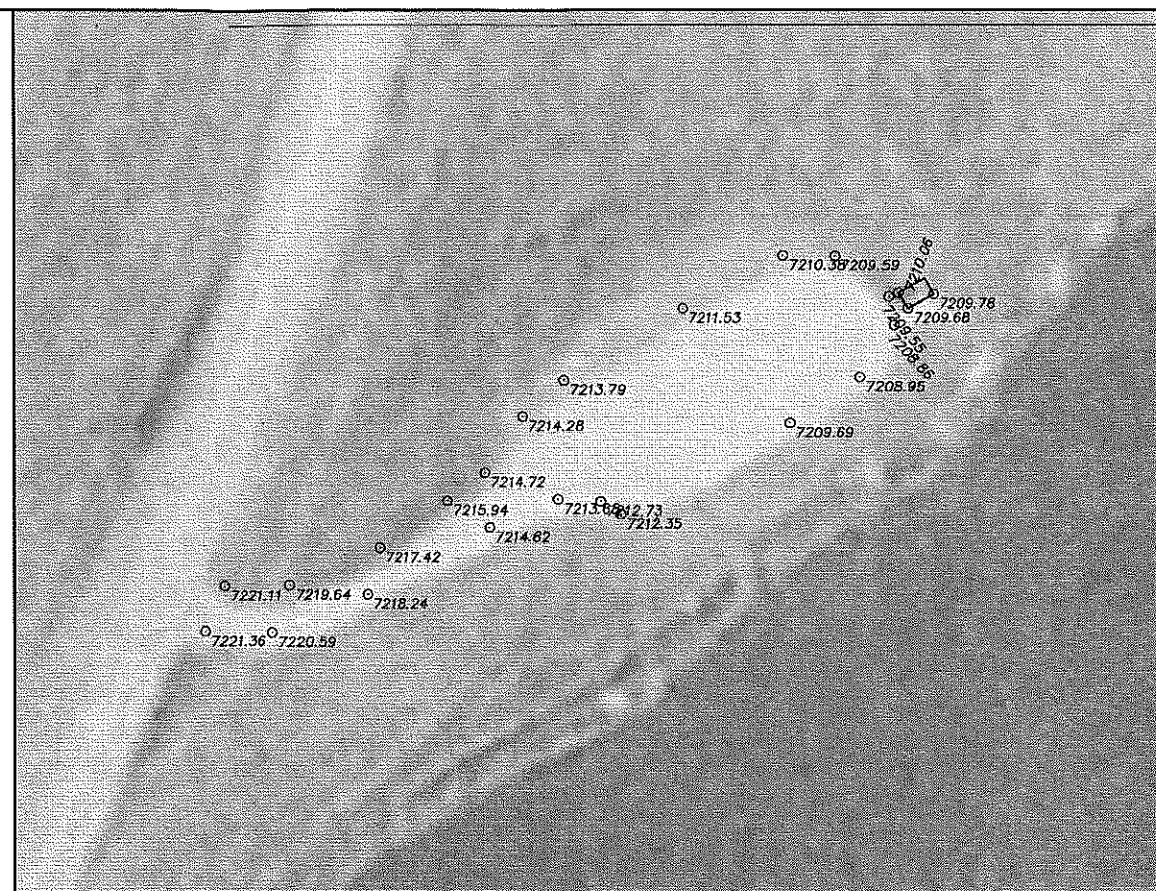
PLAN VIEW

SCALE: 1" = 20'



ROAD SECTION A-A

SCALE: $1'' = 20'$ HORIZ.
 $1'' = 2'$ VERT.



GENERAL AREA MAP

SCALE: 1" = 50'

SUGGEST DELETING
THIS PAGE IF NO
WORK IS TO BE DONE

- CONSTRUCTION NOTES:

1. AT ELEVATION 7204, THERE IS NO WORK REQUIRED AT THIS LOCATION.
2. AT ELEVATION 7207.5, THERE IS NO WORK REQUIRED AT THIS LOCATION.
3. THE EXISTING VAULT TOILETS APPEAR TO BE FAR ENOUGH FROM THE PROPOSED WATER SURFACE ELEVATION 7204 TO SATISFY THE ROUTT COUNTY REQUIREMENT TO BE A MINIMUM OF 25 FEET FROM THE WATER SURFACE.



(IN FEET)
1 inch = 20 f

1 inch = 20 ft.

2' CONTOUR INTERVAL

(STAGECOACH RESERVOIR SPILLWAY DATUM)

11x17 DRAWINGS HAVE BEEN REDUCED TO HALF SIZE

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

REVISIONS

REVISIONS		
No.	Item	Date

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08

Drawn: CL / LB

Designed: CL / DB

Scale: As Noted

UPPER YAMPA WATER
CONSERVANCY DISTRICT

8	STAGECOACH RESERVOIR ENLARGEMENT
---	----------------------------------

AREA "E" -- PARKING LOT AND VAULT
TOILET ON RCR-14

CONSTRUCTION DRAWING

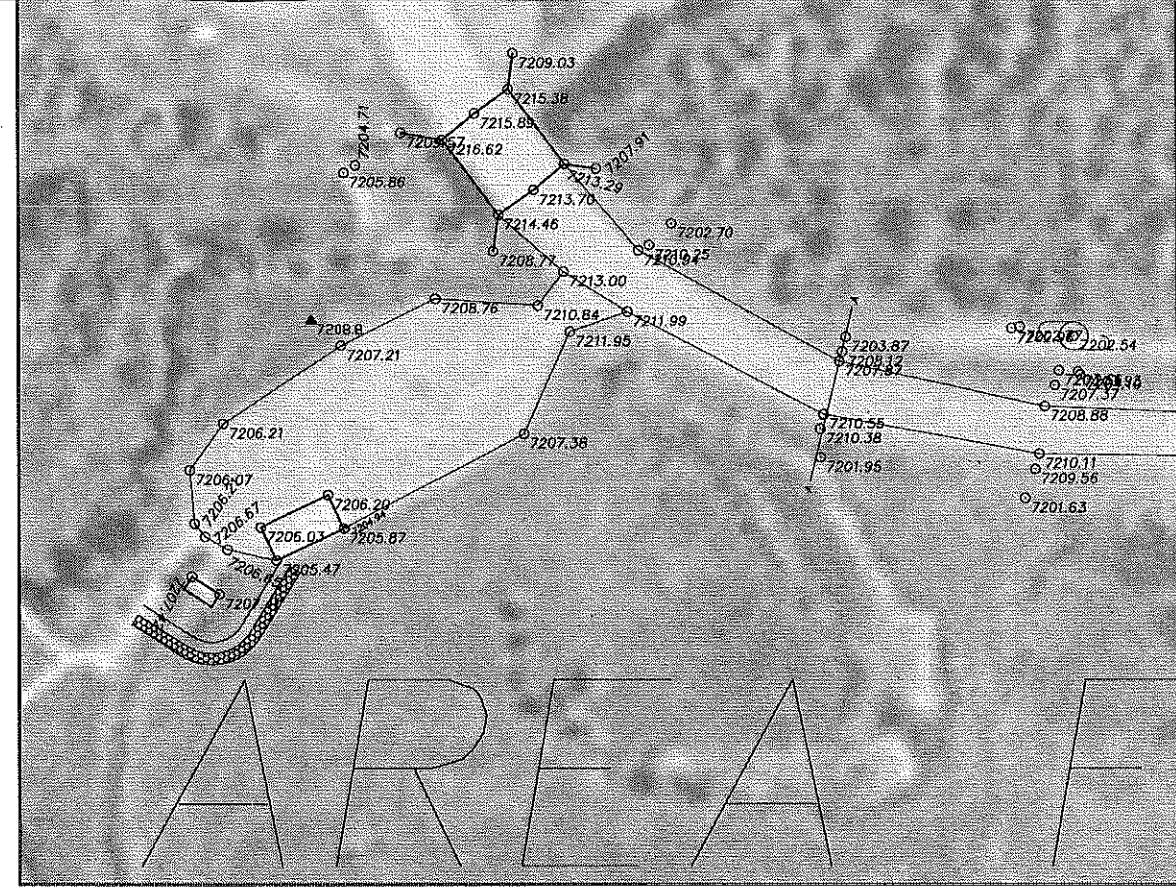
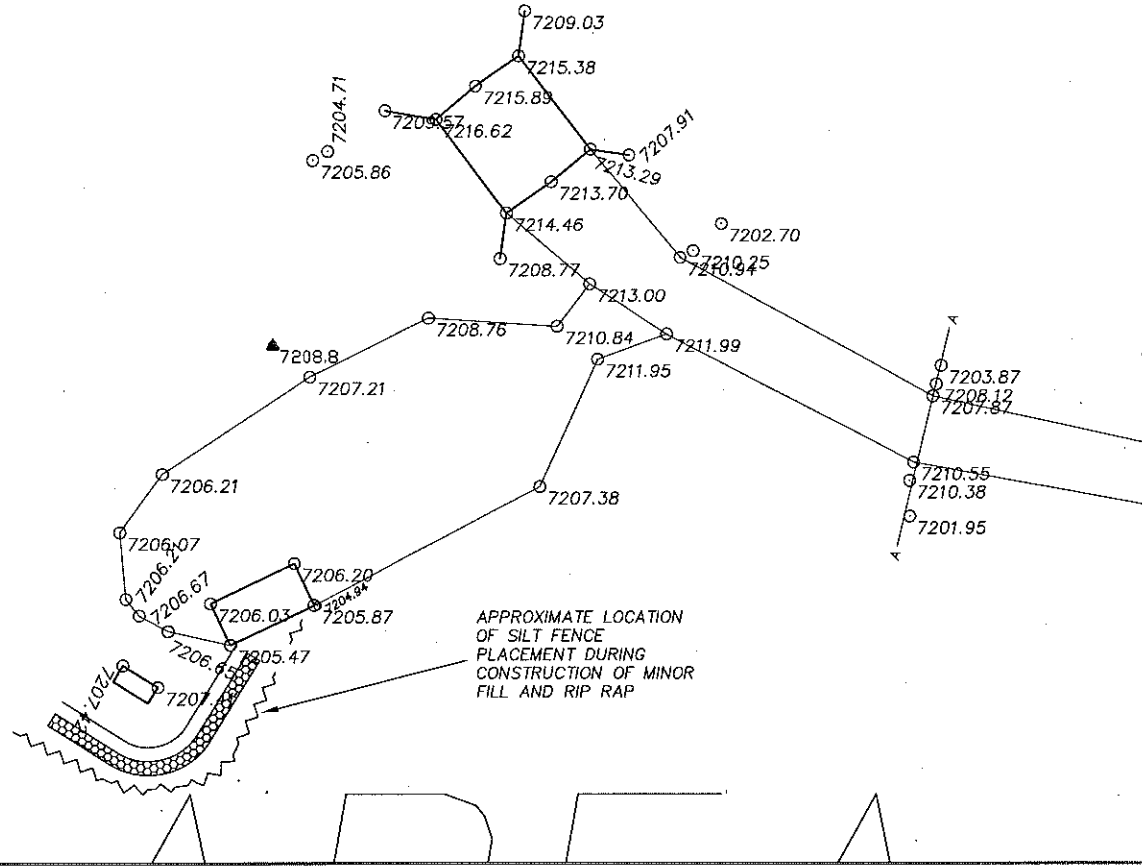
Civil Design Consultants, Inc.

**Civil Design Consultants,
Engineers and Planners**
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

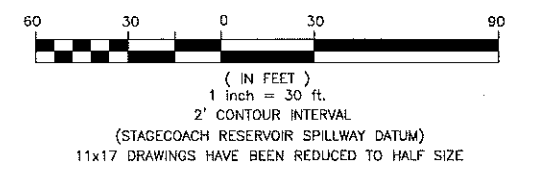
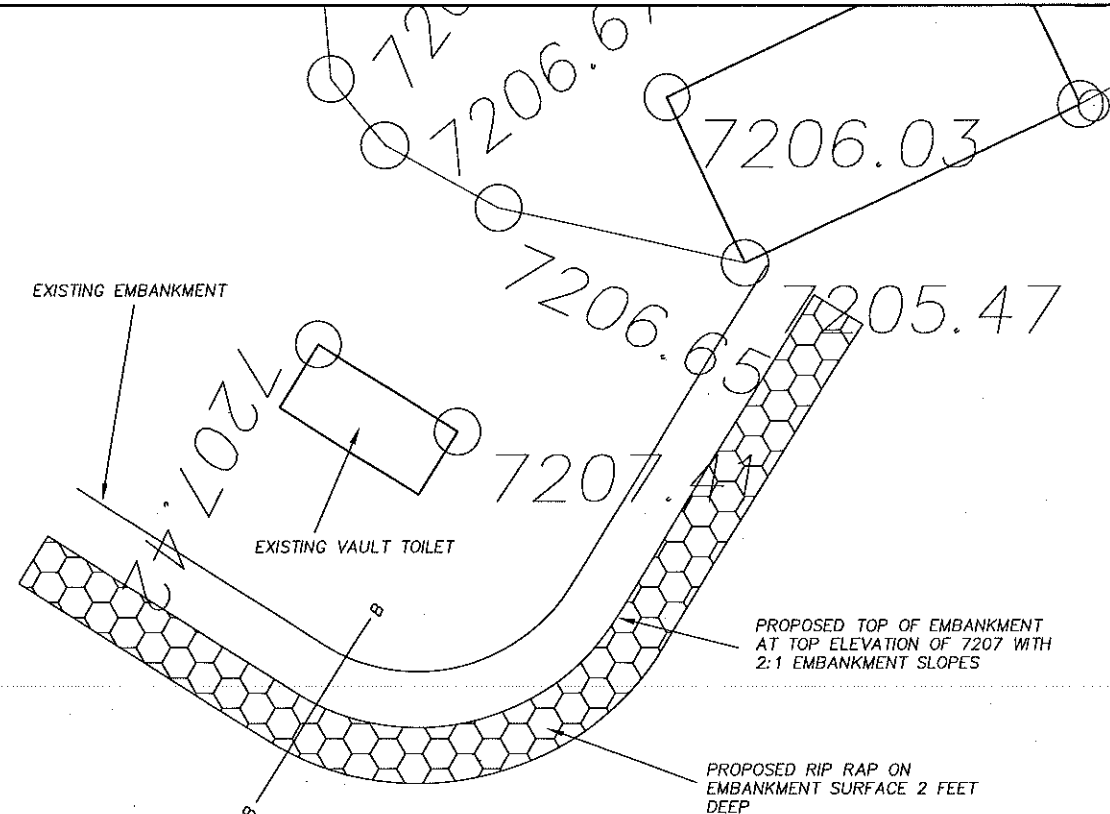
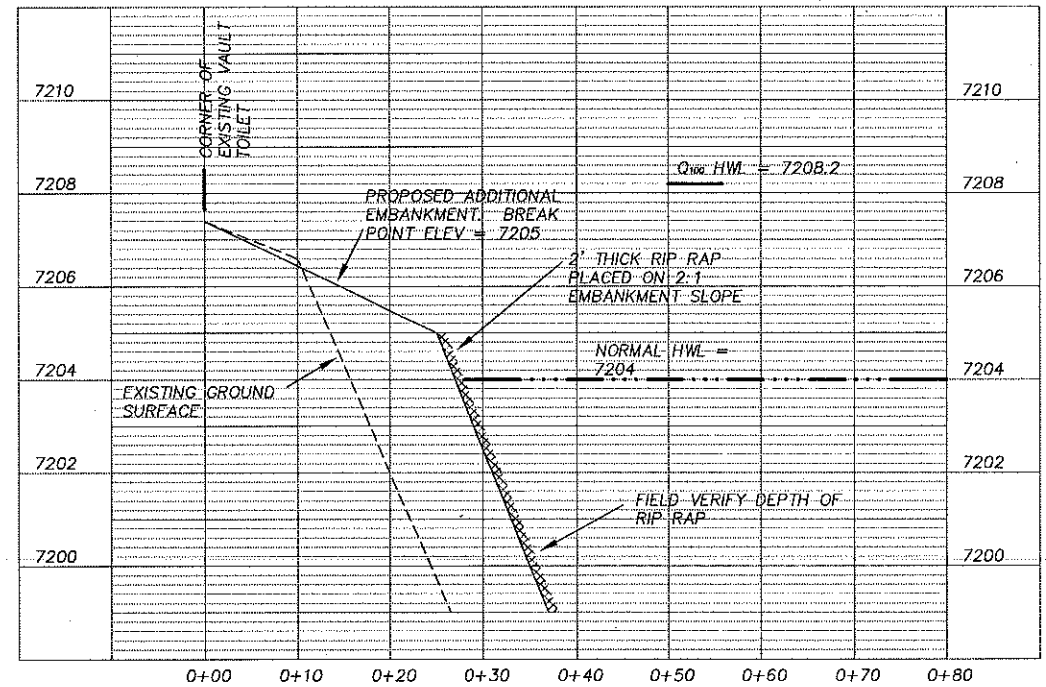
SHEET NO. C-109

PROJECT NO. 1526.004T

I:\1525-004 U-WCD SC Res Rise\Inal Design\2008 Construction Dwg\080 21 Base Map.dwg, Area F, 3/5/2008 10:35:16 AM, x 1, 1:2



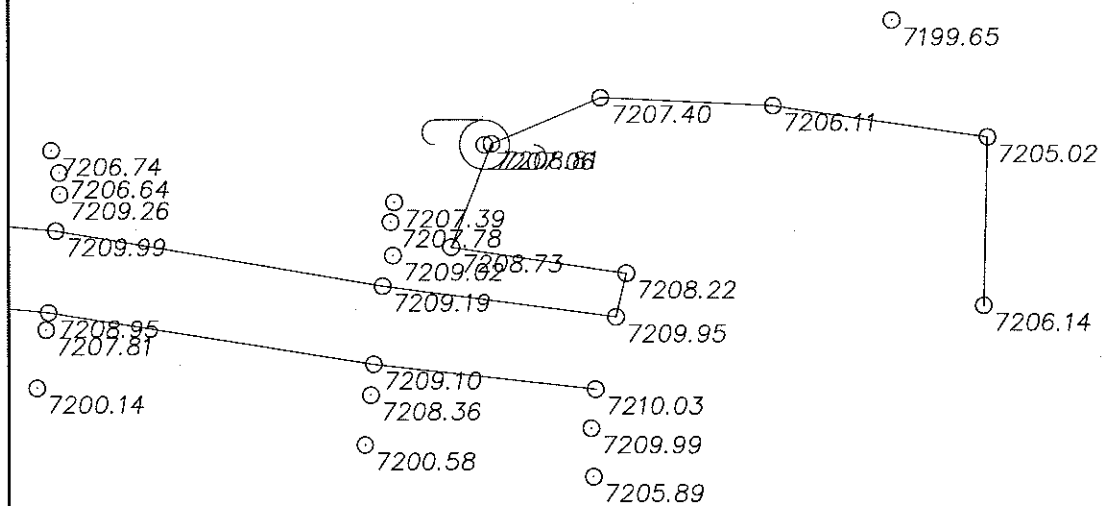
- CONSTRUCTION NOTES:**
1. AT ELEVATION 7204, THERE IS NO WORK REQUIRED AT THIS LOCATION ON THE PARKING LOT.
 2. AT ELEVATION 7207.5, THERE IS NO WORK REQUIRED AT THIS LOCATION. SPOT ELEVATIONS SHOW THAT MINOR INUNDATION WILL OCCUR OVER THE VAULT CLEAN-OUT MANHOLES.
 3. THE EXISTING VAULT TOILETS WILL NEED ADDITIONAL FILL AND ROCK RIP RAP AT WATER ELEVATION 7204 TO SATISFY THE ROUTT COUNTY REQUIREMENT TO BE A MINIMUM OF 25 FEET FROM THE WATER SURFACE.
 4. RIP RAP SHALL BE PLACED ON A LAYER OF MIRAFI 700X OR APPROVED EQUAL. RIP RAP SHALL CONFORM TO NOTE 2 ON SHEET C-106.
 5. FIELD VERIFY LENGTH OF ADDITIONAL FILL AND REQUIRED RIP RAP.



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

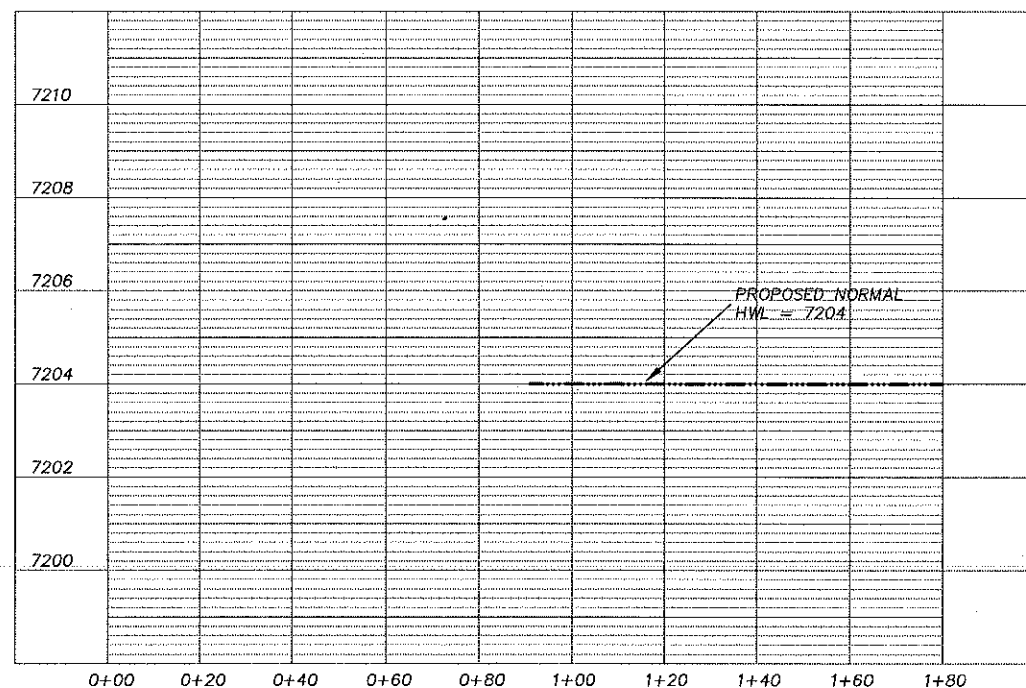
REVISIONS		
No.	Item	Date
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008		
Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT	
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT	
Designed: CL / DB	AREA "F" - PARKING LOT AND VAULT TOILET ON RCR-16 NEAR YAMPA RIVER BRIDGE	
Scale: As Noted	CONSTRUCTION DRAWING	
Civil Design Consultants, Inc. Engineers and Planners First Financial Center, 2145 Resort Drive, Suite 100 Steamboat Springs, CO 80487 Tel (970) 879-3022 • Fax (970) 879-3028		
SHEET NO. C-110	PROJECT NO. 1526.004T	

I:\1526-004 U:\MCD SC-Ras Rise\Final Design\2008 Construction Drawings\080 21 Base Map.dwg, Area G, 3/5/2008 10:53:53 AM, 11 x 17, 32



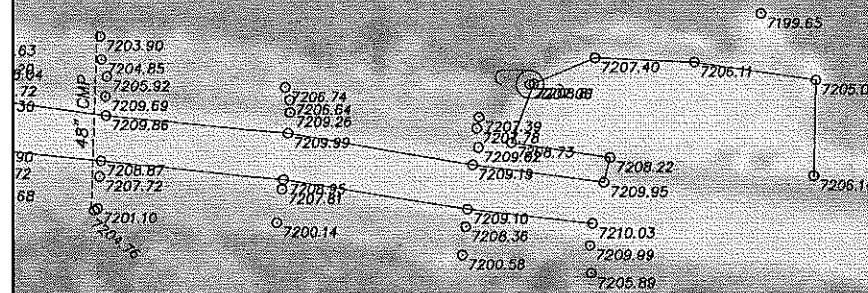
PLAN VIEW

SCALE: 1" = 30'



ROAD SECTION A-A

SCALE: 1" = 20' HORIZ.
1" = 2' VERT.



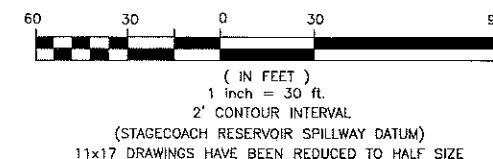
GENERAL AREA MAP

SCALE: 1" = 50'

SUGGEST DELETING
THIS PAGE IF NO
WORK IS TO BE DONE

CONSTRUCTION NOTES:

1. AT ELEVATION 7204, THERE IS NO WORK REQUIRED AT THIS LOCATION.
2. AT Q₁₀₀ ELEVATION 7207.5, THERE IS NO WORK REQUIRED AT THIS LOCATION. THE 7207.5 ELEVATION WILL INUNDATE PART OF THE PARKING LOT FOR THE DURATION OF THE FLOOD.



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

REVISIONS

No.	Item	Date

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

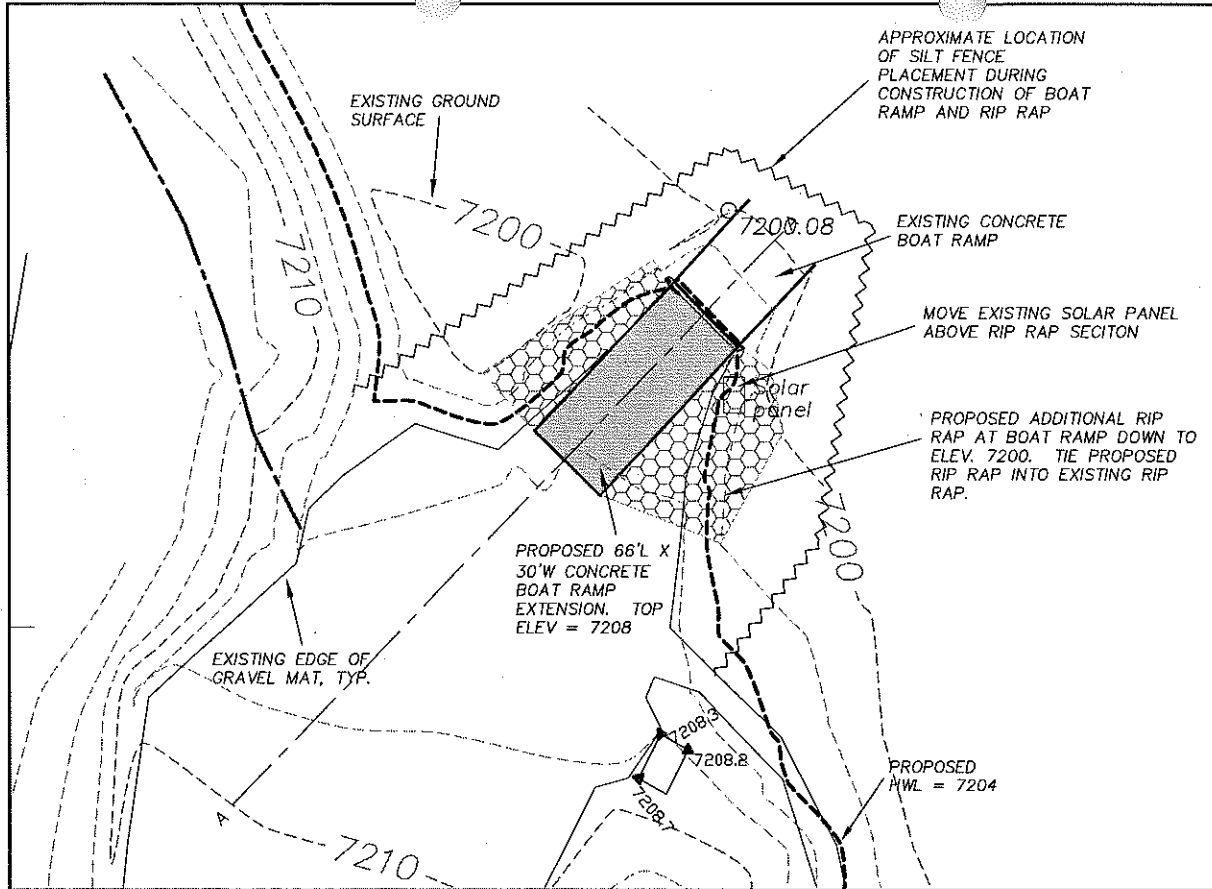
Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT
Designed: CL / DB	AREA "G" - PARKING LOT ON RCR-16
Scale: As Noted	

CONSTRUCTION DRAWING

Civil Design Consultants, Inc.
Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

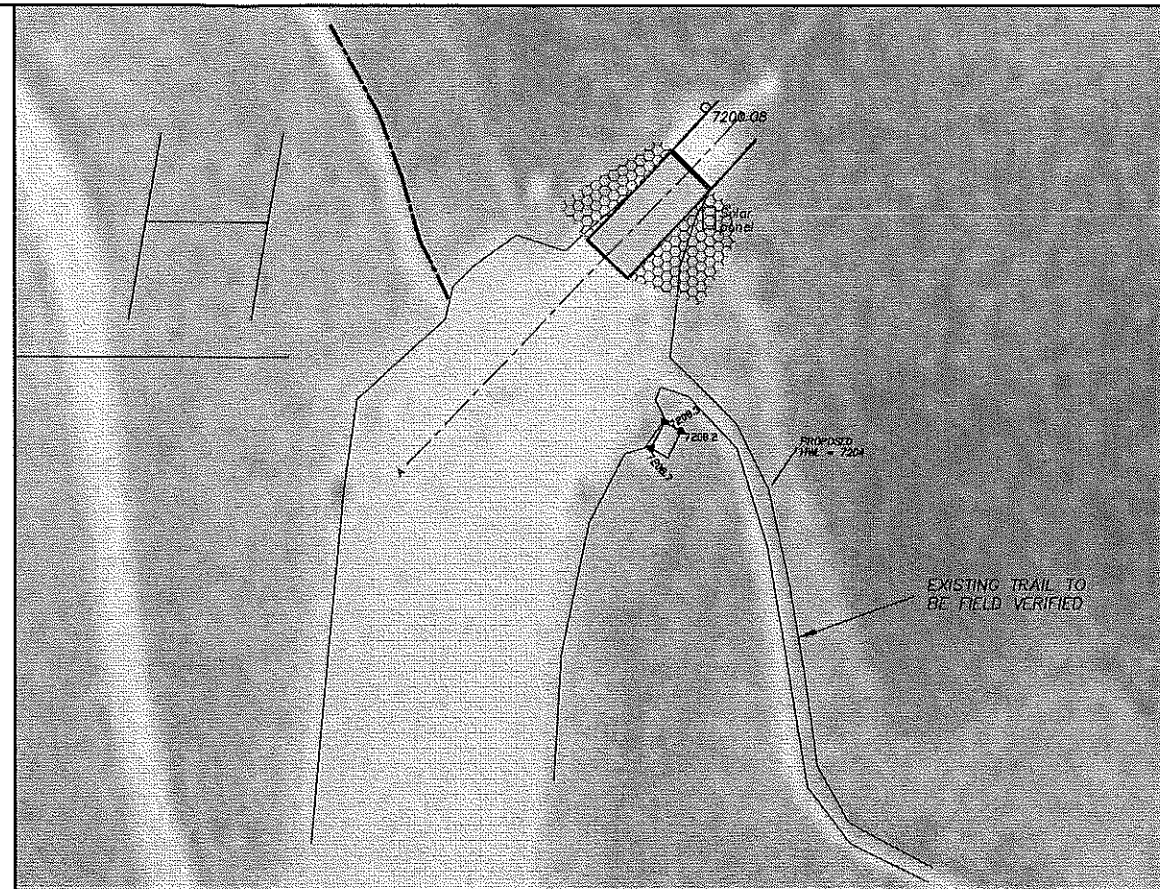
SHEET NO. C-111 PROJECT NO. 1526.004T

I:\1526-C04_U:\WCD 55-Res Rise\Final Design\2108 Construction Dwg\080 21 Base Map.dwg, Area H, 3/5/2008 10:00:16 AM, ... x 1, 12



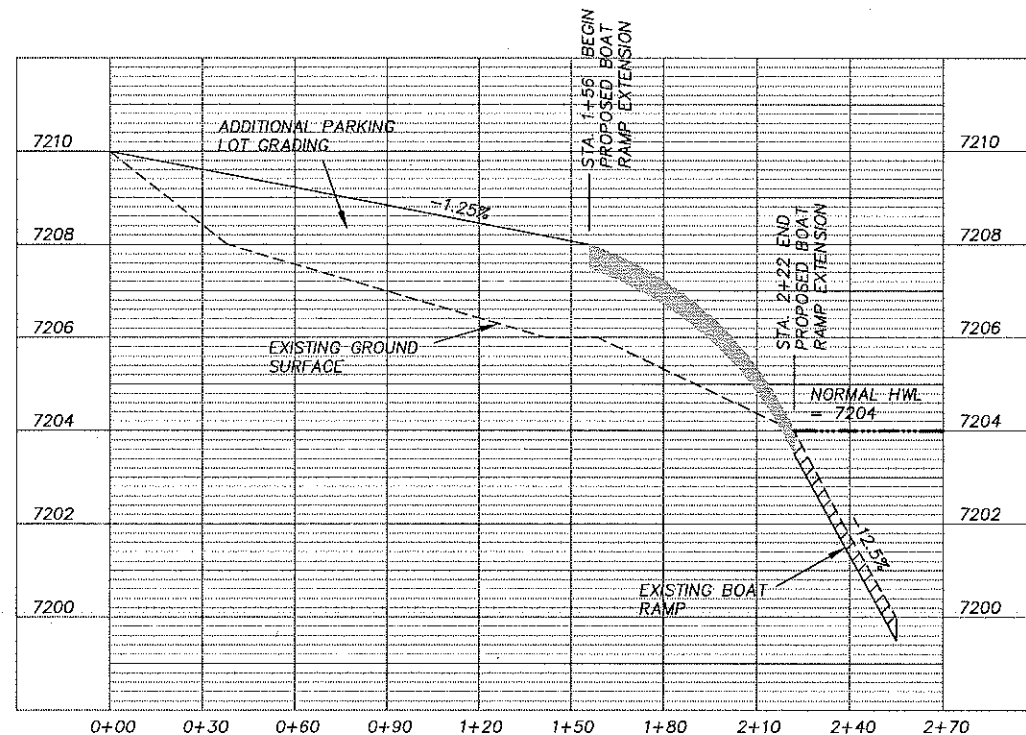
PLAN VIEW

SCALE: 1" = 30'



GENERAL AREA MAP

SCALE: 1" = 50'



PROFILE VIEW
SECTION A-A

SCALE: 1" = 30' HORIZ.
1" = 2' VERT.



(IN FEET)
1 inch = 30 ft.
2' CONTOUR INTERVAL
(STAGECOACH RESERVOIR SPILLWAY DATUM)
11x17 DRAWINGS HAVE BEEN REDUCED TO HALF SIZE



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

REVISIONS

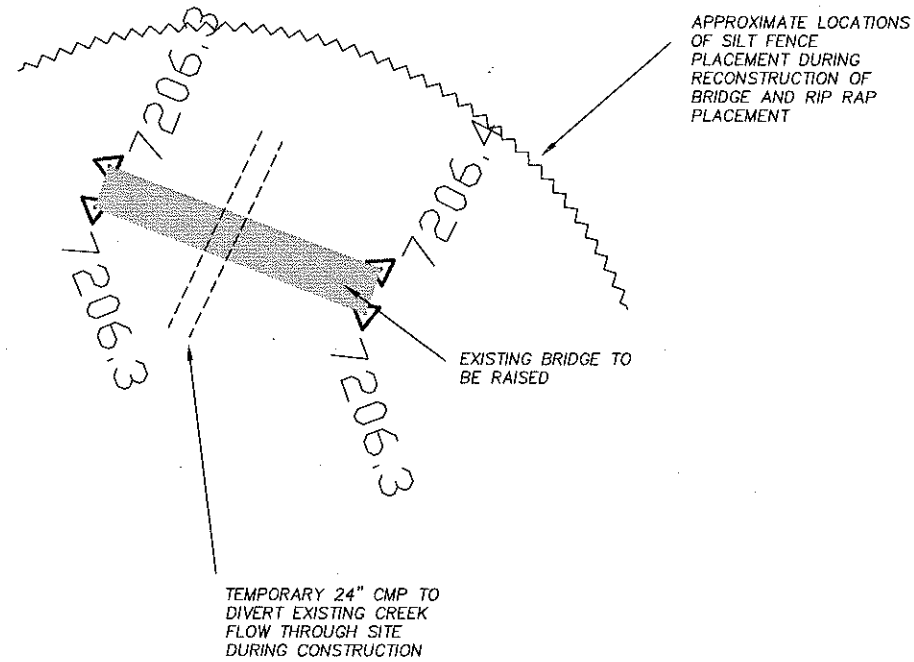
No.	Item	Date

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT
Designed: CL / DB	AREA "H" - LITTLE MORRISON CREEK BOAT RAMP, VAULT TOILET, AND PARKING LOT
Scale: As Noted	CONSTRUCTION DRAWING

Civil Design Consultants, Inc.
Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028
SHEET NO. C-112 PROJECT NO. 1526.004T

I:\2008-004 U:\CD SCRS Rise\Final Design\2008 Construction Dwg\060 21 Base Map.dwg, Area 1, 3/5/2008 10:48:17 AM, x 1, 1:2



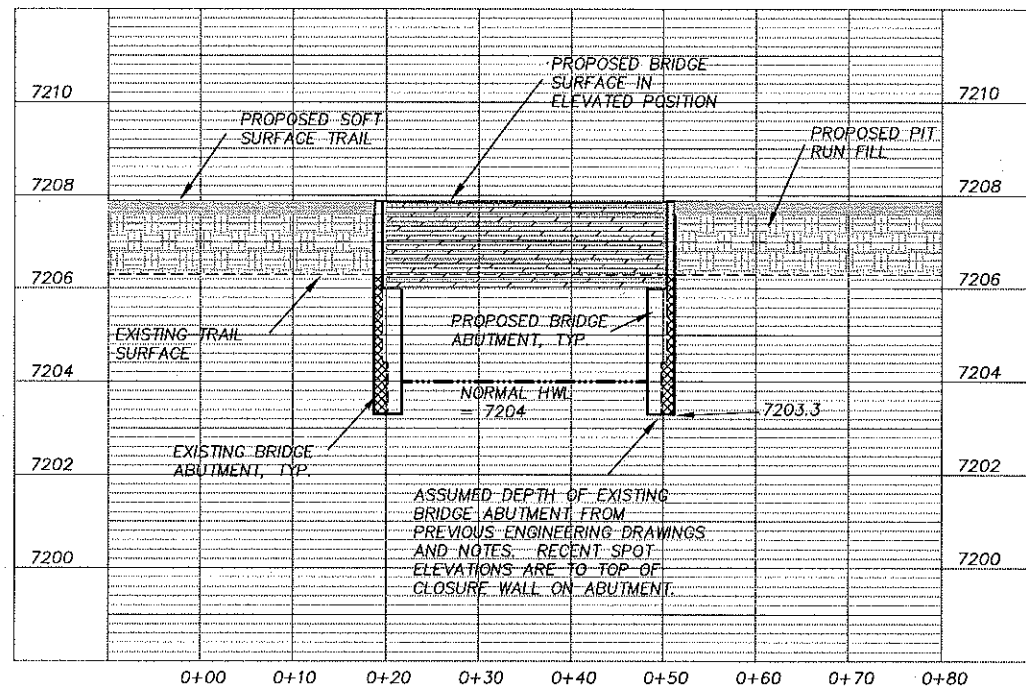
PLAN VIEW

SCALE: 1" = 10'



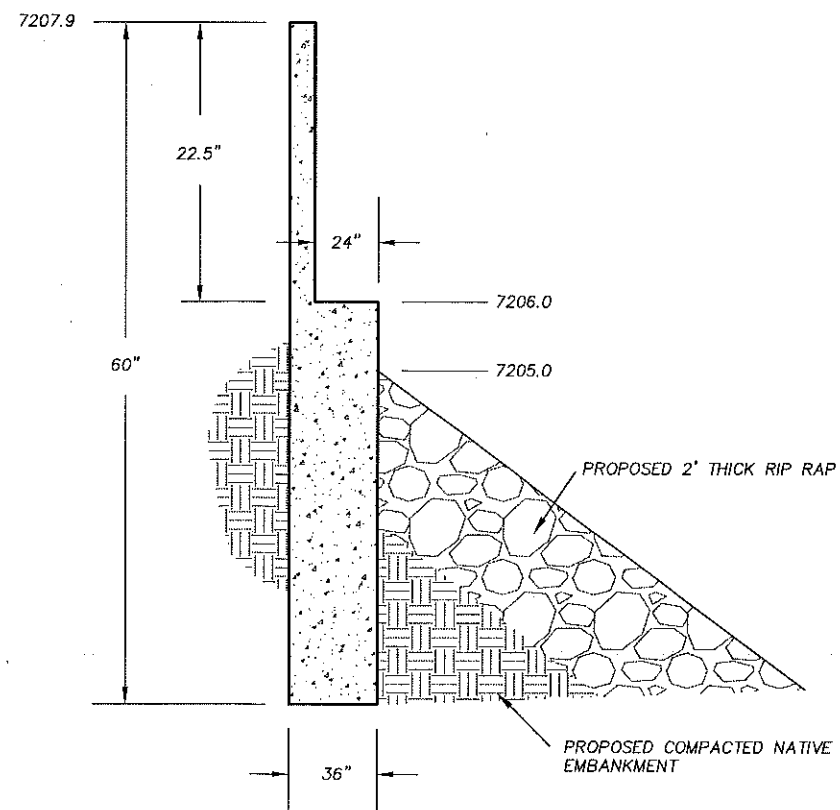
GENERAL AREA MAP

SCALE: 1" = 50'



BRIDGE PROFILE VIEW

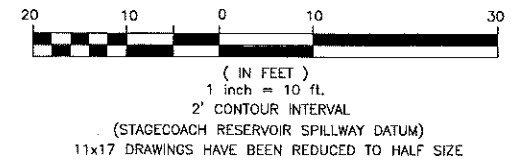
SCALE: 1" = 10' HORIZ.
1" = 2' VERT.



PROPOSED BRIDGE ABUTMENT
N.T.S.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL HAVE ACCESS TO THE SITE ALONG THE EXISTING SEWER MAIN ALIGNMENT FROM RCR-18.
2. THE EXISTING BRIDGE IS TO BE LIFTED OFF OF THE EXISTING ABUTMENTS AND REPLACED AFTER NEW ABUTMENTS ARE PLACED. CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING WOOD APPROACH WALLS AND REPLACE IN THE ELEVATED POSITION.
3. THE EXISTING CONCRETE ABUTMENTS SHALL BE REMOVED AND REPLACED WITH ABUTMENTS PER THE PROPOSED BRIDGE ABUTMENT DETAIL ON THIS SHEET.
4. CONCRETE FOR ABUTMENTS SHALL BE A MINIMUM 4,000 PSI MIX DESIGN. REBAR SHALL BE PER THE STRUCTURAL DESIGN ENGINEER'S DRAWINGS.
5. THE LOW CHORD OF THE BRIDGE SHALL BE SET TO ELEVATION 7206.
6. THE EXISTING TRAILS WILL BE MODIFIED TO FIT THE NEW BRIDGE ELEVATION. NEW TRAIL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SOFT SURFACE TRAIL DETAIL ON SHEET C-500. MAINTAIN THE PROPOSED BRIDGE SURFACE ELEVATION FOR 30 FEET EACH SIDE OF BRIDGE BEFORE GRADE ADJUSTMENT TAKES PLACE.
7. RIP RAP SHALL BE PLACED ON A LAYER OF MIRAFI 700X OR APPROVED EQUAL. RIP RAP SHALL CONFORM TO NOTE 2 ON SHEET C-106.
8. RIP RAP SHALL EXTEND 15 FEET UPSTREAM OF BRIDGE, UNDER THE BRIDGE, AND 10 DOWNSTREAM OF BRIDGE ALONG THE EXISTING BANKS. SLIGHT GRADING OF THE EXISTING BANKS MAY BE NECESSARY TO PLACE THE RIP RAP SECTION.



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

REVISIONS

No.	Item	Date

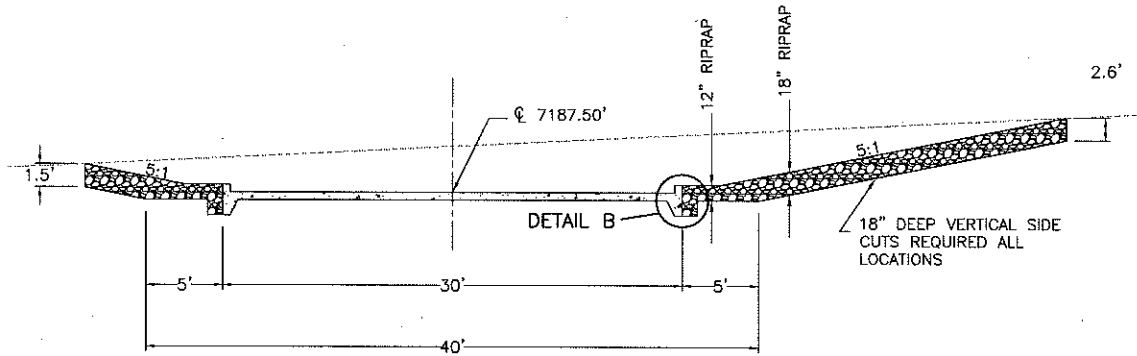
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT
Designed: CL / DB	AREA "1" - ELK RUN TRAIL AND PEDESTRIAN BRIDGE AT LITTLE MORRISON CREEK
Scale: As Noted	CONSTRUCTION DRAWING

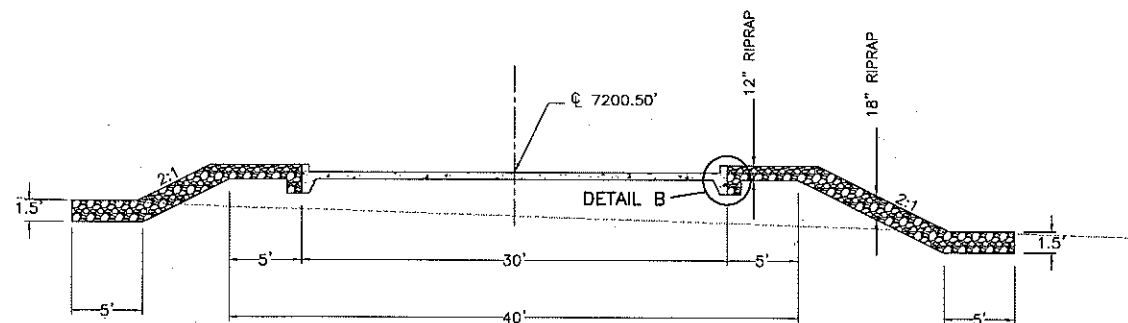
Civil Design Consultants, Inc.
Engineers and Planners
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

SHEET NO. C-113 PROJECT NO. 1526.004T

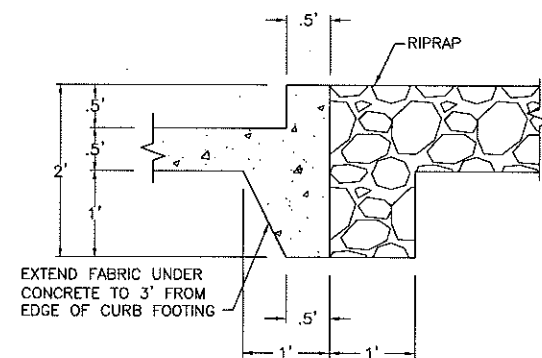
E:\1526-004 Un WCD Sdkas Risa\Final Design\2008 Construction Dwg\0-500 Details.dwg, Layout1, 3/5/2008 10:22 AM, 1 x 17, 1:2



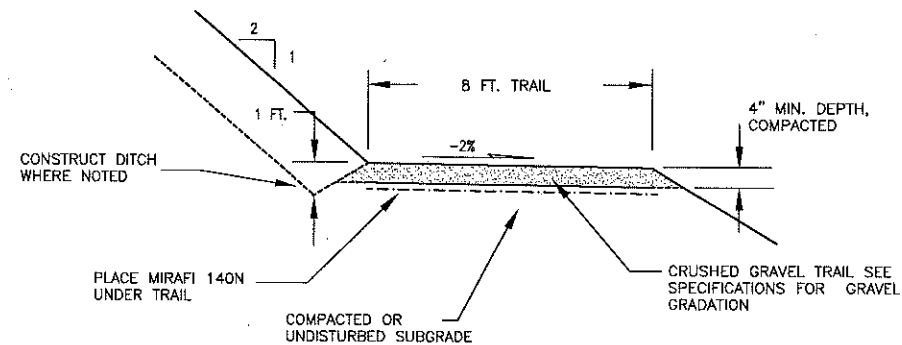
BOAT RAMP CUT SECTION
NOT TO SCALE



BOAT RAMP FILL SECTION
NOT TO SCALE



CURB & FOOTING DETAIL B
SCALE: 1" = 1'



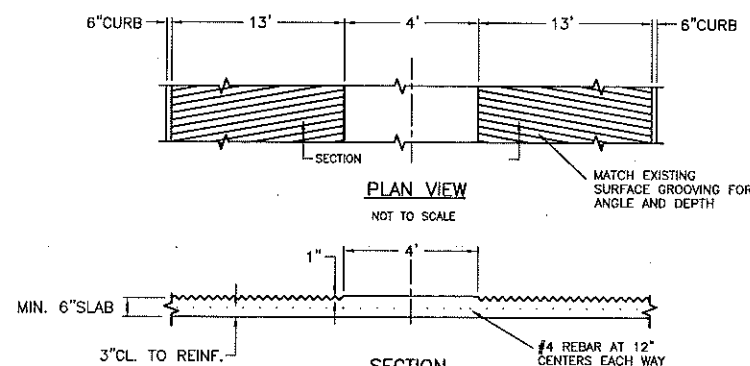
TYPICAL SOFT SURFACE TRAIL
NOT TO SCALE

IN AREAS THAT THE EXISTING TRAIL IS TO BE REBUILT THE MINIMUM ELEVATION OF THE REBUILT TRAIL SHALL BE 7207. GRADES ON EACH SIDE SHALL BLEND INTO THE EXISTING TRAIL AT NO STEEPER GRADE THAN 7%.

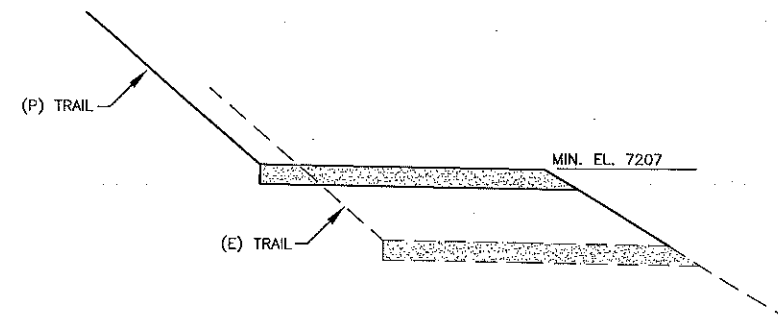


(IN FEET)
1 inch = 1 ft.
2' CONTOUR INTERVAL
(STAGECOACH RESERVOIR SPILLWAY DATUM)
11x17 DRAWINGS HAVE BEEN REDUCED TO HALF SIZE

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



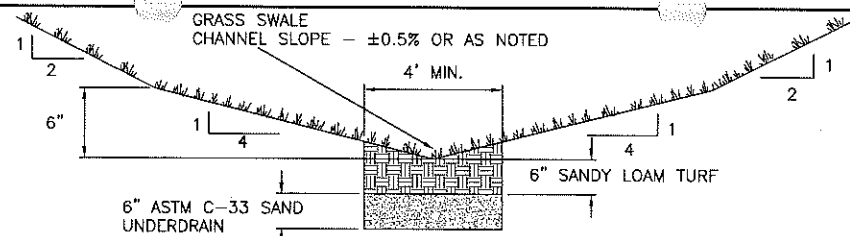
BOAT RAMP GROOVING DETAIL
N.T.S.



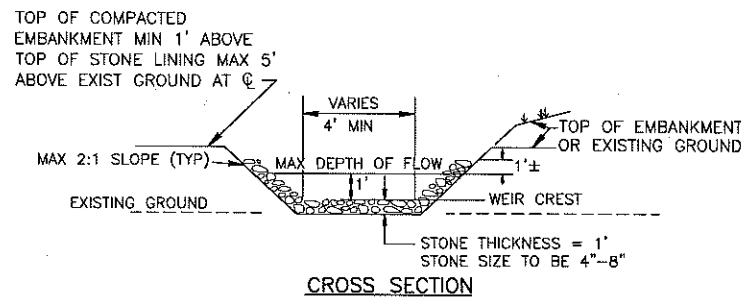
TRAIL ADJUSTMENT DETAIL
NOT TO SCALE

CONSTRUCTION NOTES:

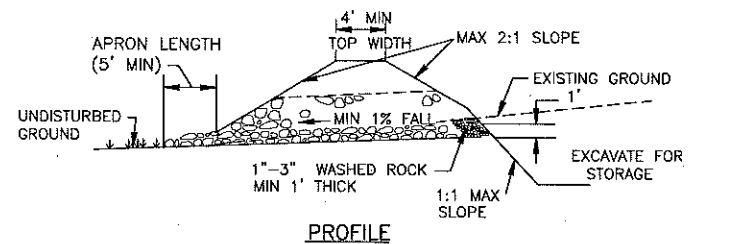
REVISIONS		
No.	Item	Date
Copyright CIVIL DESIGN CONSULTANTS, INC. 2008		
Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT	
Drawn: CL / LB	STAGECOACH RESERVOIR ENLARGEMENT	
Designed: CL / DB	DETAILS	
Scale: As Noted	CONSTRUCTION DRAWING	
Civil Design Consultants, Inc. Engineers and Planners First Financial Center, 2145 Resort Drive, Suite 100 Steamboat Springs, CO 80487 Tel (970) 879-3022 • Fax (970) 879-3028		
SHEET NO. C-500		PROJECT NO. 1526.004T



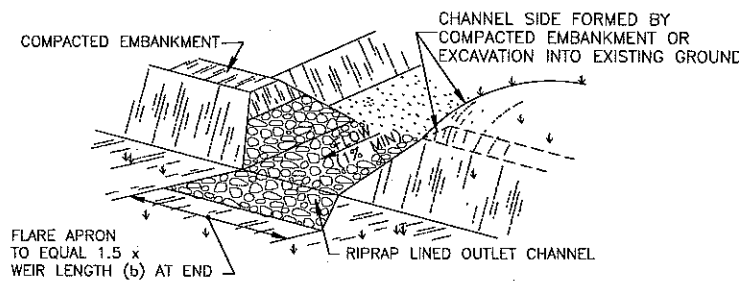
GRASS SWALE SEDIMENTATION FACILITY CROSS SECTION
NOT TO SCALE



CROSS SECTION



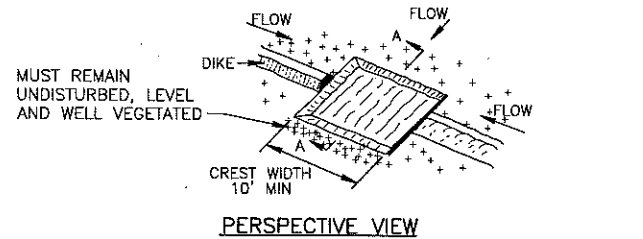
PROFILE



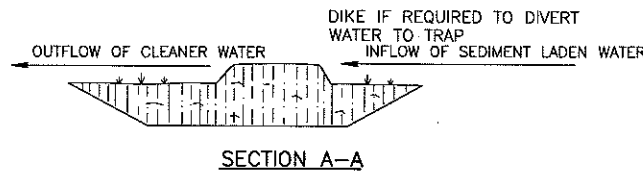
PERSPECTIVE VIEW

RIPRAP OUTLET SEDIMENT TRAP

TEMPORARY SEDIMENT TRAP
NOT TO SCALE



PERSPECTIVE VIEW

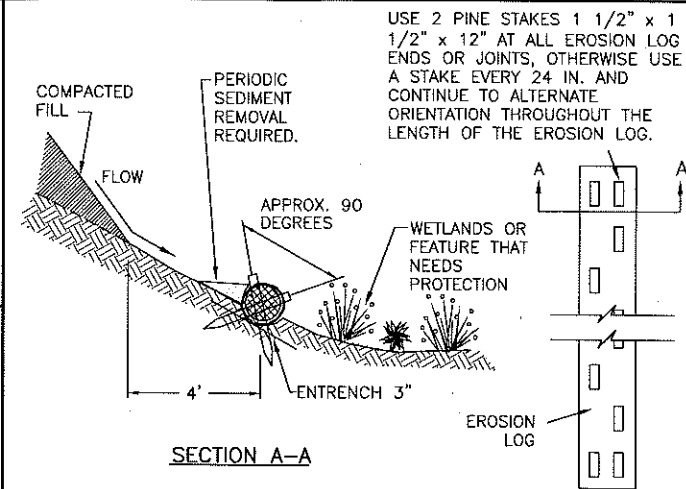


SECTION A-A

GRASS OUTLET SEDIMENT TRAP

NOTES

1. THE VOLUME OF SEDIMENT STORAGE SHALL BE 1800 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE AREA.
2. EITHER TRAP OPTION MAY BE USED, DEPENDING UPON SITE SPECIFIC CONDITIONS.
3. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
4. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
5. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
6. THE SEDIMENT TRAP SHALL BE REMOVED AND AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
7. ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.



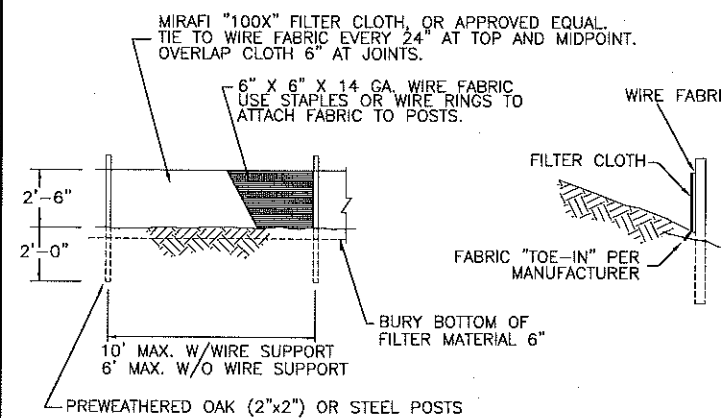
NOTES

1. EROSION LOG SHALL BE A MINIMUM OF 9" DIAMETER

SECTION A-A

PLAN VIEW- TYPICAL
STAKING PATERN

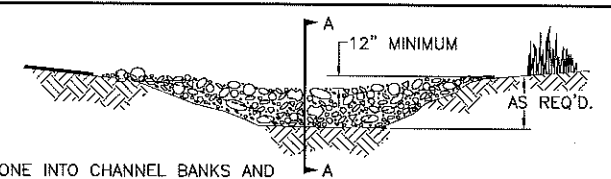
EROSION LOG
NOT TO SCALE



NOTES

1. MIRAFI "ENVIROFENCE" OR OTHER APPROVED EQUAL MAY BE SUBSTITUTED AS A PREASSEMBLED INSTALLATION.
2. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1 FT. DEPTH.

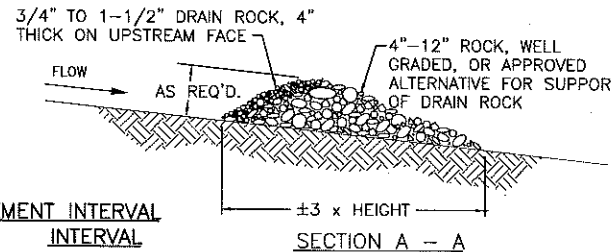
SILT FENCE
NOT TO SCALE



NOTES

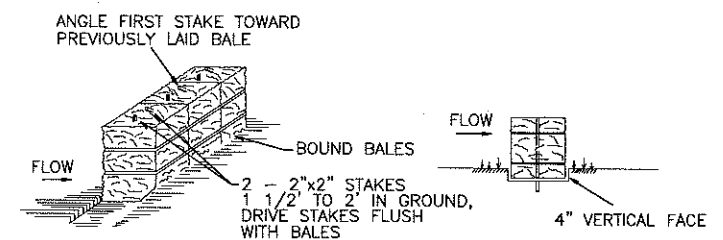
1. KEY STONE INTO CHANNEL BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 12", OR AS CONDITIONS PERMIT, TO PREVENT FLOW AROUND DAM.
2. TOP OF DAM AT SHOULDER MUST BE LOWER THAN ADJACENT GROUND.

VIEW LOOKING UPSTREAM



PLACEMENT INTERVAL
GRADE INTERVAL

ROCK CHECK DAM
NOT TO SCALE



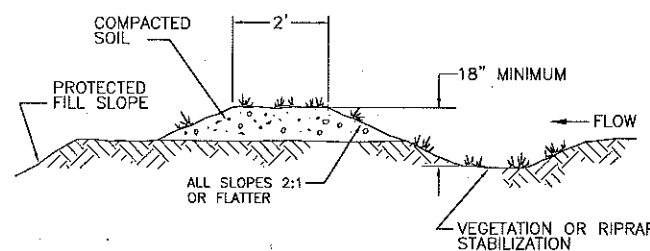
ANCHORING DETAIL

BEDDING DETAIL

NOTES

1. BALES SHALL BE PLACED AT THE LOCATIONS SHOWN, AS A MINIMUM. BALE ENDS AND SIDES SHALL TIGHTLY ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES AND PLACED SO THAT THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY TWO STAKES DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. BALES SHALL BE REMOVED WHEN THEY HAVE OUTLIVED THEIR USEFULNESS, BUT NO SOONER THAN AFTER (1) SPRINGTIME RUNOFF SEASON.

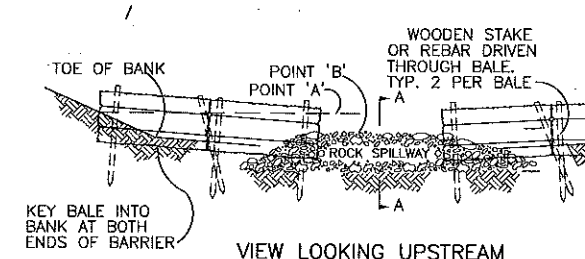
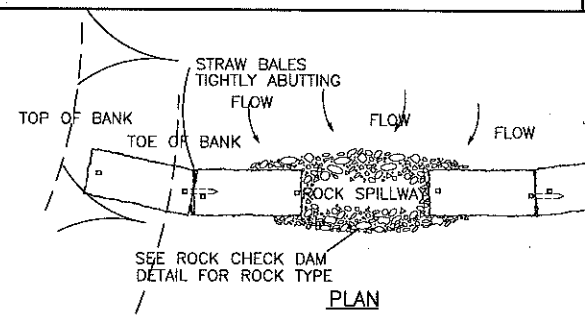
STRAW BALE DIKE
NOT TO SCALE



NOTES

1. THE CHANNEL BEHIND THE DIKE SHALL HAVE POSITIVE GRADE TO A STABILIZED OUTLET.
2. THE DIKE SHALL BE ADEQUATELY COMPACTED TO PREVENT FAILURE.
3. THE DIKE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING OR RIPRAP.

TEMPORARY DIVERSION DIKE
NOT TO SCALE



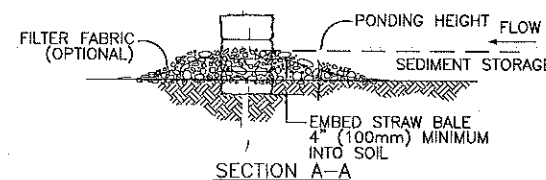
VIEW LOOKING UPSTREAM

SEMI-PERVIOUS STRAW BALE SEDIMENT BARRIER

NOT TO SCALE

NOTES

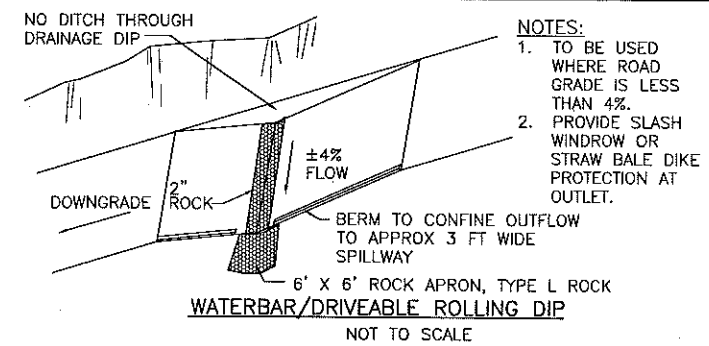
1. PLACE BALES PERPENDICULAR TO FLOW.
2. EMBED THE BALE 4" (100mm) INTO THE SOIL AND "KEY" THE END BALES INTO THE CHANNEL BANKS TO PREVENT FLOW AROUND THE BALES.
3. BALES PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING.
4. POINT "A" SHALL BE HIGHER THAN POINT "B".
5. SPILLWAY HEIGHT SHALL NOT EXCEED 24" (0.6m).



SECTION A-A

REVISIONS

No.	Item	Date



Date: 31 JAN 08

Drawn: RM

Designed: BF

Reviewed: ZZZ

Copyright CIVIL DESIGN CONSULTANTS, INC. 2008

UPPER YAMPA WATER
CONSERVANCY DISTRICT

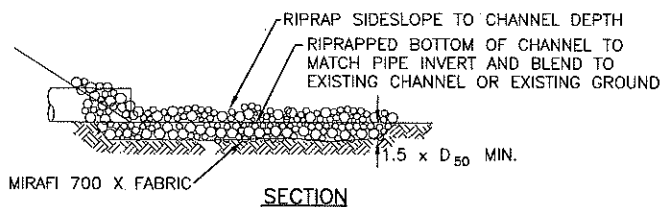
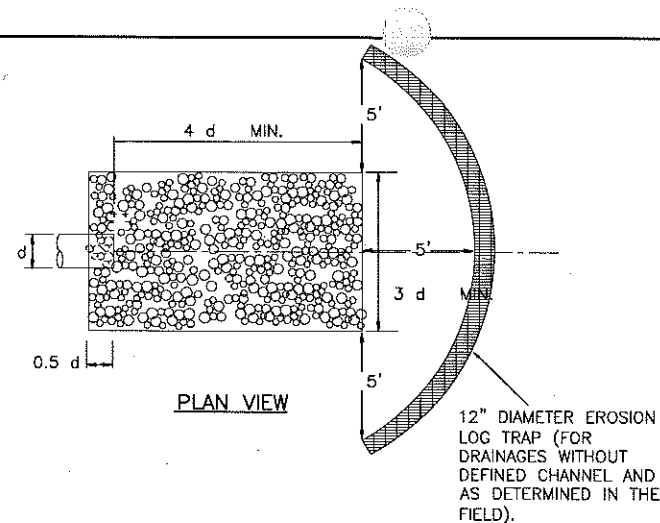
STAGECOACH RESERVOIR ENLARGEMENT

EROSION &
SEDIMENT CONTROL DETAILS
CONSTRUCTION DRAWING

Civil Design Consultants, Inc.
Engineers and Planners

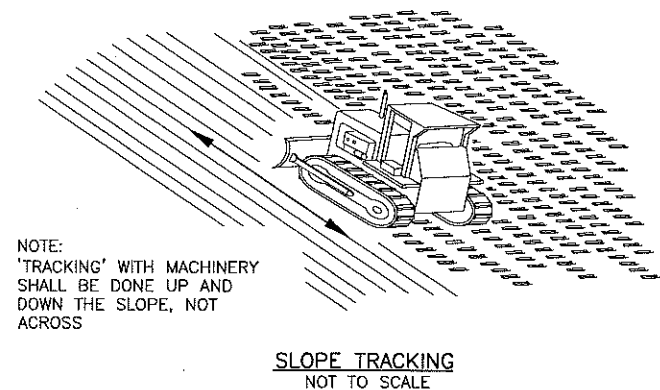
First Financial Center, 2145 Resort Drive, Suite 100
Steamboat Springs, CO 80487
Tel (970) 879-3022 • Fax (970) 879-3028

SHEET NO. C-501 PROJECT NO. 1526.004T

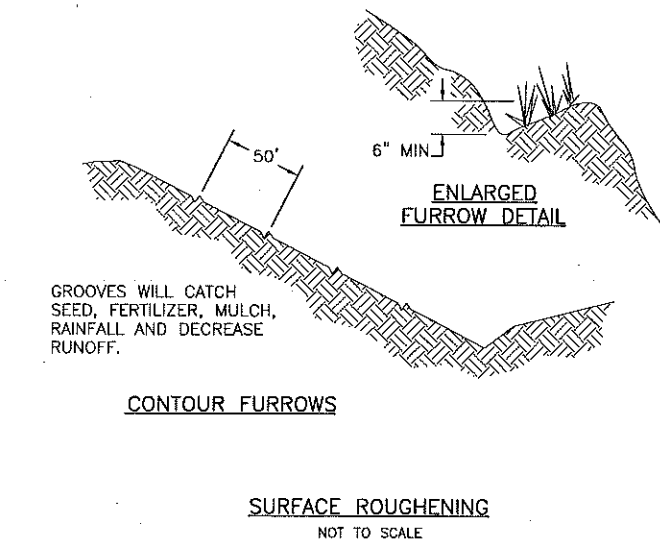


- NOTES:**
1. RIPRAP $D_{50} = 6"$ (DRAINAGES WITH 18" OR SMALLER CULVERTS)
 2. RIPRAP $D_{50} = 12"$ (DRAINAGES WITH CULVERTS LARGER THAN 18")

CULVERT DISCHARGE ROCK APRON
NOT TO SCALE

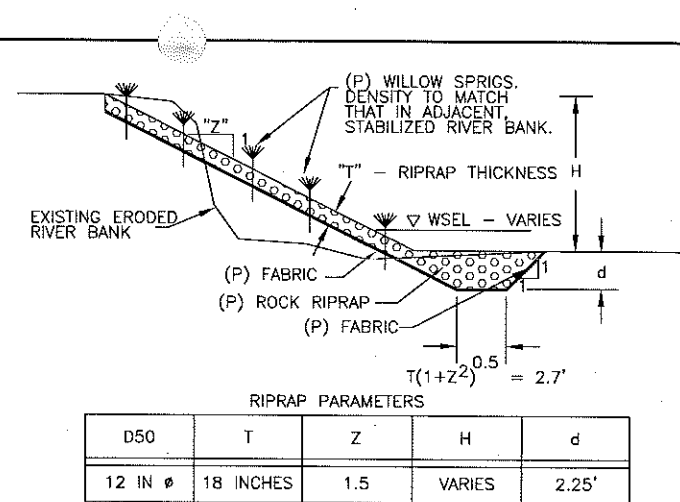


SLOPE TRACKING
NOT TO SCALE



CONTOUR FURROWS

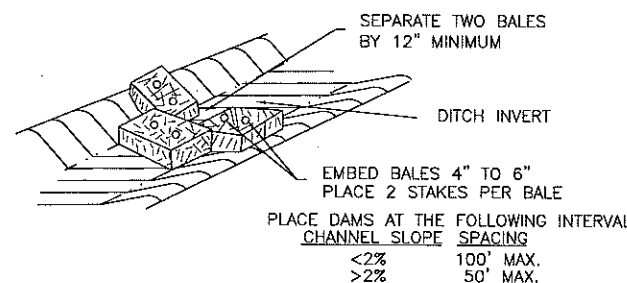
SURFACE ROUGHENING
NOT TO SCALE



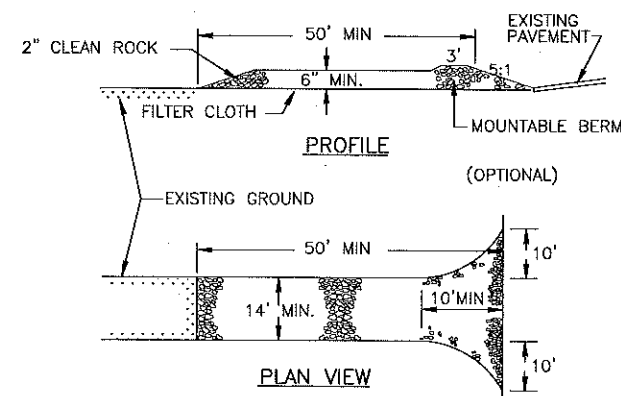
RIPRAP PARAMETERS

D50	T	Z	H	d
12 IN Ø	18 INCHES	1.5	VARIES	2.25'

TYPICAL BANK STABILIZATION
NOT TO SCALE

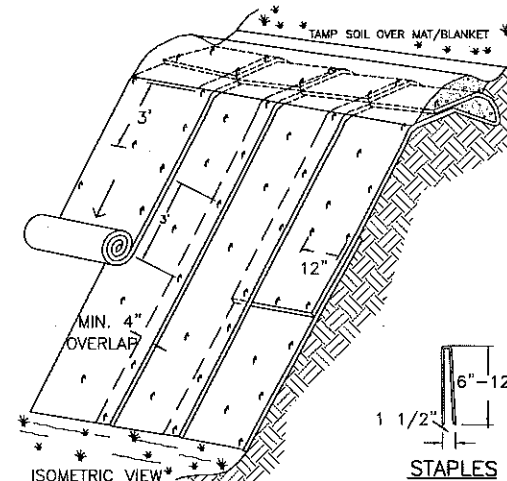


HAY CHECK DAM
NOT TO SCALE



- NOTES**
1. PLACE FILTER CLOTH OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 2. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

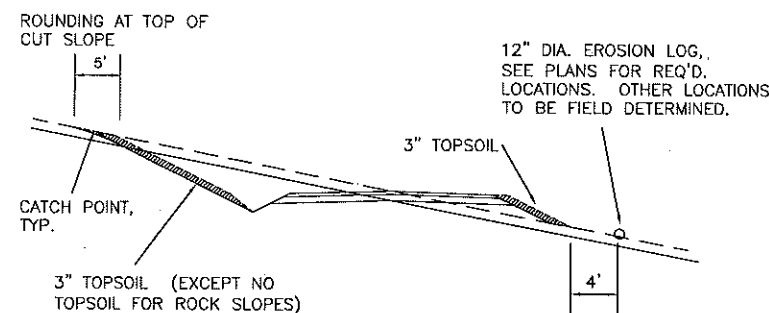
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



TYPICAL SLOPE SOIL STABILIZATION

- NOTES:**
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 2. INSTALL BLANKETS/MATS VERTICALLY DOWNSLOPE.
 3. LAY BLANKETS/MATS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 4. SEE SPECIFICATIONS FOR BLANKET OR MAT TYPE.
 5. DETAIL SHOWS TYPICAL MINIMUM REQUIREMENTS. STAKING OR STAPLING LAYOUT TO BE PER MANUFACTURERS SPECIFICATIONS.

EROSION CONTROL BLANKETS / TURF REINFORCEMENT MATS SLOPE INSTALLATION
NOT TO SCALE

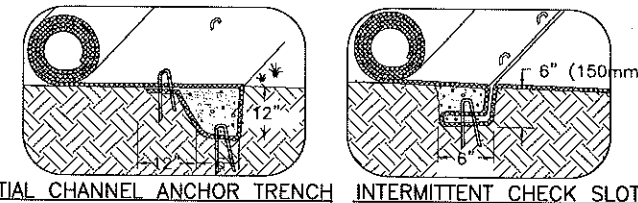
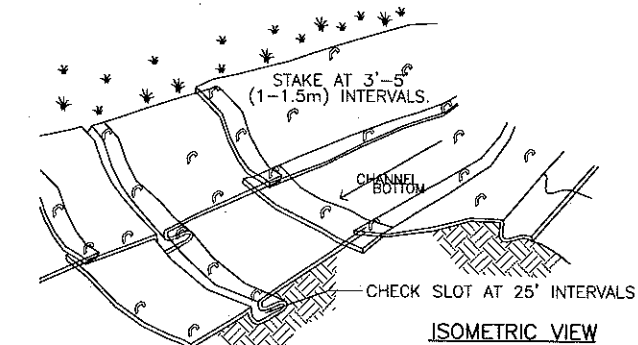
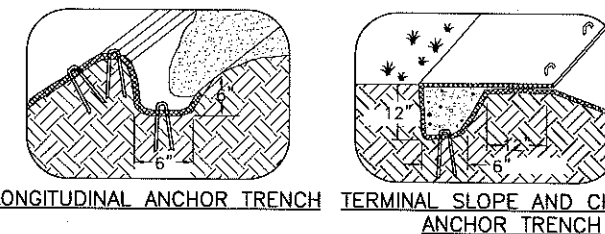


- NOTES:**
1. SEE SPECIFICATIONS FOR REVEGETATION REQUIREMENTS AND TEMPORARY SLOPE STABILIZATIONS MEASURES.
 2. CUT AND FILL SLOPES TO BE IN A ROUGHENED CONDITION PRIOR TO TOPSOILING AND REVEGETATION. TEMPORARY SLOPE STABILIZATION MAY BE REQUIRED AT ANY TIME PRIOR TO FINAL REVEGETATION ACCEPTANCE.

TYPICAL EROSION AND SEDIMENT CONTROL TREATMENT ON SLOPES
NOT TO SCALE

REVISIONS

No.	Item	Date



- NOTES:**
1. CHECK SLOTS & OVERLAPS TO BE CONSTRUCTED PER MANUFACTURERS SPECIFICATIONS.
 2. STAKING OR STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.

EROSION BLANKETS / TURF REINFORCEMENT MATS CHANNEL INSTALLATION
NOT TO SCALE

Date: 31 JAN 08	UPPER YAMPA WATER CONSERVANCY DISTRICT
Drawn: RM	STAGECOACH RESERVOIR ENLARGEMENT
Designed: BF	EROSION & SEDIMENT CONTROL DETAILS
Reviewed: ZZZ	CONSTRUCTION DRAWING
	Civil Design Consultants, Inc.
	Engineers and Planners
	First Financial Center, 2145 Resort Drive, Suite 100
	Steamboat Springs, CO 80487
	Tel (970) 879-3022 • Fax (970) 879-3028
SHEET NO. C-502	PROJECT NO. 1526.004T