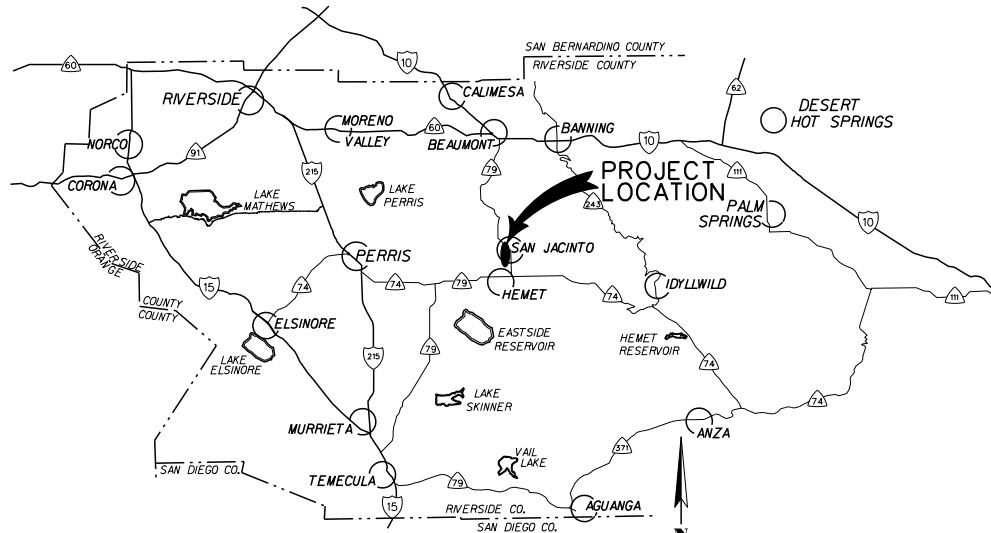


RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



INDEX

| | SHEET NO.: |
|------------------------------|------------|
| TITLE SHEET | 1 |
| PLAN & PROFILE | 2-23 |
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| L-WALL DETAIL | 31 |
| MENLO AVE INLET GRADING PLAN | 32 |
| MISCELLANEOUS DETAILS | 33-YY |
| STREET PAVING PLAN | XY-XY |
| TRAFFIC CONTROL PLAN | XY-XY |

R.C.F.C. & W.C.D. STANDARD DRAWINGS

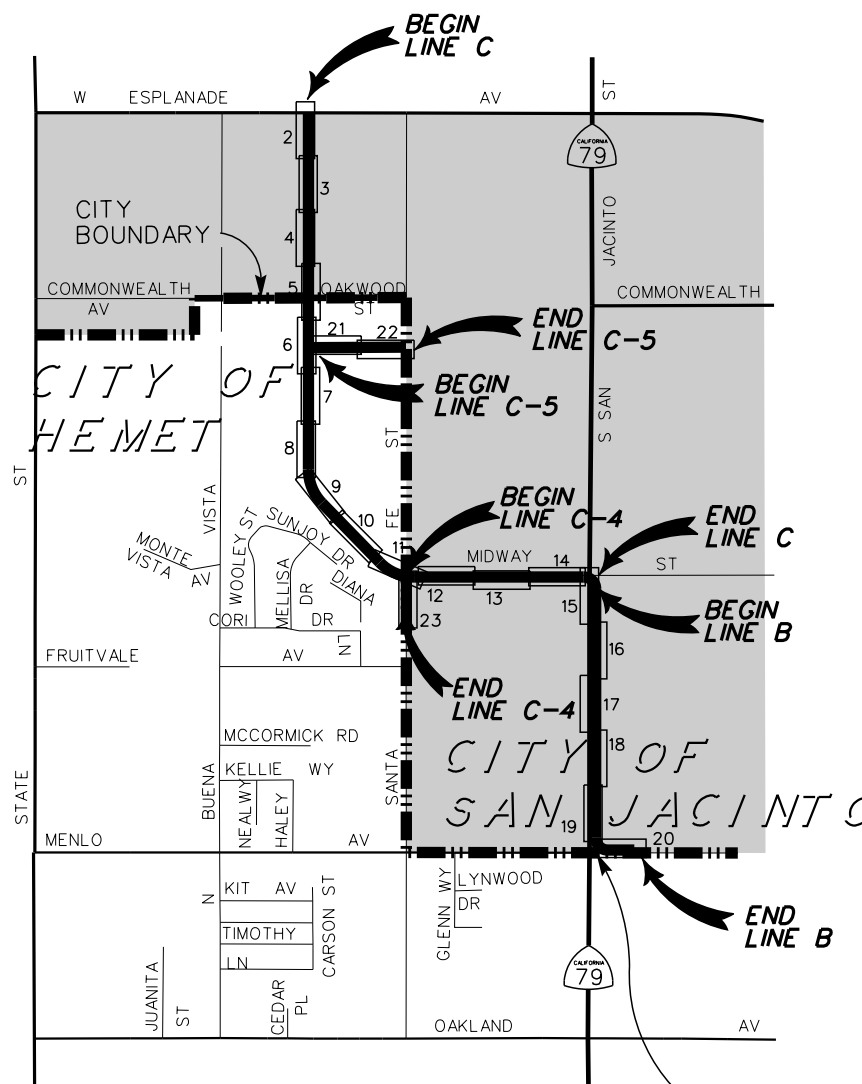
| | |
|-------|-------------------------------------------|
| CB100 | CATCH BASIN NO. 1 |
| CB101 | CATCH BASIN NO. 4 |
| CB110 | CONCRETE DROP INLET |
| JS226 | JUNCTION STRUCTURE NO. 1 |
| JS227 | JUNCTION STRUCTURE NO. 2 |
| JS228 | JUNCTION STRUCTURE NO. 3 |
| JS229 | JUNCTION STRUCTURE NO. 4 |
| MH252 | MANHOLE NO. 2 |
| MH253 | MANHOLE NO. 3 |
| MH254 | MANHOLE NO. 4 |
| MH257 | MANHOLE SHAFT FOR CAST PIPE |
| MH259 | STANDARD DROP STEPS |
| MH260 | MANHOLE FRAME AND COVER |
| M814 | ABBREVIATIONS AND SYMBOLS |
| M815 | BEDDING AND PAY LINES |
| M816 | CONCRETE BULKHEAD |
| M818 | WIRE FENCE DETAIL |
| M819 | MAXIMUM CHORD LENGTHS FOR CURVED SECTIONS |
| TS302 | TRANSITION STRUCTURE NO. 2 |
| TS303 | TRANSITION STRUCTURE NO. 3 |
| TS304 | TRANSITION STRUCTURE NO. 4 |

CALTRANS STANDARD DRAWINGS

| | |
|--------|------------------------------------------------------|
| A87A | CURBS AND DRIVERWAYS |
| B11-47 | CABLE RAILING |
| D80 | CAST-IN-PLACE REINFORCED CONCRETE SINGLE BOX CULVERT |

COUNTY OF RIVERSIDE TRANSPORTATION

| | |
|-----|---------------|
| 200 | TYPE A-6 CURB |
|-----|---------------|

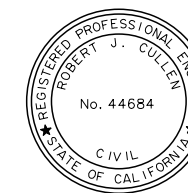


GENERAL NOTES

- BEDDING AND PAYLINES ARE SHOWN ON RCFC STANDARD DRAWING M815 UNLESS SHOWN OTHERWISE ON THESE PLANS.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION.
- ALL CHANNEL/STORM DRAIN REFERENCES AND CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- TOPOGRAPHY BY DIGITAL PHOTOGRAMMETRIC METHODS. AERIAL PHOTOGRAPHS TAKEN AT AN ALTITUDE NOT TO EXCEED A FLYING HEIGHT TO CONTOUR INTERVAL RATIO OF 1800. PHOTOGRAPHY DATED 8-6-2009.
- THE VERTICAL DATUM IS DERIVED FROM NAVD 88. THE HORIZONTAL DATUM IS DERIVED FROM NAD 83.
- STANDARD DRAWINGS CALLED FOR ON THE PLAN & PROFILE SHALL CONFORM TO RCFC & WCD STD DRAWINGS, OR CALTRANS/CITY/COUNTY STANDARD PLANS.
- ELEVATIONS AND LOCATIONS OF UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION AND ARE SHOWN APPROXIMATELY ON THESE PLANS. 48 HOURS BEFORE EXCAVATION CALL UNDERGROUND SERVICE ALERT AT 1-800-227-2600. ALL UTILITIES SHALL BE PROTECTED IN PLACE EXCEPT AS NOTED ON PLANS AND SPECIFICATIONS.
- THE CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY AGENCIES REGARDING TEMPORARY SUPPORT AND SHORING REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- ALL OPENINGS RESULTING FROM CUTTING OR PARTIAL REMOVAL OF EXIST. CULVERTS, PIPES, OR SIMILAR STRUCTURES TO BE ABANDONED, SHALL BE SEALED AT BOTH ENDS WITH 6" MIN CLASS "B" CONCRETE.
- UNLESS OTHERWISE SPECIFIED, MINIMUM STREET RECONSTRUCTION SHALL BE 0.25' TYPE "B" ASPHALT CONCRETE OVER 6" CLASS 2 AGGREGATE BASE OR AS SPECIFIED BY THE ENGINEER.
- ALL RECONSTRUCTION, RESURFACING AND PAVEMENT DELINEATION, CURBS, SIDEWALKS AND OTHER IMPROVEMENTS ARE TO BE RECONSTRUCTED IN KIND AT THE SAME LOCATIONS AND ELEVATIONS AS THE EXISTING IMPROVEMENTS, UNLESS OTHERWISE NOTED.
- ⊙ INDICATES APPROX. SOIL BORING LOCATION PER SOILS REPORT BY INLAND FOUNDATION ENGINEERING, INC DATED 08/31/2012.
- FOR COMPLETE RIGHT-OF-WAY AND TEMPORARY EASEMENT REFER TO DRAWING NO. 4-1046T, SHT 1 TO 6; NO. 4-1047T, SHT 1 TO 1; NO. 4-1059T, SHT 1 TO 1

LOCATION MAP
NTS

CITY OF SAN JACINTO

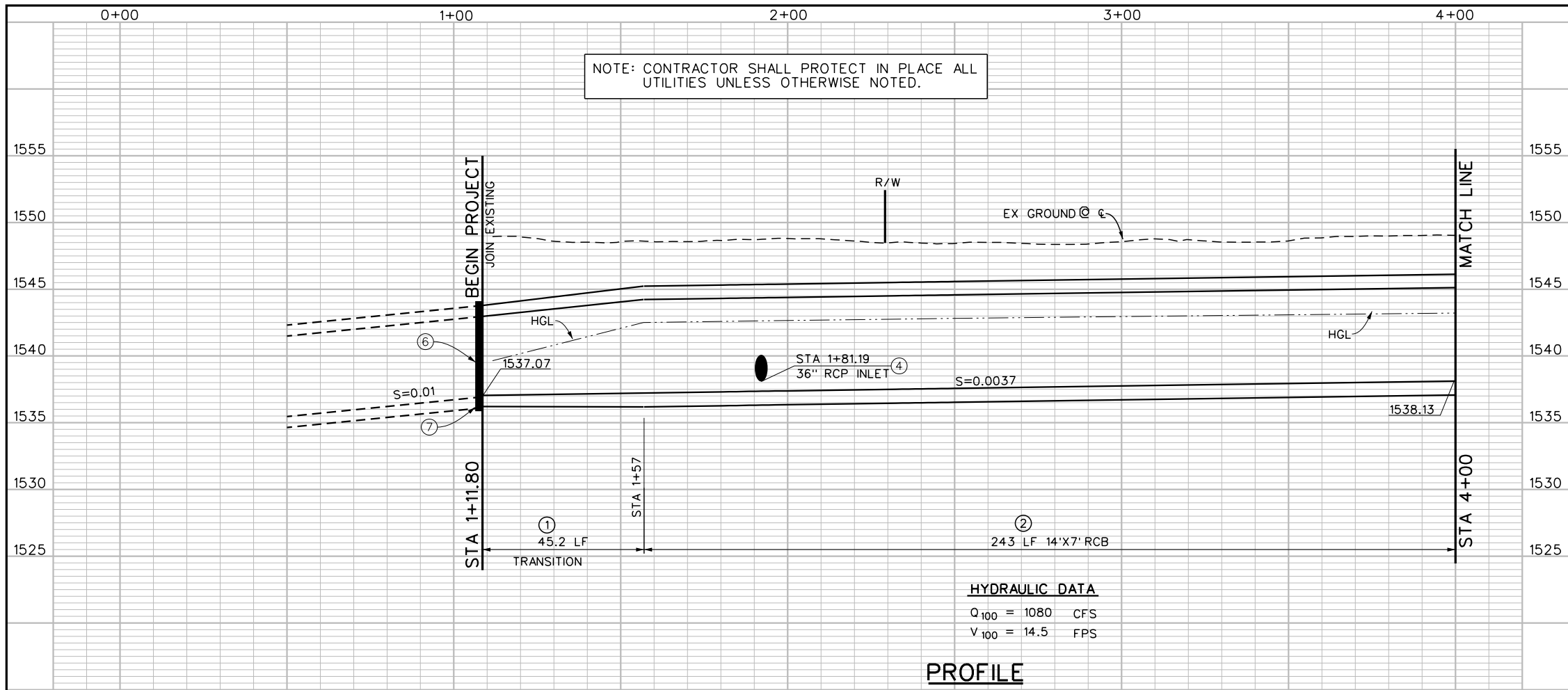


★ PRELIMINARY ★

SUBJECT TO REVISION

| CITY OF SAN JACINTO | CITY OF HEMET | REVISIONS | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | SAN JACINTO MDP | PROJECT NO. |
|---------------------|---------------|-----------|----------------------------------------------------------------|--------------------------------------------------------|-------------|
| APPROVED BY: | APPROVED BY: | | DESIGNED BY: S. TSE | LINE C (STG 2), C-4 (STG 1), C-5 (STG 1), & B (STG 1). | 4-0-0124 |
| CITY ENGINEER | CITY ENGINEER | | DRAWN BY: M. HOWARD | | DRAWING NO. |
| DATE: | DATE: | | DATE DRAWN: JAN 2013 | | 4-713 |
| | | | CHIEF, DESIGN & CONSTRUCTION | TITLE SHEET | SHEET NO. |
| | | | DATE: _____ R.E. No. 44684 | | 01 OF XX |
| | | | GENERAL MANAGER-CHIEF ENGINEER | | |
| | | | DATE: _____ R.E. No. 32336 | | |

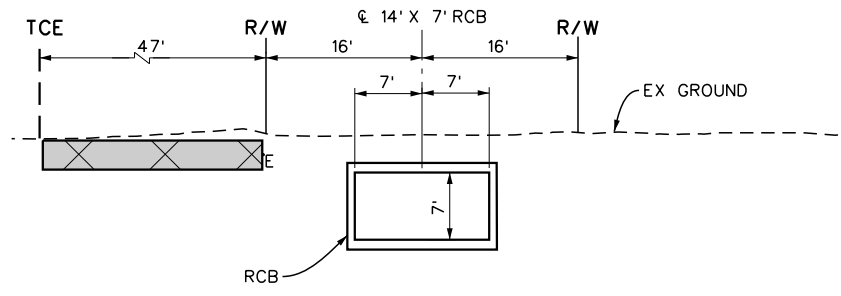
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



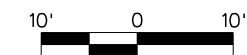
HYDRAULIC DATA

Q₁₀₀ = 1080 CFS
V₁₀₀ = 14.5 FPS

PROFILE



SECTION AT STATION 3+00



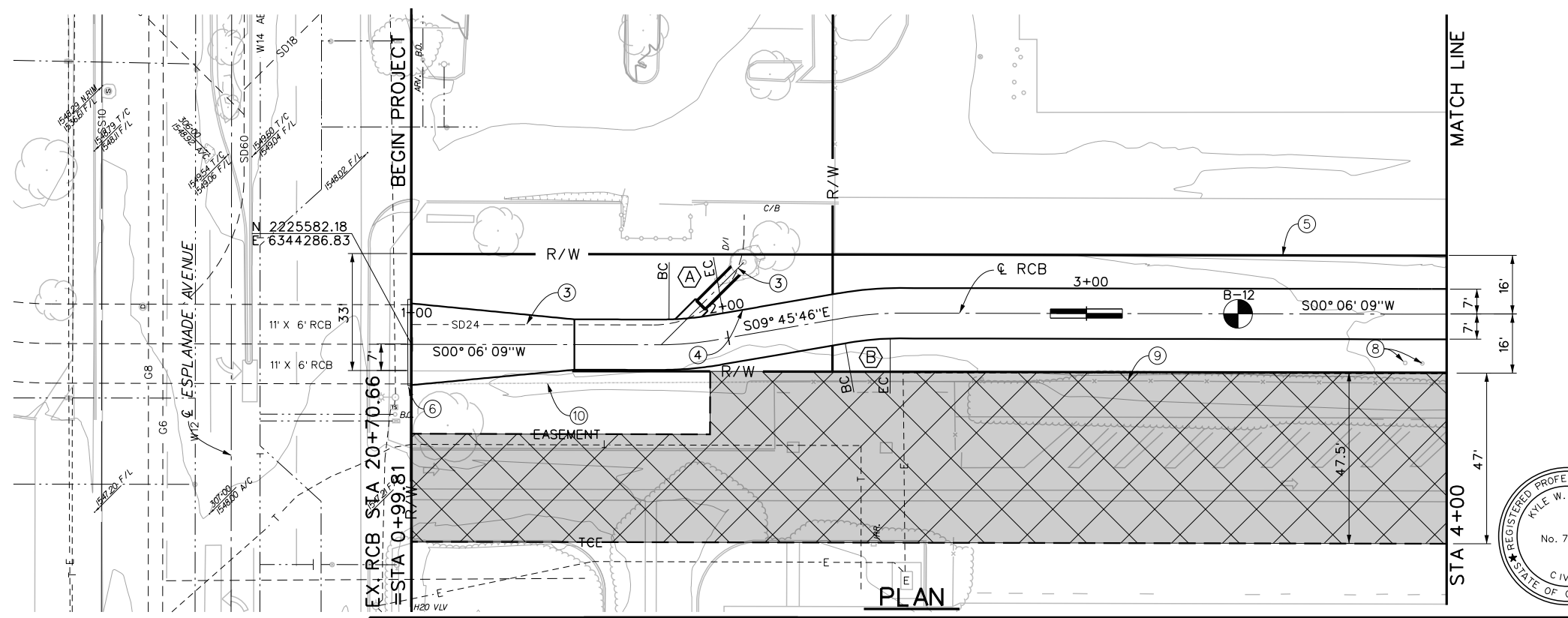
THE CONTRACTOR SHALL PROTECT IN-PLACE ALL EXISTING IMPROVEMENTS AND MAY RESTRICT LOCAL ACCESS DURING CONSTRUCTION OVERNIGHT STORAGE OF ANY EQUIPMENT OR STOCKPILE BY THE CONTRACTOR SHALL BE PROHIBITED.

STORM DRAIN CURVE DATA

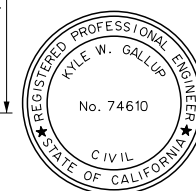
| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Δ = 09° 51' 55" R = 90.00' L = 15.50' T = 7.77' BC = STA 1+80.93 EC = STA 1+96.42 PI = N 2225505.29 E 6344286.69</p> | <p>Δ = 09° 51' 55" R = 90.00' L = 15.50' T = 7.77' BC = STA 2+32.61 EC = STA 2+48.11 PI = N 2225454.32 E 6344295.46</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

NOTES

- ① CONSTRUCT TRANSITION STRUCTURE NO. 4 PER STD TS304.
- ② CONSTRUCT 14'X7' REINFORCED CONCRETE BOX PER CALTRANS STD D80, PLAN, PROFILE AND DETAIL.
- ③ REMOVE EXISTING 36" SD AND INSTALL XX LF OF RCP TO EXISTING DROP INLET PER PROFILE DETAIL ON SHEET XX.
- ④ CONSTRUCT JS NO. 3 PER STD PLAN JS228 A=45°, B=36", C=15.8", EL. R=1541.232, EL. S=1540.000.
- ⑤ PROTECT IN PLACE EXISTING WALL.
- ⑥ REMOVE AND DISPOSE EXISTING BULKHEAD.
- ⑦ JOIN EXISTING DBL 11'X6' RCB PER SAN JACINTO MDP LINE C (STG. 1), PROJ. NO. 4-0-124, DWG NO. 4-549, SHEET 3 OF 22.
- ⑧ PROTECT IN PLACE EDISON UTILITY.
- ⑨ PROTECT IN PLACE EXISTING FENCE.
- ⑩ REMOVE AND REINSTALL INTERFERING PORTION OF ROD IRON FENCE.



PLAN



★ PRELIMINARY ★
SUBJECT TO REVISION

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

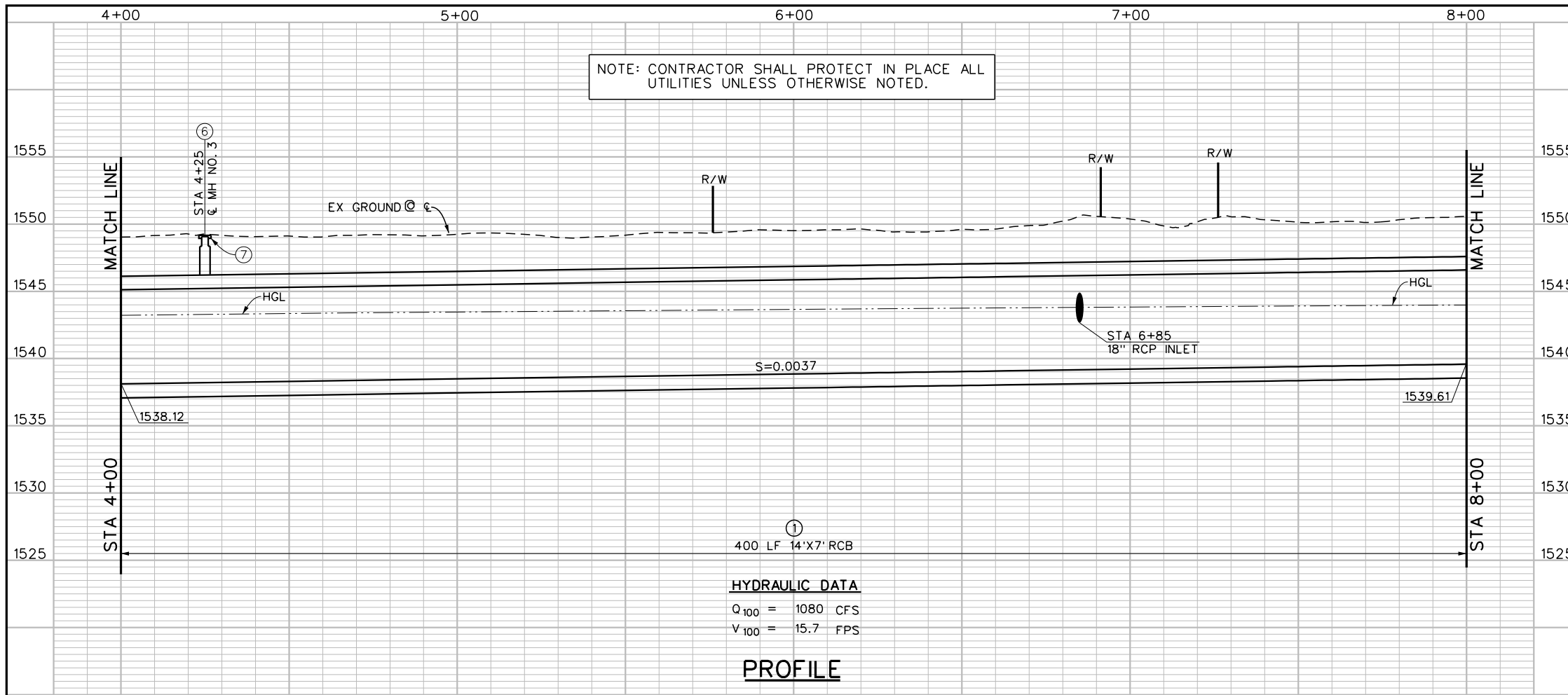
BENCH MARK B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

| REVISIONS | DESCRIPTION | APPR. | DATE |
|-----------|-------------|-------|------|
| | | | |
| | | | |

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DESIGNED BY: S. TSE
DRAWN BY: M. HOWARD
DATE DRAWN: JAN 2013
RECOMMENDED FOR APPROVAL BY: _____
APPROVED BY: _____
DATE: _____

SAN JACINTO MDP
LINE C (STG 2)
STA. 1+11.80 TO STA. 4+00
PROJECT NO. 4-0-0124
DRAWING NO. 4-713
SHEET NO. 02 OF XX

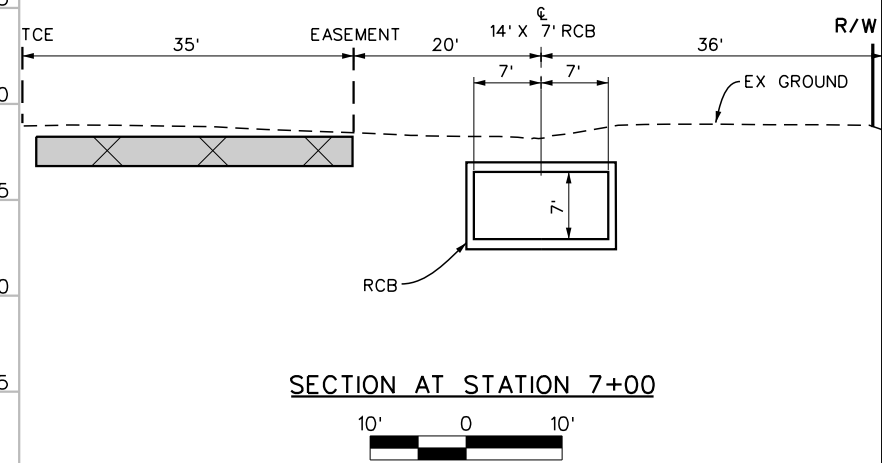
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



HYDRAULIC DATA

Q₁₀₀ = 1080 CFS
V₁₀₀ = 15.7 FPS

PROFILE



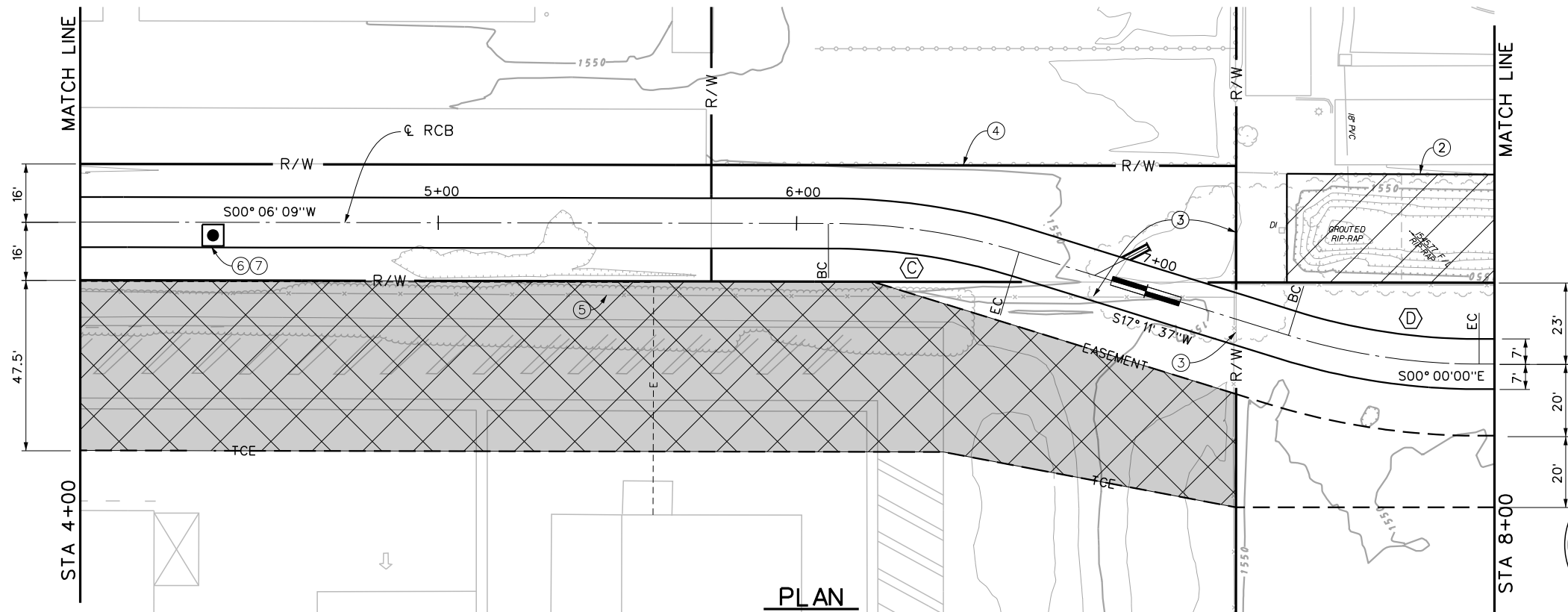
THE CONTRACTOR SHALL PROTECT IN-PLACE ALL EXISTING IMPROVEMENTS AND MAY RESTRICT LOCAL ACCESS DURING CONSTRUCTION OVERNIGHT STORAGE OF ANY EQUIPMENT OR STOCKPILE BY THE CONTRACTOR SHALL BE PROHIBITED.

STORM DRAIN CURVE DATA

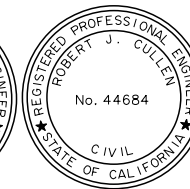
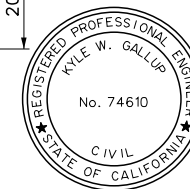
| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>△ = 17° 05' 28" R = 180.00' L = 53.69' T = 27.05' BC = STA 6+09.56 EC = STA 6+63.26 PI = N 2225058.05 E 6344294.75</p> | <p>△ = 17° 11' 37" R = 180' L = 54.02' T = 27.21' BC = STA 7+41.66 EC = STA 7+95.67 PI = N 2224931.32 E 6344255.54</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

NOTES

- 1 CONSTRUCT 14'X7' REINFORCED CONCRETE BOX PER CALTRANS STD. D80, PLAN, PROFILE AND DETAIL.
- 2 ANY GRADING OR OTHER DISTURBANCES WITHIN THE EXISTING RETENTION BASIN IS NOT AUTHORIZED BY RCFC&WCD.
- 3 REMOVE AND REINSTALL INTERFERING PORTION OF ROD IRON FENCE.
- 4 PROTECT IN PLACE EXISTING WALL.
- 5 PROTECT IN PLACE EXISTING FENCE.
- 6 CONSTRUCT MANHOLE NO. 3 PER STD MH253.
- 7 CONSTRUCT 6'X6'X6" CONCRETE PAD PER DETAIL ON SHEET 33.
- 8 CONSTRUCT JS NO. 3 PER STD PLAN JS228 8LF-18" RCP. A=45°, EL. S=1540.75 A=45°, S=0.100.
- 9 CONSTRUCT CONCRETE BULKHEAD PER STD 816.



PLAN



★ PRELIMINARY ★

SUBJECT TO REVISION



BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
|------|-------------|-------|------|
| | | | |

| | | | | | |
|----------------------|--|--|------------------------------|--|--|
| DESIGNED BY: S. TSE | | | RECOMMENDED FOR APPROVAL BY: | | |
| DRAWN BY: M. HOWARD | | | APPROVED BY: | | |
| DATE DRAWN: JAN 2013 | | | DATE: | | |

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

SAN JACINTO MDP

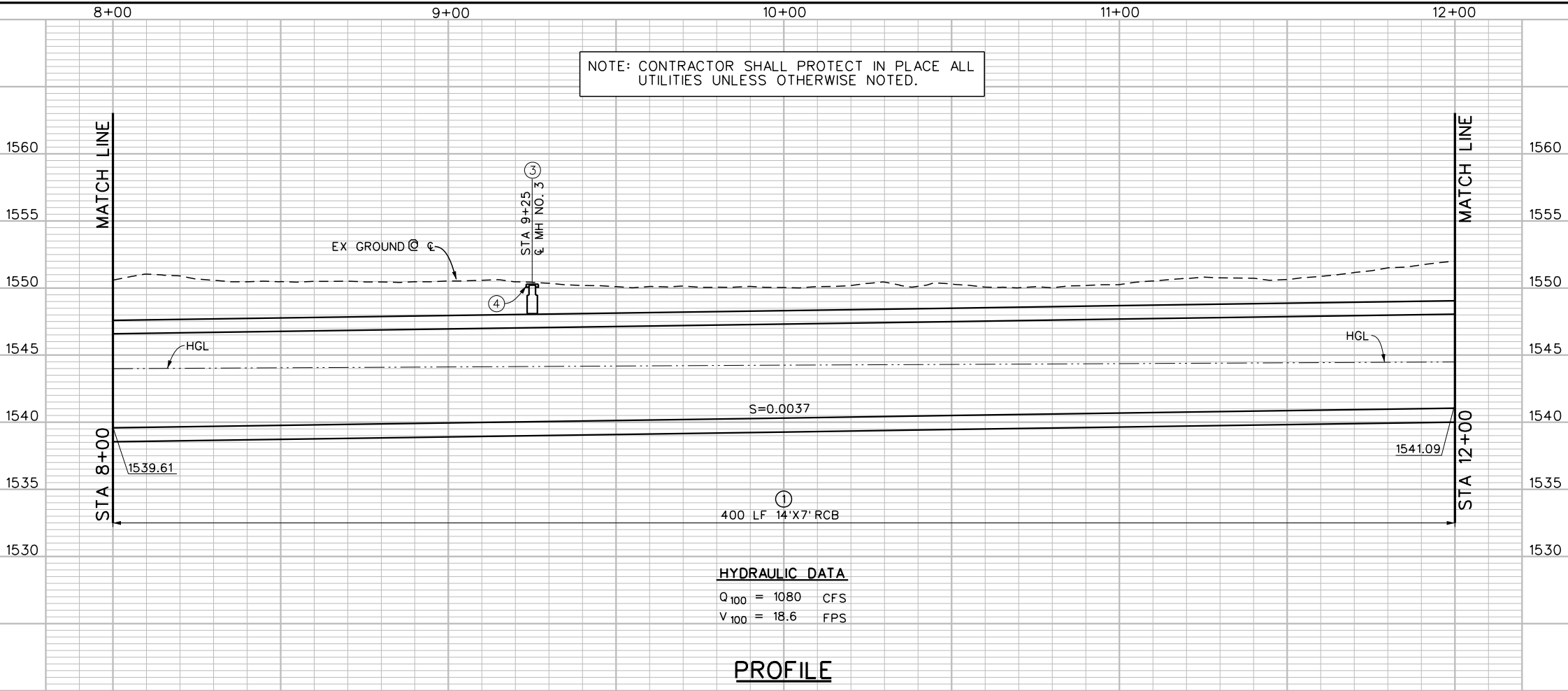
LINE C (STG 2)

STA. 4+00 TO STA. 8+00

PROJECT NO. 4-0-0124

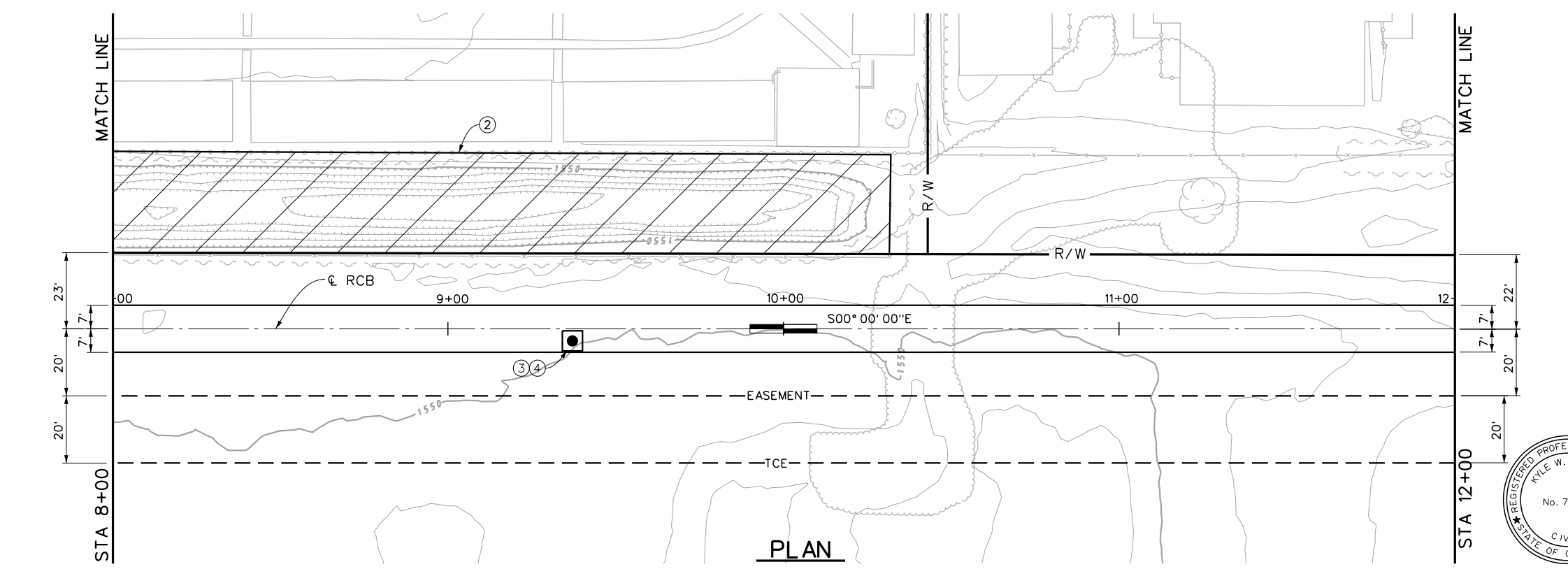
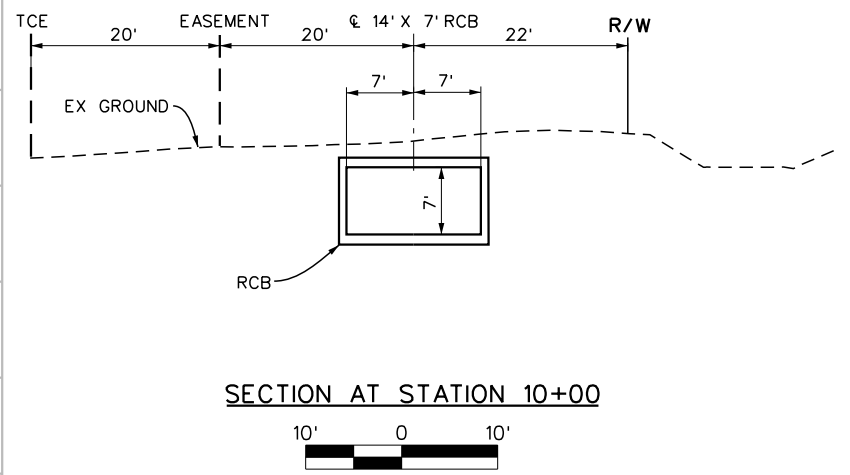
DRAWING NO. 4-713

SHEET NO. 03 OF XX



HYDRAULIC DATA
 Q₁₀₀ = 1080 CFS
 V₁₀₀ = 18.6 FPS

PROFILE

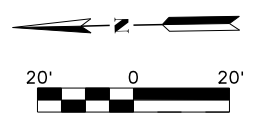


PLAN

- NOTES**
- ① CONSTRUCT 14'X7' REINFORCED CONCRETE BOX PER CALTRANS STD. D80, PLAN, PROFILE AND DETAIL.
 - ② ANY GRADING OR OTHER DISTURBANCES WITHIN THE EXISTING RETENTION BASIN IS NOT AUTHORIZED BY RCFC&WCD.
 - ③ CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - ④ CONSTRUCT 6'X6'X6\"



★ PRELIMINARY ★
 SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224.310
 E 6344.485
 ELEVATION= 1555.79 NAVD 88

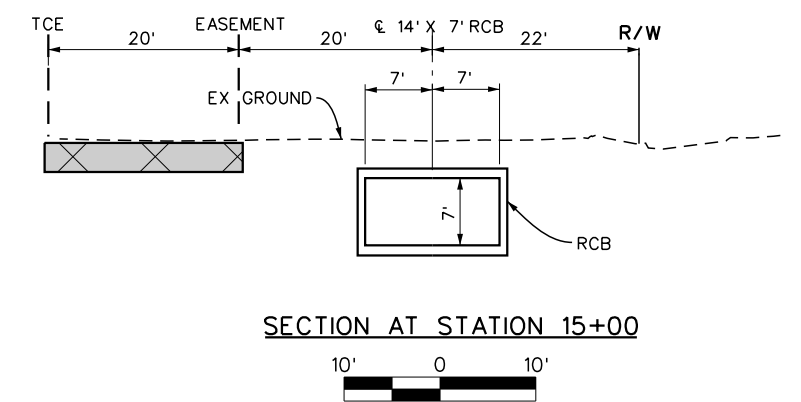
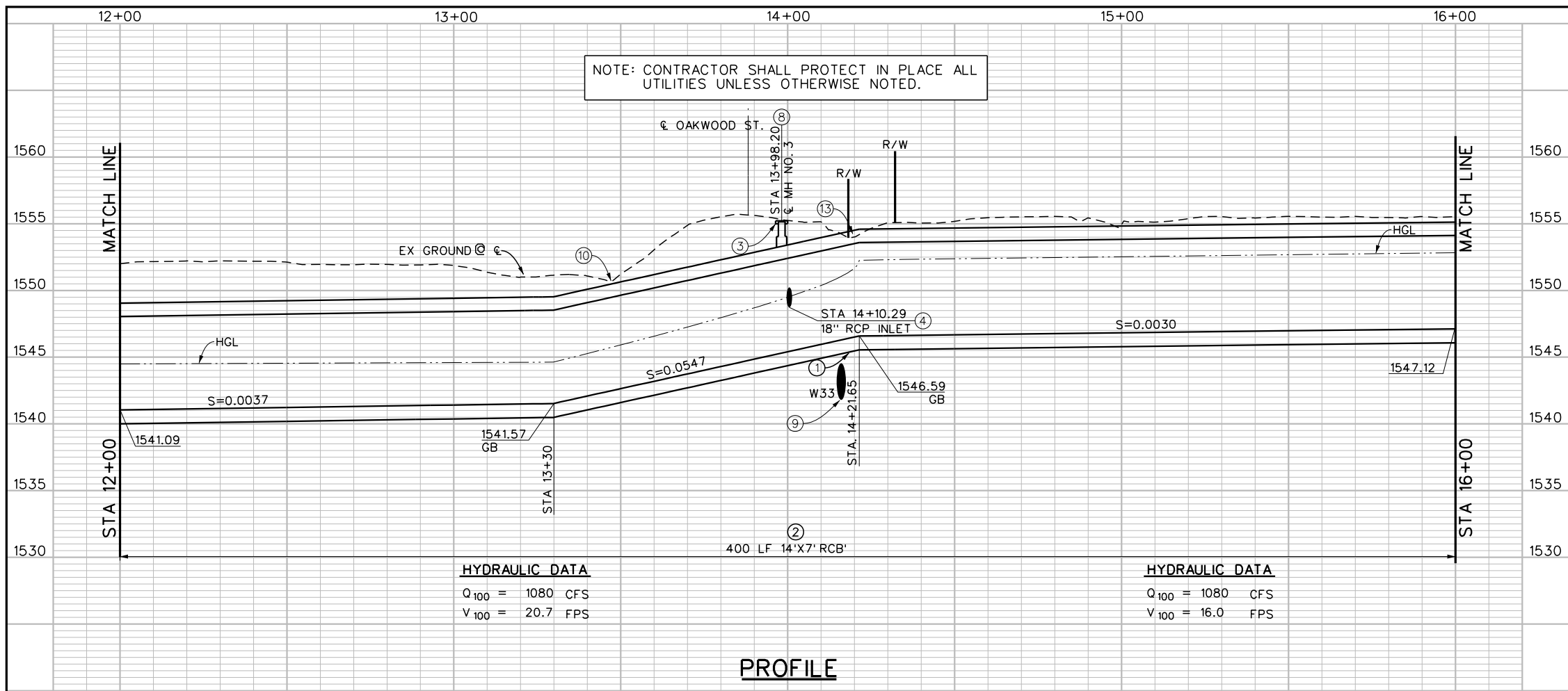
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| | | | | | |
|----------------------|--|--|------------------------------|--|--|
| DESIGNED BY: S. TSE | | | RECOMMENDED FOR APPROVAL BY: | | |
| DRAWN BY: M. HOWARD | | | APPROVED BY: | | |
| DATE DRAWN: JAN 2013 | | | DATE: | | |

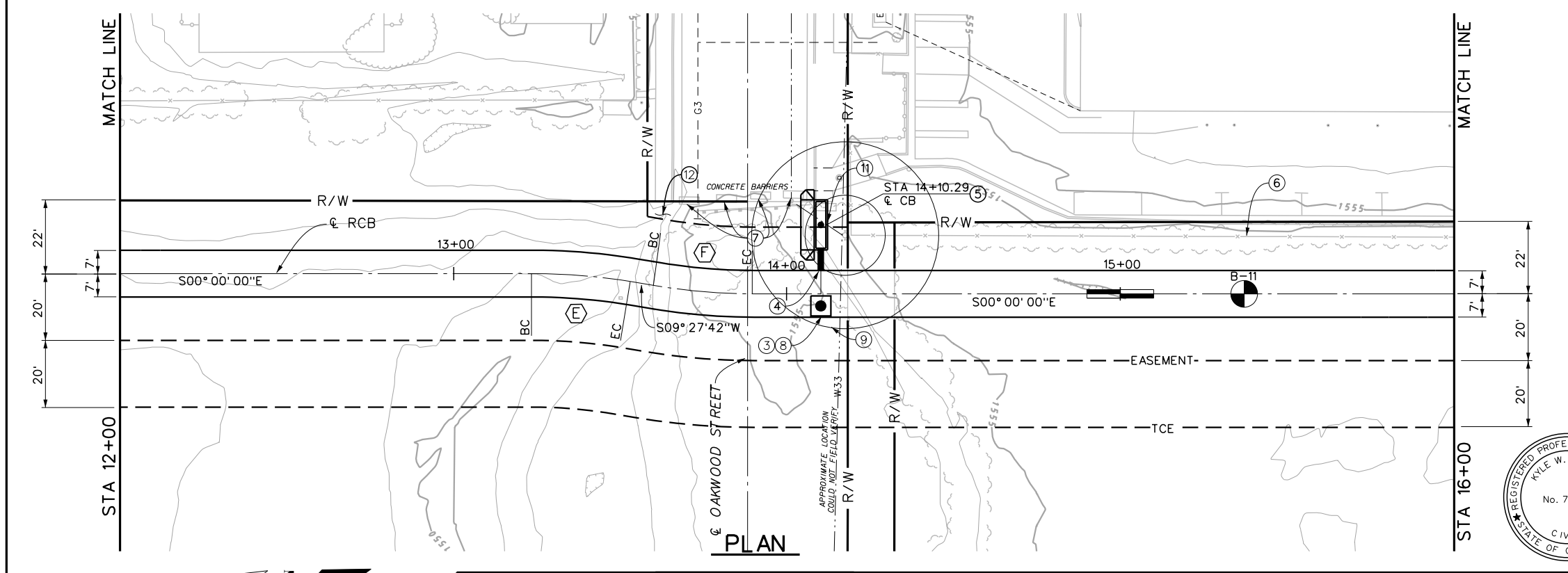
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 8+00 TO STA. 12+00

PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 04 OF XX



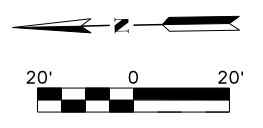
| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(E) STORM DRAIN CURVE DATA</p> <p>Δ = 09° 27' 42" R = 180.00' L = 29.72' T = 14.90' BC = STA 13+23.94 EC = STA 13+53.66 PI = N 2224360.94 E 6344255.54</p> | <p>(F) STORM DRAIN CURVE DATA</p> <p>Δ = 09° 27' 42" R = 180' L = 29.72' T = 14.90' BC = STA 13+60.68 EC = STA 13+90.41 PI = N 2224324.63 E 6344249.49</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



- NOTES**
- ① SEE ENCASUREMENT DETAIL ON SHEET XX.
 - ② CONSTRUCT 14'X7' REINFORCED CONCRETE BOX PER CALTRANS STD. D80 PLAN, PROFILE AND DETAIL.
 - ③ CONSTRUCT 6'X6'X6" CONCRETE PAD PER DETAIL ON SHEET 33.
 - ④ CONSTRUCT JS NO. 3 PER STD. JS228, EL. S=1548.73 SEE PROFILE ON SHEET XX.
 - ⑤ CONSTRUCT CATCH BASIN NO. 1 PER STD CB100, AND MODIFIED LD201 WITH LOCAL DEPRESSION EXTENDING. 3 LF EACH SIDE OF CATCH BASIN. V=3.5' & W=14'. 7.69 LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 25.
 - ⑥ PROTECT IN-PLACE EXISTING FENCE.
 - ⑦ REMOVE AND REPLACE INTERFERING CONCRETE BARRIERS.
 - ⑧ CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - ⑨ PROTECT IN-PLACE EXISTING 33" WATERLINE.
 - ⑩ PROVIDE MIN. 3' BACKFILL COVER.
 - ⑪ REMOVE AND DISPOSE OF EXISTING TREE.
 - ⑫ GRADE TO DRAIN STREET FLOWS TO EXISTING FLOW PATH.
 - ⑬ STRAIGHT GRADE TO FILL LOW AS DIRECTED BY ENGINEER.



★ PRELIMINARY ★
SUBJECT TO REVISION



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for the location of buried utility lines.
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TWO WORKING DAYS BEFORE YOU DIG

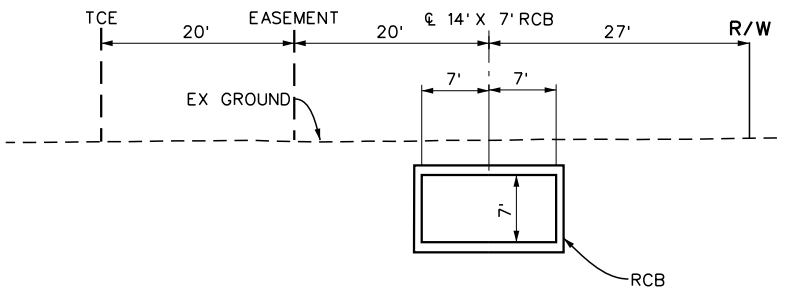
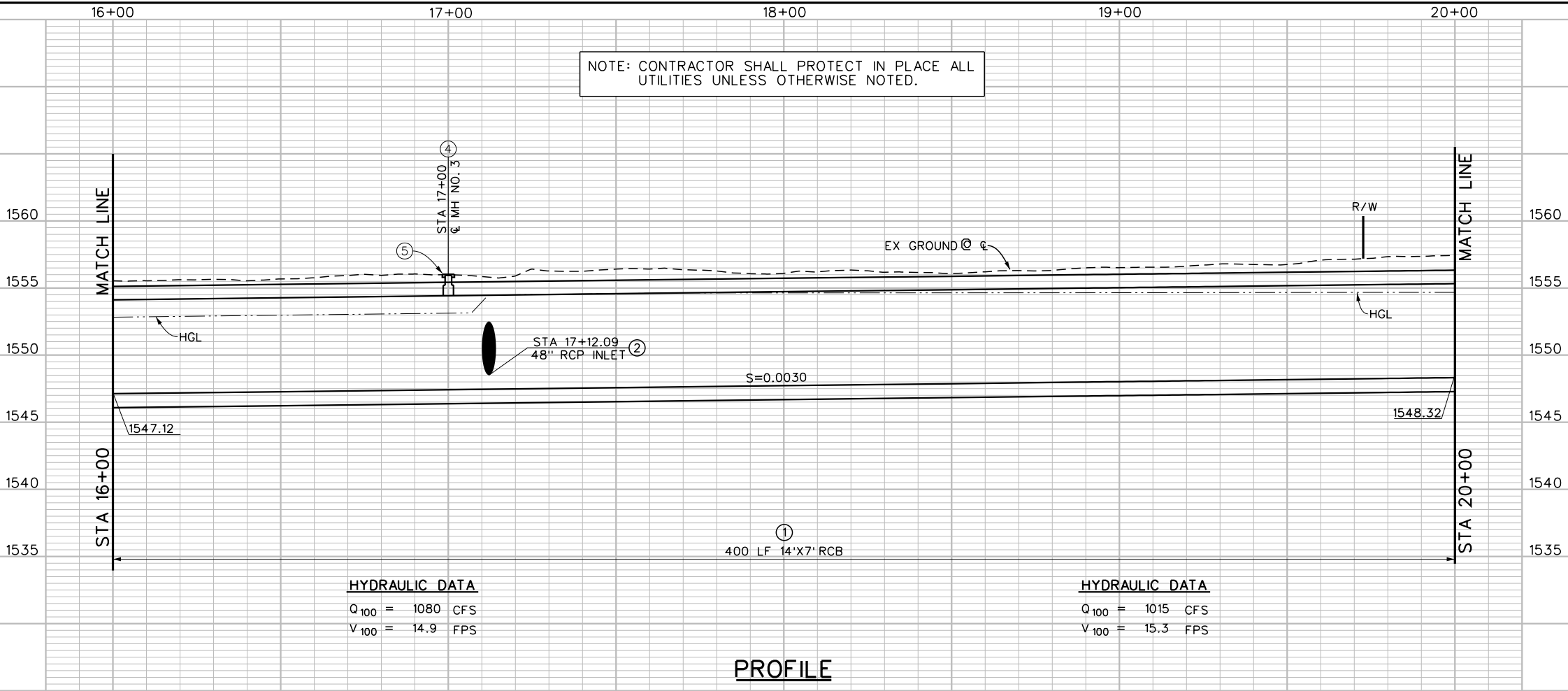
BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
|------|-------------|-------|------|
| | | | |
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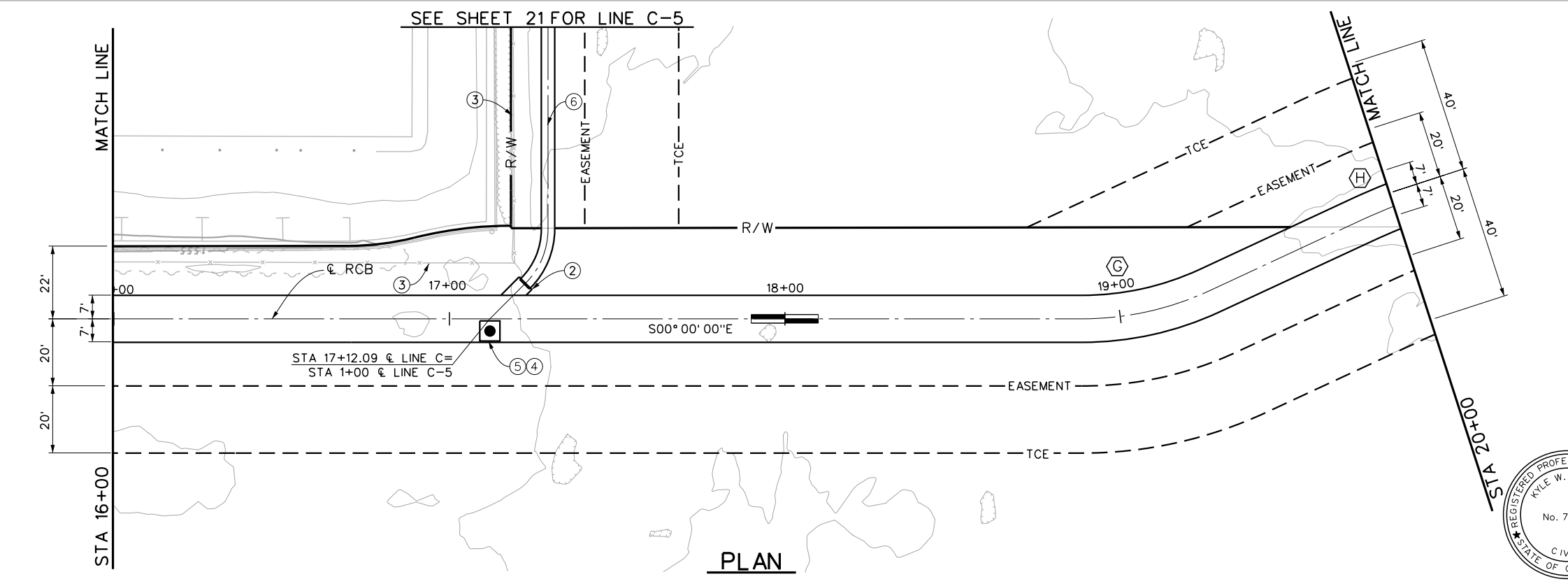
| DESIGNED BY: S. TSE | | |
|------------------------------|--------------|-------|
| RECOMMENDED FOR APPROVAL BY: | APPROVED BY: | DATE: |
| | | |

SAN JACINTO MDP
LINE C (STG 2)
STA. 12+00 TO STA. 16+00

| |
|--------------------------------|
| PROJECT NO. 4-0-0124 |
| DRAWING NO. 4-713 |
| SHEET NO. 05 OF XX |



| G | STORM DRAIN CURVE DATA | H | STORM DRAIN CURVE DATA |
|---|------------------------|---|------------------------|
| | Δ = 24° 52' 32.35" | | Δ = 25° 00' 34.43" |
| | R = 90.00' | | R = 180' |
| | L = 39.075' | | L = 78.57' |
| | T = 19.85' | | T = 39.92' |
| | BC = STA 18+88.61 | | BC = STA 19+78.20 |
| | EC = STA 19+27.69 | | EC = STA 20+56.77 |
| | PI = N 2223791.68 | | PI = N 2223691.97 |
| | E 6344249.49 | | E 6344295.72 |



- NOTES**
- ① CONSTRUCT 14'X7' REINFORCED CONCRETE BOX PER CALTRANS STD. D80 PLAN, PROFILE AND DETAIL.
 - ② CONSTRUCT JS NO.1 PER STD. JS 226. SEE DETAIL ON SHEET 21.
 - ③ PROTECT IN-PLACE EXISTING FENCE.
 - ④ CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - ⑤ CONSTRUCT 6'X6'X6" CONCRETE PAD PER DETAIL ON SHEET 33.
 - ⑥ LINE C-5 DETAILS ON SHEET 21.



★ PRELIMINARY ★
SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

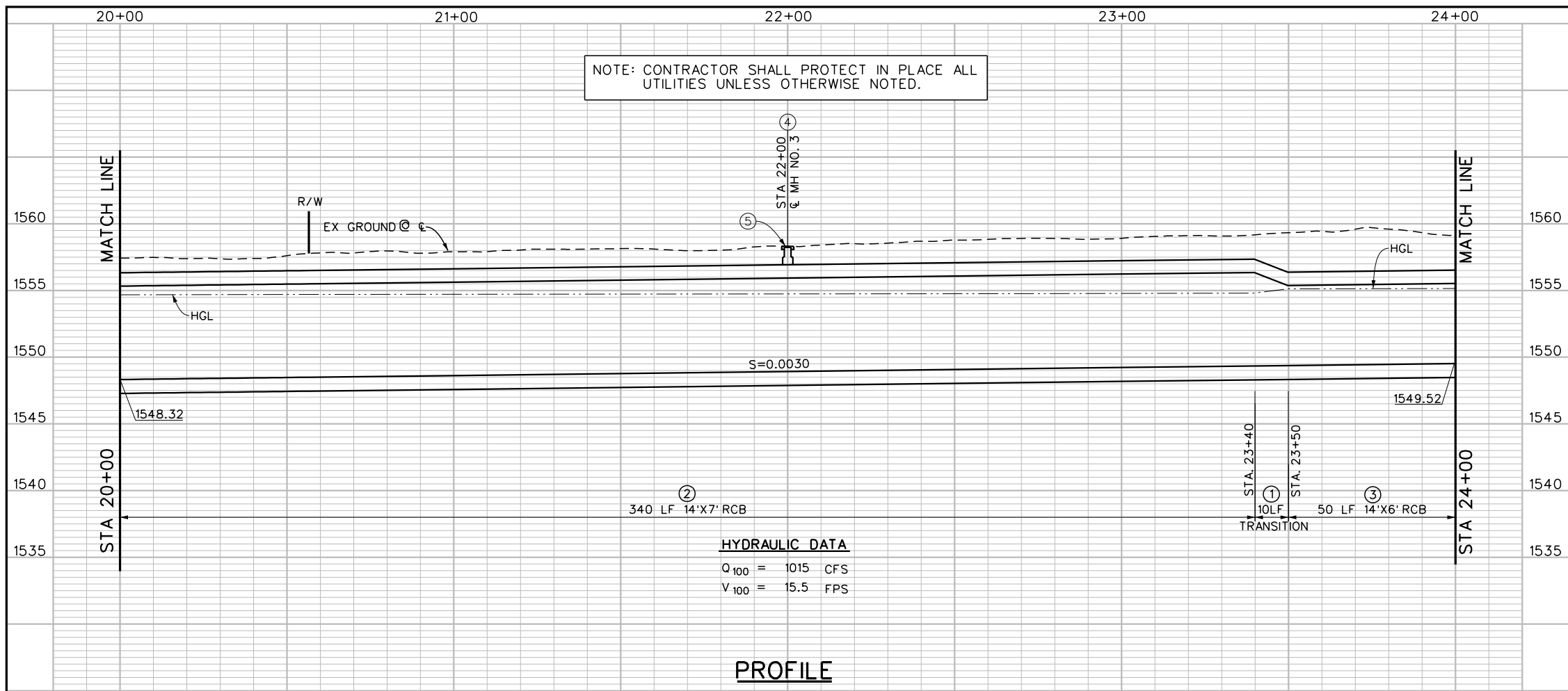
BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
|------|-------------|-------|------|
| | | | |
| | | | |

| DESIGNED BY: S. TSE | | |
|------------------------------|--------------|-------|
| RECOMMENDED FOR APPROVAL BY: | APPROVED BY: | |
| DRAWN BY: M. HOWARD | | |
| DATE DRAWN: JAN 2013 | DATE: | DATE: |

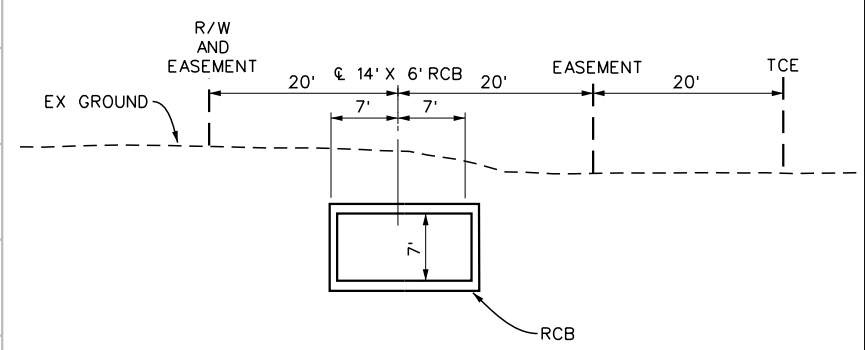
| RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | |
|----------------------------------------------------------------|----------------------|
| SAN JACINTO MDP | PROJECT NO. 4-0-0124 |
| LINE C (STG 2) | DRAWING NO. 4-713 |
| STA. 16+00 TO STA. 20+00 | SHEET NO. 06 OF XX |

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.

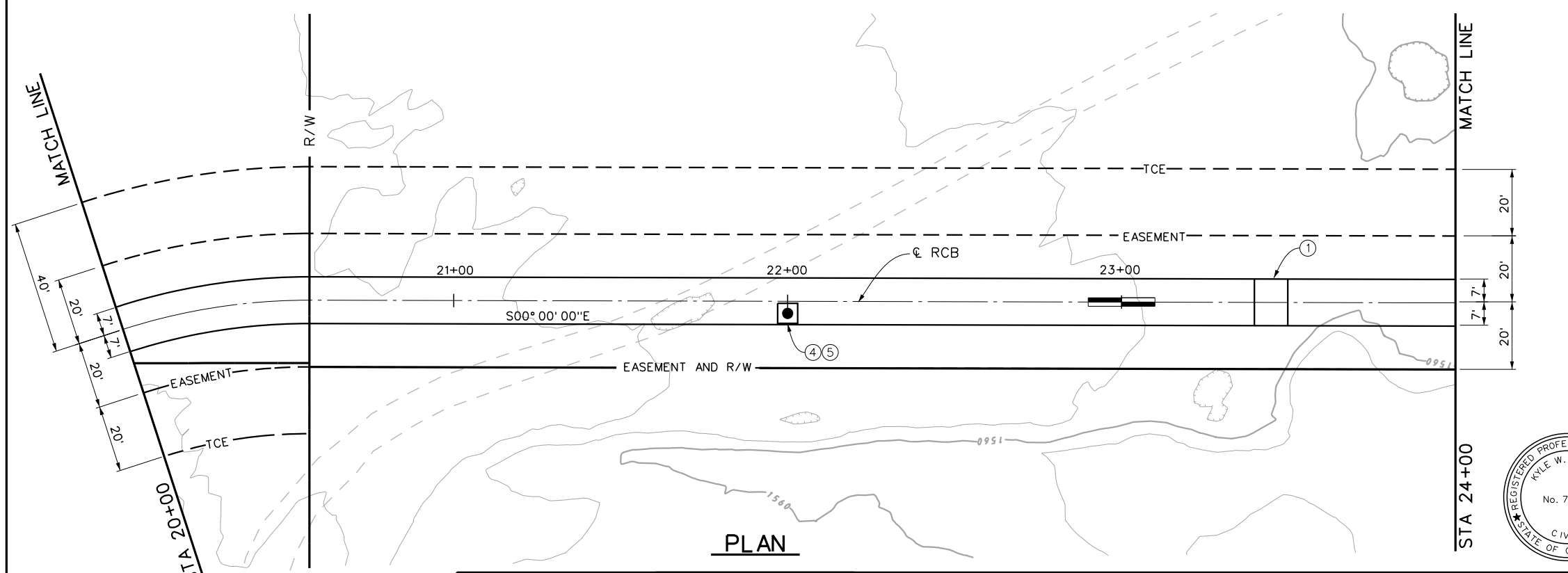


HYDRAULIC DATA
 Q₁₀₀ = 1015 CFS
 V₁₀₀ = 15.5 FPS

PROFILE

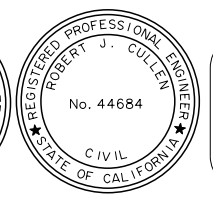


SECTION AT STATION 23+00
 10' 0 10'

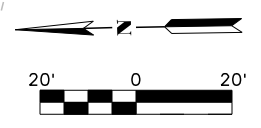


PLAN

- NOTES**
- ① CONSTRUCT TRANSITION STRUCTURE NO.2 PER STD TS302.
 - ② CONSTRUCT 14'X7' REINFORCED CONCRETE BOX PER CALTRANS STD D80, PLAN, PROFILE, AND DETAIL.
 - ③ CONSTRUCT 14'X6' REINFORCED CONCRETE BOX PER CALTRANS STD D80, PLAN, PROFILE, AND DETAIL.
 - ④ CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - ⑤ CONSTRUCT 6'X6' CONCRETE PAD PER DETAIL ON SHEET 33.



★ **PRELIMINARY** ★
 SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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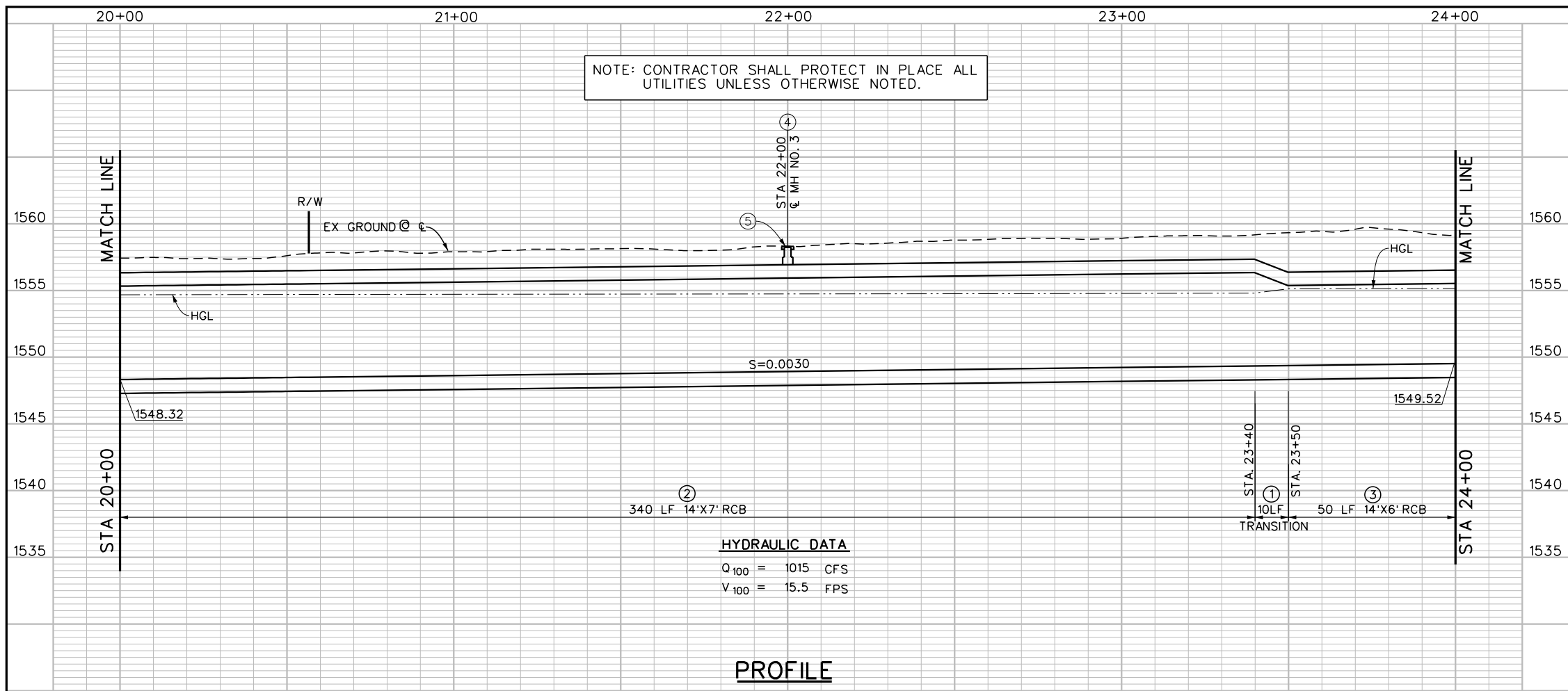
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| DESIGNED BY: S. TSE | | | RECOMMENDED FOR APPROVAL BY: | | | APPROVED BY: | | |
| DRAWN BY: M. HOWARD | | | DATE: | | | DATE: | | |
| DATE DRAWN: JAN 2013 | | | DATE: | | | DATE: | | |

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 20+00 TO STA. 24+00

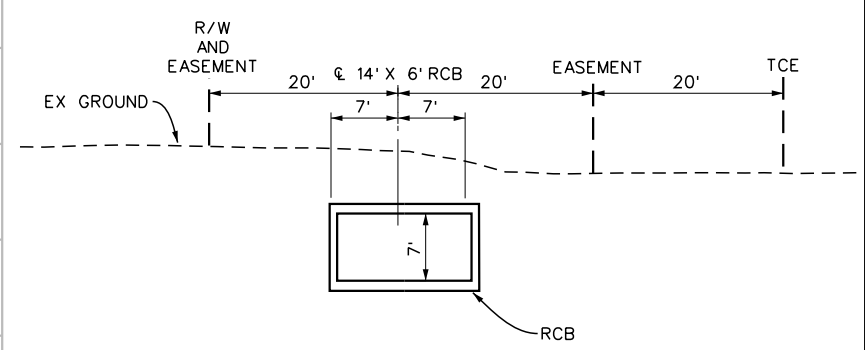
PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 07 OF XX

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.

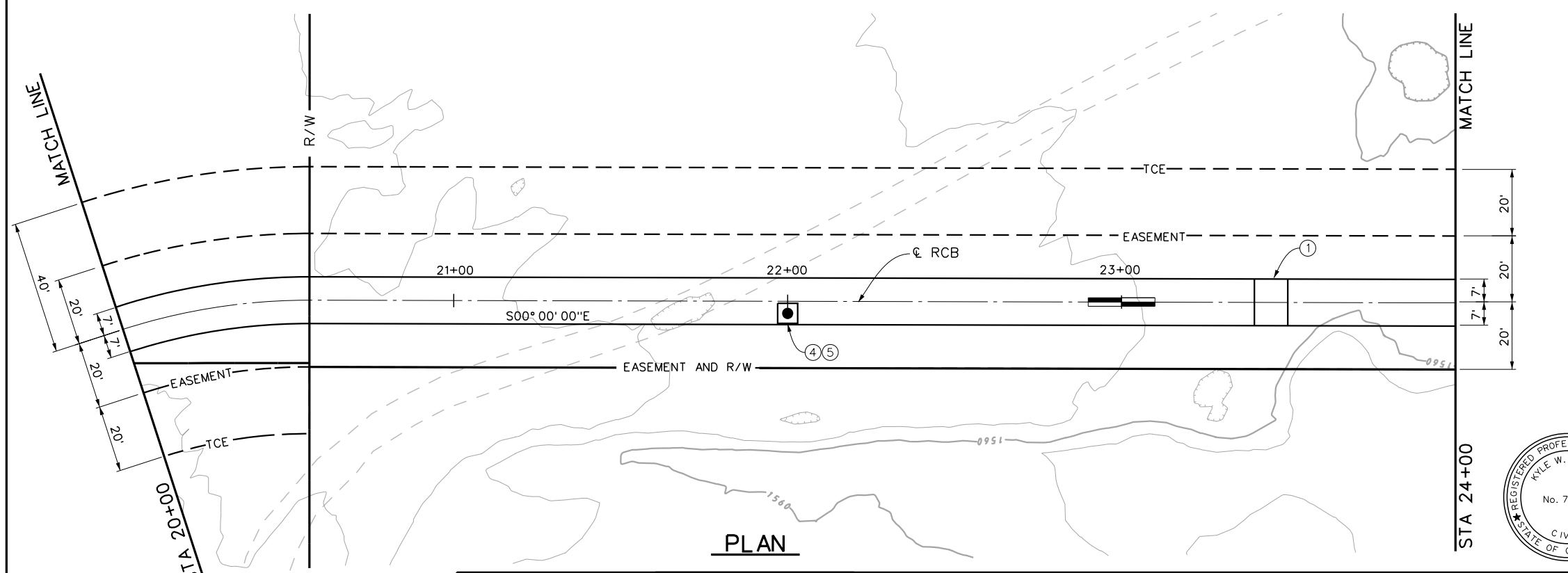


HYDRAULIC DATA
 Q₁₀₀ = 1015 CFS
 V₁₀₀ = 15.5 FPS

PROFILE



SECTION AT STATION 23+00
 10' 0 10'



PLAN

- NOTES**
- CONSTRUCT TRANSITION STRUCTURE NO.2 PER STD TS302.
 - CONSTRUCT 14'X7' REINFORCED CONCRETE BOX PER CALTRANS STD D80, PLAN, PROFILE, AND DETAIL.
 - CONSTRUCT 14'X6' REINFORCED CONCRETE BOX PER CALTRANS STD D80, PLAN, PROFILE, AND DETAIL.
 - CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - CONSTRUCT 6'X6' CONCRETE PAD PER DETAIL ON SHEET 33.



★ PRELIMINARY ★
 SUBJECT TO REVISION

Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

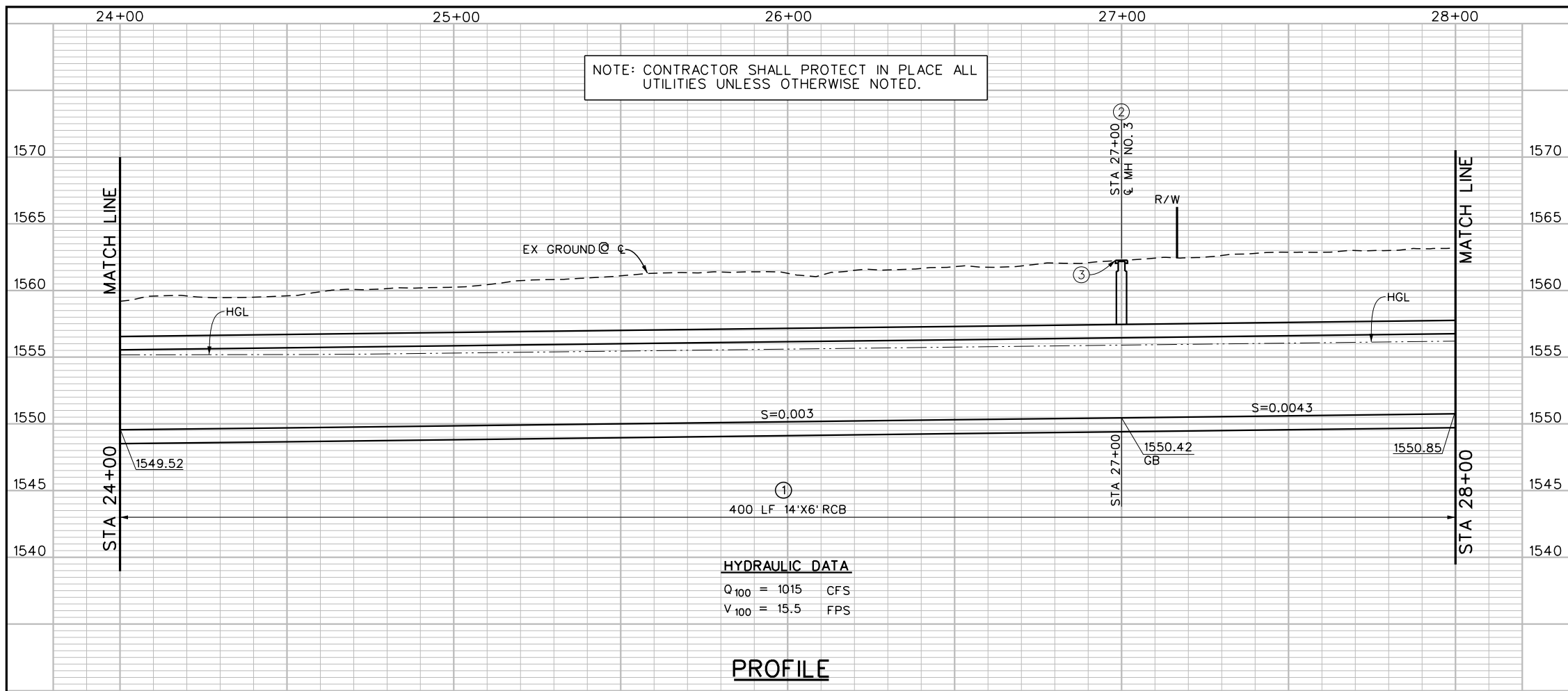
RECOMMENDED FOR APPROVAL BY: _____
 DATE: _____

APPROVED BY: _____
 DATE: _____

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 20+00 TO STA. 24+00

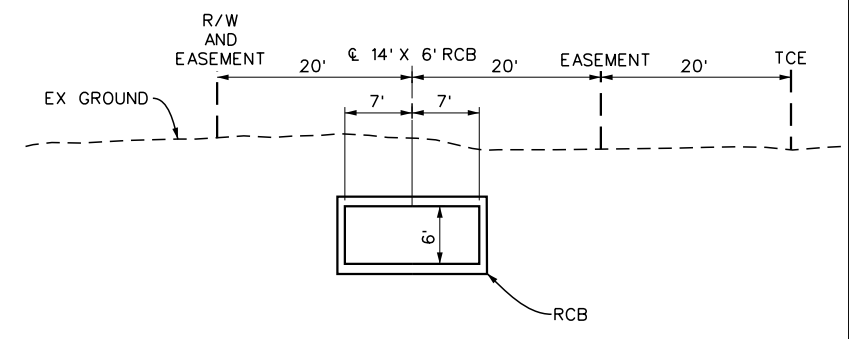
PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 07 OF XX

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



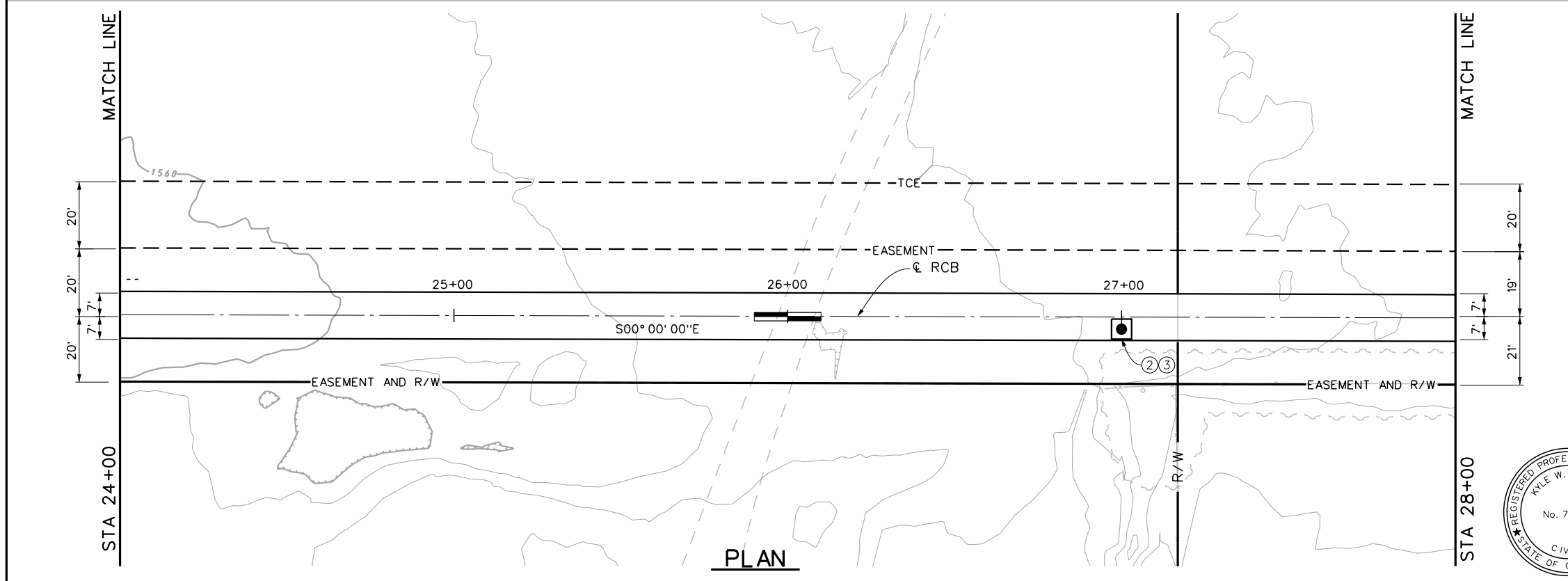
HYDRAULIC DATA
 Q₁₀₀ = 1015 CFS
 V₁₀₀ = 15.5 FPS

PROFILE



SECTION AT STATION 26+00
 10' 0 10'

- NOTES**
- ① CONSTRUCT 14'X6' REINFORCED CONCRETE BOX PER CALTRANS STD. D80, PLAN, PROFILE AND DETAIL.
 - ② CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - ③ CONSTRUCT 6'X6'X6" CONCRETE PAD PER DETAILS ON SHEET 33.



PLAN



★ PRELIMINARY ★
 SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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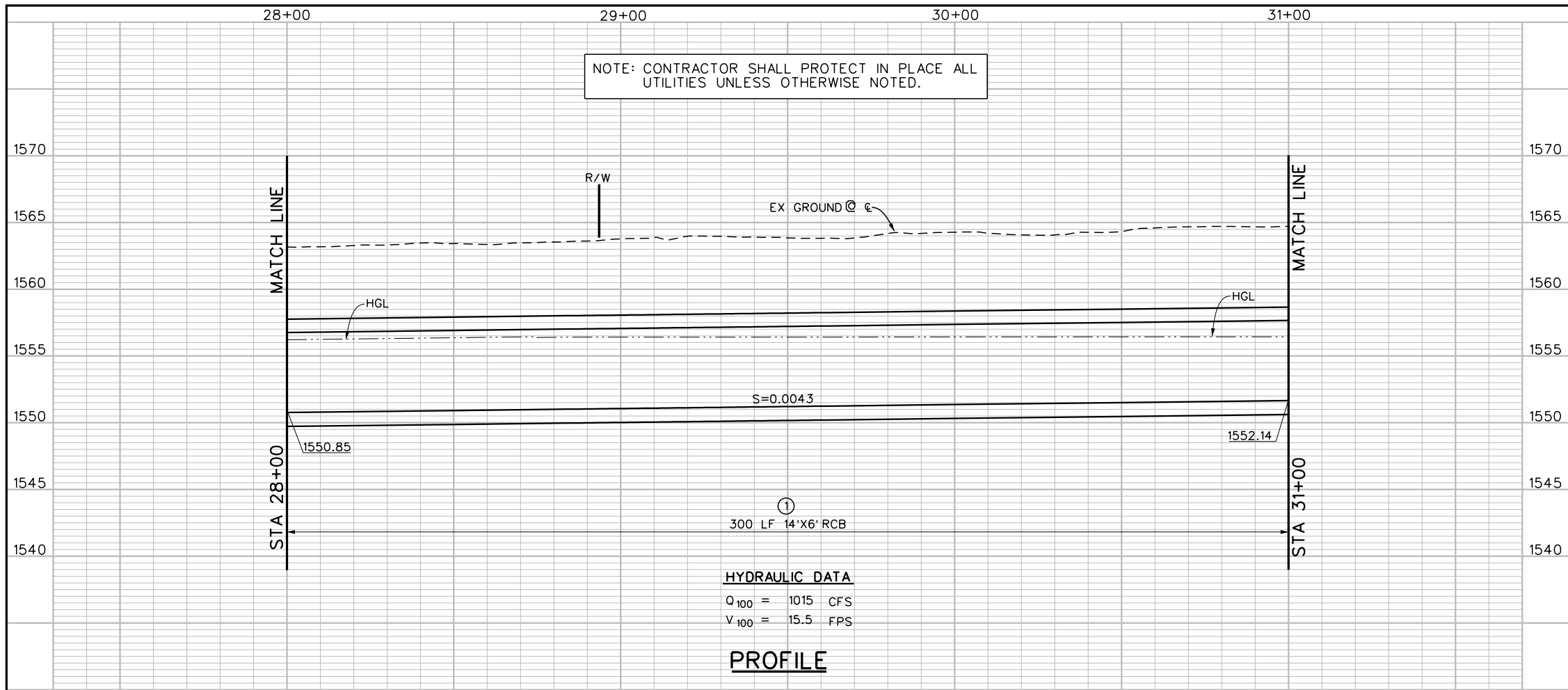
DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: _____
 APPROVED BY: _____
 DATE: _____

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 24+00 TO STA. 28+00

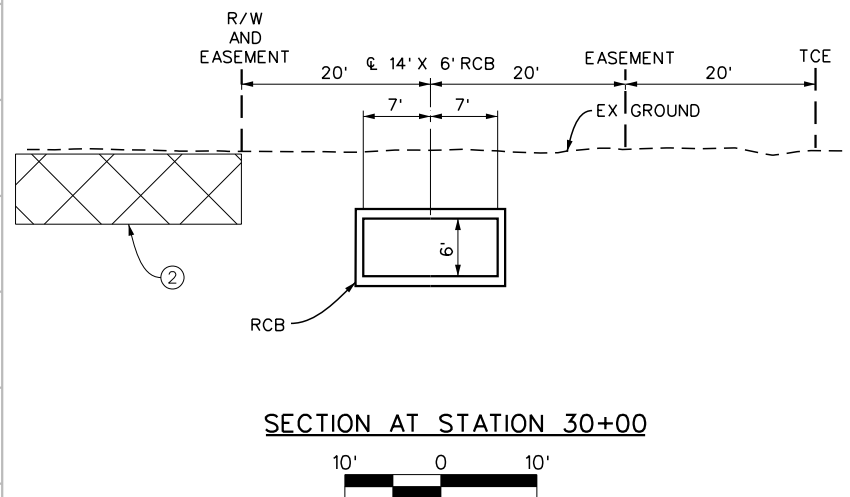
PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 08 OF XX

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



HYDRAULIC DATA
 $Q_{100} = 1015$ CFS
 $V_{100} = 15.5$ FPS

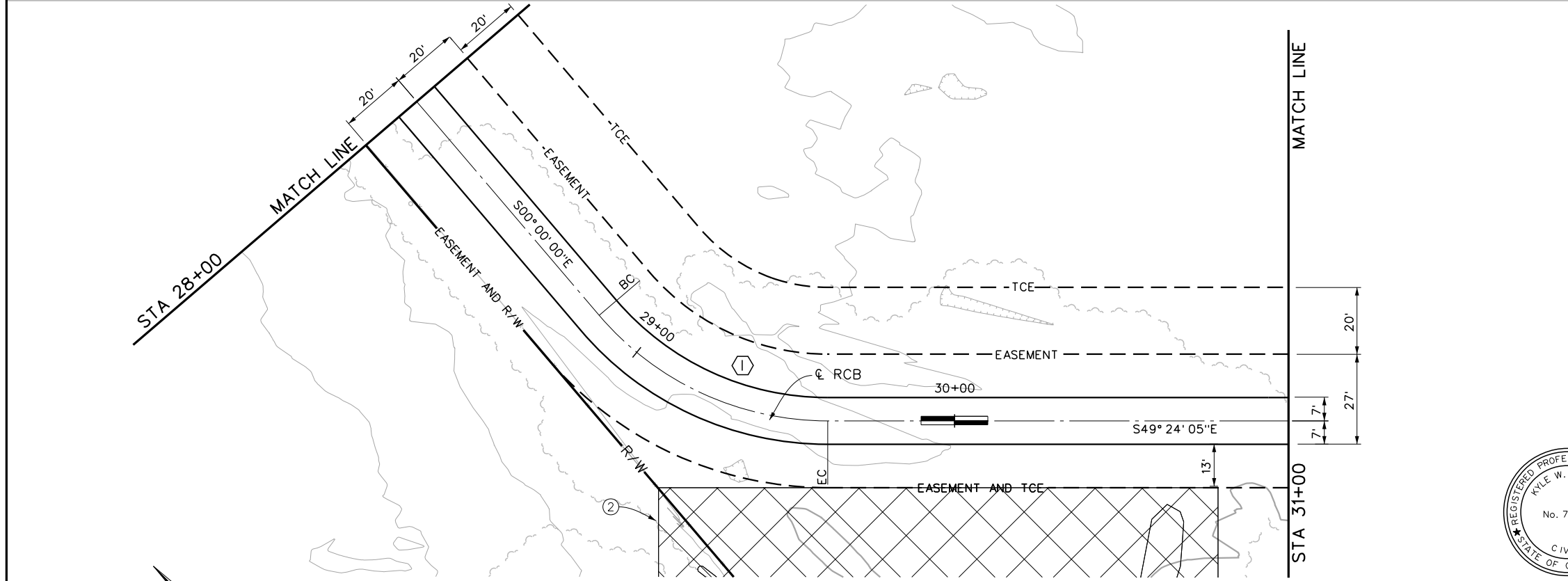
PROFILE



ENVIRONMENTALLY SENSITIVE AREA
 WARNING: THE CONTRACTOR SHALL NOT ENTER OR DAMAGE ANY VEGETATION OUTSIDE OF THE CONSTRUCTION / EXCAVATION LIMITS.

CHANNEL CURVE DATA
 $\Delta = 49^\circ 32' 07.07''$
 $R = 90.00'$
 $L = 77.81'$
 $T = 41.524'$
 $BC = STA 28+84.20$
 $EC = STA 29+62.00$
 $PI = N 2222782.943$
 $E 6344293.597$

- NOTES**
- CONSTRUCT 14'x6' REINFORCED CONCRETE BOX PER CALTRANS STD. D80, PLAN, PROFILE, AND DETAIL.
 - ANY GRADING OR OTHER DISTURBANCES WITHIN THE ENVIRONMENTALLY SENSITIVE AREA IS NOT AUTHORIZED BY RCFC&WCD.



PLAN
 20' 0 20'

Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

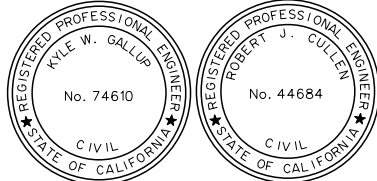
BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
|------|-------------|-------|------|
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

RECOMMENDED FOR APPROVAL BY: _____
 APPROVED BY: _____
 DATE: _____

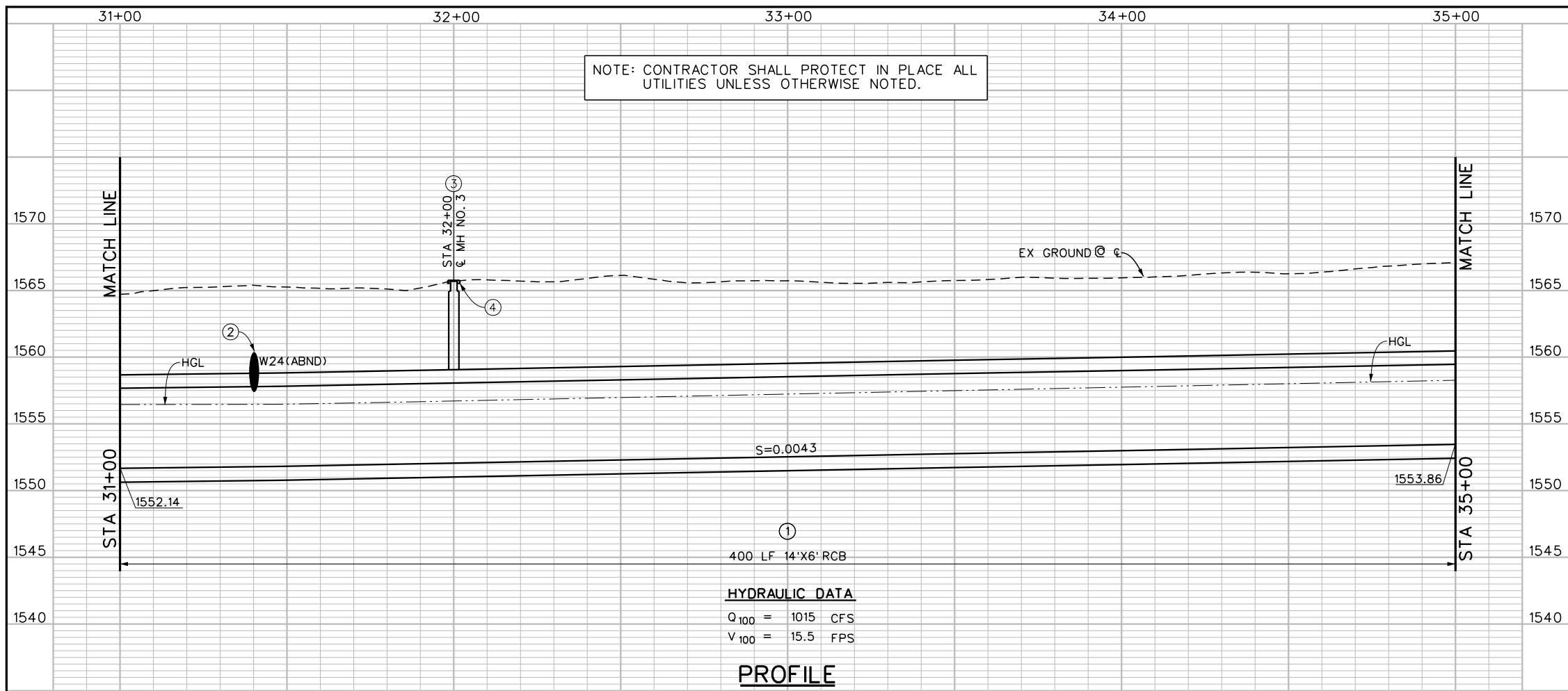


★ PRELIMINARY ★
 SUBJECT TO REVISION

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 27+50 TO STA. 31+00

PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 09 OF XX

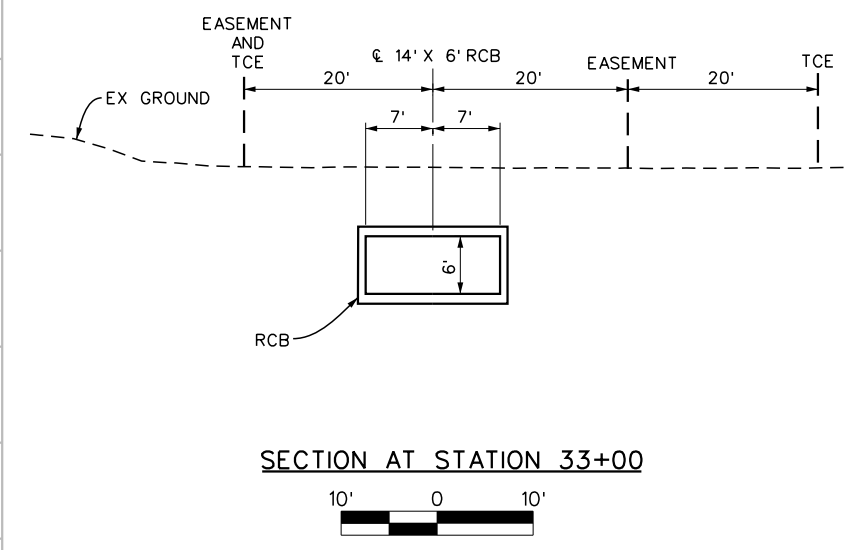
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



①
400 LF 14'X6' RCB

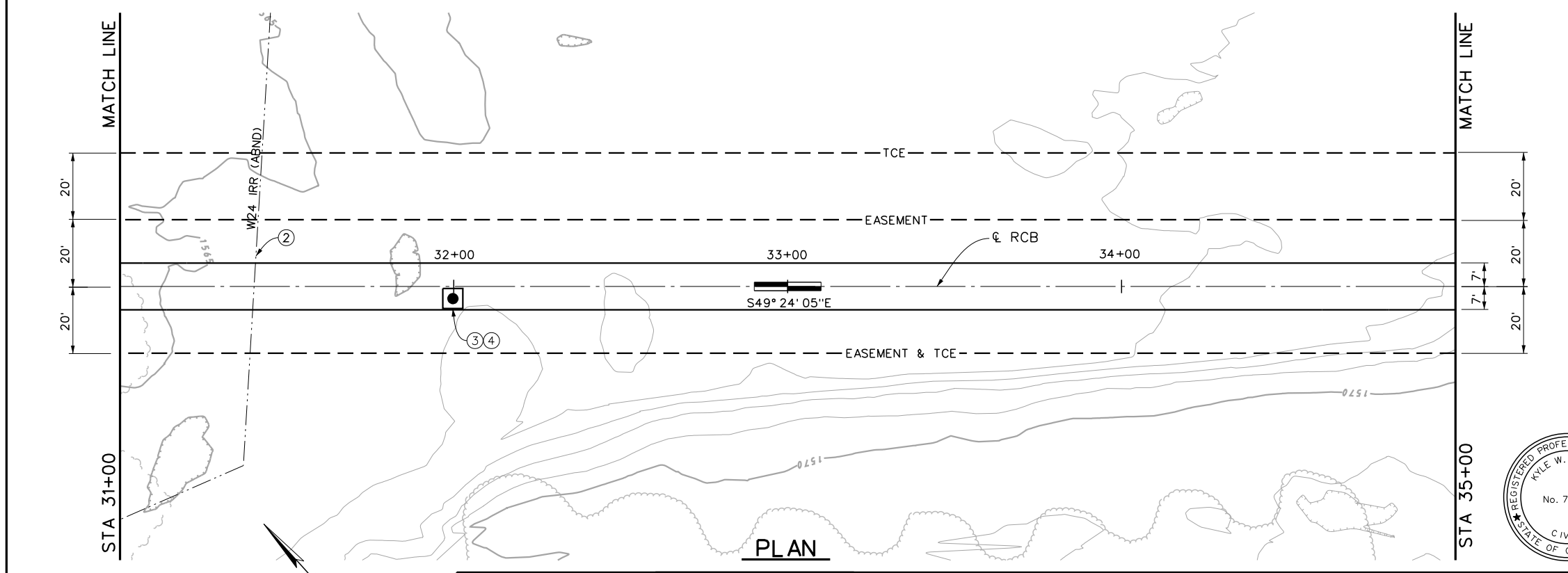
HYDRAULIC DATA
 $Q_{100} = 1015$ CFS
 $V_{100} = 15.5$ FPS

PROFILE



SECTION AT STATION 33+00

- NOTES**
- ① CONSTRUCT 14'X6' REINFORCED CONCRETE BOX PER CALTRANS STD. D80, PLAN, PROFILE, AND DETAIL.
 - ② CUT AND PLUG INTERFERING PORTION OF EXISTING ABANDONED 24" WATER LINE.
 - ③ CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - ④ CONSTRUCT 6'X6'X6" CONCRETE PAD PER DETAILS ON SHEET 33.



PLAN



★ **PRELIMINARY** ★
 SUBJECT TO REVISION

Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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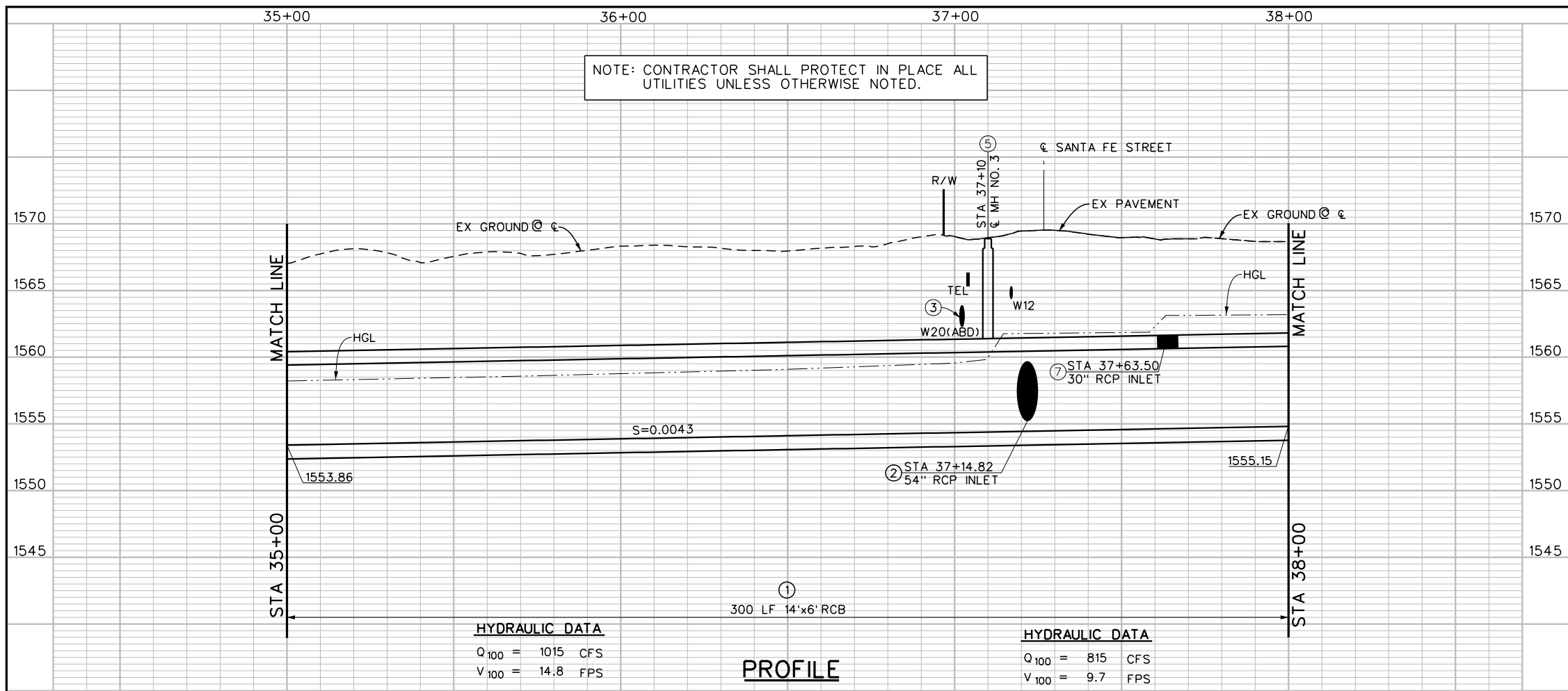
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| DESIGNED BY: S. TSE | | | RECOMMENDED FOR APPROVAL BY: | | |
| DRAWN BY: M. HOWARD | | | APPROVED BY: | | |
| DATE DRAWN: JAN 2013 | | | DATE: | | |

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 31+00 TO STA. 35+00

PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 10 OF XX

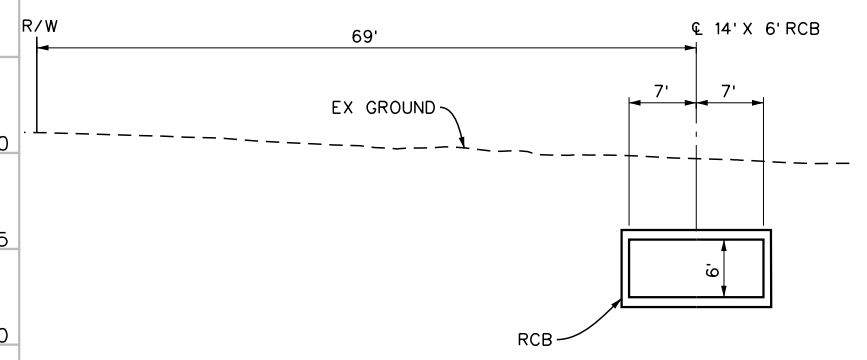
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



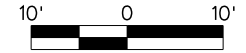
HYDRAULIC DATA
 $Q_{100} = 1015$ CFS
 $V_{100} = 14.8$ FPS

PROFILE

HYDRAULIC DATA
 $Q_{100} = 815$ CFS
 $V_{100} = 9.7$ FPS



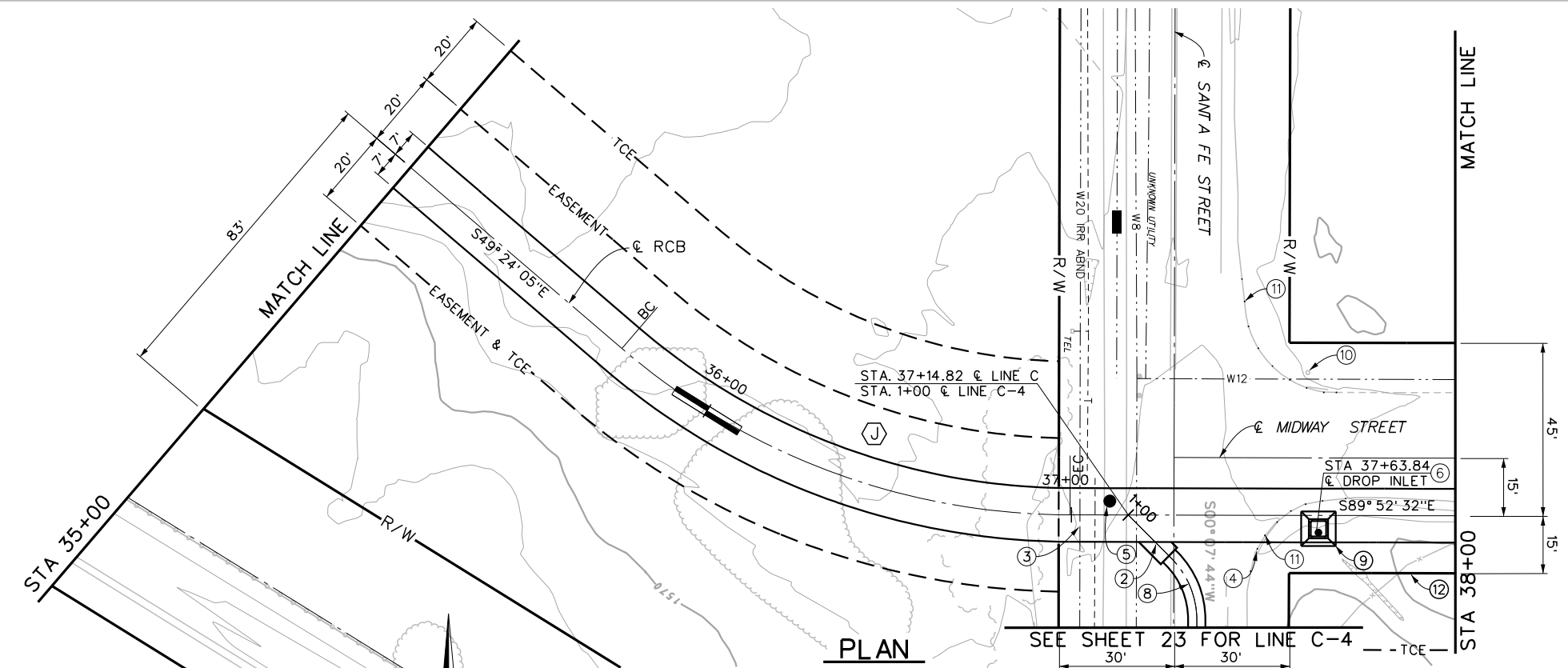
SECTION AT STATION 36+00



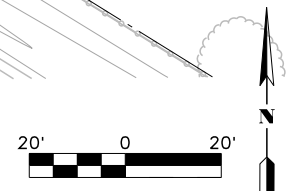
STORM DRAIN CURVE DATA
 $\Delta = 40^\circ 28' 27''$
 $R = 180.00'$
 $L = 127.15'$
 $T = 66.36'$
 $BC = \text{STA } 35+72.54$
 $EC = \text{STA } 36+99.69$
 $PI = N 2222315.25$
 $E 6344839.29$

NOTES

- 1 CONSTRUCT 14'X6' REINFORCED CONCRETE BOX PER CALTRANS STD D80, PLAN, PROFILE, AND DETAIL.
- 2 CONSTRUCT JS NO.1 PER STD JS226. SEE DETAIL ON SHEET 23.
- 3 REMOVE AND PLUG INTERFERING PORTION OF EXISTING ABANDONED 20" WATER LINE.
- 4 CONSTRUCT HMA BERM PER DETAILS ON SHEET XX.
- 5 CONSTRUCT MANHOLE NO. 3 PER STD MH253.
- 6 CONSTRUCT DROP INLET WITH FOUR OPENINGS PER STD CB110. $V=4'$, $W=4.5'$, & $A=4.5'$. 3.87LF-30" RCP CLASS IV. SEE PROFILE ON SHEET 25.
- 7 CONSTRUCT JS NO. 3 CASE 3 PER STD JS228. $D=30''$. SEE PROFILE ON SHEET 25.
- 8 LINE C-4 DETAILS ON SHEET 23.
- 9 CONSTRUCT CONCRETE APRON PER DETAIL ON SHEET XX AND GRADE TO DRAIN.
- 10 REMOVE AND REPLACE STOP SIGN.
- 11 PAINT WHITE STRIPING PER DETAILS ON SHEET XX.
- 12 INSTALL 3 STRANDED BARBED WIRE FENCE PER STD M818 ALONG ROAD R/W FROM STA 37+56.67 TO STA 46+00.



PLAN



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

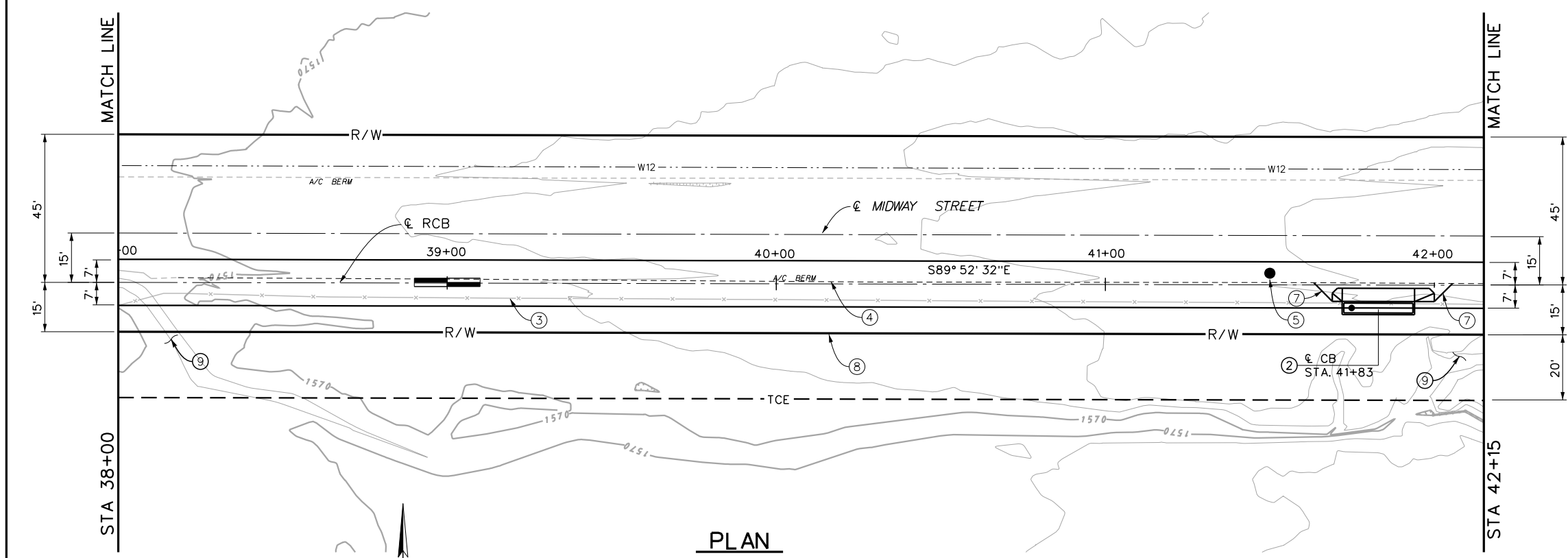
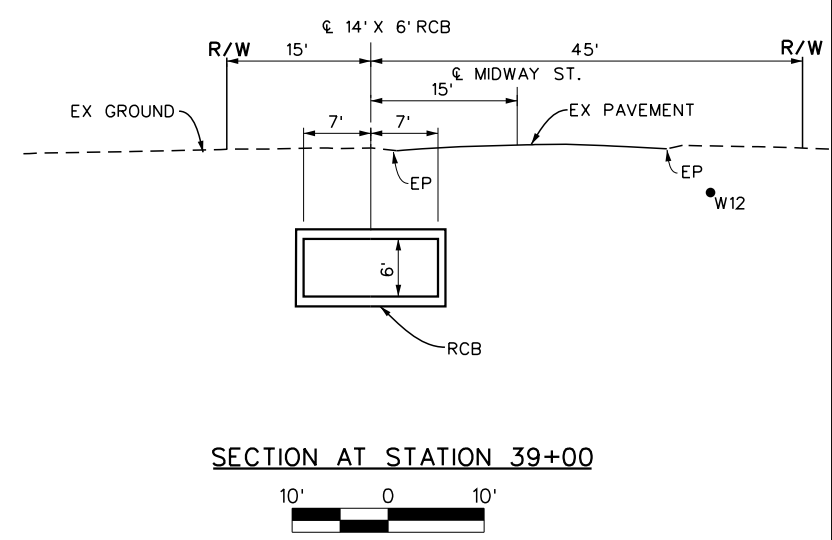
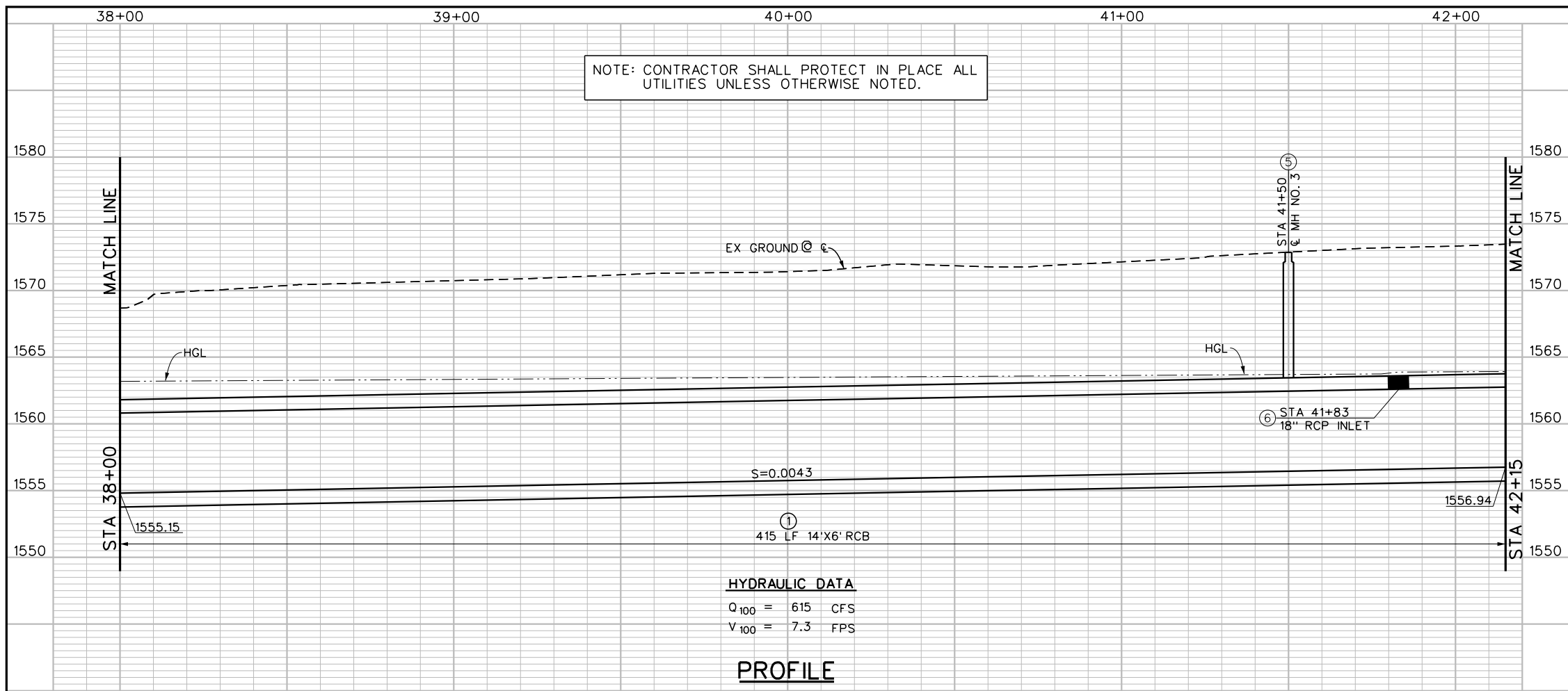
RECOMMENDED FOR APPROVAL BY: _____
 APPROVED BY: _____



★ PRELIMINARY ★
 SUBJECT TO REVISION

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 35+00 TO STA. 38+00

PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 11 OF XX



- NOTES**
- ① CONSTRUCT 14'X6' REINFORCED CONCRETE BOX PER CALTRANS STD D80 PLAN, PROFILE, AND DETAIL.
 - ② CONSTRUCT CATCH BASIN NO.1 PER STD CB100. V=3.5' & W=21'. 9.45LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 25.
 - ③ REMOVE AND DISPOSE EXISTING FENCE/DELINEATORS.
 - ④ REMOVE AND REPLACE INTERFERING PORTIONS OF HMA BERM. SEE DETAILS ON SHEET XX.
 - ⑤ CONSTRUCT MANHOLE NO. 3 PER STD MH253.
 - ⑥ CONSTRUCT JS NO. 3 CASE 3 PER STD JS228. D=18". SEE PROFILE ON SHEET 25.
 - ⑦ CONSTRUCT 6" HMA CURB AND CURB TRANSITION PER DETAILS ON SHEET XX.
 - ⑧ INSTALL 3 STRANDED BARBED WIRE FENCE PER STD M818 ALONG ROAD R/W FROM STA 37+56.67 TO STA 46+00.
 - ⑨ BACKFILL TO DRAIN FLOWS ONTO STREET AS DIRECTED BY ENGINEER.

★ PRELIMINARY ★
SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

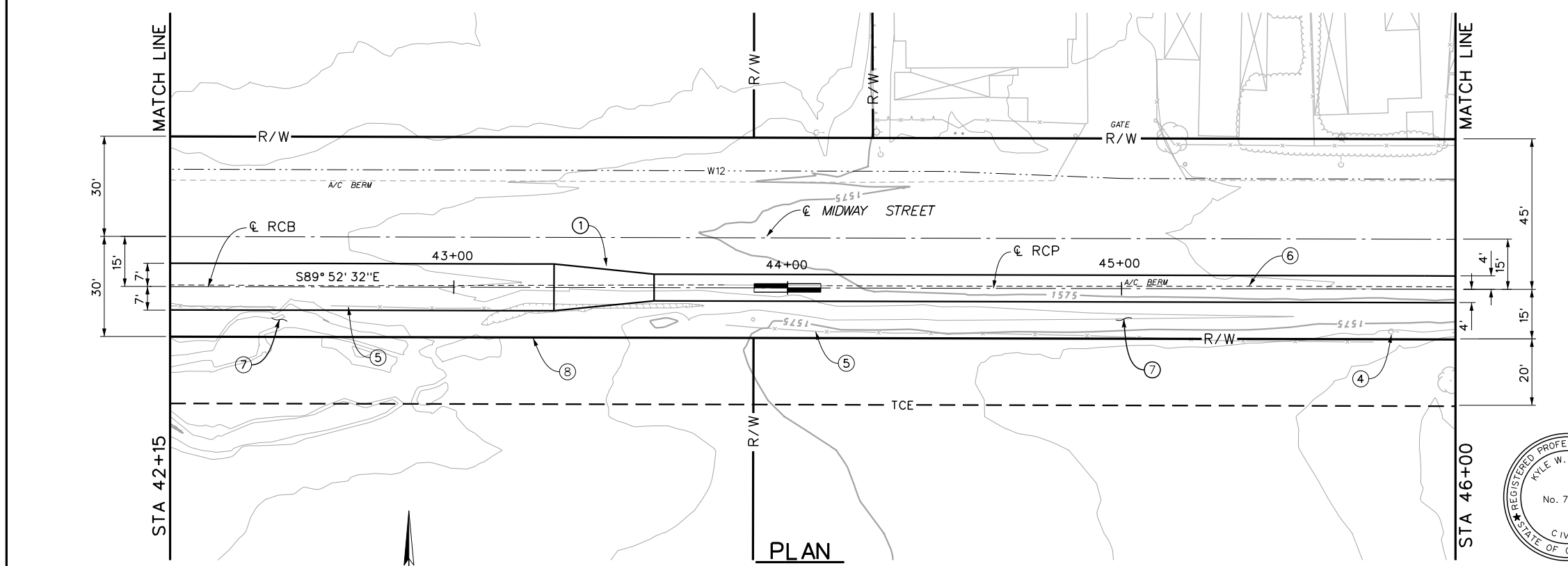
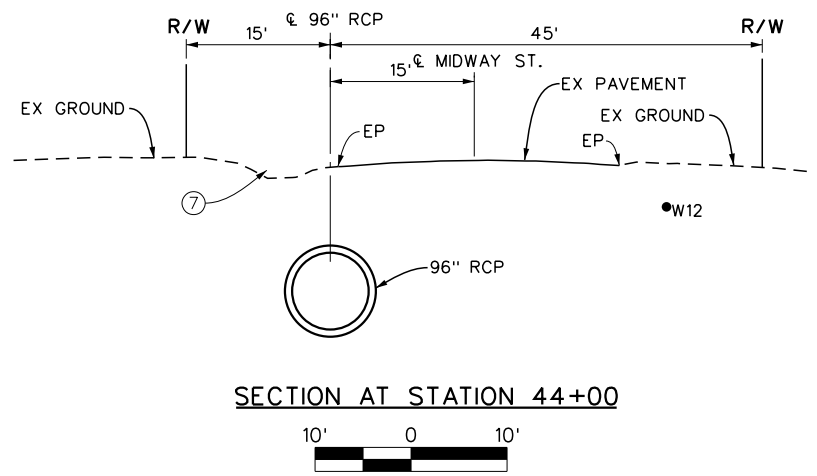
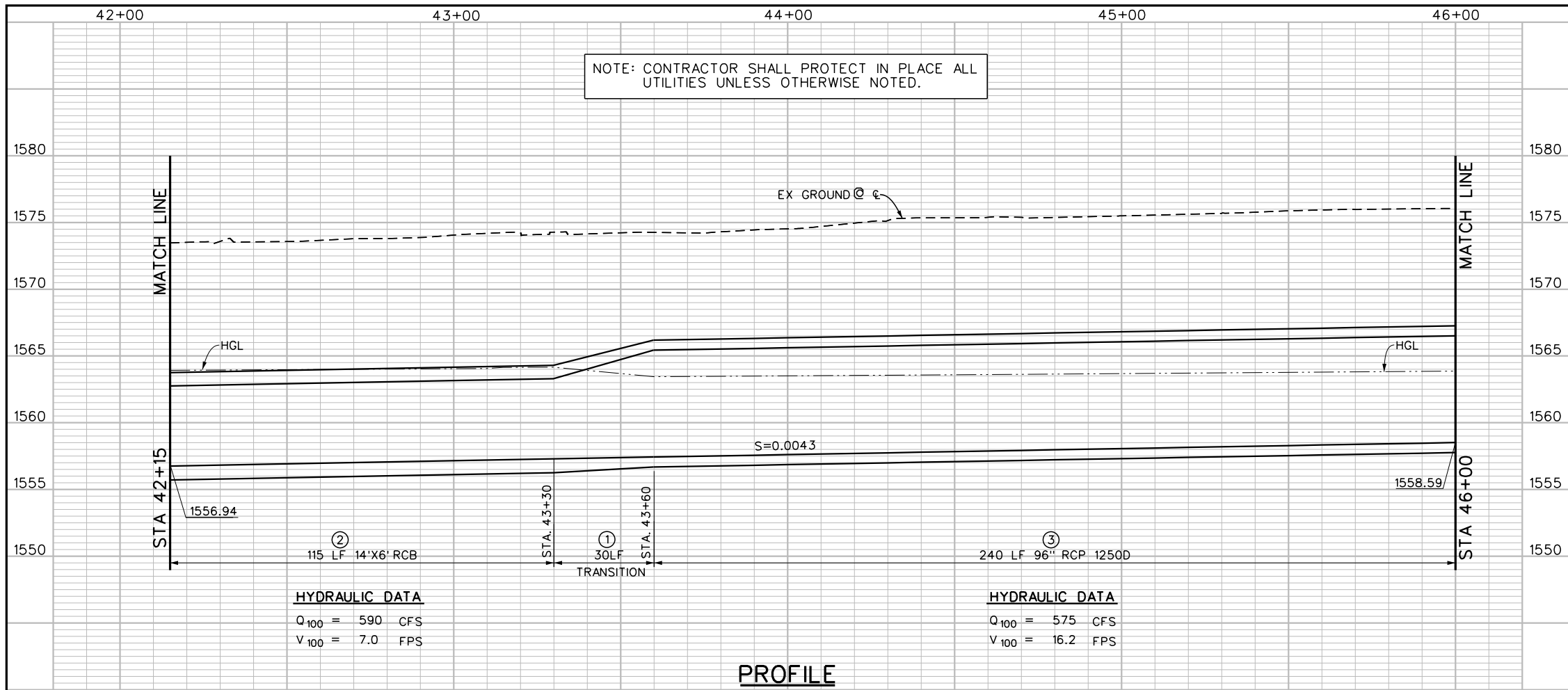
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| RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | | |
| DESIGNED BY: S. TSE | RECOMMENDED FOR APPROVAL BY: | APPROVED BY: |
| DRAWN BY: M. HOWARD | | |
| DATE DRAWN: JAN 2013 | DATE: | DATE: |

SAN JACINTO MDP
LINE C (STG 2)
STA. 38+00 TO STA. 42+00

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|--------------------------------|
| PROJECT NO. 4-0-0124 |
| DRAWING NO. 4-713 |
| SHEET NO. 12 OF XX |

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



- NOTES**
- 1 CONSTRUCT TRANSITION STRUCTURE NO.1 PER STD TS301.
 - 2 CONSTRUCT 14'X6' REINFORCED CONCRETE BOX PER CALTRANS STD D80 PLAN, PROFILE, AND DETAIL.
 - 3 CONSTRUCT CONCRETE REINFORCED PIPE WITH D=96".
 - 4 PROTECT IN-PLACE EXISTING GUY-WIRE.
 - 5 REMOVE AND DISPOSE EXISTING FENCE/DELINATORS.
 - 6 REMOVE AND REPLACE INTERFERING PORTIONS OF HMA BERM.
 - 7 SEE DETAILS ON SHEET XX.
 - 8 INSTALL 3 STRANDED BARBED WIRE FENCE PER STD M818 ALONG ROAD R/W FROM STA 37+56.67 TO STA 46+00.
 - 9 BACKFILL TO DRAIN FLOWS ONTO STREET AS DIRECTED BY ENGINEER.



★ **PRELIMINARY** ★
SUBJECT TO REVISION



BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

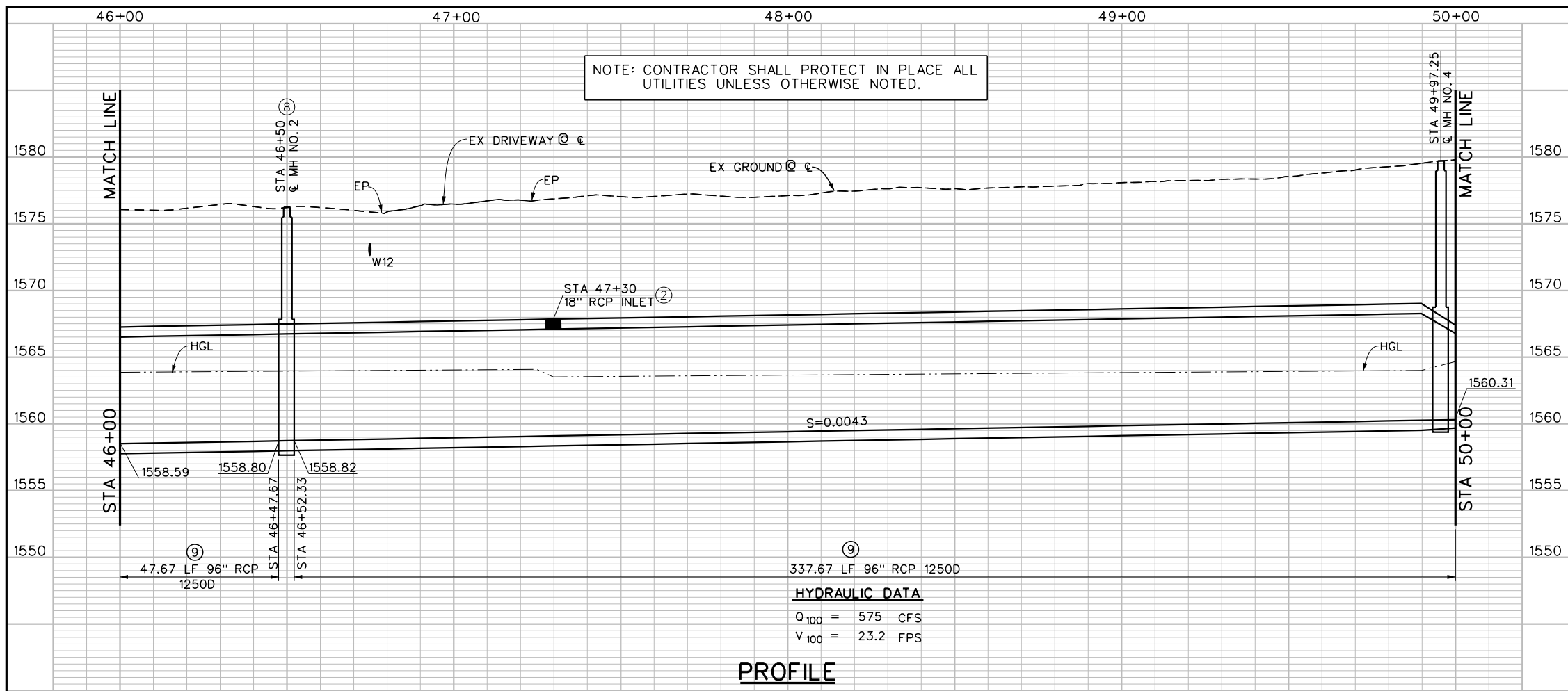
DESIGNED BY: S. TSE
DRAWN BY: M. HOWARD
DATE DRAWN: JAN 2013

RECOMMENDED FOR APPROVAL BY: _____
APPROVED BY: _____

DATE: _____ DATE: _____

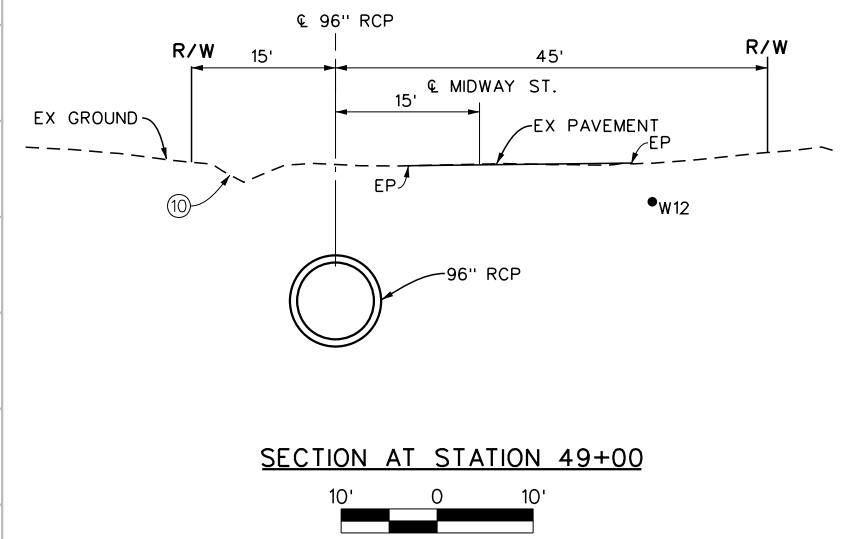
SAN JACINTO MDP
LINE C (STG 2)
STA. 42+00 TO STA. 46+00

PROJECT NO. 4-0-0124
DRAWING NO. 4-713
SHEET NO. 13 OF XX



HYDRAULIC DATA
 Q₁₀₀ = 575 CFS
 V₁₀₀ = 23.2 FPS

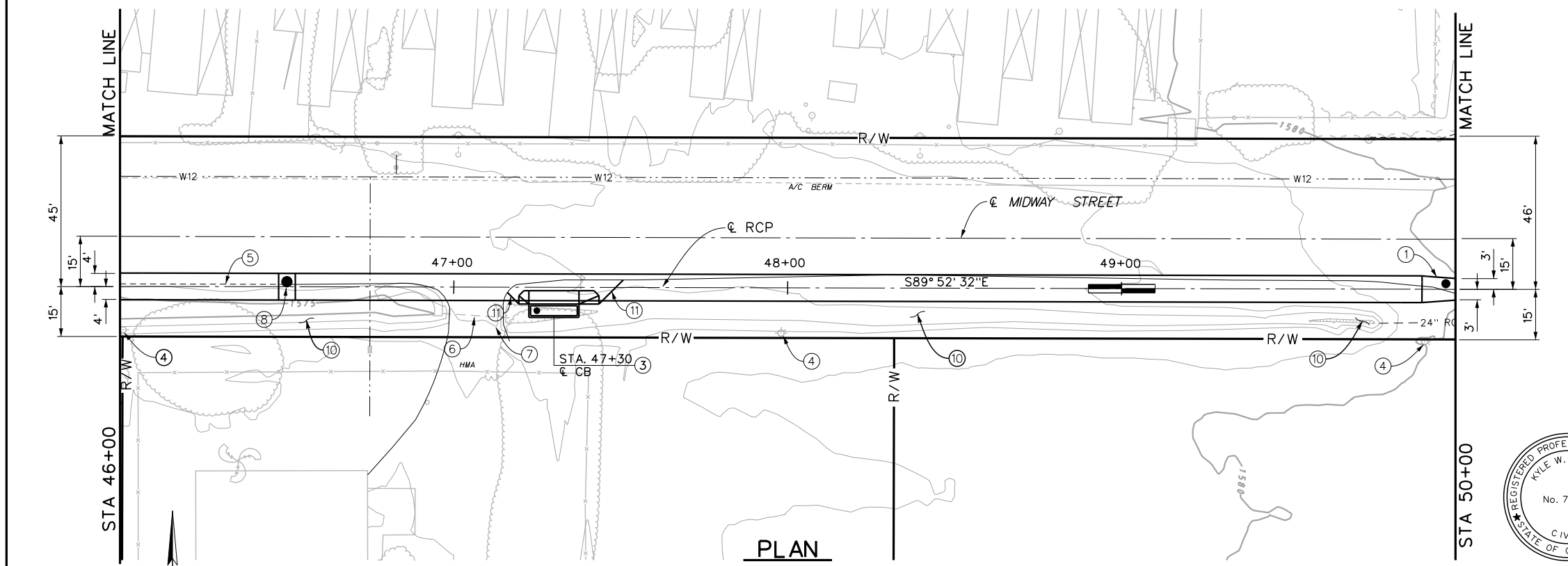
PROFILE



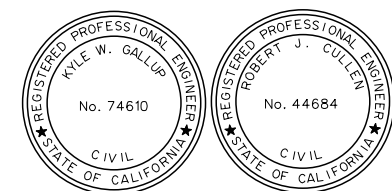
SECTION AT STATION 49+00

NOTES

- ① CONSTRUCT MANHOLE NO. 4 PER STD MH254.D₁=78", D₂=96".
- ② CONSTRUCT JS NO.4 CASE 2 PER STD JS229. D=18". SEE PROFILE ON SHEET 25.
- ③ CONSTRUCT CATCH BASIN NO.1 PER STD CB100. V=3' & W=14'. 9.44LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 25.
- ④ PROTECT IN-PLACE EXISTING POWER POLE.
- ⑤ REMOVE AND REPLACE INTERFERING PORTIONS OF HMA BERM. SEE DETAILS ON SHEET XX.
- ⑥ REMOVE AND DISPOSE EXISTING CULVERT.
- ⑦ BACKFILL TO DRAIN FLOWS ONTO STREET AS DIRECTED BY ENGINEER.
- ⑧ CONSTRUCT MANHOLE NO. 2 PER STD MH252.
- ⑨ CONSTRUCT REINFORCED CONCRETE PIPE WITH D=96".
- ⑩ BACKFILL TO DRAIN FLOWS ONTO STREET AS DIRECTED BY ENGINEER.
- ⑪ CONSTRUCT 6" HMA CURB AND CURB TRANSITION PER DETAILS ON SHEET XX.



PLAN



★ PRELIMINARY ★
 SUBJECT TO REVISION

Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REVISIONS | DESCRIPTION | APPR. | DATE |
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

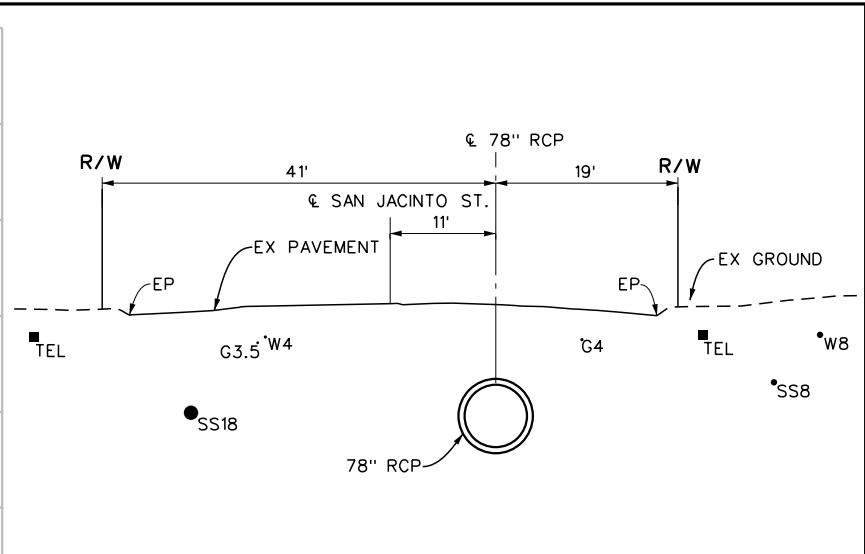
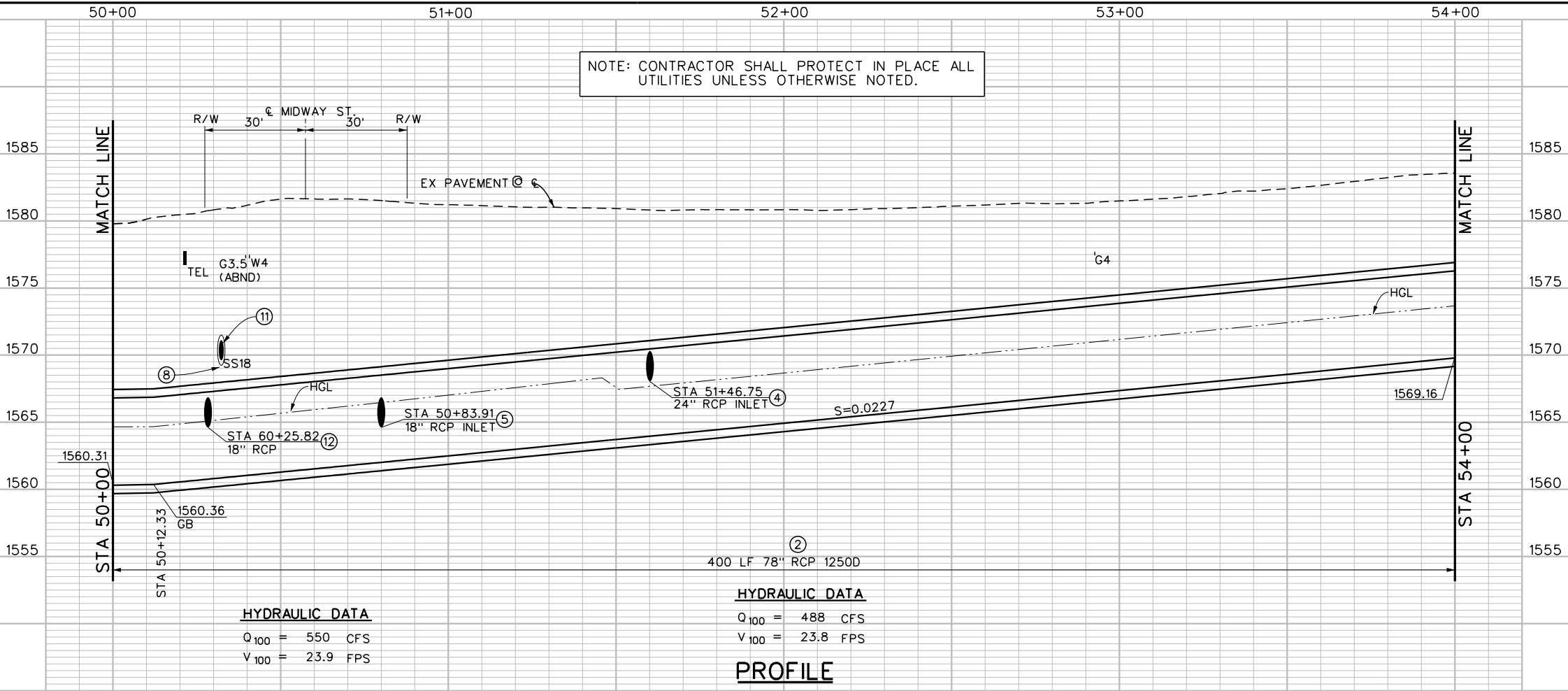
DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

RECOMMENDED FOR APPROVAL BY: _____
 DATE: _____

APPROVED BY: _____
 DATE: _____

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 46+00 TO STA. 50+00

PROJECT NO. 4-0-0124
 DRAWING NO. 4-713
 SHEET NO. 14 OF XX



SECTION AT STATION 52+00

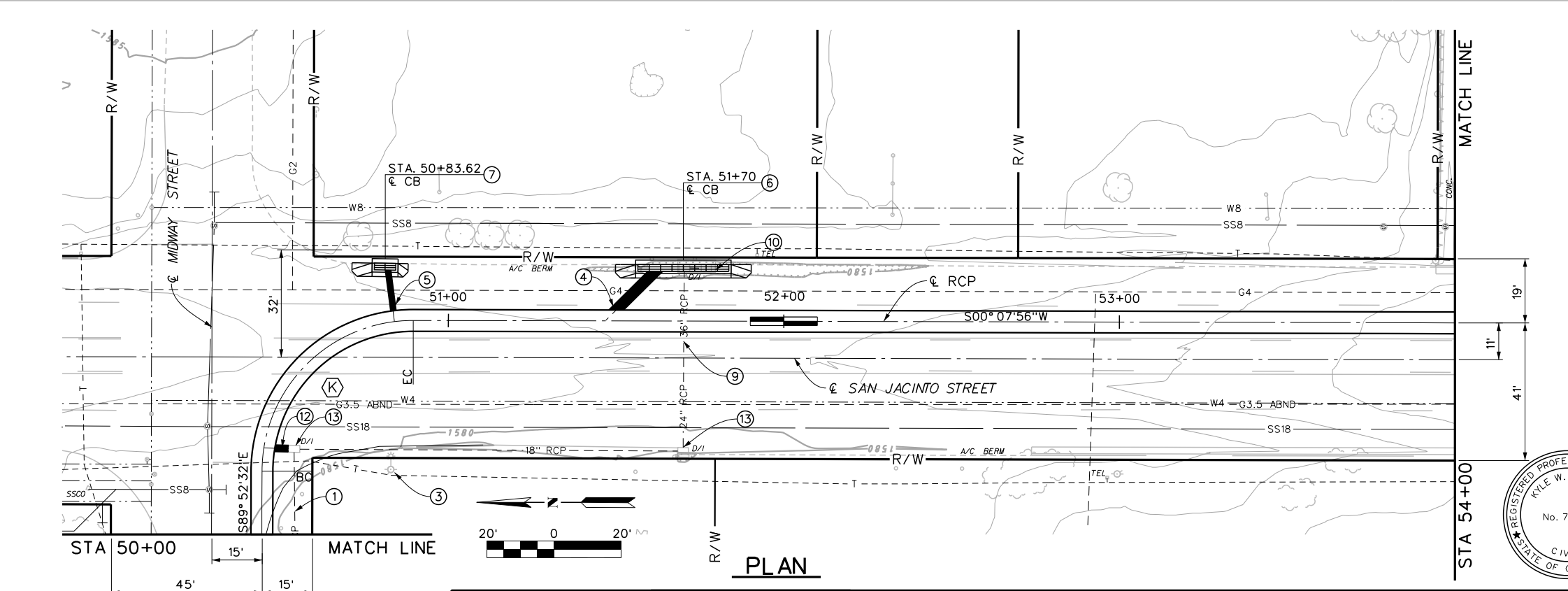


STORM DRAIN CURVE DATA

- $\Delta = 90^{\circ} 00' 28''$
- $R = 45.00'$
- $L = 70.69'$
- $T = 45.01'$
- BC = STA 50+18.86
- EC = STA 50+89.55
- PI = N 2222312.14
- E 6346269.82

NOTES

- 1 ABANDON PIPE IN-PLACE.
- 2 CONSTRUCT REINFORCED CONCRETE PIPE WITH D=78".
- 3 PROTECT IN-PLACE EXISTING POWER POLE.
- 4 CONSTRUCT JS NO. 4 PER STD JS229. A=44° 47' 41.24", D=36". SEE PROFILE ON SHEET 26.
- 5 CONSTRUCT JS NO. 4 PER STD JS229. A=90°, D=18". SEE PROFILE ON SHEET 26.
- 6 CONSTRUCT CATCH BASIN NO.4 PER STD CB101 AND MODIFIED LD202 WITH LOCAL DEPRESSION EXTENDING 6 LF EACH SIDE OF CATCH BASIN. V=7.25' & W=27.08'. 18.89LF-36" RCP CLASS IV. SEE PROFILE ON SHEET 26.
- 7 CONSTRUCT CATCH BASIN NO.4 PER STD CB100. V=4.25' & W=6.4'. 17.32LF-18" RCP 2000D. SEE PROFILE ON SHEET 26.
- 8 SLURRY BACKFILL WITHIN TRENCH LIMITS 1' OUTSIDE OUTER DIAMETER OF EXISTING 18" SEWER AND FROM SPRINGLINE TO TOP OF BOX.
- 9 CUT AND PLUG INTERFERING PORTIONS OF EXISTING RCP.
- 10 REMOVE AND DISPOSE EXISTING CATCH BASIN.
- 11 PROTECT IN-PLACE EXISTING 18" SEWER.
- 12 CONSTRUCT JS NO. 4 PER STD JS229. A=82° 44' 38.42" D=18". SEE PROFILE ON SHEET XX.
- 13 CUT AND PLUG EXISTING RCP.
- 14 INSTALL 13.38 LF- 18" RCP CLASS IV TO EXISTING DROP INLET PER PROFILE DETAIL ON SHEET XX.



PLAN

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

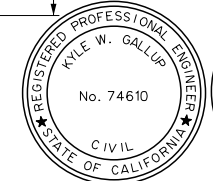
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|-----------|-------------|-------|------|
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

RECOMMENDED FOR APPROVAL BY: _____
 DATE: _____

APPROVED BY: _____
 DATE: _____

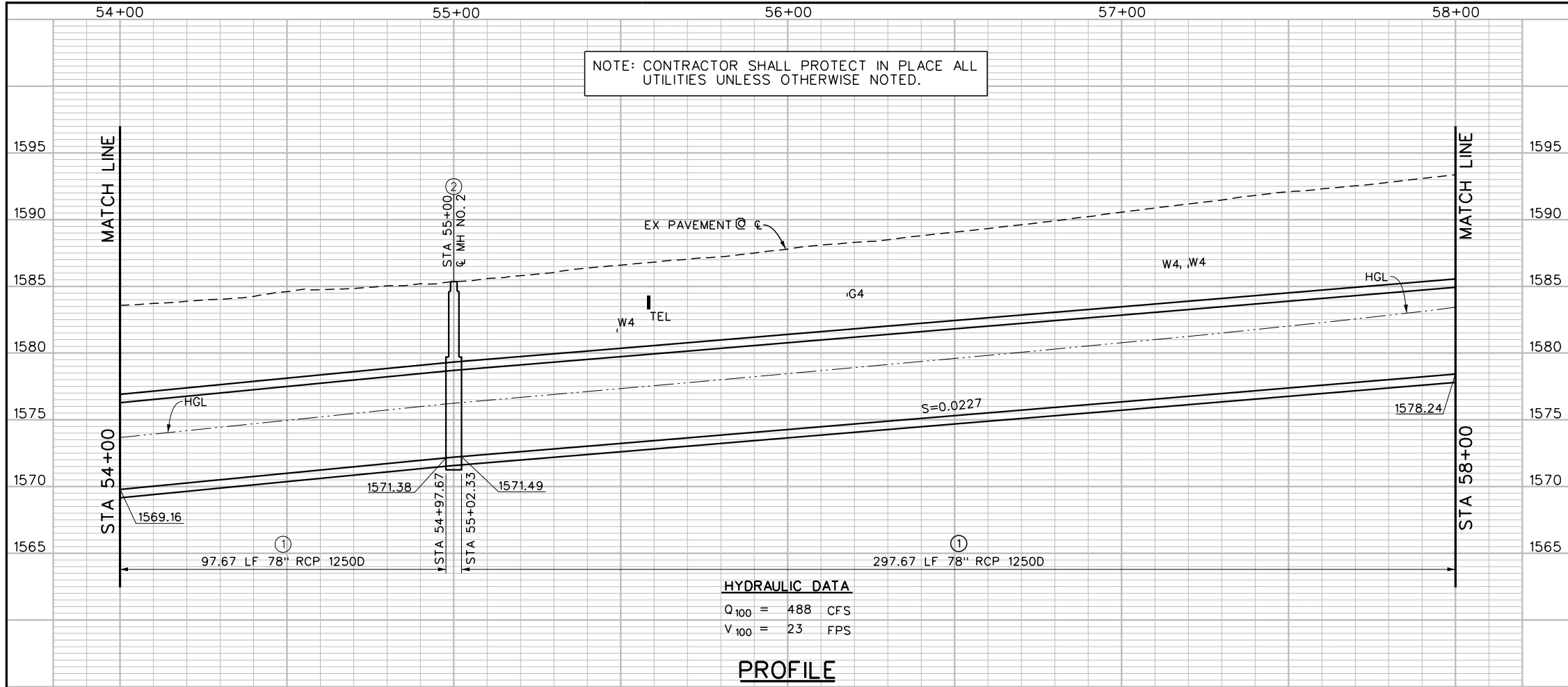


★ PRELIMINARY ★
 SUBJECT TO REVISION

SAN JACINTO MDP
 LINE C (STG 2)
 STA. 50+00 TO STA. 51+00
 LINE B (STG 1)
 STA. 51+00 TO STA. 54+00

PROJECT NO. 4-0-0042
 DRAWING NO. 4-713
 SHEET NO. 15 OF XX

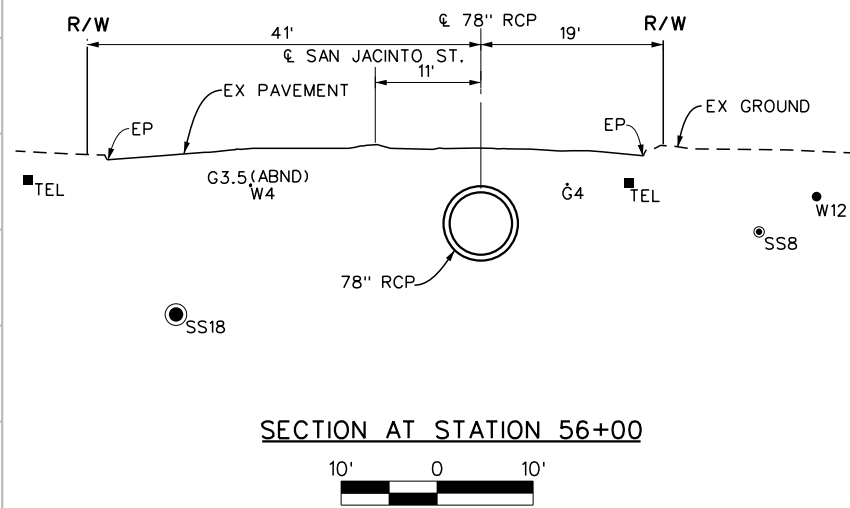
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



HYDRAULIC DATA

Q₁₀₀ = 488 CFS
V₁₀₀ = 23 FPS

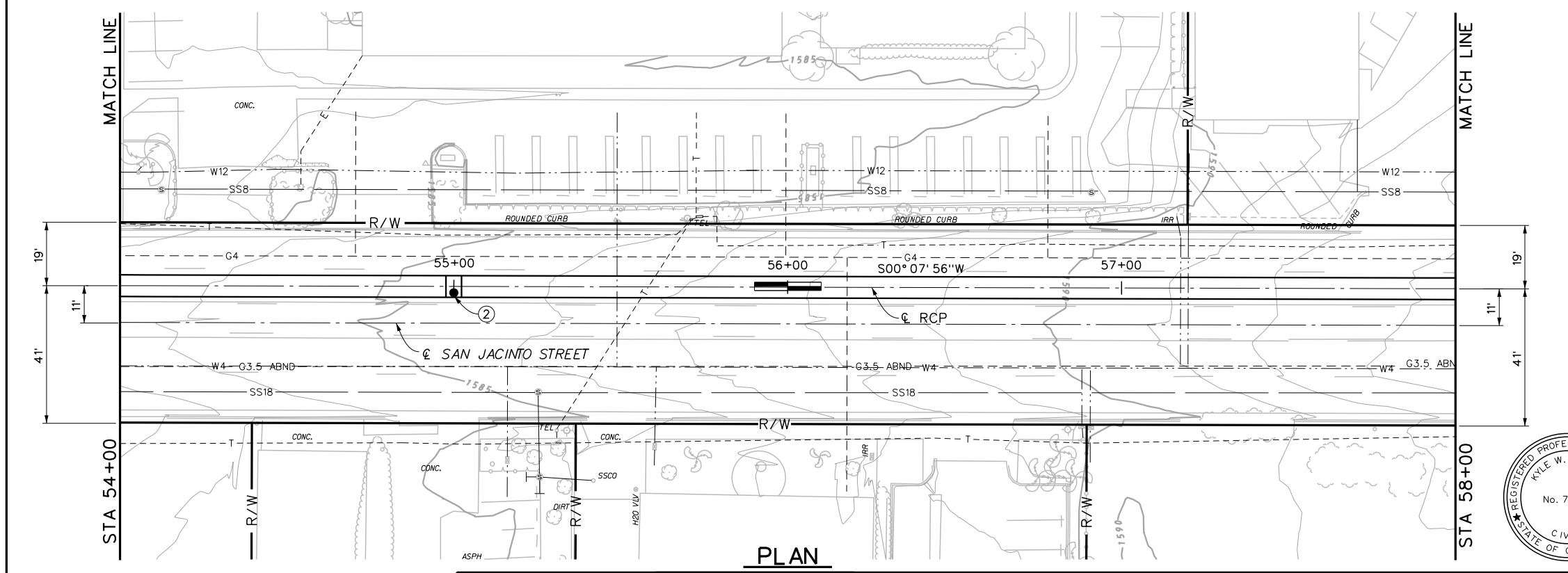
PROFILE



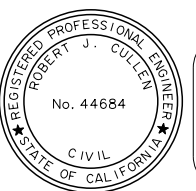
SECTION AT STATION 56+00

NOTES

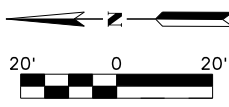
- ① CONSTRUCT REINFORCED CONCRETE PIPE WITH D=78".
- ② CONSTRUCT MANHOLE NO. 2 PER STD MH252.



PLAN



★ PRELIMINARY ★
SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

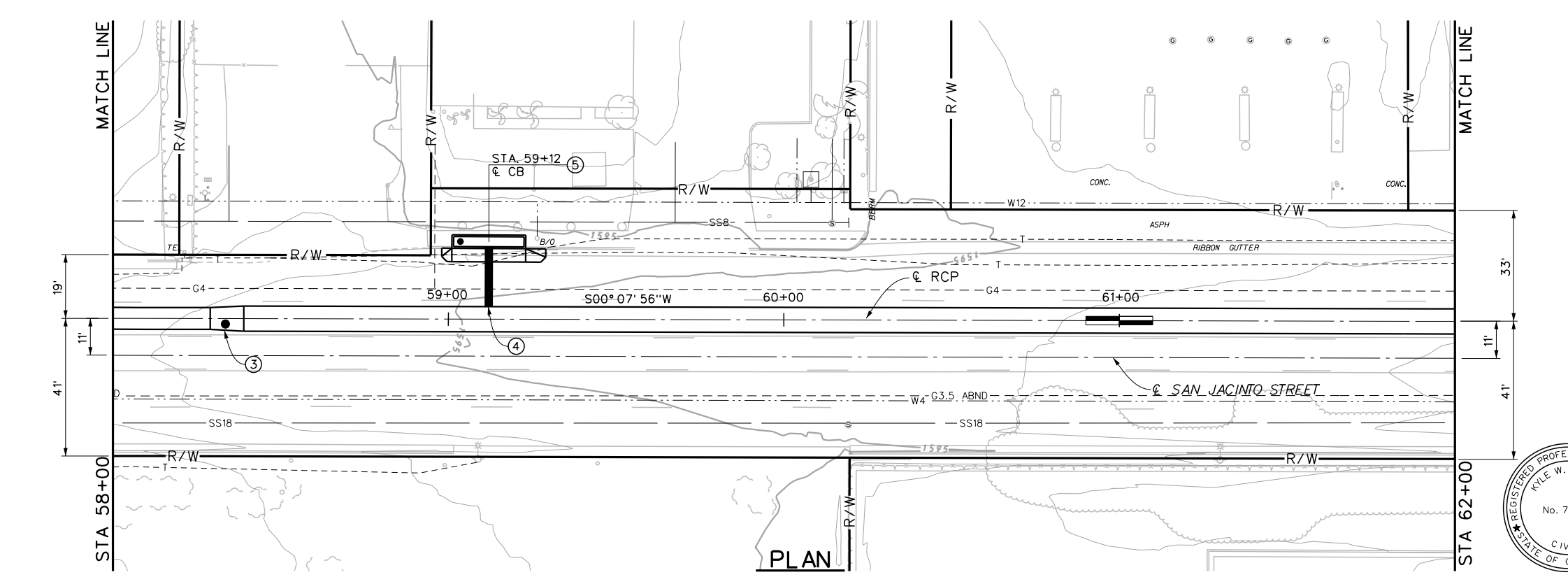
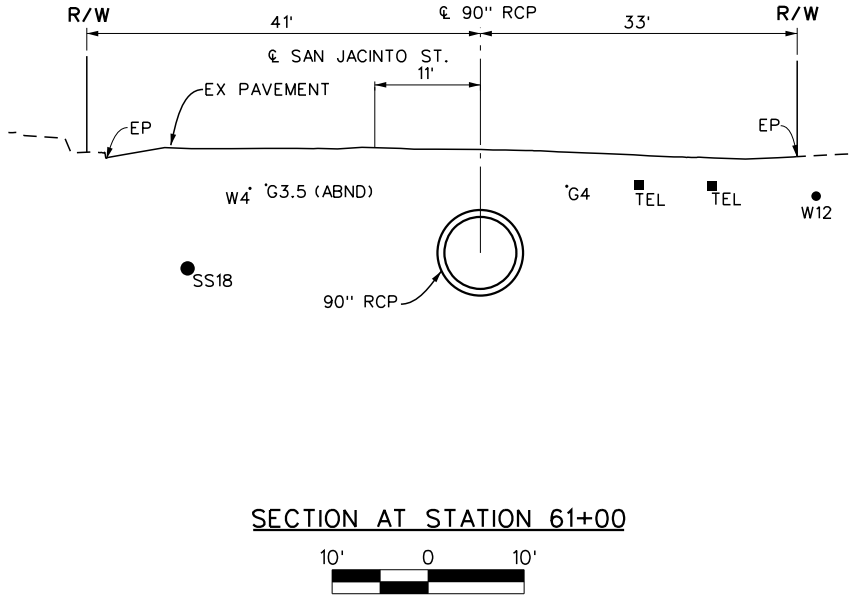
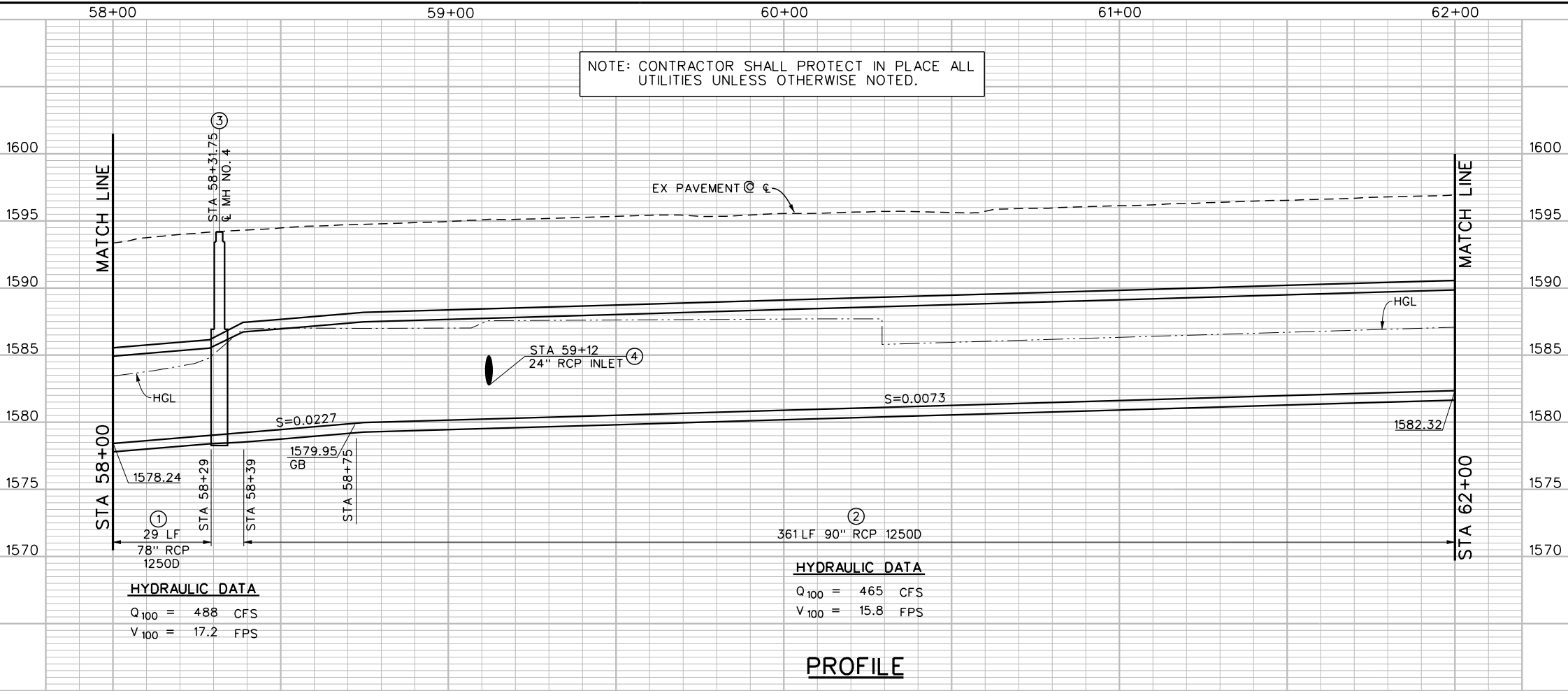
| REF. | DESCRIPTION | APPR. | DATE |
|------|-------------|-------|------|
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|------------------------------|--------------|--|
| DESIGNED BY: S. TSE | | |
| DRAWN BY: M. HOWARD | | |
| DATE DRAWN: JAN 2013 | | |
| RECOMMENDED FOR APPROVAL BY: | APPROVED BY: | |
| DATE: | DATE: | |

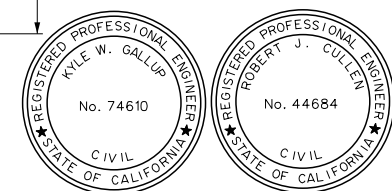
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

SAN JACINTO MDP
LINE B (STG 1)
STA. 54+00 TO STA. 58+00

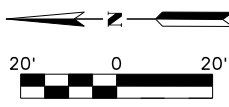
PROJECT NO.
4-0-0042
DRAWING NO.
4-713
SHEET NO.
16 OF XX



- NOTES**
- ① CONSTRUCT REINFORCED CONCRETE PIPE WITH D=78".
 - ② CONSTRUCT REINFORCED CONCRETE PIPE WITH D=90".
 - ③ CONSTRUCT MANHOLE NO. 4 PER STD MH254. D₁=78", D₂=90"
 - ④ CONSTRUCT JS NO.4 PER STD JS229. D=24". SEE PROFILE ON SHEET 26.
 - ⑤ CONSTRUCT CATCH BASIN NO.1 PER STD CB100. V=7' & W=21'. 18.79LF-24" RCP CLASS IV. SEE PROFILE ON SHEET 26.



★ PRELIMINARY ★
SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free
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for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

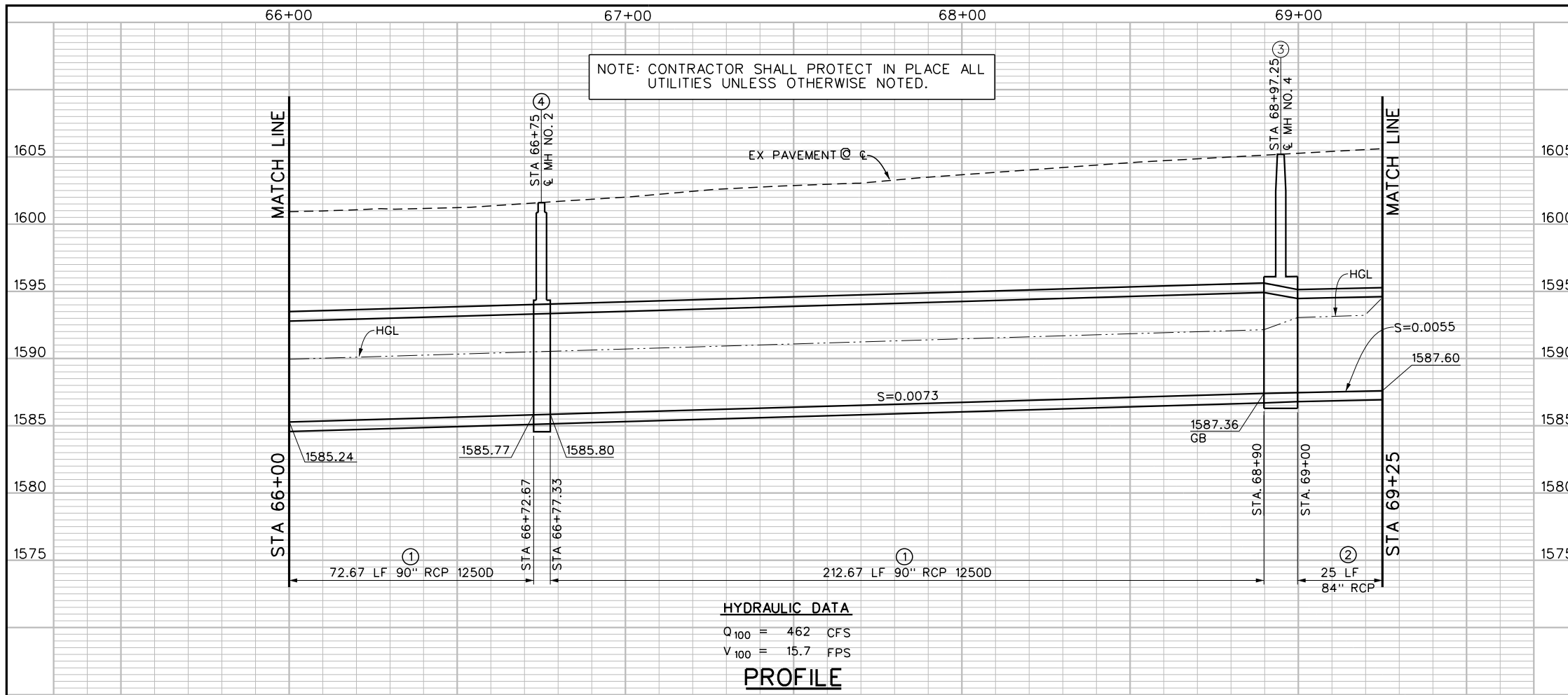
BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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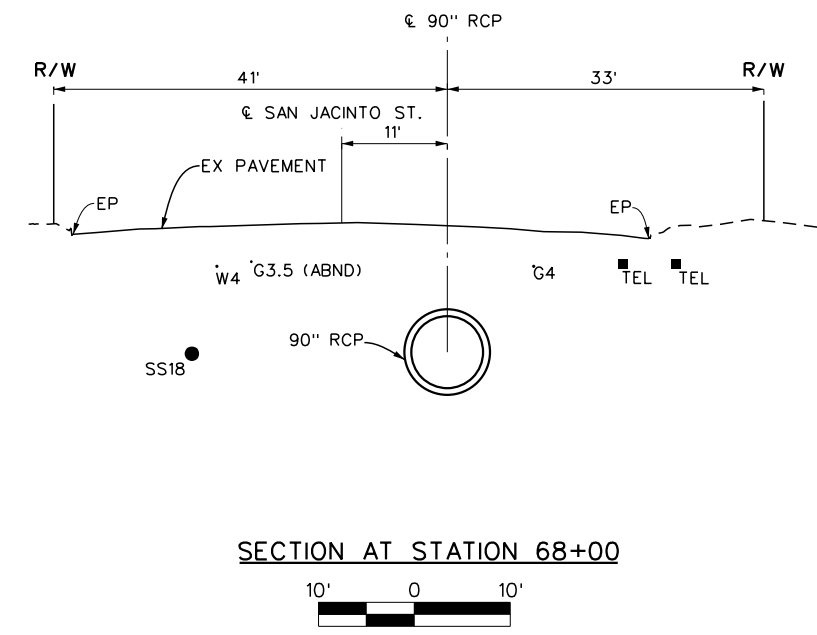
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|----------------------------------------------------------------|------------------------------|--------------|
| RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | | |
| DESIGNED BY: S. TSE | RECOMMENDED FOR APPROVAL BY: | APPROVED BY: |
| DRAWN BY: M. HOWARD | DATE: | DATE: |
| DATE DRAWN: JAN 2013 | | |

SAN JACINTO MDP
LINE B (STG 1)
STA. 58+00 TO STA. 62+00

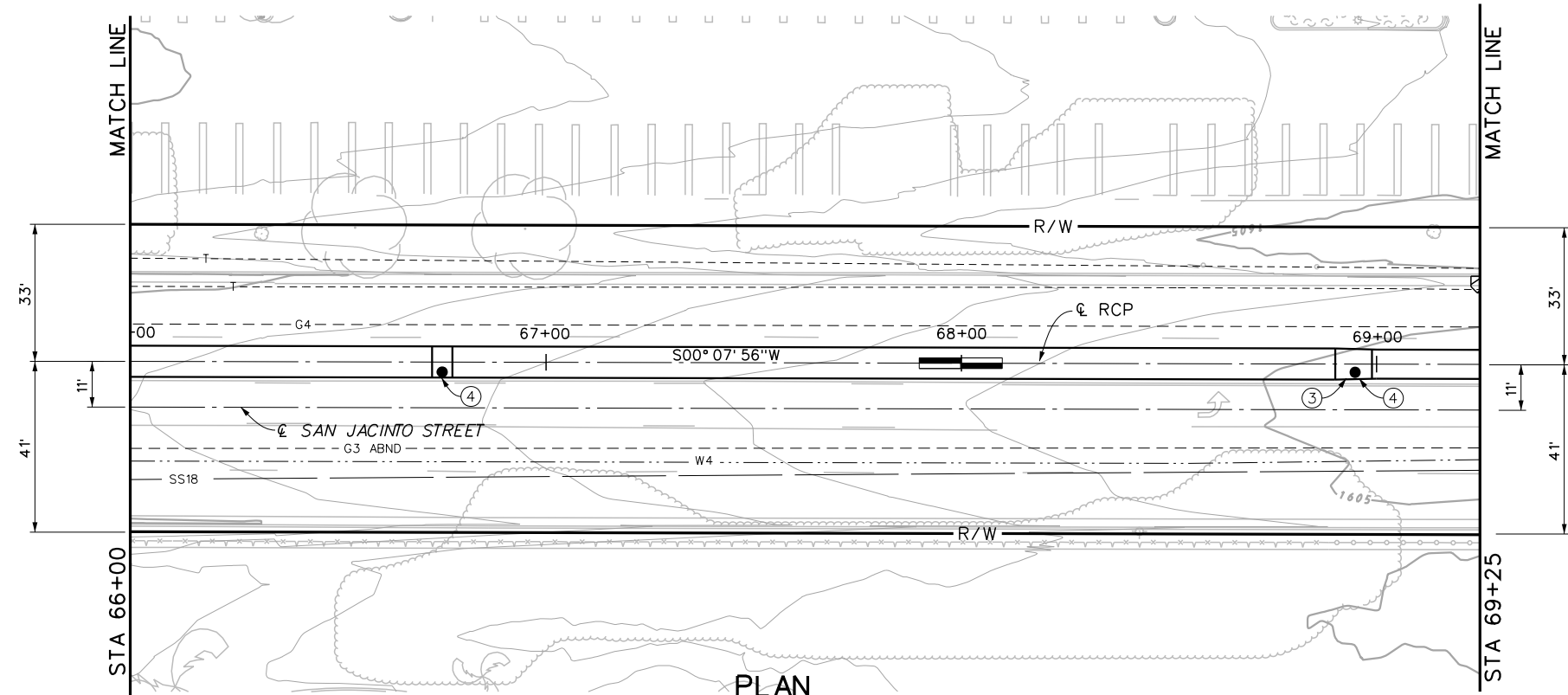
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| PROJECT NO. 4-0-0042 |
| DRAWING NO. 4-713 |
| SHEET NO. 17 OF XX |



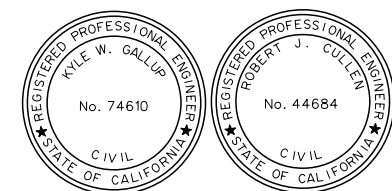
HYDRAULIC DATA
 Q₁₀₀ = 462 CFS
 V₁₀₀ = 15.7 FPS
PROFILE



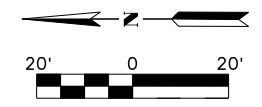
- NOTES**
- ① CONSTRUCT REINFORCED CONCRETE PIPE WITH D=90".
 - ② CONSTRUCT REINFORCED CONCRETE PIPE WITH D=84".
 - ③ CONSTRUCT MANHOLE NO. 4 PER STD MH254 D₁=84" D₂=90".
 - ④ CONSTRUCT MANHOLE NO. 2 PER STD MH252.



PLAN



★ PRELIMINARY ★
 SUBJECT TO REVISION



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
 for the location of buried utility lines.
 Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

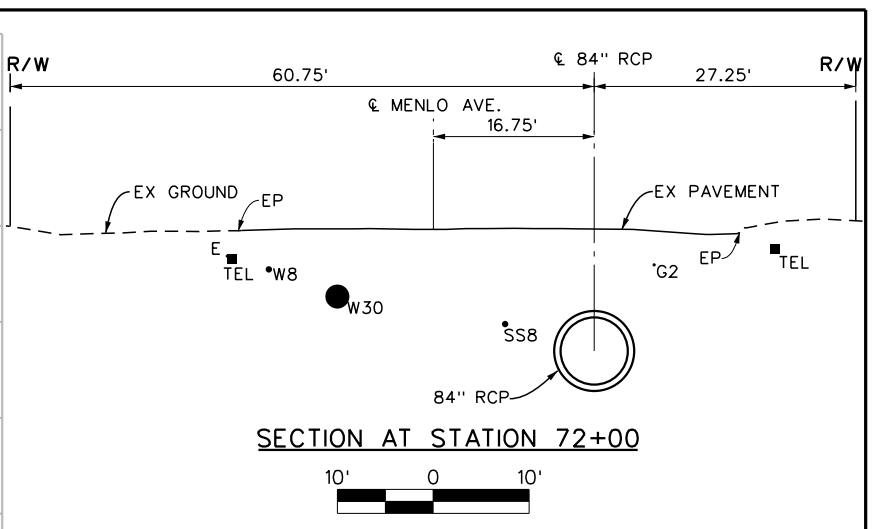
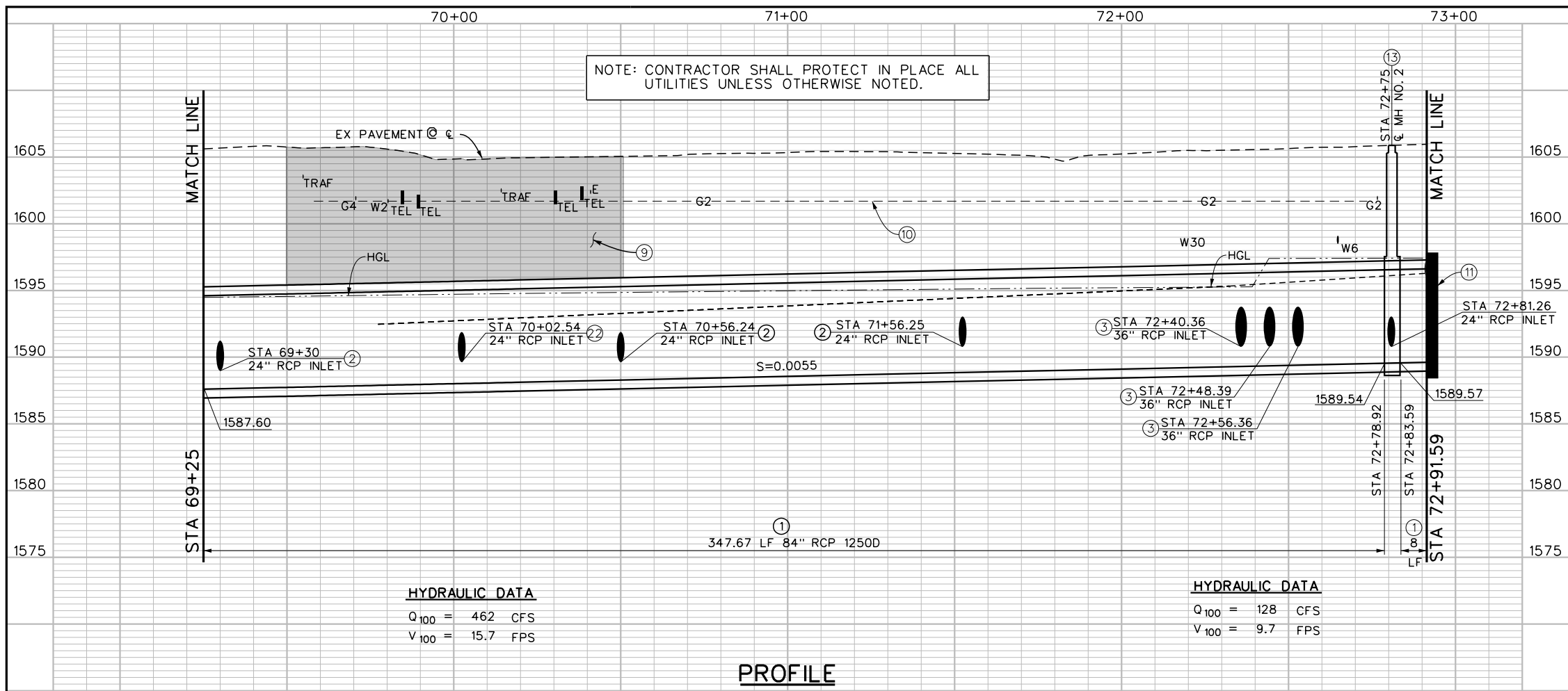
DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

RECOMMENDED FOR APPROVAL BY: _____
 DATE: _____

APPROVED BY: _____
 DATE: _____

SAN JACINTO MDP
 LINE B (STG 1)
 STA. 66+00 TO STA. 69+25

PROJECT NO. 4-0-0042
 DRAWING NO. 4-713
 SHEET NO. 19 OF XX



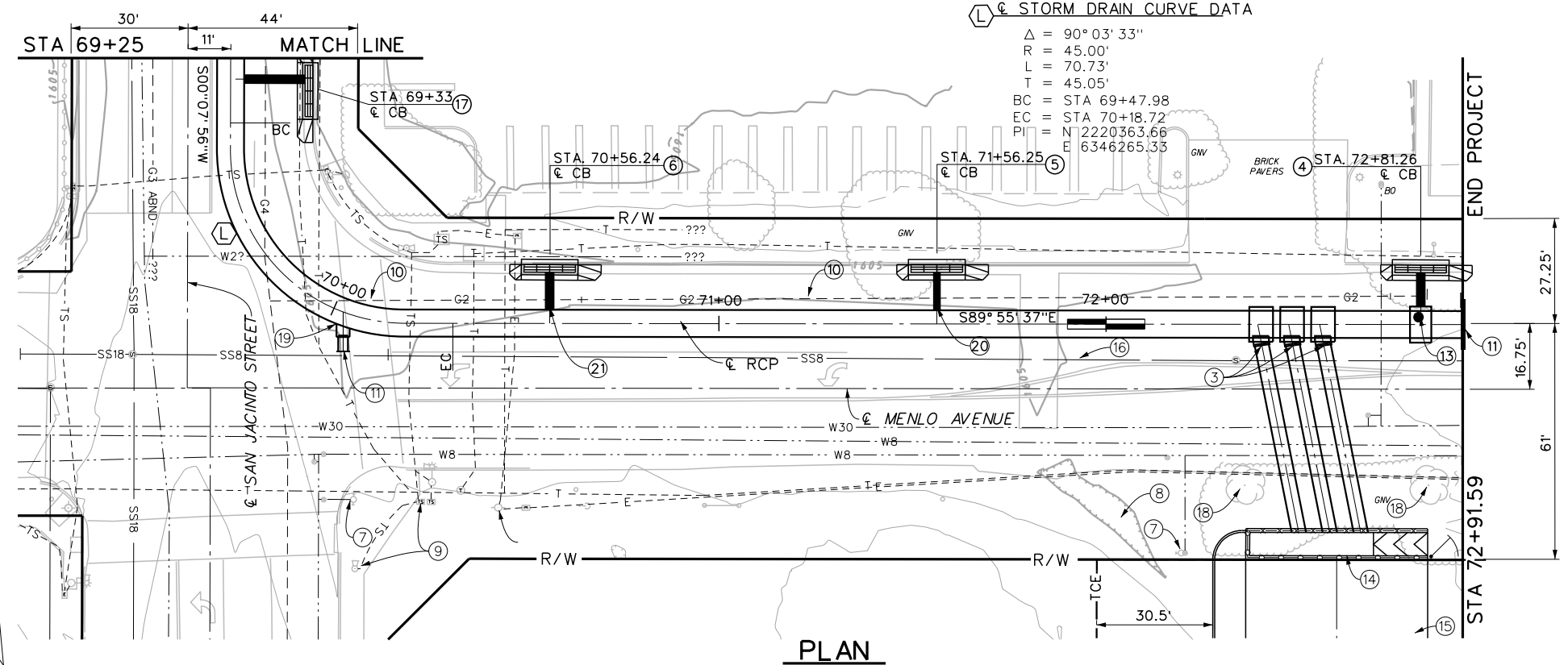
- NOTES**
- CONSTRUCT REINFORCED CONCRETE PIPE WITH D=84".
 - CONSTRUCT JS NO. 4 PER STD JS229. D=24" SEE PROFILE ON SHEET 27.
 - CONSTRUCT JS NO. 2 PER STD JS227. A=80°, EL. S=1590.83, D=36". SEE PROFILE ON SHEET 28 & 29.
 - CONSTRUCT CATCH BASIN NO.4 PER STD CB101. V=7.5' & W=13.29'. 12.9LF-24" RCP CLASS IV. SEE PROFILE ON SHEET 27.
 - CONSTRUCT CATCH BASIN NO.4 PER STD CB101. V=4' & W=13.29'. 13.34LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 27.
 - CONSTRUCT CATCH BASIN NO.4 PER STD CB101. V=4' & W=13.29'. 13.9LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 27.
 - PROTECT IN-PLACE EXISTING FIRE HYDRANT AND CORRESPONDING WATER LINES.
 - FILL AND GRADE TO DRAIN TO STREET PER DETAIL ON SHEET XY.
 - REMOVE AND REPLACE EXISTING CROSS-GUTTER PER CITY OF HEMET STD C-213. REPLACE TO MATCH EXISTING LINE AND GRADES FROM THE CURB & GUTTER TO SOUTHERLY PIPE EXCAVATION PAYLINE.
 - PROTECT IN-PLACE EXISTING 2" GAS LINE.
 - CONSTRUCT CONCRETE BULKHEAD PER STD. 816.
 - CLSM BACKFILL FROM STA 69+50 TO STA 70+51 WITHIN BACKFILL PAYLINES.
 - CONSTRUCT MANHOLE NO. 2 PER STD 252. EL. S=1592.11, 8LF-24" RCP 2000D. SEE PROFILE ON SHEET XX.
 - CONSTRUCT INLET STRUCTURE PER DETAILS ON SHEET 24.
 - GRADE APPROACH CHANNEL PER DETAILS ON SHEET 32.
 - PROTECT IN-PLACE EXISTING 8" SEWER.
 - CONSTRUCT CATCH BASIN NO. 4 PER STD CB101. V=6.5' & W=13.29'. 17.93LF-24" RCP CLASS IV. SEE PROFILE ON SHEET 27.
 - REMOVE AND DISPOSE EXISTING TREES.
 - CONSTRUCT JS NO. 4 PER STD JS229. EL. S=1589.52, S=0.0100 4LF-24" RCP CLASS IV.
 - CONSTRUCT JS NO. 4 PER STD JS229. EL. S=1592.37, D=18". SEE PROFILE ON SHEET XX.
 - CONSTRUCT JS NO. 4 PER STD JS229. EL. S=1592.11, D=18". SEE PROFILE ON SHEET XX.

HYDRAULIC DATA
 Q₁₀₀ = 462 CFS
 V₁₀₀ = 15.7 FPS

HYDRAULIC DATA
 Q₁₀₀ = 128 CFS
 V₁₀₀ = 9.7 FPS

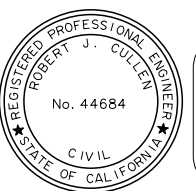
STORM DRAIN CURVE DATA

Δ = 90° 03' 33"
 R = 45.00'
 L = 70.73'
 T = 45.05'
 BC = STA 69+47.98
 EC = STA 70+18.72
 PI = N 22° 20' 36.3" E
 E 6346.265.33'



| REF. | DESCRIPTION | APPR. | DATE |
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| DESIGNED BY: S. TSE | | | RECOMMENDED FOR APPROVAL BY: | | |
| DRAWN BY: M. HOWARD | | | APPROVED BY: | | |
| DATE DRAWN: JAN 2013 | | | DATE: | | |



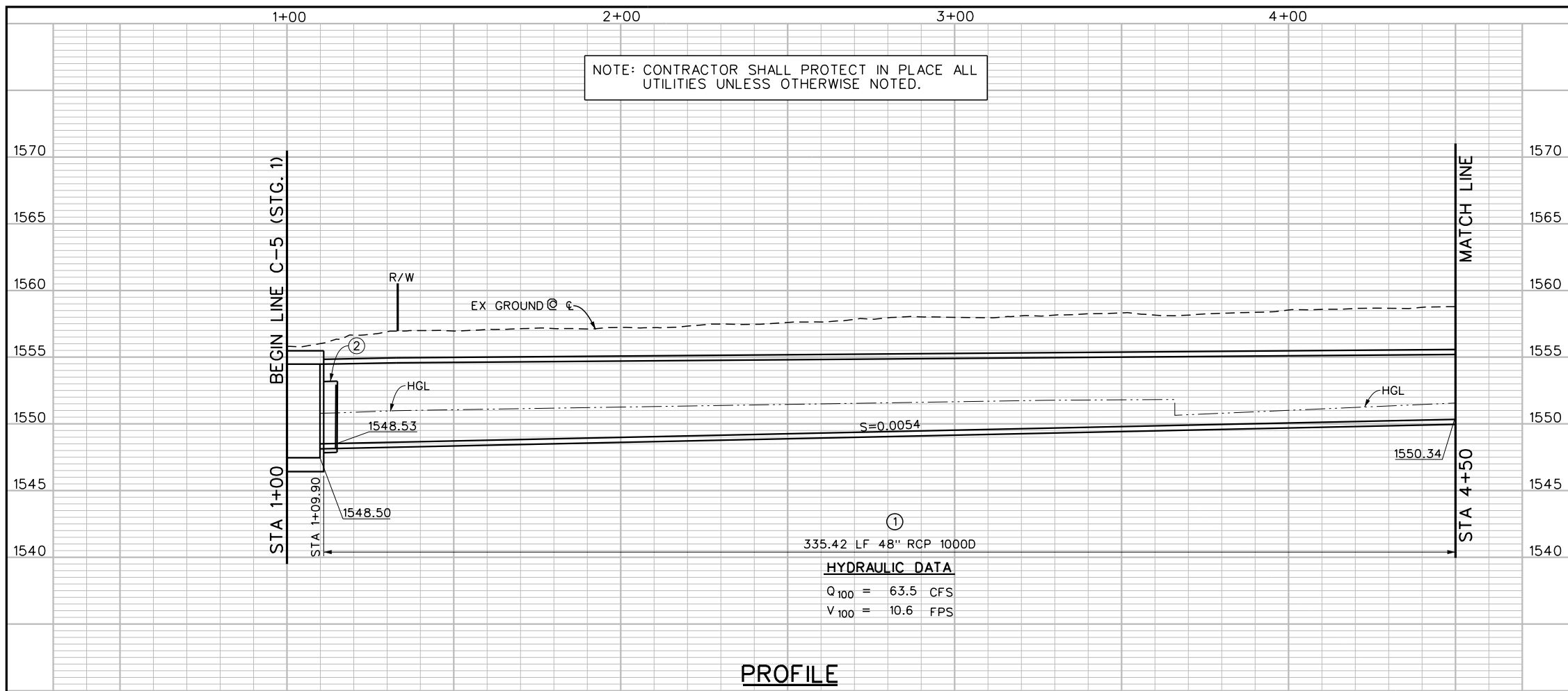
★ PRELIMINARY ★
 SUBJECT TO REVISION

SAN JACINTO MDP
 LINE B (STG 1)
 STA. 69+25 TO STA. 72+91.59

PROJECT NO. 4-0-0042
 DRAWING NO. 4-713
 SHEET NO. 20 OF XX

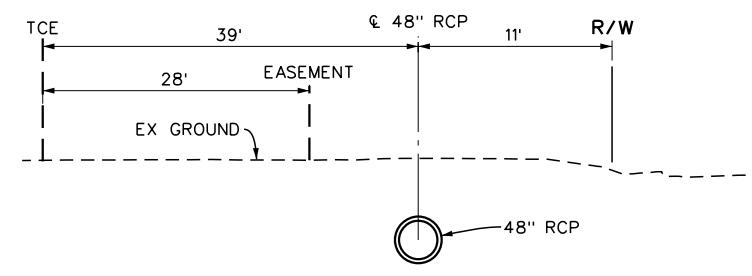


NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



①
335.42 LF 48" RCP 1000D
HYDRAULIC DATA
Q₁₀₀ = 63.5 CFS
V₁₀₀ = 10.6 FPS

PROFILE



SECTION AT STATION 3+00

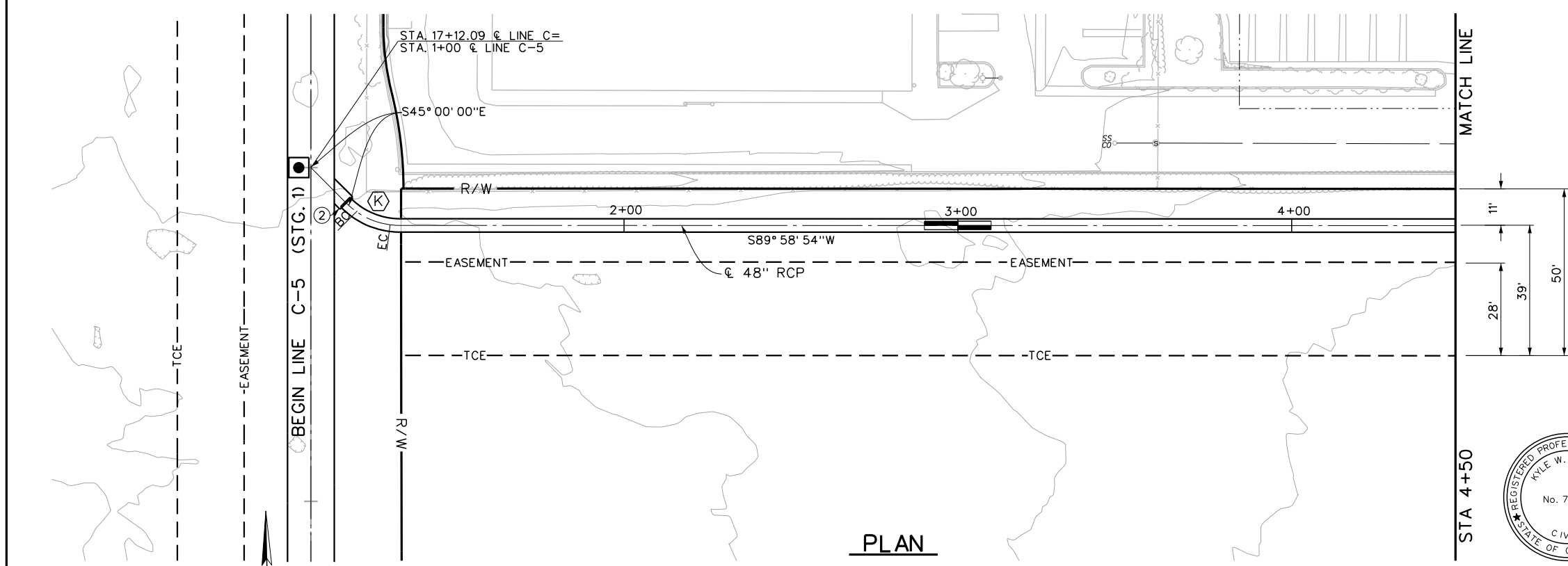


Ⓚ STORM DRAIN CURVE DATA

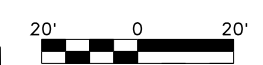
Δ = 44° 59' 09"
R = 22.50'
L = 17.67'
T = 9.32'
BC = STA 1+15.14
EC = STA 1+32.81
PI = N 2223970.75
E 6344266.78

NOTES

- ① CONSTRUCT REINFORCED CONCRETE PIPE WITH D = 48".
- ② CONSTRUCT JS NO.1 PER STD JS226. A=45°, B=48", C=15', EL. R=1548.526, EL. S=1548.500.



PLAN



Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
B.M. NO. Z 11286
NAIL & TAG RCFC
SET FLUSH
N 2224310
E 6344485
ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
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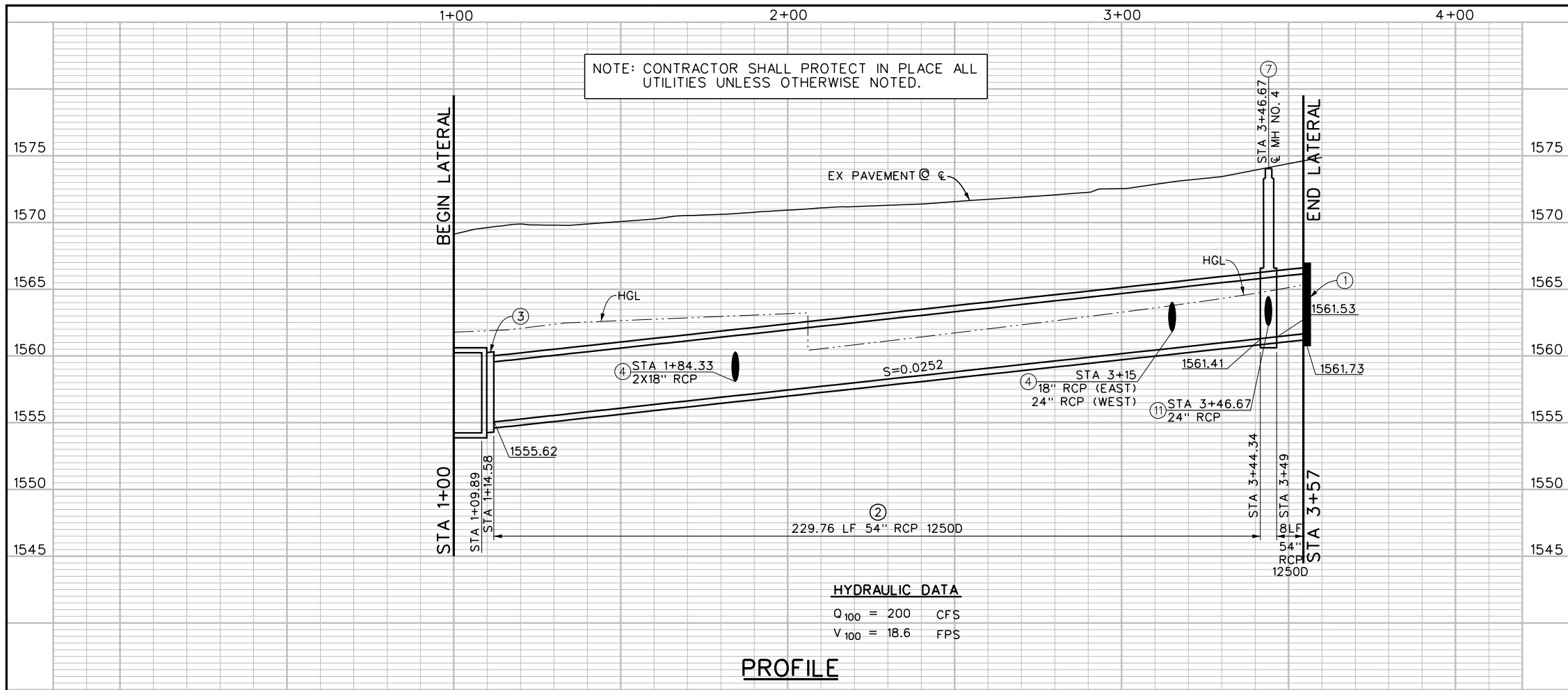
| DESIGNED BY: S. TSE | | |
|----------------------|--|--|
| DRAWN BY: M. HOWARD | | |
| DATE DRAWN: JAN 2013 | | |
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★ PRELIMINARY ★
SUBJECT TO REVISION

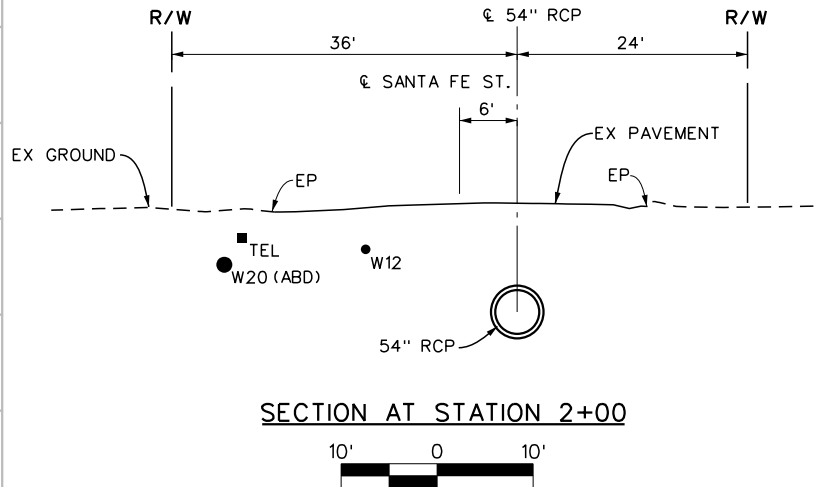
SAN JACINTO MDP
LINE C-5 (STG 1)
STA. 1+00 TO STA. 4+50

PROJECT NO.
4-0-0040
DRAWING NO.
4-713
SHEET NO.
21 OF XX

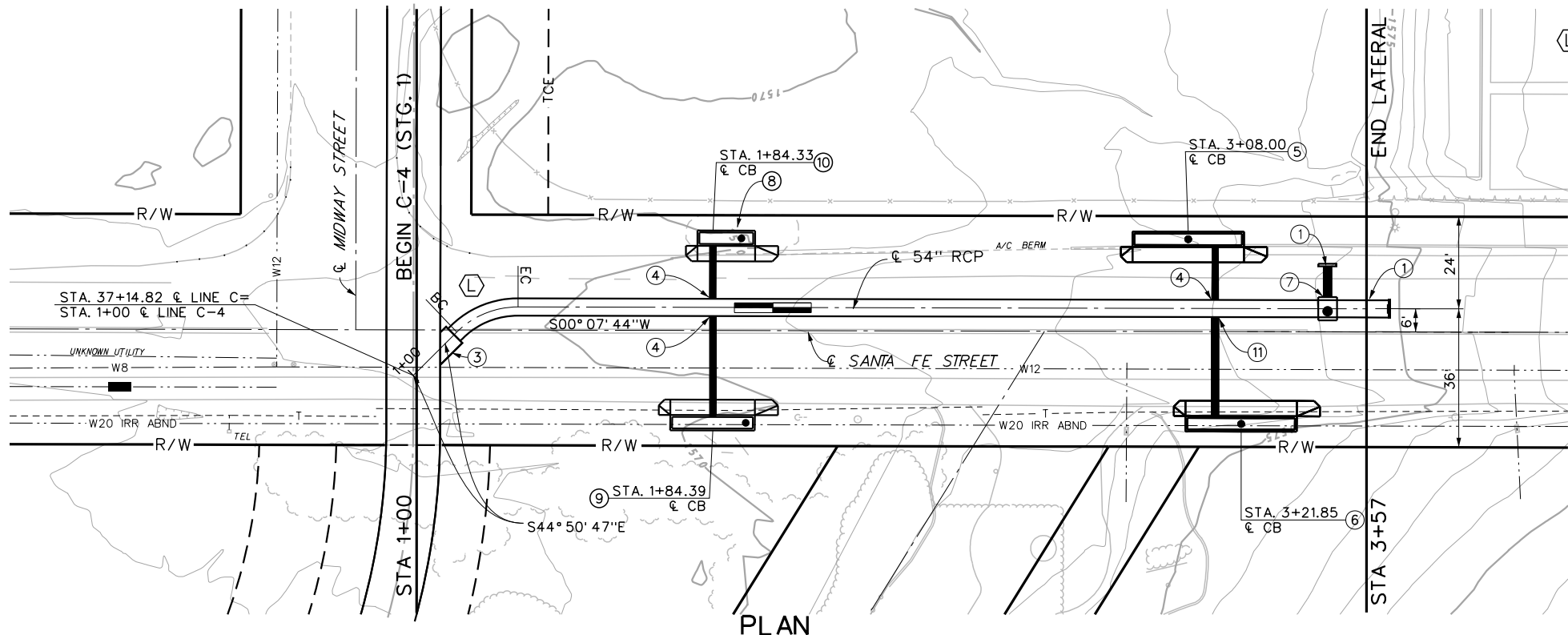


PROFILE

HYDRAULIC DATA
 Q₁₀₀ = 200 CFS
 V₁₀₀ = 18.6 FPS



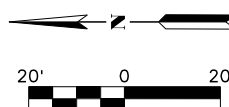
SECTION AT STATION 2+00



PLAN

STORM DRAIN CURVE DATA
 $\Delta = 44^\circ 58' 31''$
 R = 22.50'
 L = 17.66'
 T = 9.31'
 BC = STA 1+16.00
 EC = STA 1+33.66
 PI = N 2222297.13
 E 63444938.63

- NOTES**
- ① CONSTRUCT CONCRETE BULK HEAD PER STD. M816.
 - ② CONSTRUCT REINFORCED CONCRETE PIPE WITH D=54".
 - ③ CONSTRUCT JS NO.1 PER STD JS226. A=45°, B=54", C=15', EL. R=1555.127, EL. S=1555.000.
 - ④ CONSTRUCT JS NO. 4 PER STD JS229. D=18" SEE PROFILES ON SHEET 29.
 - ⑤ CONSTRUCT CATCH BASIN NO.1 PER STD CB100. V=4.25' & W=28'. 16.1LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 29.
 - ⑥ CONSTRUCT CATCH BASIN NO.1 PER STD CB100. V=6' & W=28'. 27.18LF-24" RCP CLASS IV. SEE PROFILE ON SHEET 29.
 - ⑦ CONSTRUCT MH NO. 4 PER STD MH254. D₁ = D₂=54" 4LF-24" RCP CLASS IV, S=0.1697.
 - ⑧ REMOVE AND DISPOSE EXISTING ROCK.
 - ⑨ CONSTRUCT CATCH BASIN NO.1 PER STD CB100. V=7' & W=21'. 27.57LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 29.
 - ⑩ CONSTRUCT CATCH BASIN NO.1 PER STD CB100. V=4' & W=14'. 16.94LF-18" RCP CLASS IV. SEE PROFILE ON SHEET 29.
 - ⑪ CONSTRUCT JS NO. 4 PER STD JS229. D=24" SEE PROFILE ON SHEET XX.



Don't Dig...Until You Call U.S.A. Toll Free
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 TWO WORKING DAYS BEFORE YOU DIG

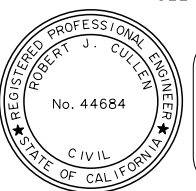
BENCH MARK
 B.M. NO. Z 11286
 NAIL & TAG RCFC
 SET FLUSH
 N 2224310
 E 6344485
 ELEVATION= 1555.79 NAVD 88

| REF. | DESCRIPTION | APPR. | DATE |
|------|-------------|-------|------|
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: S. TSE
 DRAWN BY: M. HOWARD
 DATE DRAWN: JAN 2013

RECOMMENDED FOR APPROVAL BY: _____
 APPROVED BY: _____
 DATE: _____



★ PRELIMINARY ★
 SUBJECT TO REVISION

SAN JACINTO MDP
 LINE C-4 (STG 1)
 STA. 1+00 TO STA. 3+67

PROJECT NO. 4-0-0039
 DRAWING NO. 4-713
 SHEET NO. 23 OF XX