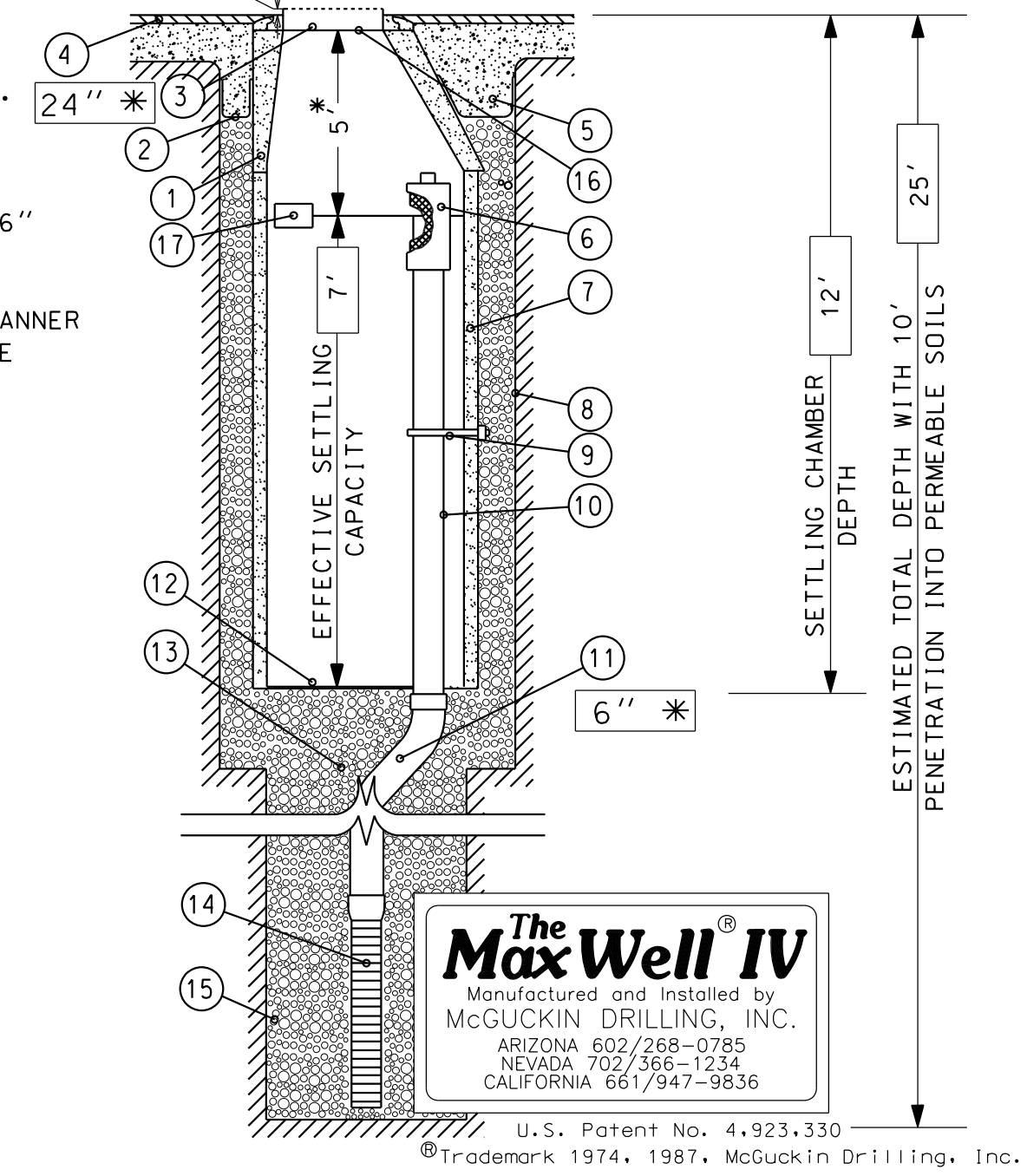


## MaxWell® IV Drainage System Detail And Specifications

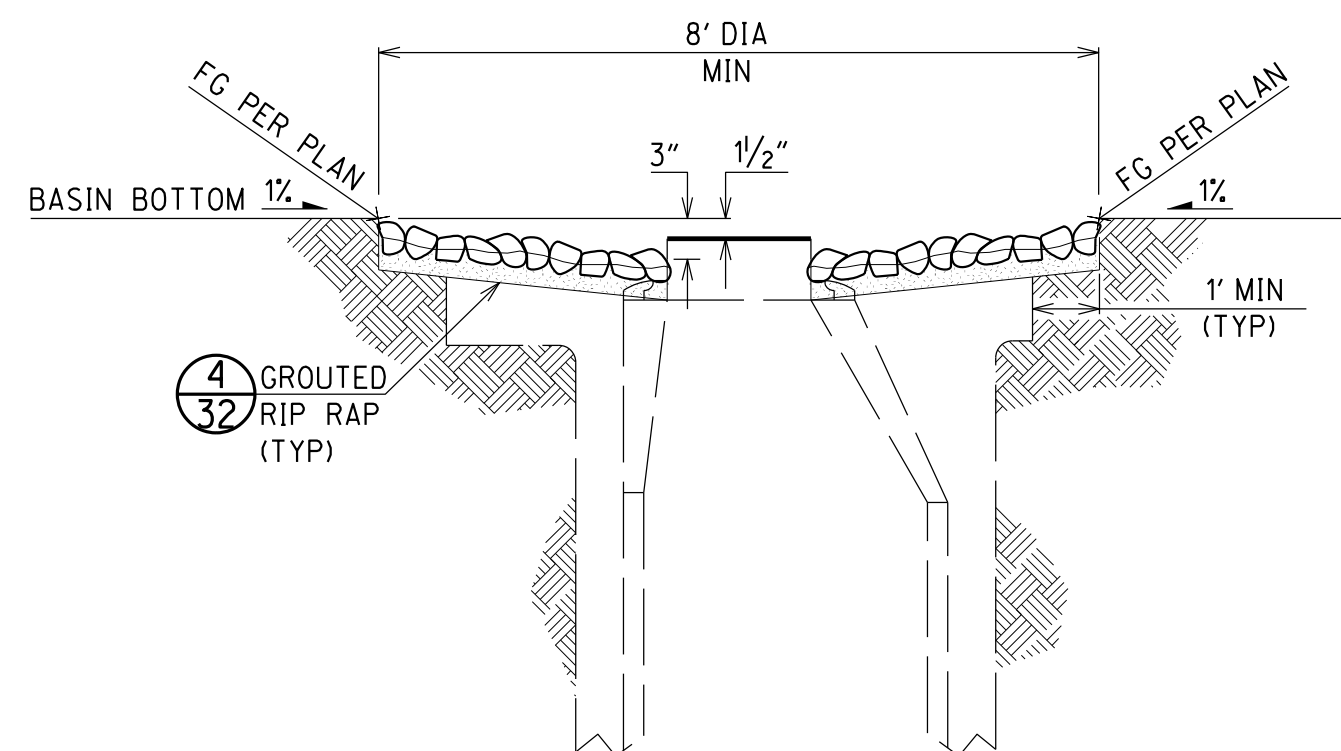
- ① MANHOLE CONE - MODIFIED FLAT BOTTOM.
  - ② MOISTURE MEMBRANE - 6 MIL PLASTIC. PLACE SECURELY AGAINST CONE AND HOLE SIDEWALL.
  - ③ BOLTED RING & GRATE - CLEAN CAST IRON WITH WORDING "STORM WATER ONLY" IN RAISED LETTERS AND BOLTED IN TWO LOCATIONS, SECURED TO CONE WITH MORTAR. RIM ELEVATION  $\pm 0.02'$  OF PLANS.
  - ④ GRADED BASIN - (BY OTHERS)
  - ⑤ COMPACTED BASE MATERIAL - (BY OTHERS).
  - ⑥ PUREFLO DEBRIS SHIELD - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL .265" MAX. SWO FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. FUSION BONDED EPOXY COATED.
  - ⑦ PRECAST LINER - 4000 PSI CONCRETE 48" ID. 54" OD. CENTER IN HOLE AND ALIGN SECTIONS TO MAXIMIZE BEARING SURFACE.
  - ⑧ MIN. 6' \* DRILLED SHAFT.
  - ⑨ SUPPORT BRACKET - FORMED 12 GA. STEEL. FUSION BONDED EPOXY COATED.
  - ⑩ OVERFLOW PIPE - SCH 40 PVC MATED TO DRAINAGE PIPE BELOW BASE SEAL.
  - ⑪ DRAINAGE PIPE - ADS HIGHWAY GRADE WITH MDI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS TO PREVENT BUCKLING OR BREAKAGE.
  - ⑫ BASE SEAL - GEOTEXTILE, POLY LINER OR CONCRETE SLURRY. SEE DRYWELL NOTE # 5 3"
  - ⑬ ROCK - CLEAN AND WASHED. SIZED BETWEEN  $\frac{3}{8}"$  AND  $1\frac{1}{2}"$ , TO BEST COMPLEMENT SOIL CONDITIONS.
  - ⑭ FLOFAST DRAINAGE SCREEN - SCHEDULE 40 PVC 0.120 SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. 96" OVERALL LENGTH WITH MDI-B COUPLER.
  - ⑮ MIN. 4' DIA SHAFT - DRILLED IN A MANNER TO MAINTAIN PERMEABILITY OF DRAINAGE SOILS.
  - ⑯ FABRIC SEAL - UV RESISTANT GEOTEXTILE - TO BE REMOVED BY CUSTOMER AT PROJECT COMPLETION.
  - ⑰ ABSORBENT - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 100 OZ. CAPACITY.
- \* FREEBOARD DEPTH VARIES WITH INLET PIPE ELEVATION. INCREASE INTERCEPTOR/SETTLING CHAMBER DEPTH AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE CONNECTOR PIPE OVERFLOW.
- AZ LIC 70465 47067, ADWR 363  
CA LIC 528080, HAZ  
NV LIV 35350

**TORRENT RESOURCES**

1509 East Elwood Street, Phoenix, AZ 85040  
PHONE (602) 268-0785 FAX (602) 268-0820  
CA (805) 947-9836 NV (702) 366-1234

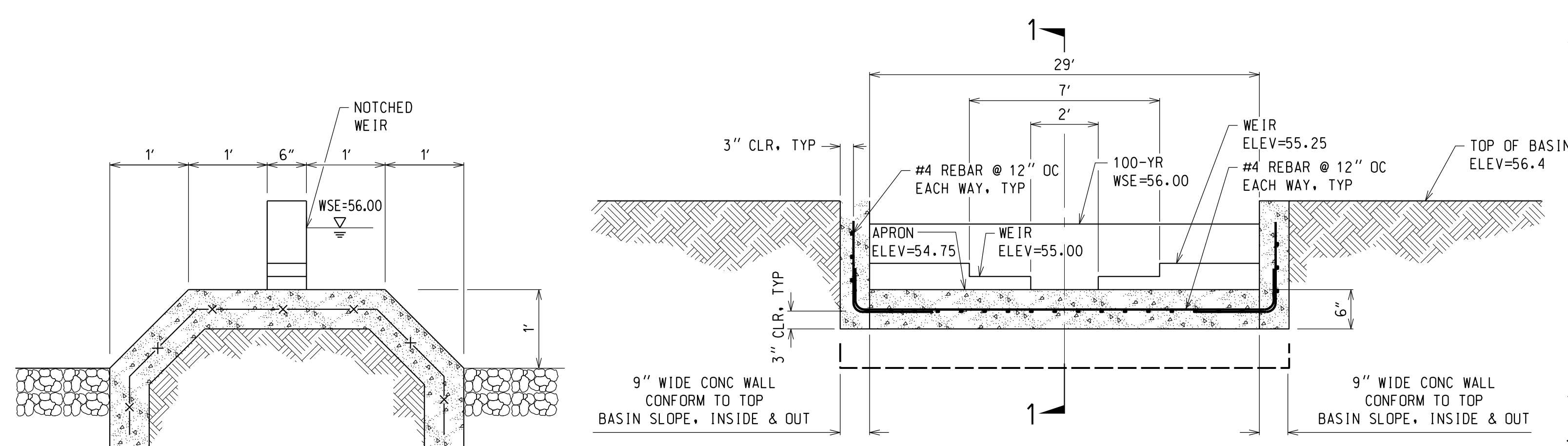
⑤ DRYWELL DETAIL  
DTL: DRYWELL NO SCALE

③ NOT USED  
NO SCALE

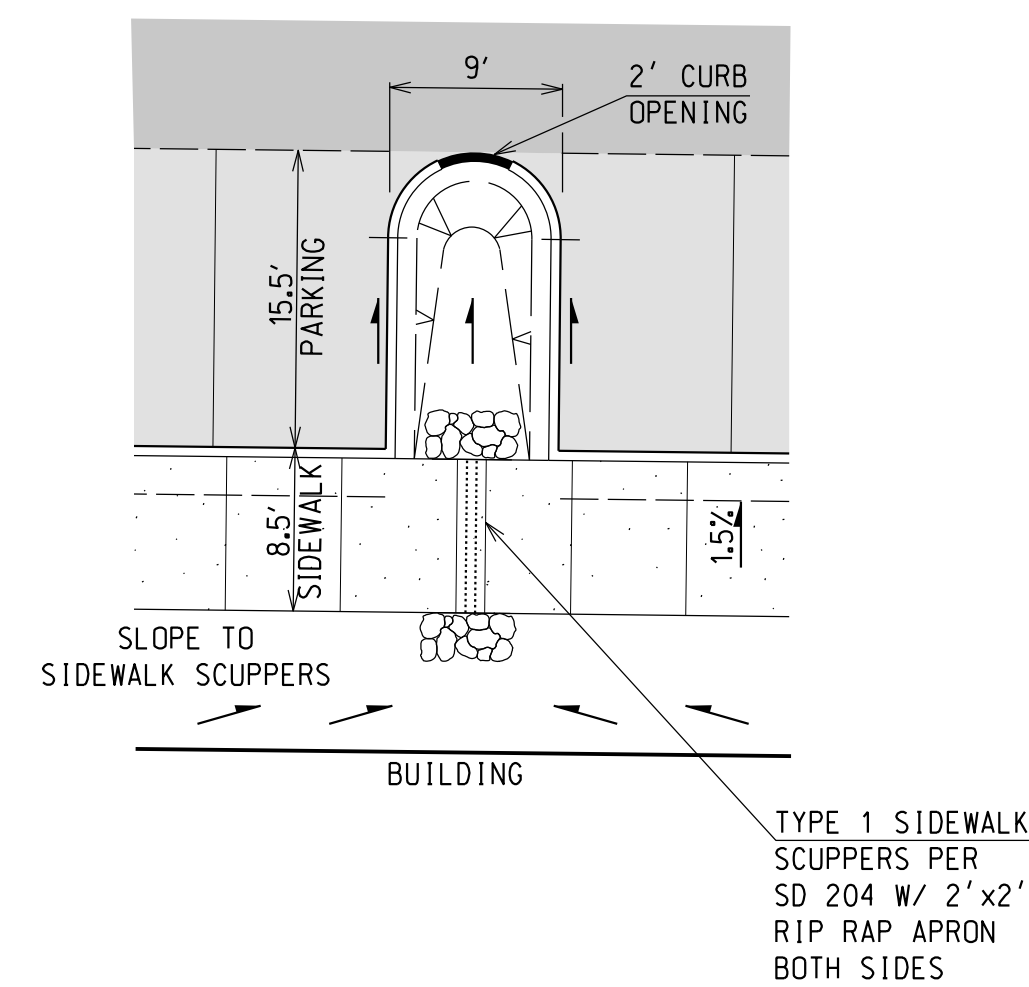


NOTE:  
THE CONTRACTOR SHALL EXCAVATE AND REMOVE THE SOIL UNDER THE RIP RAP SO THAT THE TOP OF THE RIP RAP WILL MATCH THE FINISHED SLOPE CALLED OUT ON THE PLAN

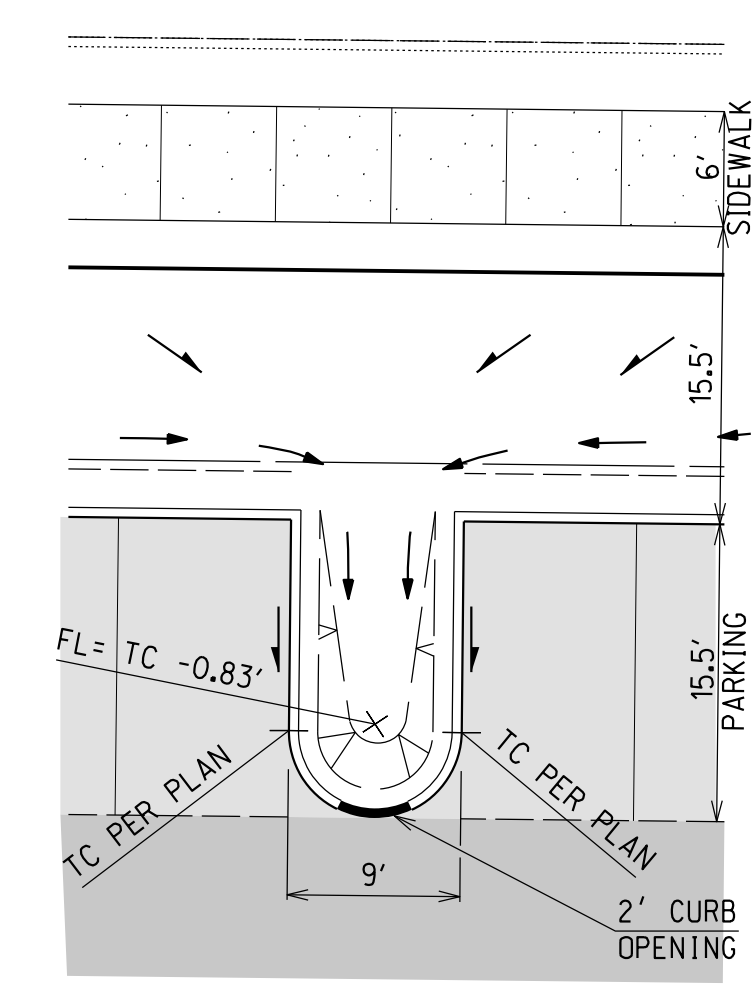
③ DRYWELL APRON  
DTL NAME: DRYWELLAPRON (01.19) NO SCALE



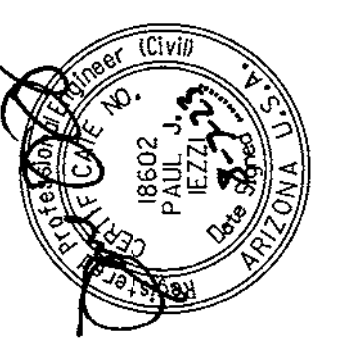
AA WEIR - SECTION  
NO SCALE



⑧ WATER HARVESTING ISLANDS  
ALONG BUILDING NO SCALE



⑧ WATER HARVESTING ISLANDS  
ALONG LOS REALES & ALVERNON WAY NO SCALE



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3945 EAST FORT LOWELL ROAD - SUITE 111  
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**RICK**  
ENGINEERING COMPANY  
Tucson

DESIGNED BY: THM DATE: 04/2022 CHECKED BY: PJI DATE: 04/2022  
DRAWN BY: PAD DATE: 04/2022 APPROVED BY: PJI DATE: 04/2022

DETAILS DEVELOPMENT PACKAGE

**I-10 INTERNATIONAL**  
4150 EAST LOS REALES ROAD, TUCSON, AZ 85756

A PORTION OF THE NORTHWEST QUARTER OF SECTION 22,  
TOWNSHIP 15 SOUTH, RANGE 14 EAST, GILA & SALT RIVER  
MERIDIAN, CITY OF TUCSON, PIMA COUNTY, ARIZONA.



DP22-0122  
C15-22-01

HORIZ : N/A  
VERT : N/A  
SHEET 34 OF 86