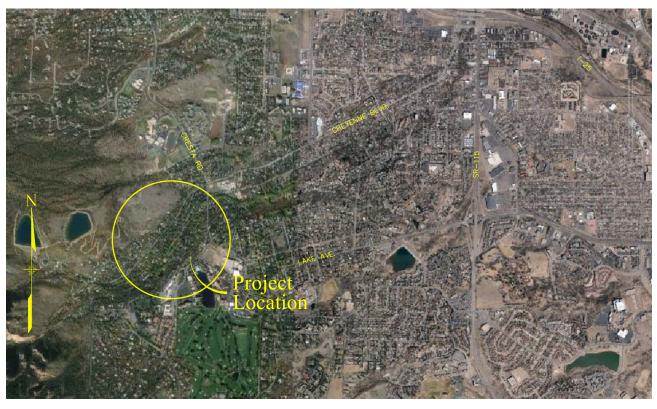


# COALITION FOR THE UPPER SOUTH PLATTE CHEYENNE CREEK STABILIZATION POST FLOOD - MAYHURST AVE. TO SCOTT ST.

### MATRIX PROJECT No. 14.642.004.000



VICINITY MAP



**LOCATION MAP** 

### SHEET INDEX

TS01	TITLE SHEET	1
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### **APPROVED**

THE ELEVATIONS FOR THIS PROJECT ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1929" (NAVD 29) AND THE 1960 SUPPLEMENTARY ADJUSTMENT. THIS VERTICAL DATUM WAS REFERENCED BY USING NGS CONTROL POINT "FIMS—F183", BEING A 3.5" BRASS CAP, FOUND IN A ROCK OUTCROP, WHICH IS ALONG A FOOT TRAIL RUNNING NEAR THE TOP OF A RIDGE, SOUTH OF A CITY PARKS AND RECREATION DEPARTMENT DIRT ROAD, HAVING A PUBLISHED ELEVATION OF 6379.4 FEET.

DRAWINGS				
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### Coalition for the Upper South Platte

CHEYENNE CREEK STABILIZATION POST FLOOD - MAYHURST AVE. TO SCOTT ST.

TS01 - TITLE SHEET

1 of 8

DESIGNED BY:	GT	SCALE		DATE ISSUED: MAY 2014	Γ
DRAWN BY:	JJM	HORIZ:	N/A		ł
CHECKED BY:	BH	VERT:	N/A	MDG PROJECT NO.: 14.642.004.000	l



### **GENERAL NOTES:**

- 1. THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR TO CALL FOR UTILITY LOCATOR AT LEAST 2 BUSINESS DAYS BEFORE EXCAVATION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES. IN THE EVENT THAT THE CONTRACTOR UTILITY VERIFICATION RESULTS IN EXISTING STRUCTURES OR UTILITIES BEING IN CONFLICT WITH THE PROPOSED WORK OF THIS CONTRACT, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE OWNER AND COORDINATE ANY NEEDED MODIFICATIONS TO THE PROPOSED WORK.
- 2. BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED UTILITY OWNERS TO ESTABLISH THE REQUIREMENTS AND METHODS TO ACCOMMODATE THE PROTECTION, TEMPORARY SUPPORT, ADJUSTMENT OR RELOCATION OF UTILITIES.
- 3. OVERHEAD UTILITIES ARE NOT INDICATED ON PROFILE OR SECTION DRAWINGS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING IN CONTINUOUS OPERATION, ALL EXISTING STRUCTURES. NOT ALL POTENTIALLY IMPACTED STRUCTURES MAY BE SHOWN ON THE DRAWINGS AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND PROTECT ALL STRUCTURES INCLUDING BUT NOT LIMITED TO STREETS, CURB AND GUTTER, BRIDGE PIERS AND ABUTMENTS, CREEK BANK PROTECTION OF VARIOUS TYPES, CREEK DROP STRUCTURES, SIGNS, PEDESTRIAN WALKS, RETAINING WALLS AND FENCING. IN THE EVENT THAT A STRUCTURE OR UTILITY IS DAMAGED DURING CONSTRUCTION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND MAKE REPAIRS IN ACCORDANCE WITH THE OWNER'S REQUIREMENTS.
- 5. THE CONTRACTOR SHALL CONFIRM THE RECEIPT OF ALL NECESSARY PERMITS AND APPROVALS BEFORE THE START OF CONSTRUCTION.
- 6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF COLORADO SPRINGS ENGINEERING DIVISION STANDARD SPECIFICATIONS UNLESS SPECIFICALLY DETAILED OTHERWISE ON THESE PLANS AND ASSOCIATED SPECIFICATIONS. ANY ELEMENT OF CONSTRUCTION WHICH IS NOT ADDRESSED EITHER BY THESE PLANS AND SPECIFICATIONS SHALL CONFORM TO CITY OF COLORADO SPRINGS ENGINEERING DIVISION STANDARD SPECIFICATIONS.
- 7. THE CONTRACTOR SHALL MAINTAIN AT THE SITE AT ALL TIMES ONE SIGNED COPY OF THE PROJECT DRAWINGS AND SPECIFICATIONS, ONE COPY OF CITY OF COLORADO SPRINGS STANDARD SPECIFICATIONS AND ONE COPY OF ALL REQUIRED PERMITS.
- 8. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A WAY THAT THE AREA OF DISTURBANCE IS MINIMIZED. ALL EXISTING TREES, SHRUBS AND VEGETATION SHALL BE PROTECTED UNLESS OTHERWISE NOTED ON THE DRAWINGS. NO TREES SHALL BE REMOVED WITHOUT APPROVAL OF THE OWNER AND CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL VEGETATION AT THE CHANNEL EDGE.
- 9. FOR ALL SITE GRADING, SMOOTH, PARABOLIC TRANSITIONS SHALL BE MADE BETWEEN CHANGES IN SLOPE.
- 10. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF PROPERTY ABUTTING OR AFFECTED BY THE CONSTRUCTION OF THIS PROJECT ADVANCE WRITTEN NOTICE PRIOR TO THE START OF CONSTRUCTION.
- 11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING STABLE EXCAVATIONS AND TEMPORARY SLOPES AND FOR SATISFYING ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
- 12. CONSTRUCTION OF THE PROPOSED WORK WILL TAKE PLACE WITHIN THE CHANNEL AND WATER CONTROL MEASURES WILL BE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE AND CONTROL OF DRAINAGE WATER FROM AREAS ADJACENT TO THE CREEK AND FOR FLOW WITHIN THE CREEK AND ITS TRIBUTARIES INCLUDING STORMWATER OUTFALLS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ESTABLISHING MEANS AND METHODS OF GROUND AND SURFACE WATER CONTROL APPROPRIATE FOR CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT DRAWINGS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ALL PERMITS
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT DRAWINGS TO BE SUBMITTED TO THE OWNER.
- 14. THE CONTRACTOR SHALL PREPARE AND MAINTAIN THE STORMWATER MANAGEMENT PLAN AND OBTAIN THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THROUGH THE COLORADO DEPARTMENT OF PUBLIC HEALTH (CDPHE).
- 15. THE CONTRACTOR SHALL PROVIDE DAILY ON-SITE SURVEY CONTROL
- 16. CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS ACCORDING TO THESE PLANS.

REFERENCE DRAWINGS				
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### **ABBREVIATIONS**

 DIA
 DIAMETER

 ELEV
 ELEVATION

 FT
 FEET

 O.C.
 ON CENTER

 REG
 REGULATIONS

 MIN
 MINIMUM

 MAX
 MAXIMUM

HORIZ HORIZONTAL
VERT VERTICAL
NTS NOT TO SCALE
TYP TYPICAL
L.O.C. LIMITS OF CONSTRUCTION

### **LEGEND**

EXISTING CONTOURS

PROPOSED CONTOURS

LIMITS OF CONSTRUCTION

CONSTRUCTION ACCESS ROAD

PROTECT EXISTING VEGETATION

WILLOW STAKES

EXISTING FENCE

-- -- EXISTING FENCE

- - - - - - - - - - - - - - - - EXISTING VEHICLE SERVICE ROAD

Coalition for the Upper South Platte

CHEYENNE CREEK STABILIZATION POST FLOOD - MAYHURST AVE. TO SCOTT ST.

GN01 - GENERAL NOTES

2 of 8

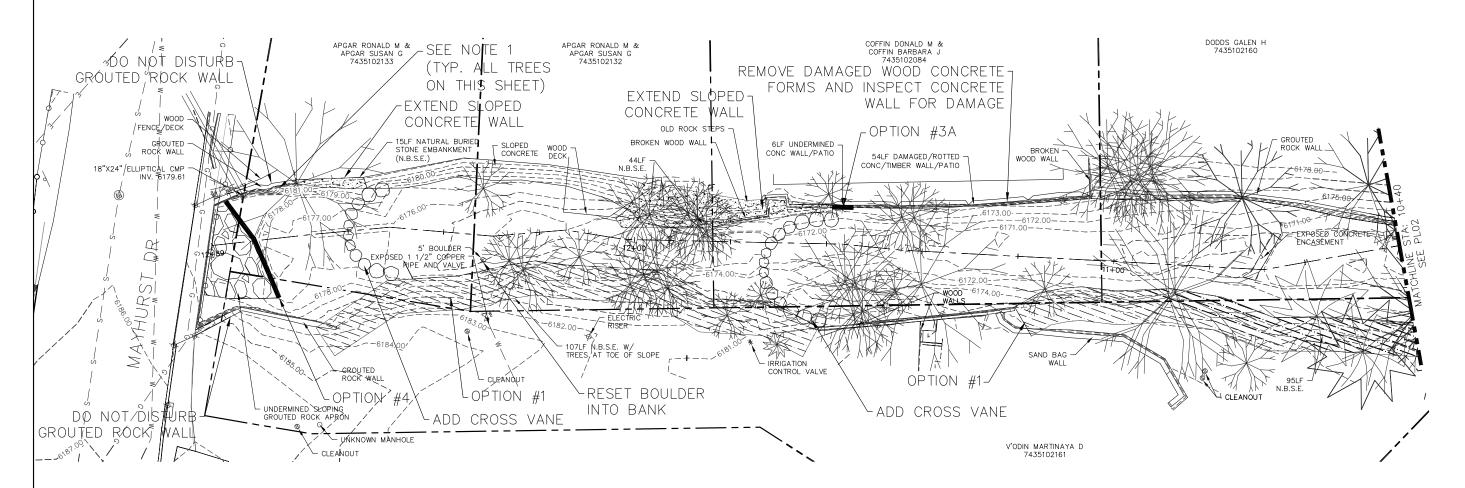


NOTES

1. TREES RECOMMENDED FOR REMOVAL WITHIN CREEK BED TO BE CUT TO GROUND LEVEL. TREES ALONG BANK TO BE EVALUATED BY COALITION FOR THE UPPER SOUTH PLATTE (CUSP) TO DETERMINE IF CONFLICT WITH REPAIR, TREE WILL BE REMOVED ACCORDING TO METHOD PREFERRED BY CUSP.

2. CONTRACTOR TO REMOVE SANDBAGS FOR CUSP/ENGINEER TO INSPECT DAMAGE AND TO DETERMINE APPROPRIATE REPAIR.





| REFERENCE<br>DRAWINGS |        |               |   |    |
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**CHEYENNE CREEK STABILIZATION** POST FLOOD - MAYHURST AVE. TO SCOTT ST.

> PL01 - PLAN & PROFILE STA: 10+40 - 12+89

| ESIGNED BY: | GT  | SCALE  |     | DATE ISSUED: MAY 20 | 014           |      |   |
|-------------|-----|--------|-----|---------------------|---------------|------|---|
| RAWN BY:    | JJM | HORIZ: | N/A |                     |               | 3 of | 8 |
| HECKED BY:  | BH  | VERT:  | N/A | MDG PROJECT NO.: 14 | 4.642.004.000 |      | _ |



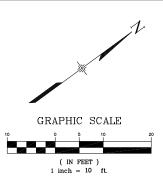
- NOTES

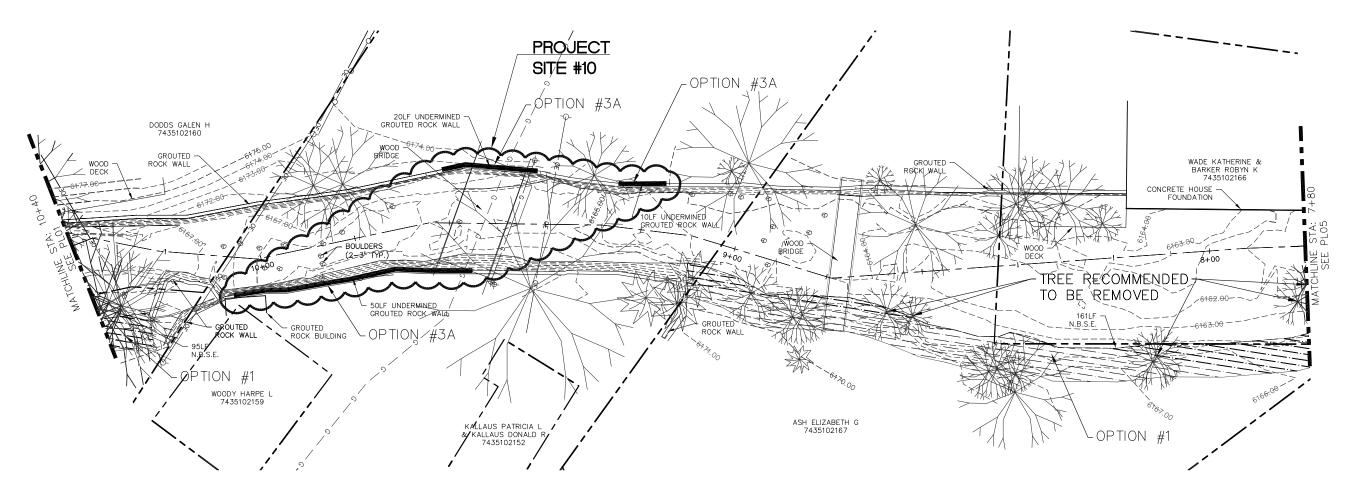
  1. TREES RECOMMENDED FOR REMOVAL WITHIN CREEK BED TO BE CUT TO GROUND LEVEL.

  TREES ALONG BANK TO BE EVALUATED BY COALITION FOR THE UPPER SOUTH PLATTE (CUSP)

  TO DETERMINE IF CONFLICT WITH REPAIR. IF CUSP DETERMINES TREE TO BE IN CONFLICT WITH

  REPAIR, TREE WILL BE REMOVED ACCORDING TO METHOD PREFERRED BY CUSP.
- CONTRACTOR TO REMOVE SANDBAGS FOR CUSP/ENGINEER TO INSPECT DAMAGE AND TO DETERMINE APPROPRIATE REPAIR.





| REFERENCE<br>DRAWINGS |        |               |   |    |
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## Coalition for the Upper South Platte

CHEYENNE CREEK STABILIZATION POST FLOOD - MAYHURST AVE. TO SCOTT ST.

PL02 - PLAN & PROFILE STA: 7+80 - 10+40

| DESIGNED BY: | GT  | SCALE  |     | DATE ISSUED: MAY 2014           |        |
|--------------|-----|--------|-----|---------------------------------|--------|
| DRAWN BY:    | JJM | HORIZ: | N/A |                                 | 4 of 8 |
| CHECKED BY:  | BH  | VERT:  | N/A | MDG PROJECT NO.: 14.642.004.000 |        |



- NOTES

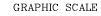
  1. TREES RECOMMENDED FOR REMOVAL WITHIN CREEK BED TO BE CUT TO GROUND LEVEL.

  TREES ALONG BANK TO BE EVALUATED BY COALITION FOR THE UPPER SOUTH PLATTE (CUSP)

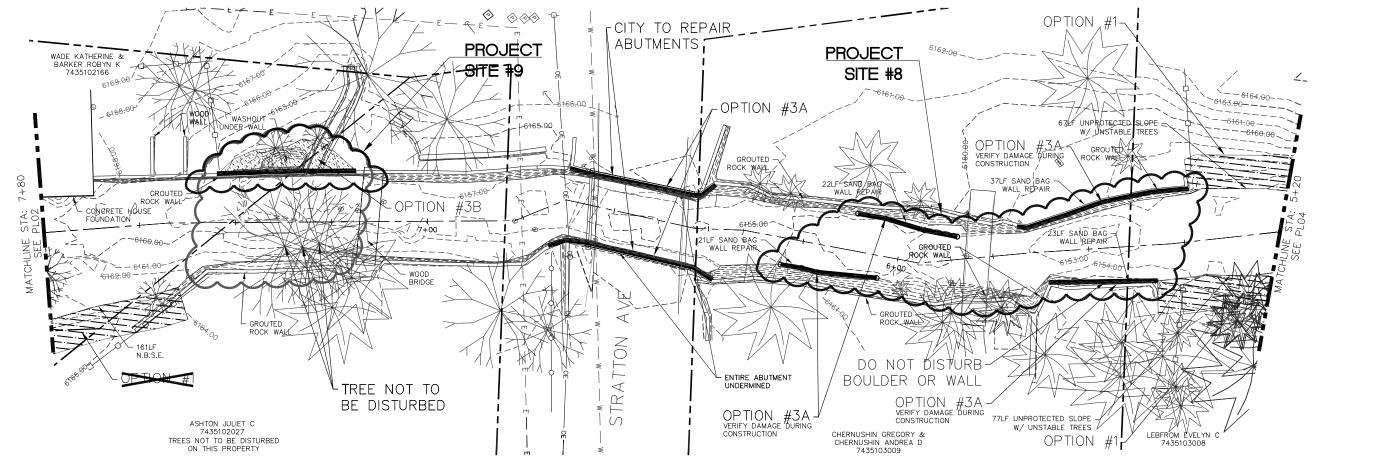
  TO DETERMINE IF CONFLICT WITH REPAIR. IF CUSP DETERMINES TREE TO BE IN CONFLICT WITH

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- 2. CONTRACTOR TO REMOVE SANDBAGS FOR CUSP/ENGINEER TO INSPECT DAMAGE AND TO DETERMINE APPROPRIATE REPAIR.









| REFERENCE<br>DRAWINGS |        |               |   |   |
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**CHEYENNE CREEK STABILIZATION** POST FLOOD - MAYHURST AVE. TO SCOTT ST.

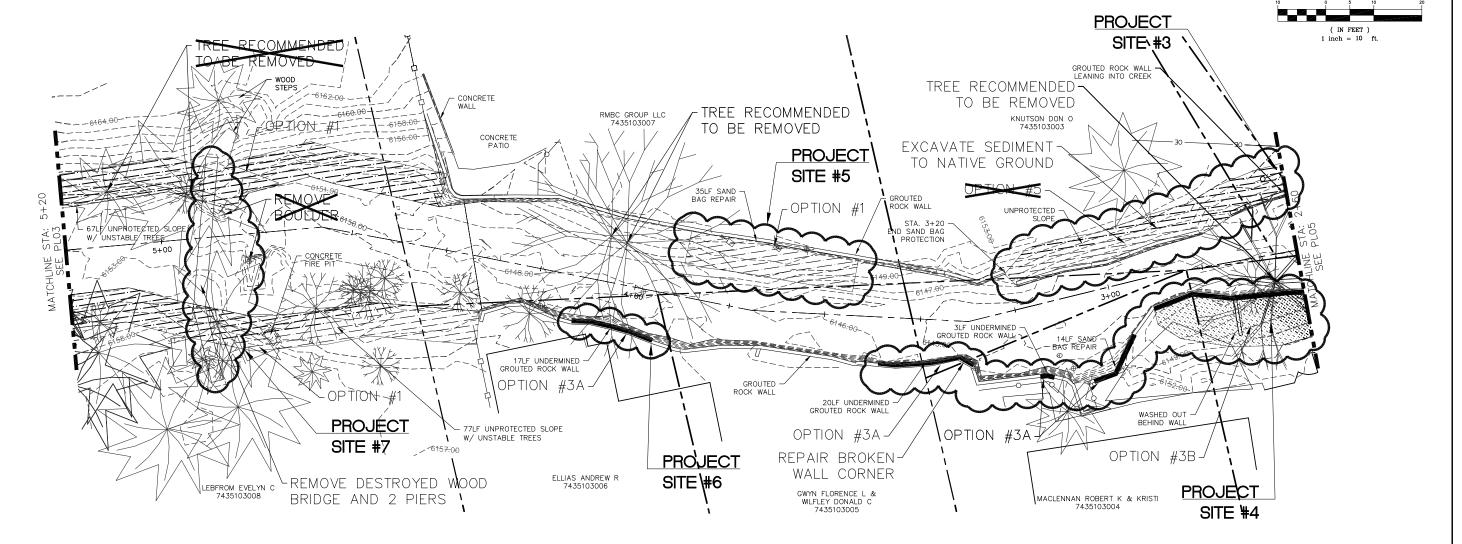
> PL03 - PLAN & PROFILE STA: 5+20 - 7+80

| DESIGNED BY: GT                 | SCALE           |            | DATE ISSUED: MAY 2014           |      |
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| DRAWN BY: JJM<br>CHECKED BY: BH | HORIZ:<br>VERT: | N/A<br>N/A | MDG PROJECT NO.: 14.642.004.000 | 5 of |
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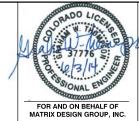


- NOTES

  1. TREES RECOMMENDED FOR REMOVAL WITHIN CREEK BED TO BE CUT TO GROUND LEVEL. TREES ALONG BANK TO BE EVALUATED BY COALITION FOR THE UPPER SOUTH PLATTE (CUSP) TO DETERMINE IF CONFLICT WITH REPAIR. IF CUSP DETERMINES TREE TO BE IN CONFLICT WITH REPAIR, TREE WILL BE REMOVED ACCORDING TO METHOD PREFERRED BY CUSP.
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| REFERENCE<br>DRAWINGS |        |               |  |    |
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## Coalition for the Upper South Platte

GRAPHIC SCALE

**CHEYENNE CREEK STABILIZATION** POST FLOOD - MAYHURST AVE. TO SCOTT ST.

> PL04 - PLAN & PROFILE STA: 2+60 - 5+20

| SIGNED BY: GT               | SCALE           |            | DATE ISSUED: MAY 2014           |        |
|-----------------------------|-----------------|------------|---------------------------------|--------|
| AWN BY: JJM<br>ECKED BY: BH | HORIZ:<br>VERT: | N/A<br>N/A | MDG PROJECT NO.: 14.642.004.000 | 6 of 8 |



NOTES

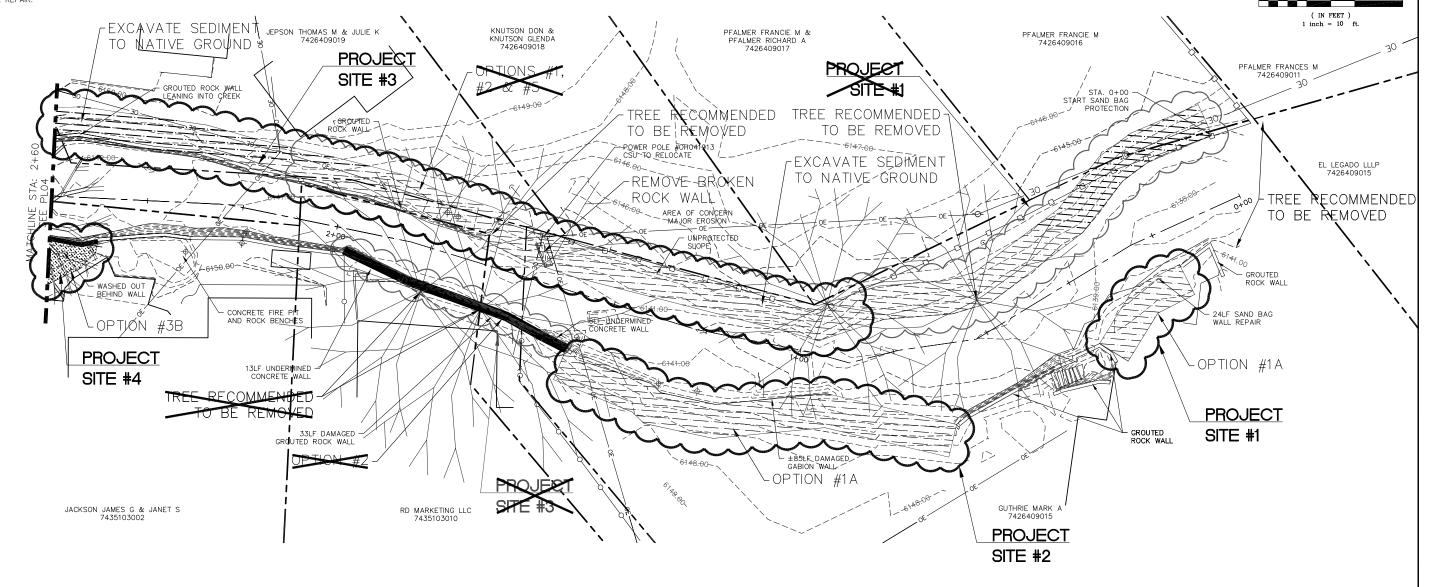
1. TREES RECOMMENDED FOR REMOVAL WITHIN CREEK BED TO BE CUT TO GROUND LEVEL.

TREES ALONG BANK TO BE EVALUATED BY COALITION FOR THE UPPER SOUTH PLATTE (CUSP)

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2. CONTRACTOR TO REMOVE SANDBAGS FOR CUSP/ENGINEER TO INSPECT DAMAGE AND TO DETERMINE APPROPRIATE REPAIR.



| REFERENCE<br>DRAWINGS |   |      |             |    |  |  |  |
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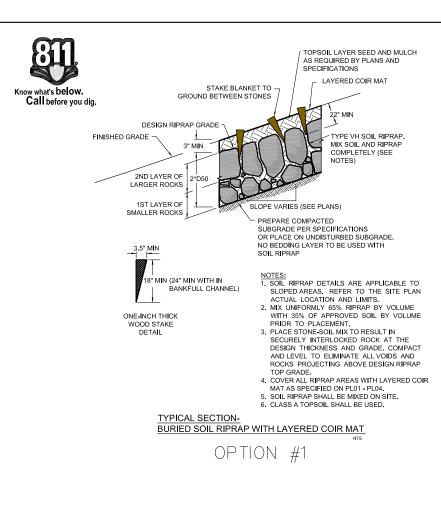
## Coalition for the Upper South Platte

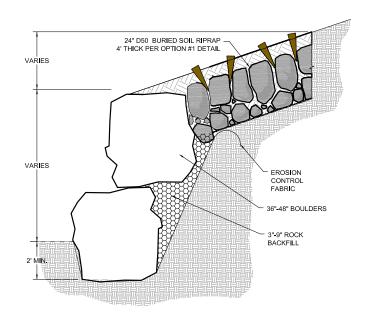
GRAPHIC SCALE

**CHEYENNE CREEK STABILIZATION** POST FLOOD - MAYHURST AVE. TO SCOTT ST.

> PL05 - PLAN & PROFILE STA: 0+00 - 2+60

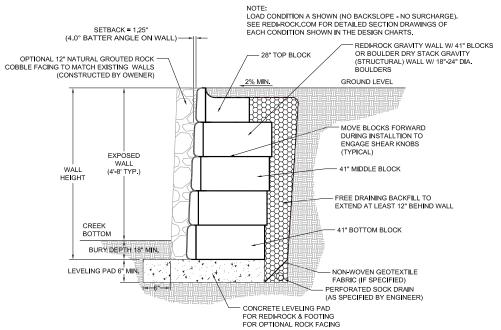
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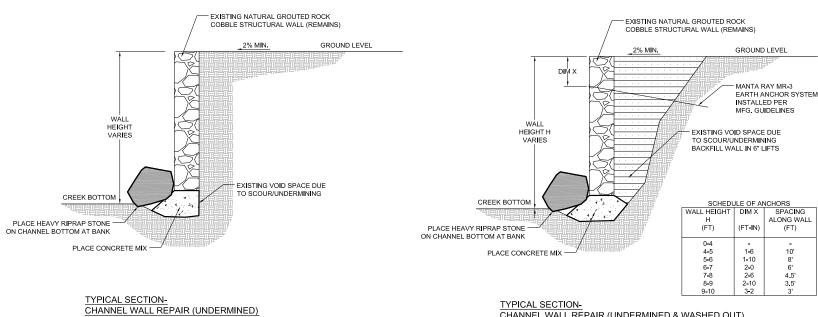
TYPICAL SECTION-BURIED SOIL RIPRAP W/ BOULDER TOE WALL

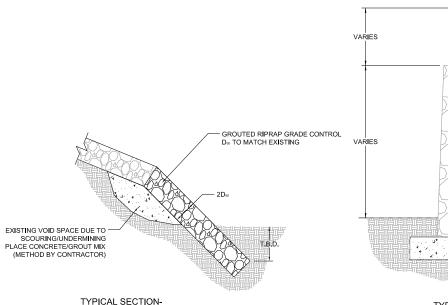
OPTION #1A



TYPICAL SECTION-REDI-ROCK GRAVITY WALL W/ 41" BLOCKS

OPTION #2





BURIED SOIL RIPRAP PER GRAVITY WALL PER OPTION #2 DETAIL

TYPICAL SECTION-GRADE CONTROL TOE DOWN REPAIR (UNDERMINED)

OPTION #4

GRAVITY WALL WITH BURIED SOIL RIPRAP OPTION #5

OPTION #3B

CHANNEL WALL REPAIR (UNDERMINED & WASHED OUT)

| REFERENCE |  |      |             |    |  |  |  |  |
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| DRAWINGS  |  |      |             |    |  |  |  |  |
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OPTION #3A





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## Coalition for the Upper South Platte

**CHEYENNE CREEK STABILIZATION** POST FLOOD - MAYHURST AVE. TO SCOTT ST.

DT01 - DETAILS

8 of 8

GT SCALE

JJM HORIZ:
BH VERT: DATE ISSUED: MAY 2014

MDG PROJECT NO.: 14.642.004.00