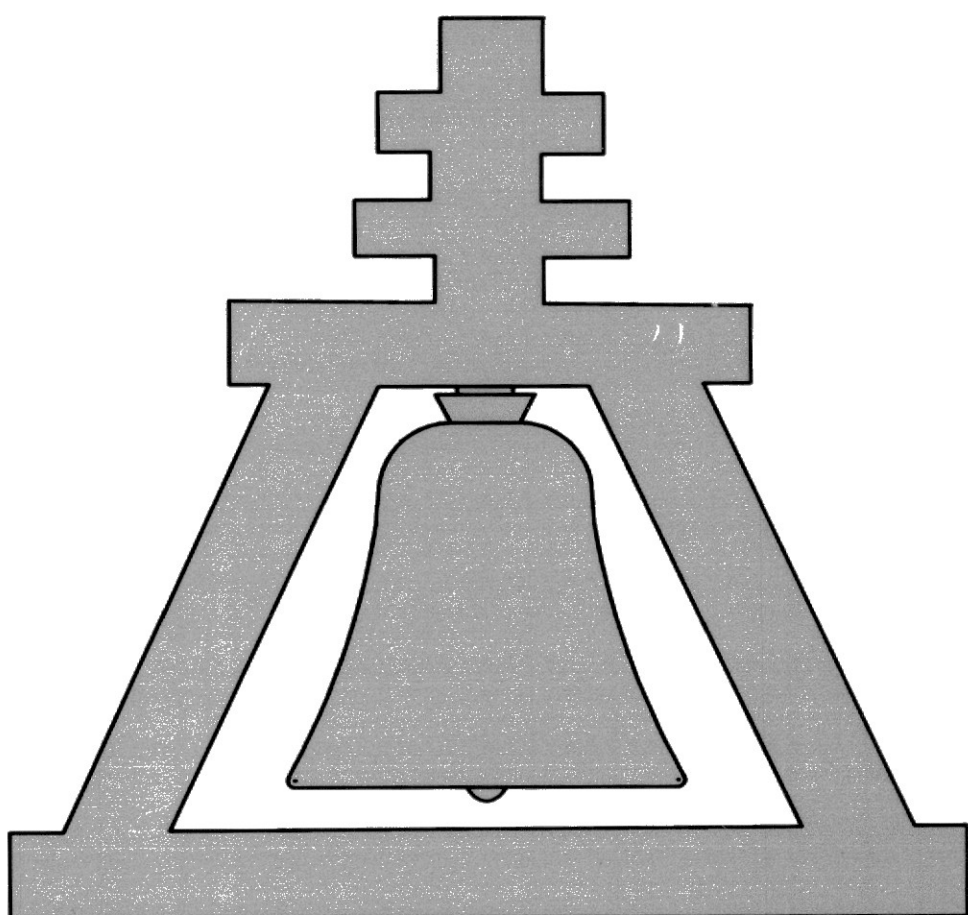


CENTRAL STORM WATER TREATMENT BASIN
COMMUNITY FACILITIES DISTRICT NO. 92-1
(SYCAMORE CANYON BUSINESS PARK)

CITY OF RIVERSIDE
STATE OF CALIFORNIA



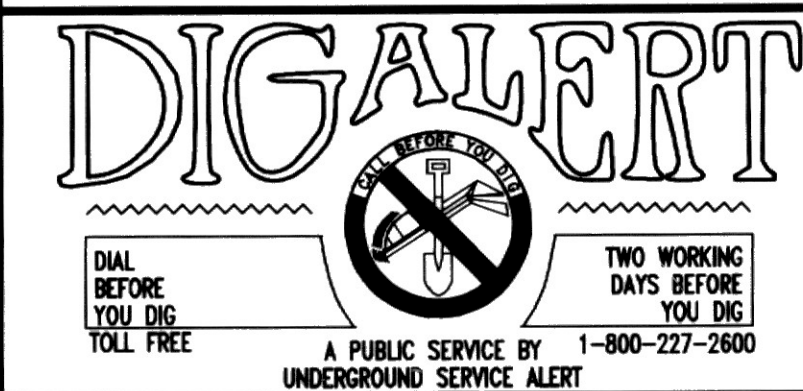
PREPARED BY
ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS

3788 McCRAY STREET
RIVERSIDE, CALIFORNIA 92506
(951) 686-1070

SHEET INDEX

| | |
|---------|------------------------|
| SHEET 1 | COVER SHEET |
| SHEET 2 | VICINITY MAP AND NOTES |
| SHEET 3 | GRADING PLAN |
| SHEET 4 | PLAN VIEW |
| SHEET 5 | DETAIL SHEET |
| SHEET 6 | DETAIL SHEET |

C:\2001\01-0322\CENTRAL BASIN.DWG S. PRO\01322\central1.dwg 3/23/15 JC



BENCH MARK "L1-A3"
P.K. NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET
LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE.
82 FEET WESTERLY OF BOX SPRING BLVD.
ADJUSTED AND ENTERED MAY 1997 ELEV.= 1534.311
ELEV.=1534.311
NGVD 29



ALBERT A. CIVIL ENGINEERS
WEBB ASSOCIATES
3788 McCRAY ST.
RIVERSIDE, CA. 92506
PH: (951) 686-1070
FAX: (951) 788-1256
APPROVED BY: *[Signature]* DATE: 2-6-13
R.C.E. NO. C44762

W.O. 01-0322 FOR: THE CITY OF RIVERSIDE

| | | | |
|-----------------|-------------|-------|---------|
| MARK | REVISIONS | APPR. | DATE |
| DESIGNED BY: TD | CHECKED BY: | PLN | CHK REF |

| CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT | | | |
|--|--------------------|--------|--------------------------|
| APPROVED BY | BY | DATE | APPROVED BY |
| PRINCIPAL ENGINEER | <i>[Signature]</i> | 2/2/13 | |
| PARK DEPARTMENT | | | |
| TRAFFIC DIVISION | | | |
| DEPUTY P.W. DIRECTOR | | | |
| <i>[Signature]</i> | | 2/2/13 | DIRECTOR OF PUBLIC WORKS |
| | | | DATE |

| CONSTRUCTION PLAN |
|--|
| SYCAMORE CANYON BUSINESS PARK CENTRAL STORM WATER TREATMENT BASIN COVER SHEET |
| SCALE: AS SHOWN |

| |
|-------------------------------|
| ACCOUNT NO. |
| DRAWING NUMBER |
| D-871 |
| SHEET 1 OF 6 |
| 01322CENTRAL MARSH WGB.PRO |

ACCORDING TO INFORMATION PROVIDED BY UNDERGROUND SERVICE ALERT (U.S.A.) DATED DECEMBER 07 2001, THE FOLLOWING ORGANIZATIONS ARE U.S.A. MEMBERS WITHIN THE PROJECT AREA:

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS AND ARE APPROXIMATE. NEITHER THE CITY NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

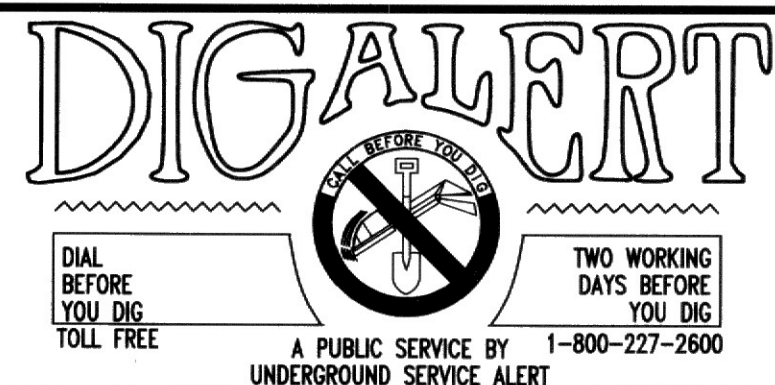
THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

[illegible]

NOT TO SCALE

- 1 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE,
2 DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES
3 AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- 4 THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR
5 ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE
6 EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE
7 ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE
8 SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- 9 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING OR RE-
10 ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED
11 OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- 12 ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING
13 CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS
14 AFTER NOTIFICATION FROM THE CITY INSPECTORS.
- 15 THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND
16 SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS
17 BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE
18 PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND
19 FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY
20 IDENTIFICATION NUMBER BY U.S.A.
- 21 CONTRACTOR IS TO VERIFY EXISTING GAS, SEWER AND WATER ELEVATIONS IN
22 SYCAMORE CANYON BLVD. PRIOR TO CONSTRUCTION.
- 23 BEFORE THE RIP RAP AT THE OUTLET OF ANY DRAINAGE STRUCTURE IS ACCEPTED,
24 IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS
25 WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.
- 26 PIPE BEDDING TO BE CASE II PER CITY OF RIVERSIDE STD. NO. 452.
- 27 NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS
28 WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE
29 WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN
30 ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
- 31 ALL MANUFACTURED SLOPES TO BE PLANTED WITH AN INTERIM EROSION CONTROL
32 GROUND COVER. SPECIFICATION: 49 POUNDS PER ACRE CHAPARRAL SAGE SCRUB MIX
33 AND SEEDED IN SLOPES ARE CREATED BY CUT OR FILL ACTIVITY.
34 THE SEEDED SLOPE IS TO BE GENTLY WATERED BY FREQUENT PASSES OF THE WATER
35 TRUCK SO THAT 2 INCHES OF SOIL DEPTH IS MOISTENED. THE SOIL MOISTURE IS
36 TO BE MAINTAINED FOR THREE WEEKS UNTIL THE GRASS REACHES 1.5 INCHES, THEN
37 WATERING SHALL BE TERMINATED.
- 38 CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL
39 DURING CONSTRUCTION OPERATIONS. IT IS CONTRACTOR'S RESPONSIBILITY TO ENSURE
40 THAT ADEQUATE COMPACTION HAS BEEN ATTAINED ON THE ENTIRE GRADING SITE.

- ① CONSTRUCT AGGREGATE ROCK FILTER (68 CY)
WRAPPED WITH FILTER FABRIC PER DETAIL A-A ON SHEET 5
(593 CY COARSE SAND OVERLAYS THE ENTIRE BASIN)
- ② CONSTRUCT BASIN OUTLET STRUCTURE PER DETAILS ON SHEET 5
- ③ CONSTRUCT 60" RCP (D-LOAD 1200)
- ④ CONSTRUCT HEADWALL & WINGWALL PER CALTRANS STD D90
- ⑤ CONSTRUCT 1/4 TON RIP-RAP, 2.7' DEEP (SIZE PER PLAN)
- ⑥ CONSTRUCT TRASH RACK PER APWA STD.NO 361-0
- ⑦ CONSTRUCT CONCRETE CUTOFF WALL 1'WX4' H PER CALTRANS STD D90
- ⑧ CONSTRUCT WINGWALL PER CALTRANS STANDARD DETAIL D90 TYPE A
- ⑪ CONSTRUCT CABLE RAILING PER CALTRANS STD B11-47




P.K. NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET
LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE.
82 FEET WESTERLY OF BOX SPRING BLVD.
ADJUSTED AND ENTERED MAY 1997 ELEV.= 1534.311

A L B E R T A .
WEBB
A S S O C I A T E S
APPROVED BY: *[Signature]* DATE: *9/23/13*
R.C.E. NO. C44762
CIVIL ENGINEERS
3788 McCRAY ST.
RIVERSIDE, CA. 92506
PH: (951) 686-1070
FAX: (951) 788-1256

W.O. 01-0322 FOR: THE CITY OF RIVERSIDE

| | | | |
|--------------|-----------|-------------|-------------|
| MARK | REVISIONS | | APPR |
| DESIGNED BY: | TD | CHECKED BY: | PLN CHK REF |

| PUBLIC WORKS DEPARTMENT | | | |
|-------------------------|----|----------|---|
| APPROVED BY | BY | DATE | APPROVED BY |
| PRINCIPAL ENGINEER | Em | 10/2/13 |  DIRECTOR OF PUBLIC WORKS |
| PARK DEPARTMENT | | | |
| TRAFFIC DIVISION | EW | 10-30-13 | |
| DEPUTY P.W. DIRECTOR | | | |
| CCA | PC | 10/28/13 | DATE 11/8/2013 |

NOT TO SCALE

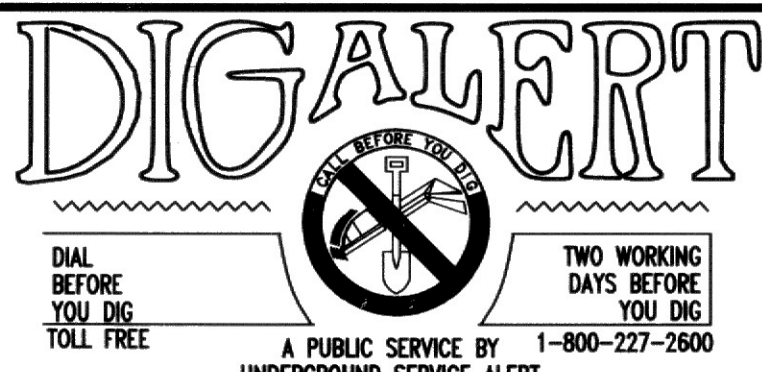
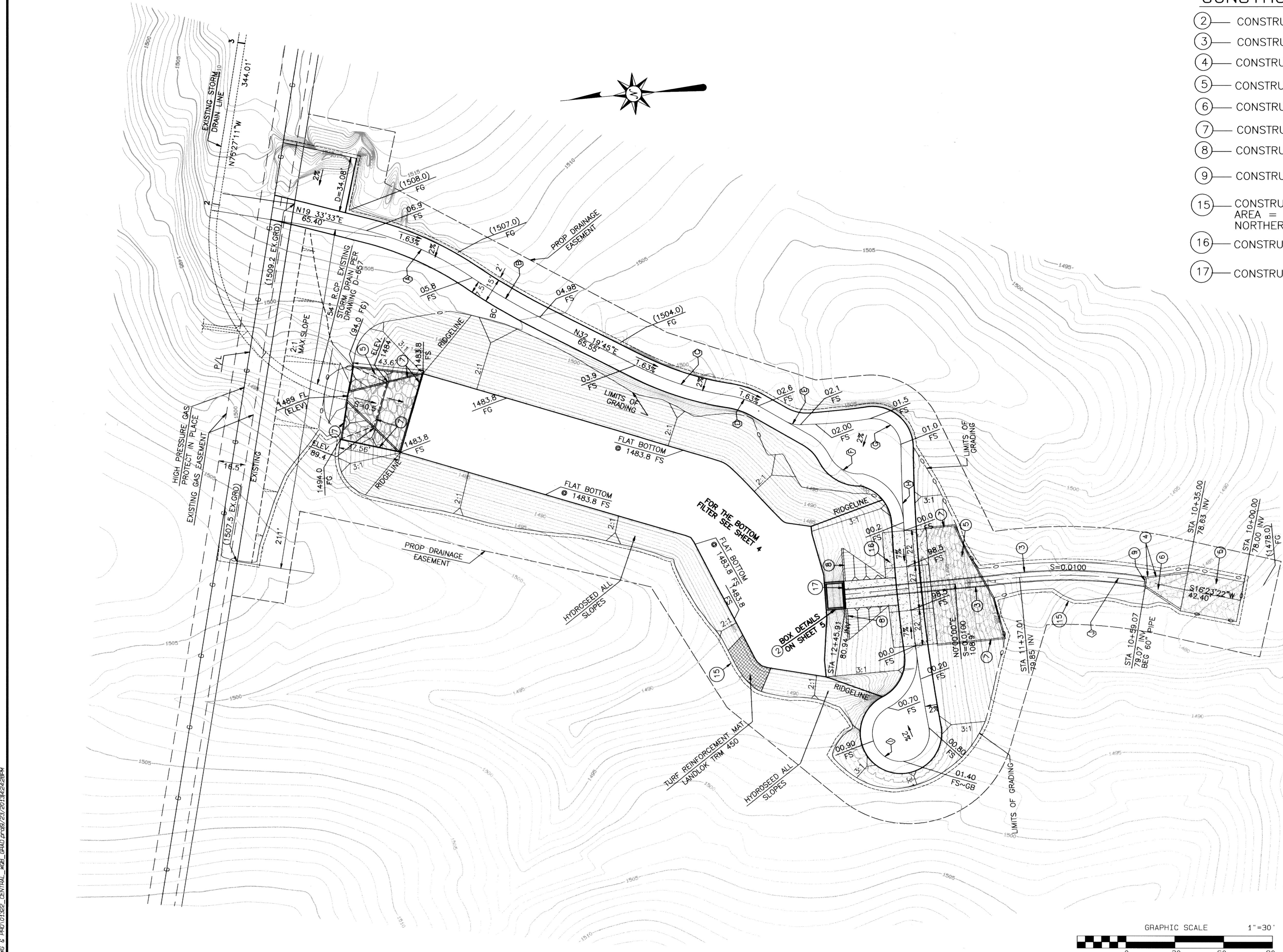
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|-----------------------------|
| ACCOUNT NO. |
| DRAWING NUMBER |
| D-871 |
| 2 OF 6 |
| SHEET _____ OF _____ |
| 01322CENTRAL MAR WQB.PRO |

CONSTRUCTION NOTES

- 2— CONSTRUCT BASIN OUTLET STRUCTURE PER DETAILS ON SHEET 5
- 3— CONSTRUCT 60" RCP (D-LOAD 1200) PER PLAN
- 4— CONSTRUCT HEADWALL & WINGWALL PER CALTRANS STD D90
- 5— CONSTRUCT 1/4 TON RIP-RAP, 2.7' DEEP (SIZE PER PLAN)
- 6— CONSTRUCT TRASH RACK PER APWA STD.NO 361-0
- 7— CONSTRUCT CONCRETE CUTOFF WALL 1'WX4'H PER CALTRANS STD D90
- 8— CONSTRUCT WINGWALL PER CALTRANS STANDARD D90 DETAIL TYPE A
- 9— CONSTRUCT HEADWALL AND WINGWALL PER CALTRANS STANDARD D90
- 15— CONSTRUCTION LIMIT (NO CONSTRUCTION ACTIVITY BEYOND THIS LIMIT); AREA = 1.68 ACRES (EXCLUDES 0.25 ACRES BUILT UP AREA IN NORTHERN PART)
- 16— CONSTRUCT CONCRETE SPILLWAY DETAIL PER DETAIL ON SHEET 6
- 17— CONSTRUCT CABLE RAILING PER CALTRANS STD B11-47

CURVE DATA

| | Δ | R | L | T |
|---|-----------|----------|---------|--------|
| A | 19°47'53" | 207.50' | 71.70' | 36.21' |
| B | 7°01'40" | 392.50' | 48.14' | 24.1' |
| C | 18°06'20" | 192.50' | 60.83' | 30.67' |
| D | 20°51'13" | 52.50' | 19.11' | 09.66' |
| E | 32°05'55" | 17.50' | 09.80' | 05.03' |
| F | 68°05'40" | 20.50' | 24.36' | 13.85' |
| G | 90°00'01" | 17.50' | 27.49' | 17.50' |
| H | 05°45'11" | 1000.00' | 100.40' | 50.25' |
| I | 79°21'06" | 17.50' | 24.24' | 14.52' |
| J | 18°04'14" | 300.00' | 94.62' | 47.70' |



BENCH MARK
"L1-A3"
P.K. NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE. 82 FEET WESTERLY OF BOX SPRING BLVD. ADJUSTED AND ENTERED MAY 1997 ELEV.= 1534.311
ELEV.=1534.311
DATUM= NGVD 29



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FAX: (951) 788-1256
APPROVED BY: [Signature] DATE: 9/23/13
R.C.E. NO. C44762

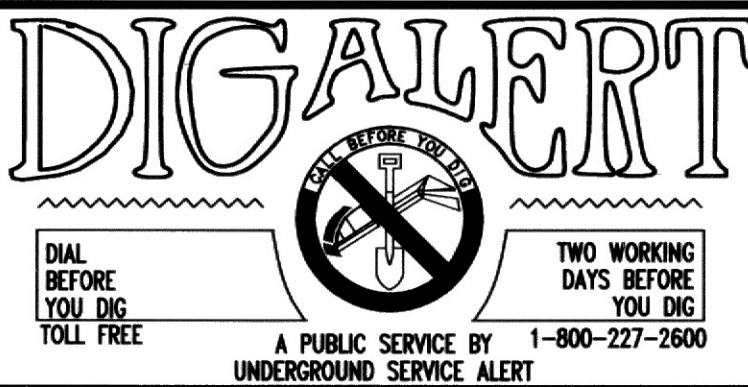
W.O. 01-0322 FOR THE CITY OF RIVERSIDE
DESIGNED BY: TD CHECKED BY: PLN CHK REF

**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**
APPROVED BY: [Signature] BY DATE: 9/23/13
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
DEPUTY P.W. DIRECTOR
DATE: 9/23/13

CONSTRUCTION PLAN
SYCAMORE CANYON BUSINESS PARK
CENTRAL STORM WATER
TREATMENT BASIN
GRADING SHEET
SCALE: 1"=30'

ACCOUNT NO.
DRAWING NUMBER
D-871
SHEET **3** OF **6**
01322_CENTRAL_WGB_GRAD
.PRO

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BENCH MARK

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P.K. NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET
LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE.
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ADJUSTED AND ENTERED MAY 1997 ELEV. = 1534.311
ELEV. = 1534.311
NGVD 29



ALBERT A. CIVIL ENGINEERS

WEBB
ASSOCIATES
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RIVERSIDE, CA. 92506
PH: (951) 686-1070
FAX: (951) 788-1256
APPROVED BY: [Signature] DATE: 9/23/13
R.C.E. NO. C44762

W.O. 01-0322 FOR THE CITY OF RIVERSIDE

DESIGNED BY: TD CHECKED BY: PLN CHK REF

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

| APPROVED BY | BY DATE | APPROVED BY |
|----------------------|------------|-----------------|
| PRINCIPAL ENGINEER | PM 9/23/13 | [Signature] |
| PARK DEPARTMENT | 8/1/13 | |
| TRAFFIC DIVISION | | |
| DEPUTY P.W. DIRECTOR | CCP | DATE: JUNE 2004 |

CONSTRUCTION PLAN

SYCAMORE CANYON BUSINESS PARK
CENTRAL STORM WATER
TREATMENT BASIN
PLAN VIEW

SCALE: 1"=20'

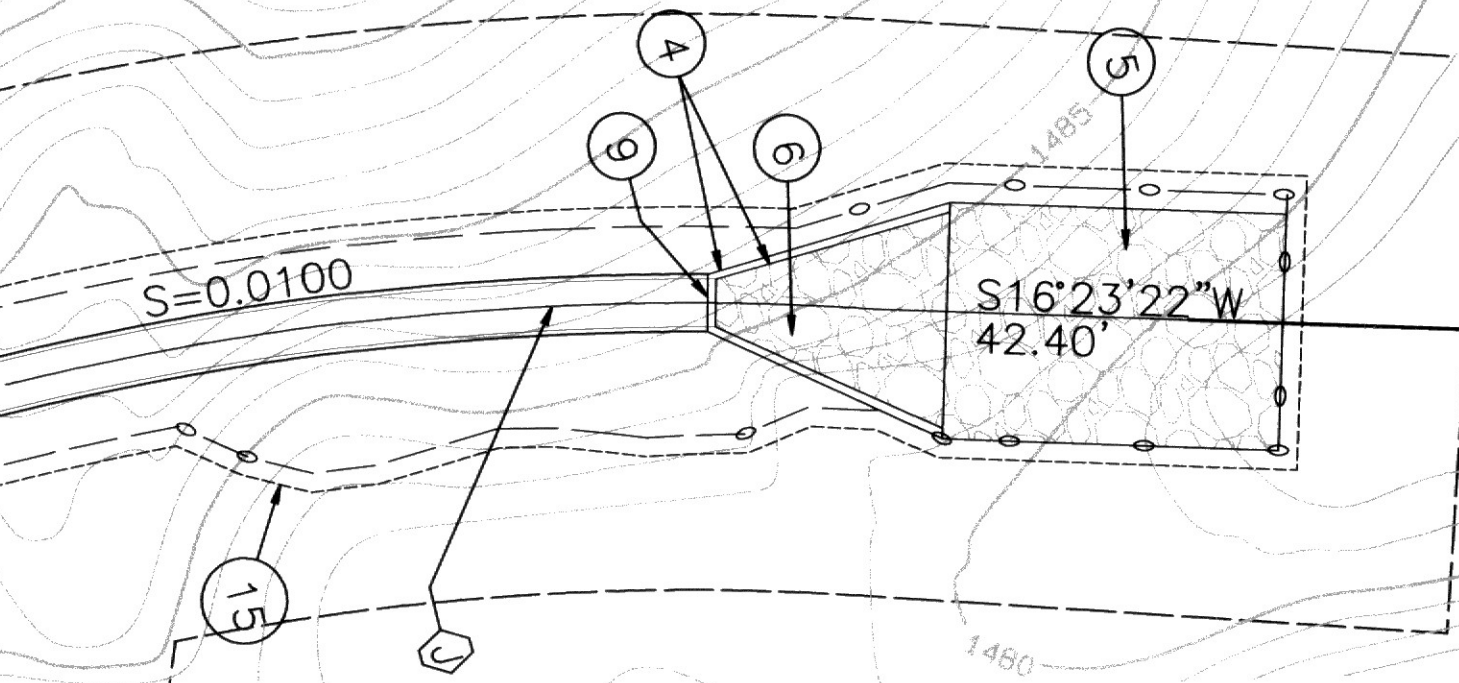
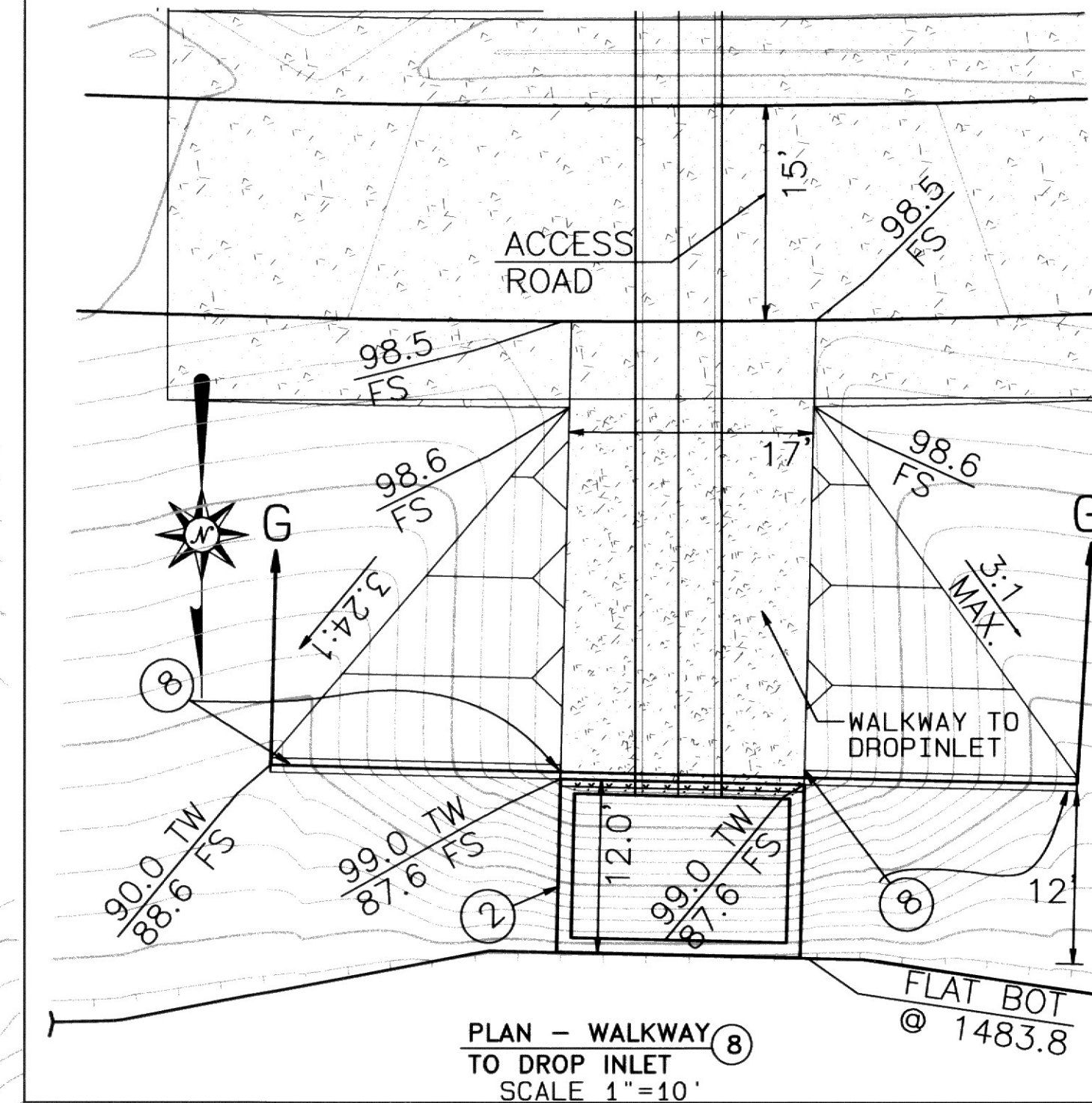
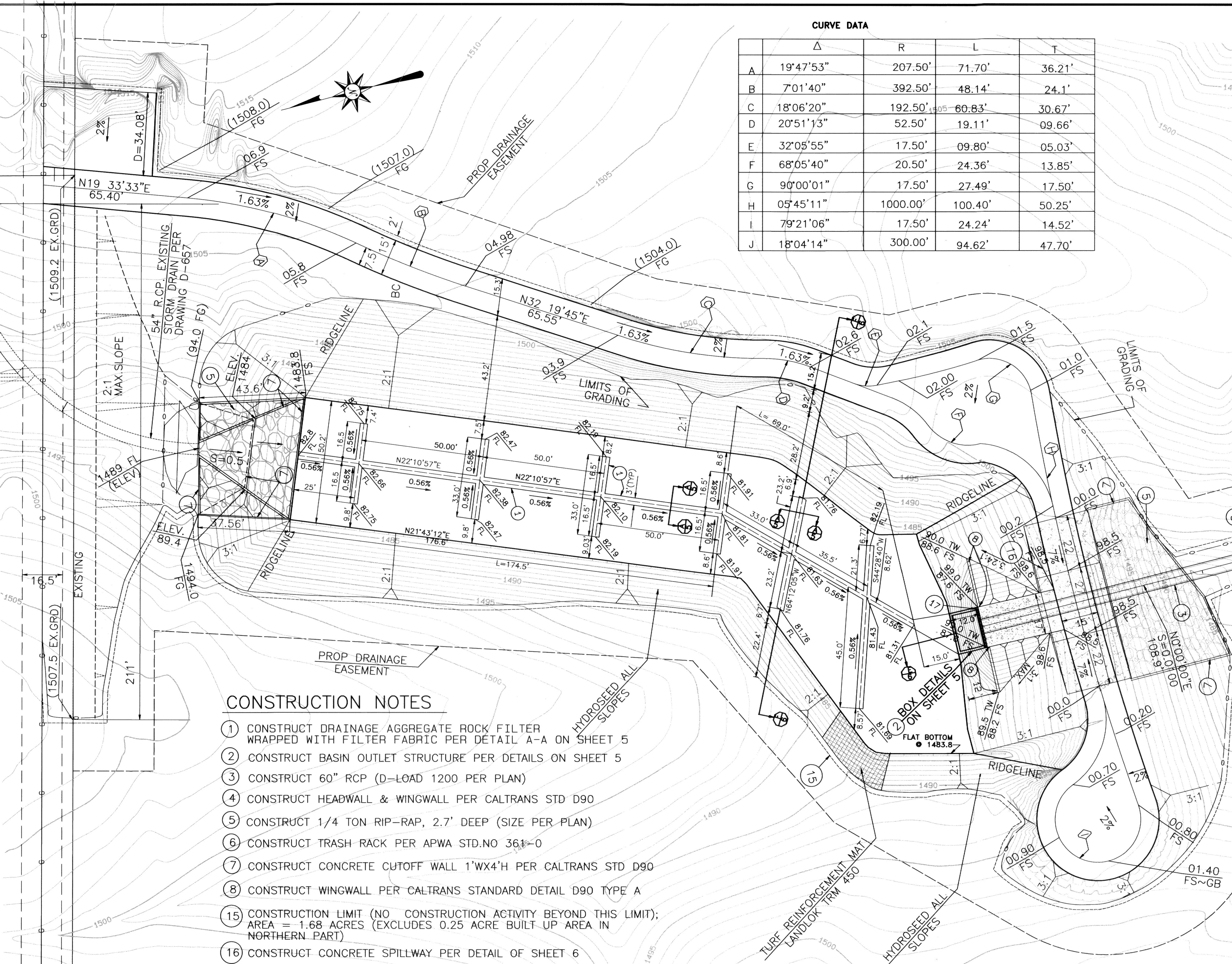
ACCOUNT NO.

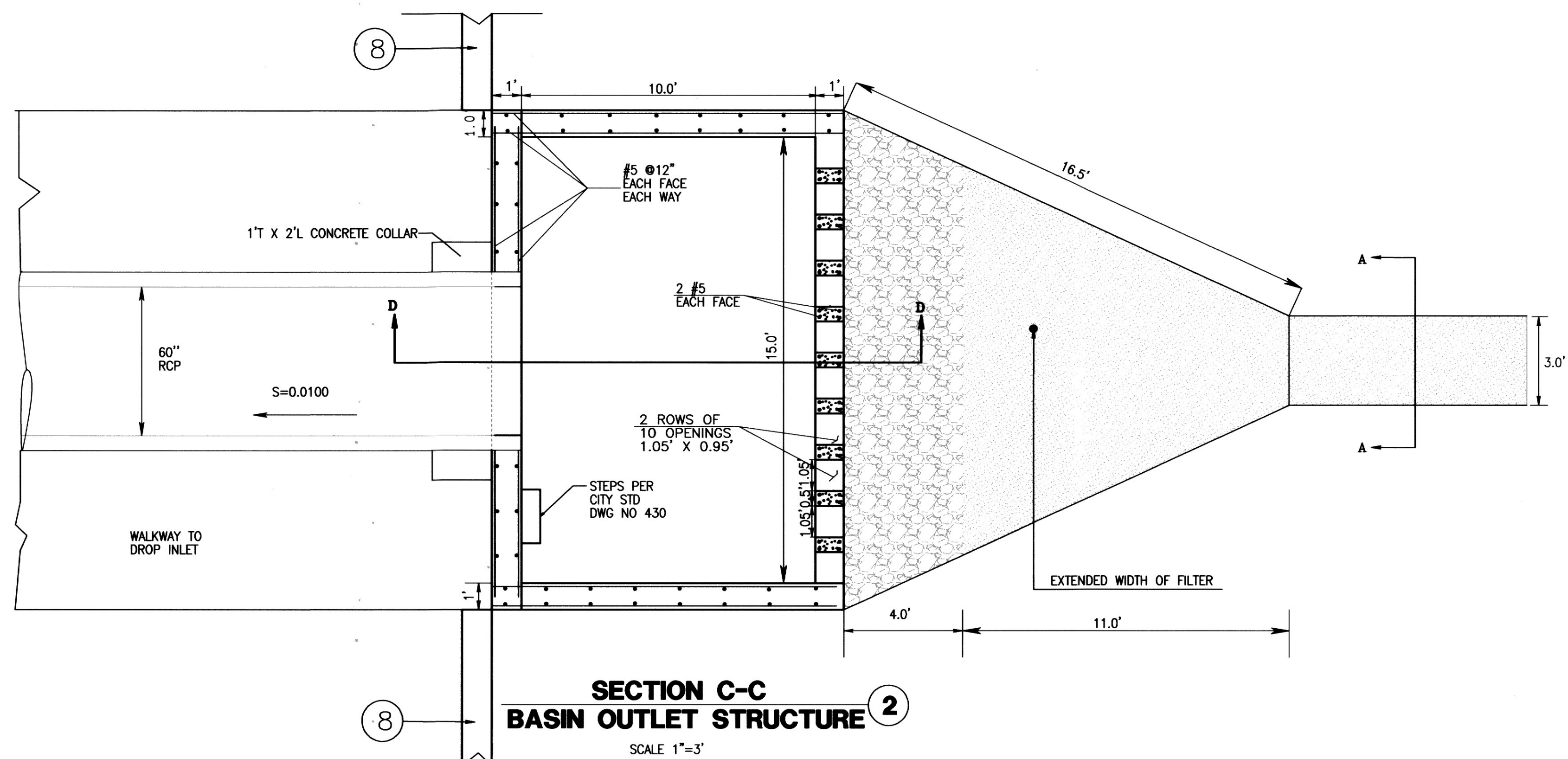
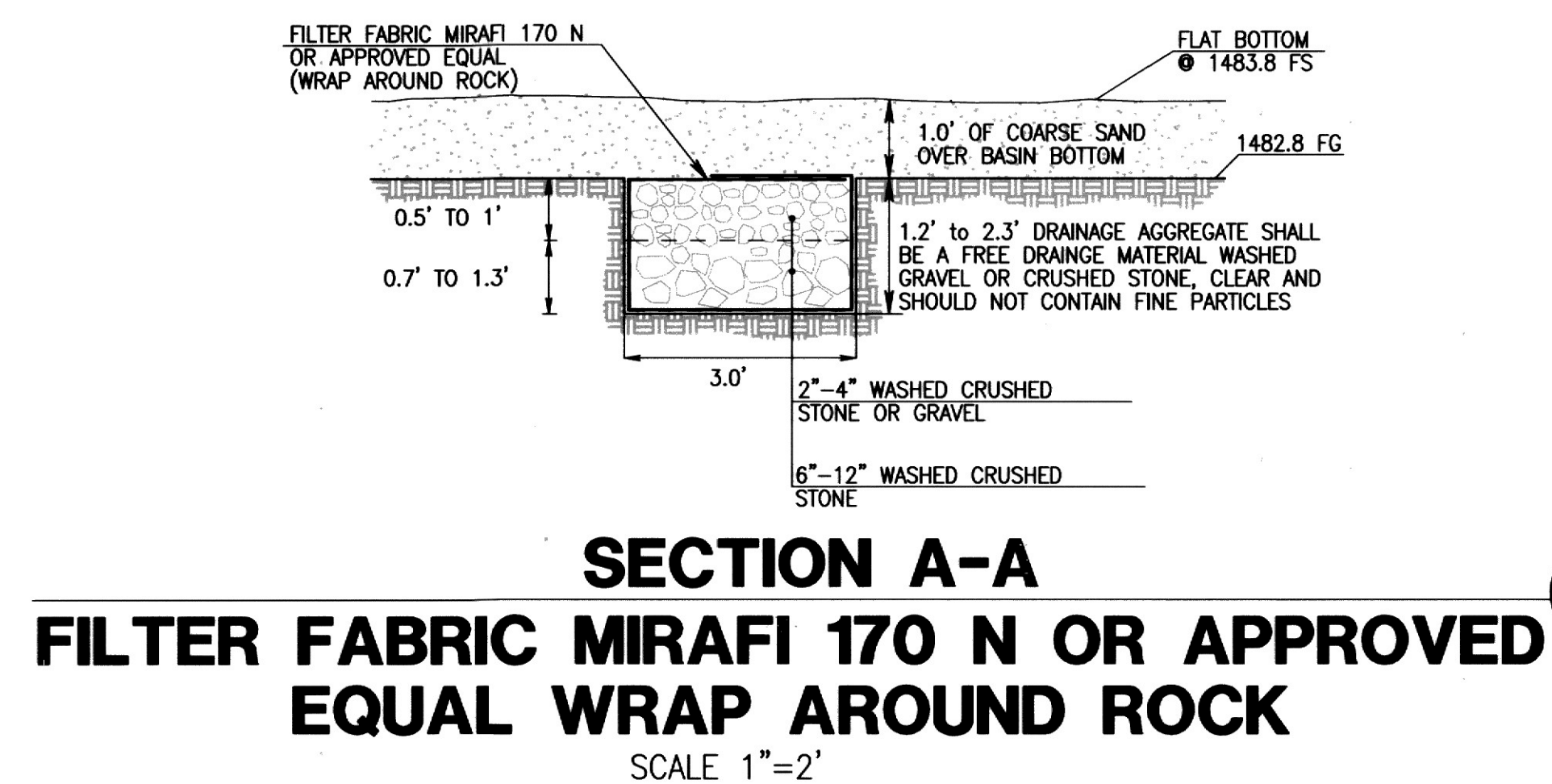
DRAWING NUMBER

D-871

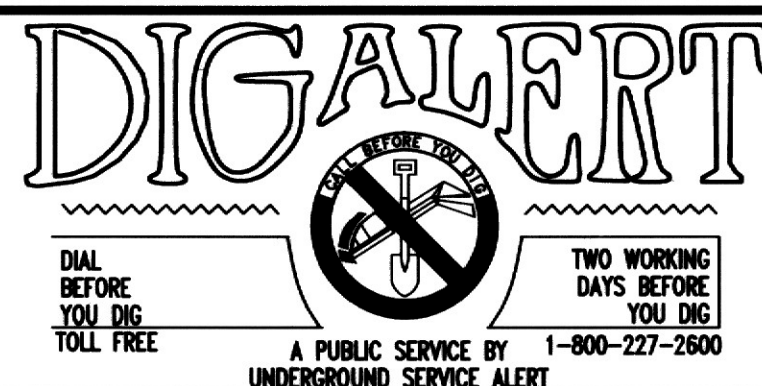
SHEET 4 OF 6

01322CENTRAL MARSH
WQB.PRO





- ① CONSTRUCT DRAINAGE AGGREGATE ROCK FILTER
WRAPPED WITH FILTER FABRIC PER DETAIL A-A HEREON
- ② CONSTRUCT BASIN OUTLET STRUCTURE PER DETAILS HEREON
- ⑧ CONSTRUCT WINGWALL PER CALTRANS STANDARD DETAIL D90 TYPE A (SHEET 4)



P.K. NAIL AND CITY ENGINEER TAG IN THE BASE OF A STREET
LIGHT POLE ALONG THE NORTHERLY CURB OF EASTRIDGE AVE.
82 FEET WESTERLY OF BOX SPRING BLVD.
ADJUSTED AND ENTERED MAY 1997 ELEV.= 1534.311

ELEV.=1534.311
NGVD 29



A L B E R T A .
WEBB
A S S O C I A T E S

CIVIL ENGINEERS
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RIVERSIDE, CA. 92506
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FAX: (951) 789-1256

APPROVED BY: *[Signature]* DATE: *7/23/13*
R.C.E. NO. C44762

W.O. 01-0322 FOR: THE CITY OF RIVERSIDE

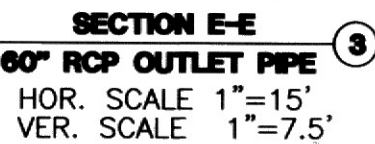
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| MARK | REVISIONS | APPROVED |
| DESIGNED BY: TD | CHECKED BY: | PLN CHK REF |

| | | | |
|----------------------|----|----------|--------------------------|
| APPROVED BY | BY | DATE | APPROVED BY |
| PRINCIPAL ENGINEER | FM | 11/4/13 | <i>Ang. Bud</i> |
| PARK DEPARTMENT | | | |
| TRAFFIC DIVISION | SH | 11-2-13 | DIRECTOR OF PUBLIC WORKS |
| DEPUTY P.M. DIRECTOR | | | |
| CCA | DC | 10/12/13 | DATE 11/8/2013 |

**SYCAMORE CANYON BUSINESS PARK
CENTRAL STORM WATER
TREATMENT BASIN
DETAIL SHEET**

SCALE: AS SHOWN

| | |
|------------------|----------|
| ACCOUNT NO. | |
| DRAWING NUMBER | |
| D-871 | |
| 5 | 6 |
| SHEET | OF |
| 01322CENTRAL MAR | WQB. PRO |



- ①—CONSTRUCT DRAINAGE AGGREGATE ROCK FILTER
WRAPPED WITH FILTER FABRIC PER DETAIL A-A SHOWN
- ③—CONSTRUCT 60" RCP (D-LOAD 1200)

