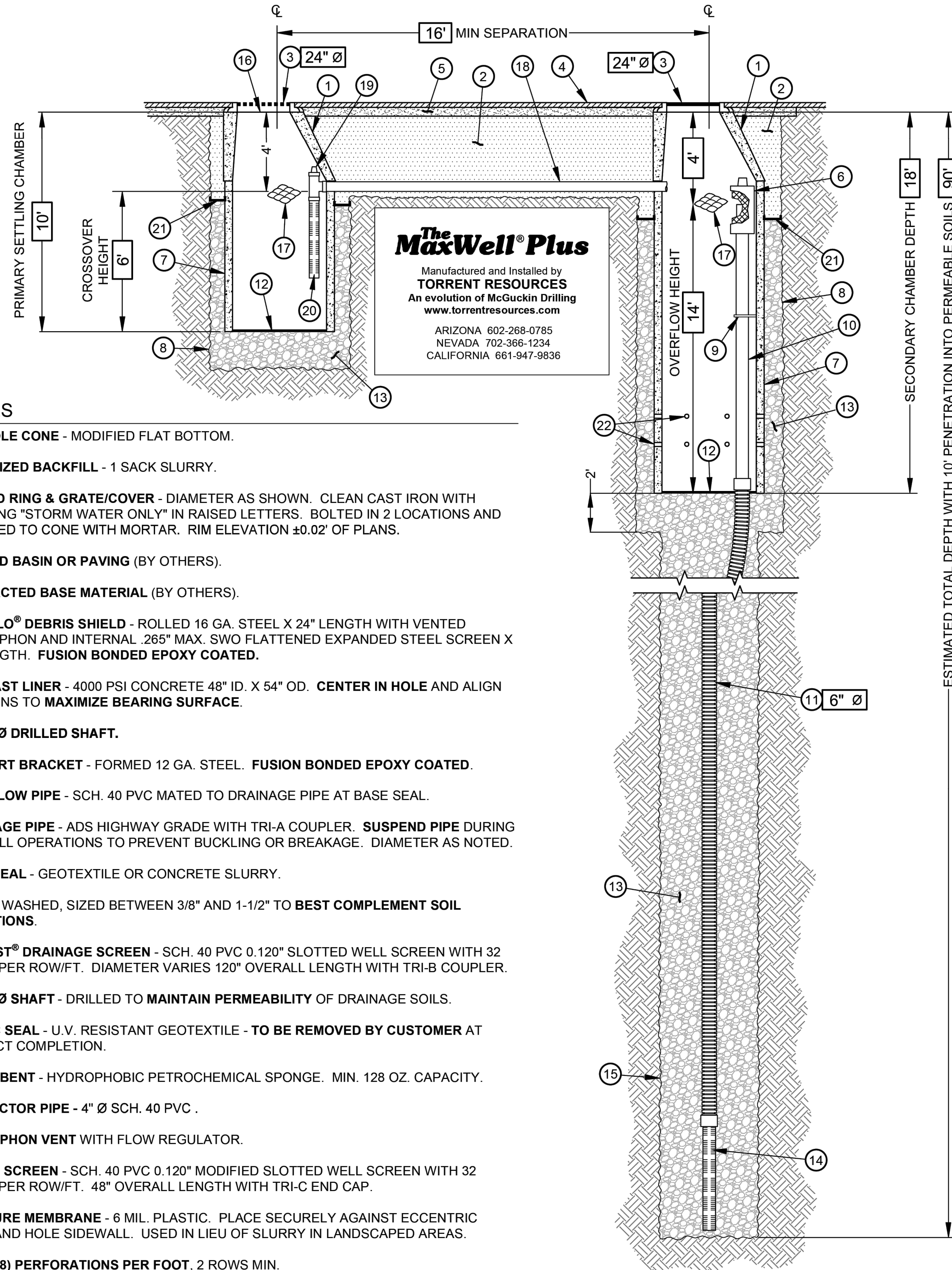


The MaxWell® Plus Drainage System Detail And Specifications



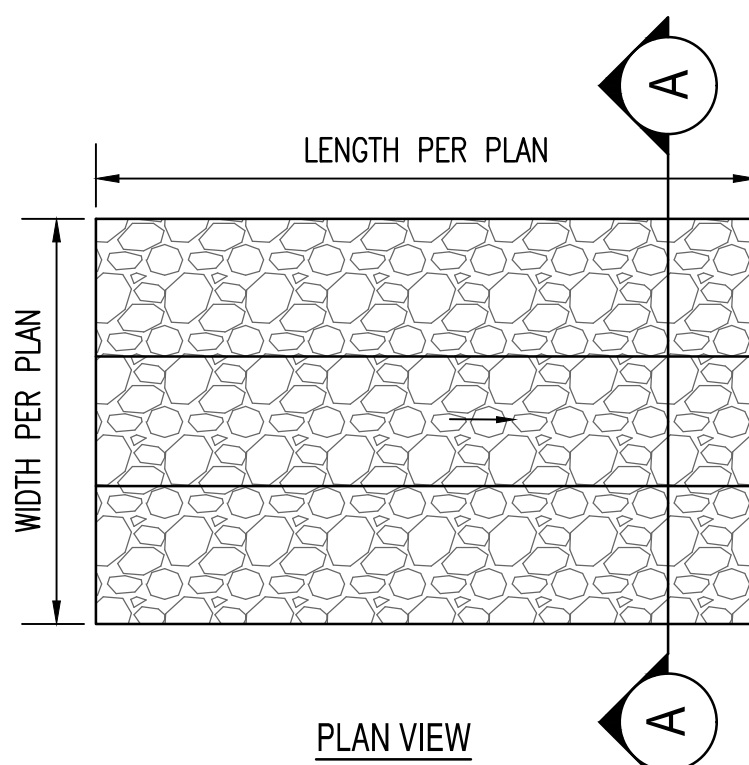
- NOTES
1. **MANHOLE CONE** - MODIFIED FLAT BOTTOM.
 2. **STABILIZED BACKFILL** - 1 SACK SLURRY.
 3. **BOLTED RING & GRATE/COVER** - DIAMETER AS SHOWN. CLEAN CAST IRON WITH WORDING "STORM WATER ONLY" IN RAISED LETTERS. BOLTED IN 2 LOCATIONS AND SECURED TO CONE WITH MORTAR. RIM ELEVATION $\pm 0.02'$ OF PLANS.
 4. **GRADED BASIN OR PAVING** (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. **PRE-CAST LINER** - 4000 PSI CONCRETE 48" ID. X 54" OD. **CENTER IN HOLE AND ALIGN SECTIONS TO MAXIMIZE BEARING SURFACE.**
 8. **MIN. 6" Ø DRILLED SHAFT.**
 9. **SUPPORT BRACKET** - FORMED 12 GA. STEEL. **FUSION BONDED EPOXY COATED.**
 10. **OVERFLOW PIPE** - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
 11. **DRAINAGE PIPE** - ADS HIGHWAY GRADE WITH TRI-A COUPLER. **SUSPEND PIPE DURING BACKFILL OPERATIONS TO PREVENT BUCKLING OR BREAKAGE.** DIAMETER AS NOTED.
 12. **BASE SEAL** - GEOTEXTILE OR CONCRETE SLURRY.
 13. **ROCK** - WASHED, SIZED BETWEEN 3/8" AND 1-1/2" TO **BEST COMPLEMENT SOIL CONDITIONS.**
 14. **FLOFAST® DRAINAGE SCREEN** - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. DIAMETER VARIES 120" OVERALL LENGTH WITH TRI-B COUPLER.
 15. **MIN. 4" Ø SHAFT** - DRILLED TO **MAINTAIN PERMEABILITY** OF DRAINAGE SOILS.
 16. **FABRIC SEAL** - U.V. RESISTANT GEOTEXTILE - **TO BE REMOVED BY CUSTOMER AT PROJECT COMPLETION.**
 17. **ABSORBENT** - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY.
 18. **CONNECTOR PIPE** - 4" Ø SCH. 40 PVC .
 19. **ANTI-SIPHON VENT WITH FLOW REGULATOR.**
 20. **INTAKE SCREEN** - SCH. 40 PVC 0.120" MODIFIED SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. 48" OVERALL LENGTH WITH TRI-C END CAP.
 21. **MOISTURE MEMBRANE** - 6 MIL. PLASTIC. PLACE SECURELY AGAINST ECCENTRIC CONE AND HOLE SIDEWALL. USED IN LIEU OF SLURRY IN LANDSCAPED AREAS.
 22. **EIGHT (8) PERFORATIONS PER FOOT, 2 ROWS MIN.**

AZ Lic. ROC070465 A, ROC047067 B-4, ADWR 363
CA Lic. 528080, C-42, HAZ.
NV Lic. 0055350 A - NM Lic. 90504 GFD4
U.S. Patent No. 4,923,330 -™ Trademark 1974, 1990, 2004

DRYWELL MAXWELL PLUS TYPICAL DETAIL



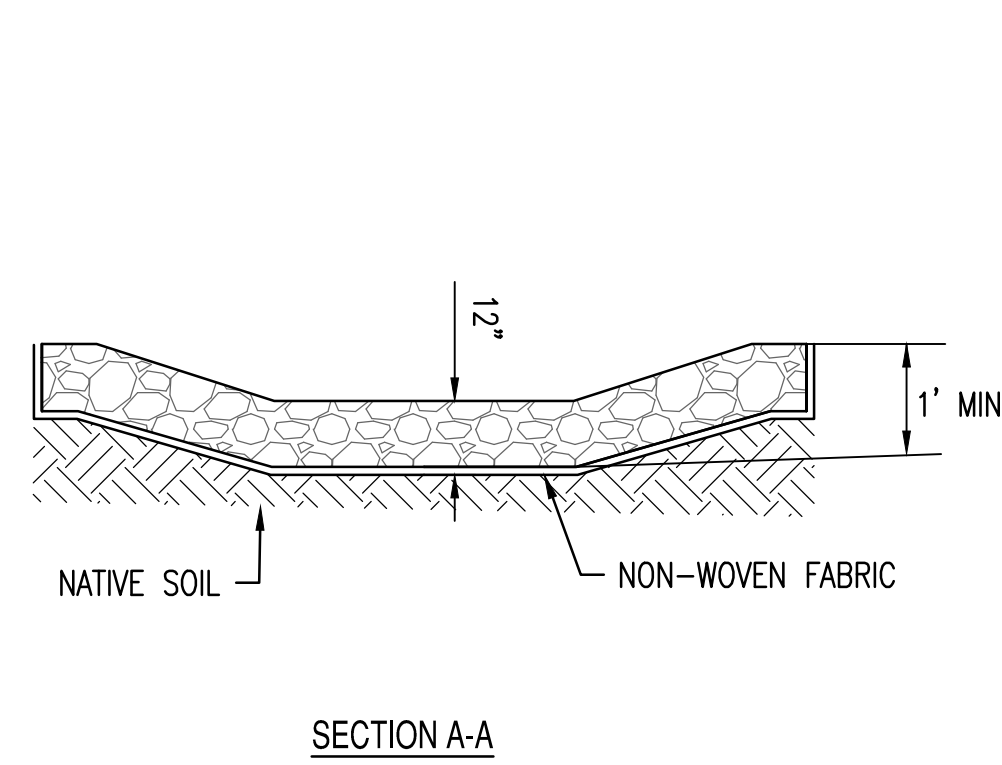
10



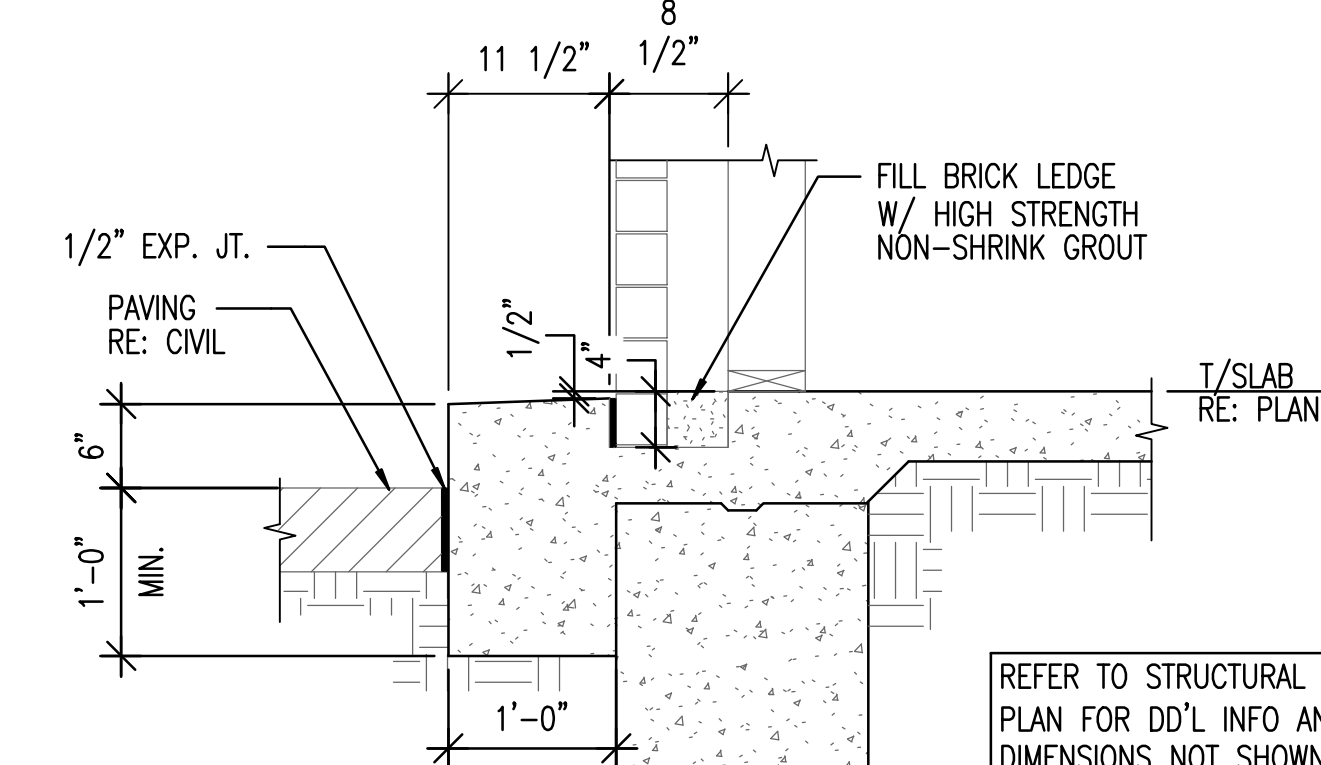
TYPICAL RIP RAP PAD



11



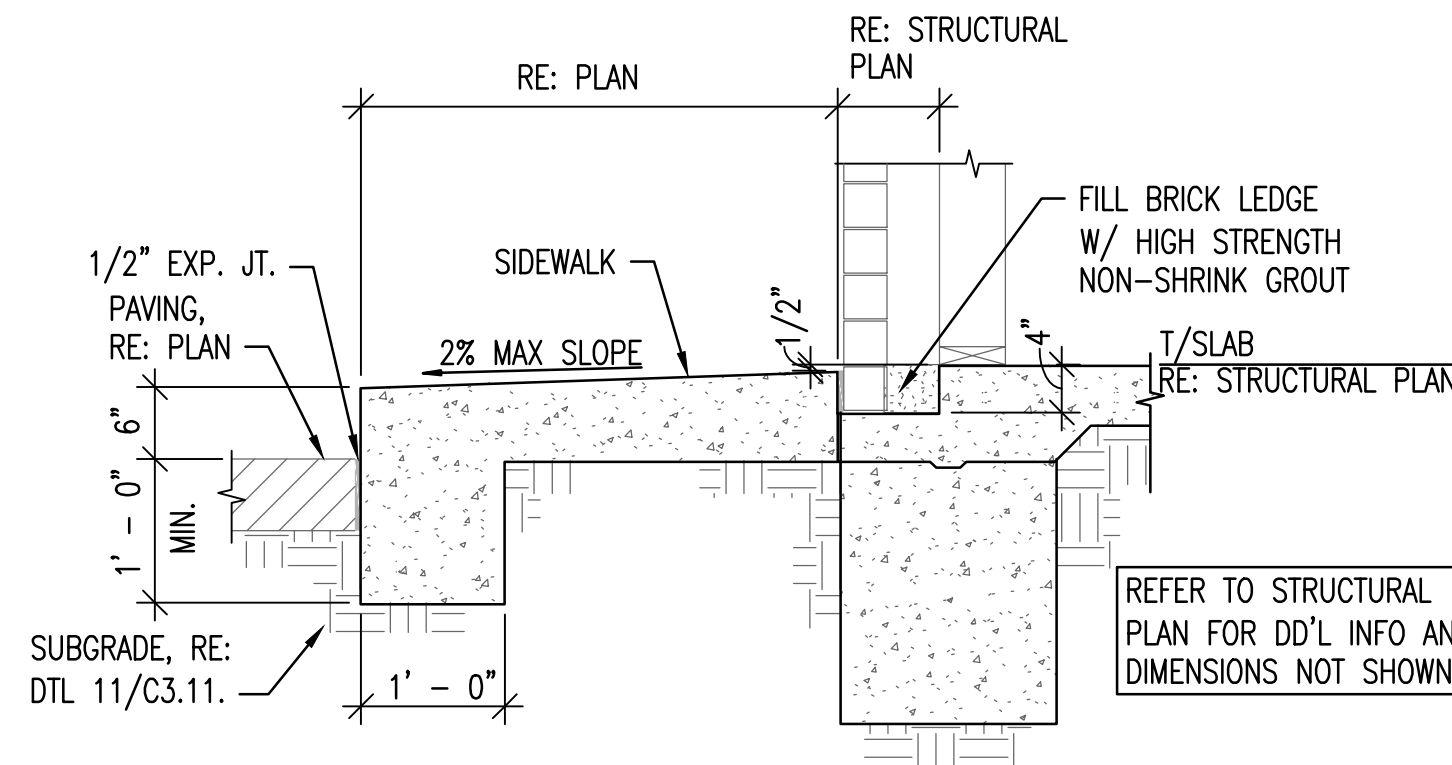
SECTION A-A



TURNDOWN SLAB



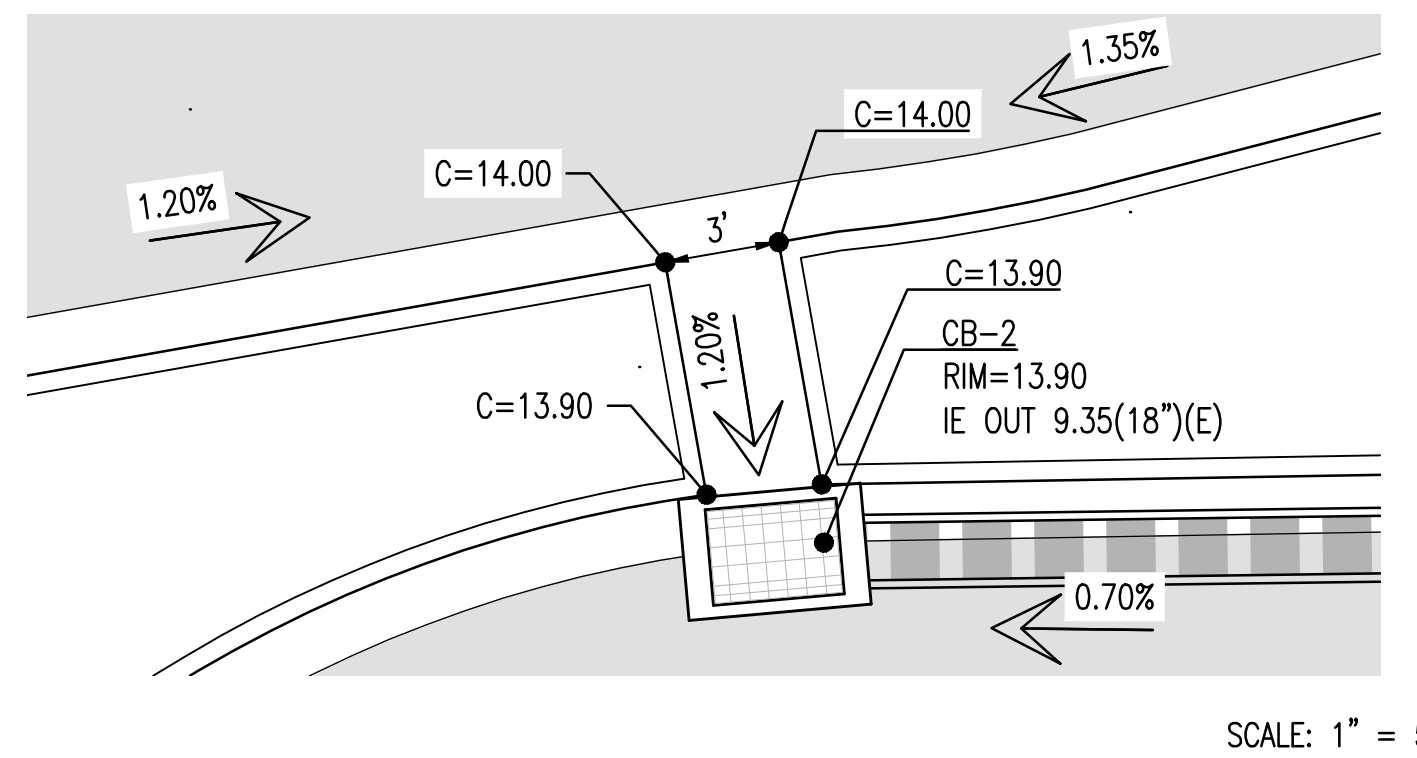
12



TURNDOWN SIDEWALK



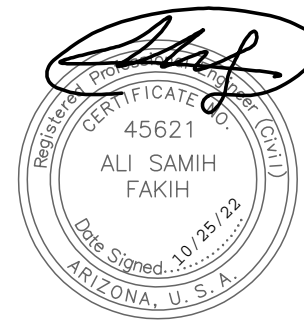
13



CURB OPENING



14



SUSTAINABILITY
ENGINEERING
GROUP

SEG



Desert De Oro Foods
INC



PROJECT
WHATABURGER AVONDALE

LOCATION
NEC N. 107TH AVE AND
W. MCDOWELL ROAD

DRAWN: DS 10/21/2022
DESIGNED: LR/DS 10/21/2022
QC: SC 10/21/2022
FINAL QC: LA 10/25/2022
PROJ. MGR: AF 10/25/2022

DATE: 10/25/2022

ISSUED FOR: PERMITS

REVISION NO.:	DATE:
1	
2	
3	

JOB NO.: 201015

SHEET TITLE:

GRADING AND
DRAINAGE DETAILS

PAGE NO.: 9 OF 18

SHEET NO.: C3.11

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