

AR ZONASII.

Call 811 or eliek Artzona811.com

DRAWN 11/02/2023

11/02/2023 ISSUED FOR:

PERMITS REVISION NO .:

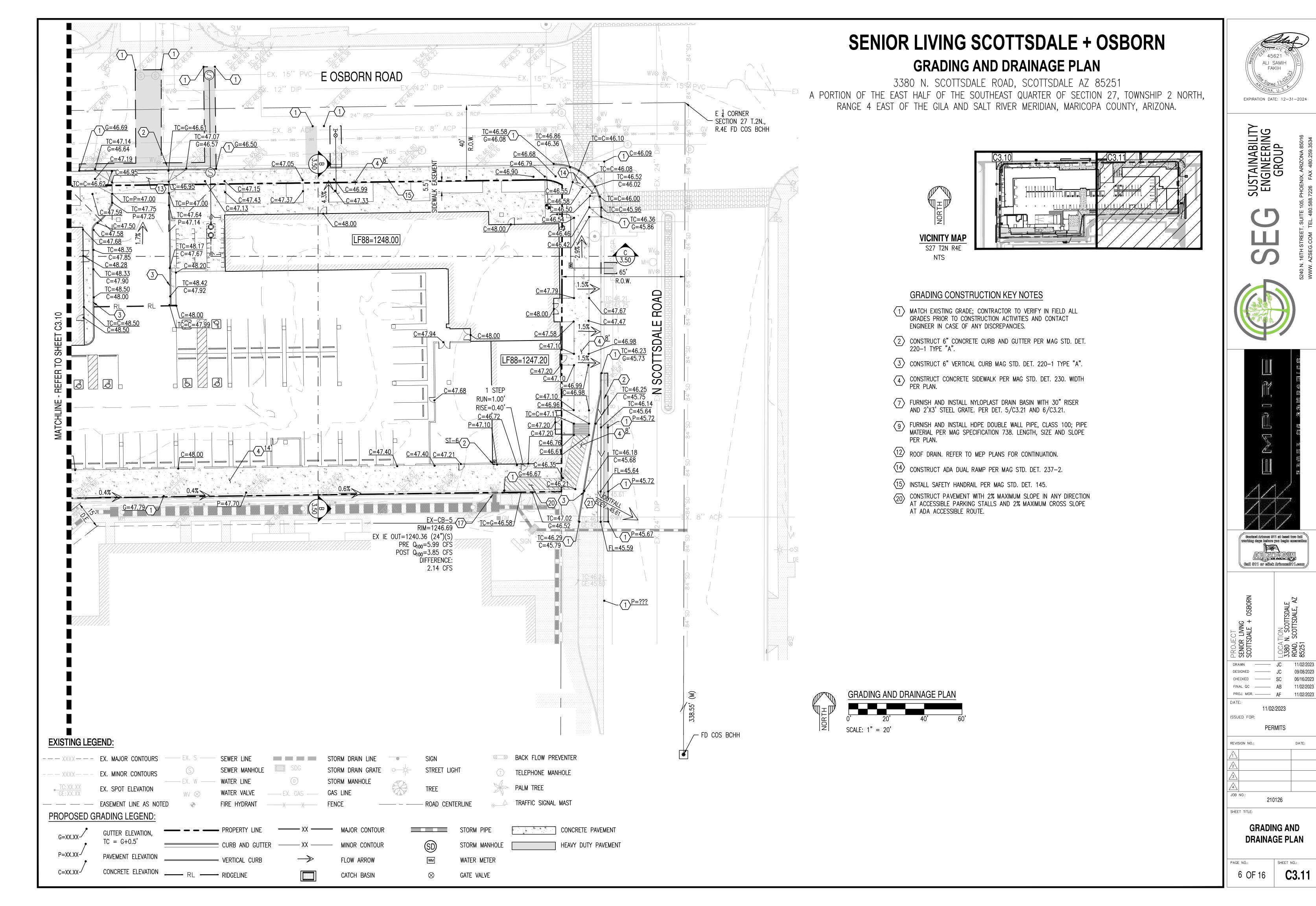
JOB NO.: 210126

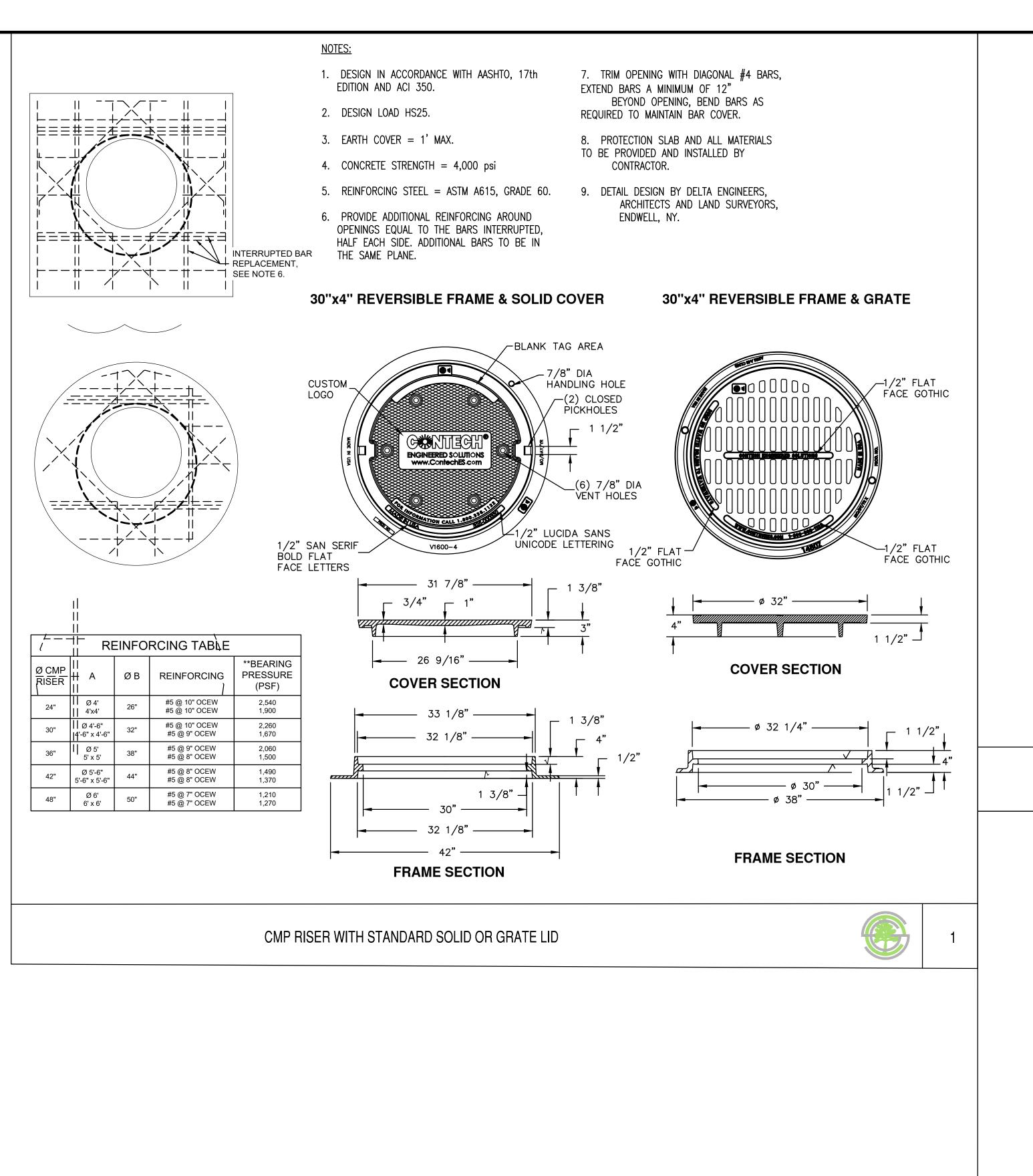
> **GRADING AND DRAINAGE PLAN**

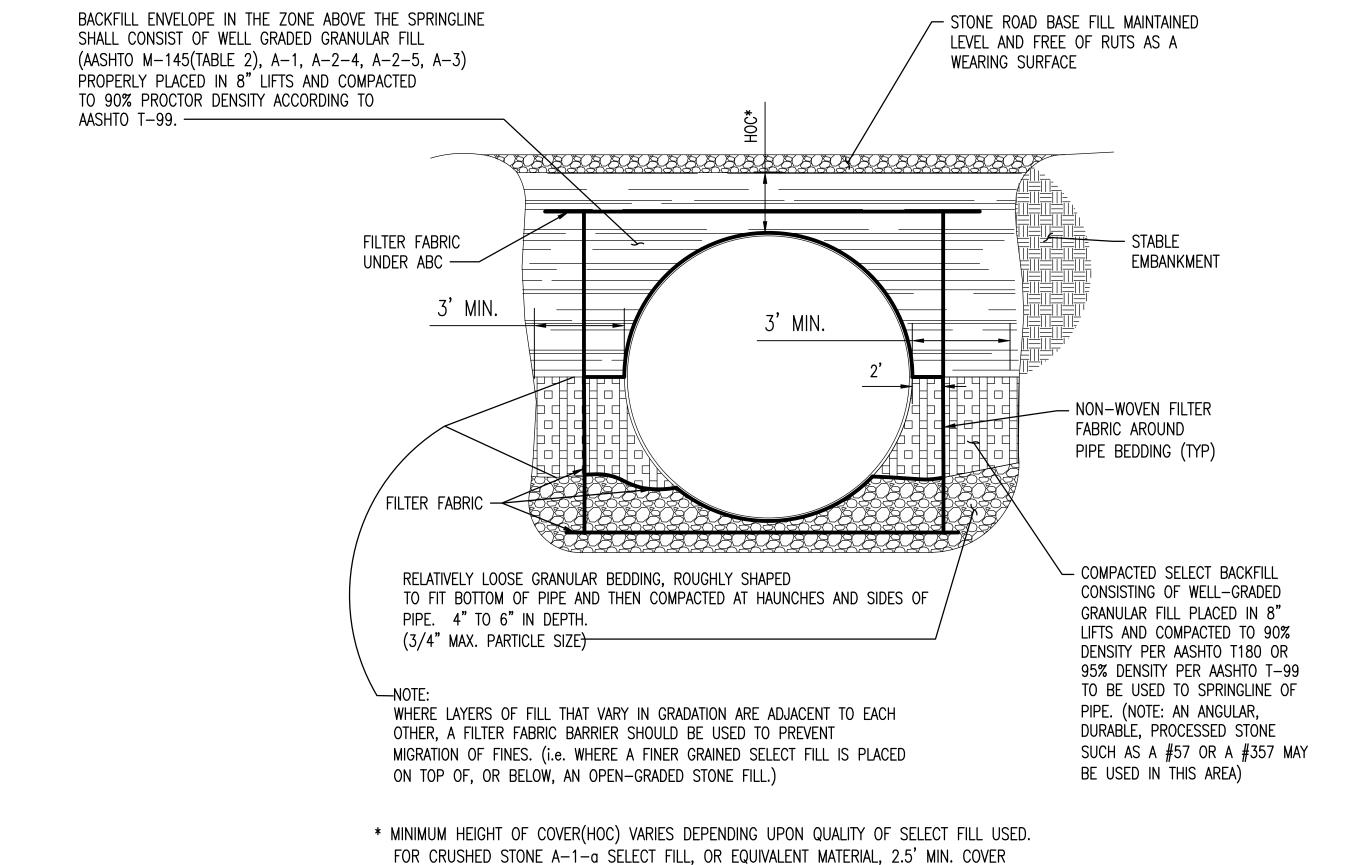
5 OF 16

C3.10

DATE:









RISER EXTENSION -

RISER STUB -

ALL STEEL PER ASTM A36

WELD OR BOLT TO MANHOLE RISER

6"

WELD OR BOLT TO END

WALL (TYP.)

18"

END WALL OF

STORAGE TANK

RISER EXTENSION

COVER IS REQUIRED TO BOTTOM OF BASE COURSE WEARING SURFACE.

TO THE BOTTOM OF BASE COURSE IS REQUIRED. FOR OTHER SELECT FILL MATERIAL, 3' MIN.



* IN FIELD WELD OR BOLT

TO MANHOLE RISER

-1 1/4" x 1 1/4" x 1/4"

WELDED (TYP.) OR BOLT

-1 1/4" x 1 1/4" x 1/4" STEEL STEEL ANGLE (TYP.)

- 1 1/4" x 1 1/4" x 1/4" STEEL STEEL ANGLE (TYP.)

STEEL ANGLE FULLY

- 4"x4"x3/16" STEEL PLATE

1" STEEL

ROD FULLY

WELDED

2

Gombaet Artizona 811 at Least two full

ALI SAMIH

FAKIH

EXPIRATION DATE: 12-31-2024

SUSTAINABILITY ENGINEERING GROUP

Contact Arizona 311 at least two full working days before you begin execuation

AR ZONASII

Call 311 or elick Arizona 311.com

PROJECT
SENIOR LIVING
SCOTTSDALE + OSBORN

CONTSDALE + OSBORN

CON

SIGNED JC 09/08/2023
HECKED SC 06/16/2023
NAL QC AB 11/02/2023
ROJ. MGR. AF 11/02/2023

DATE: 11/02/2023 ISSUED FOR:

FOR:
PERMITS

GRADING AND DRAINAGE DETAILS

72" DETENTION PIPE LADDER

7 OF 16

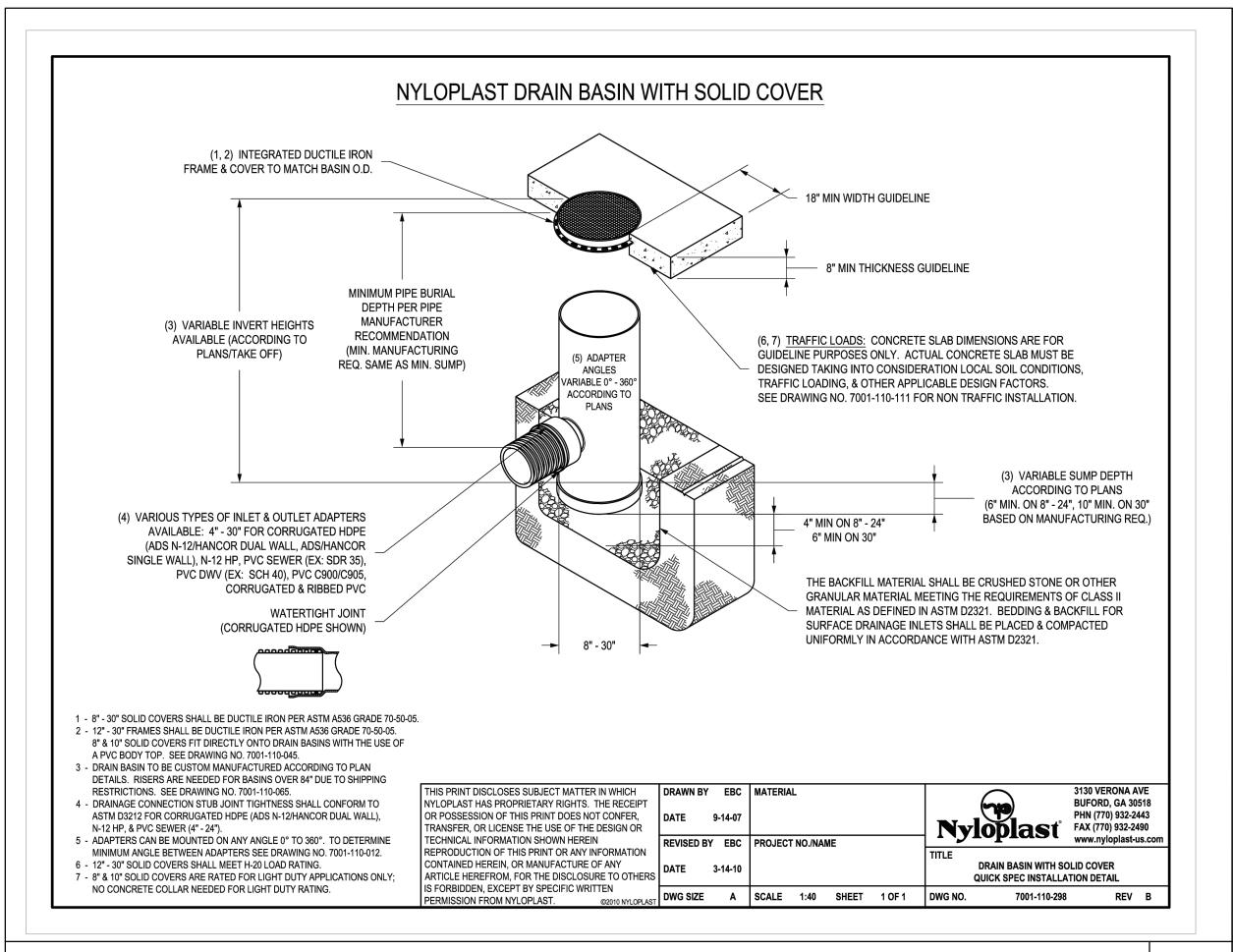
C3.20

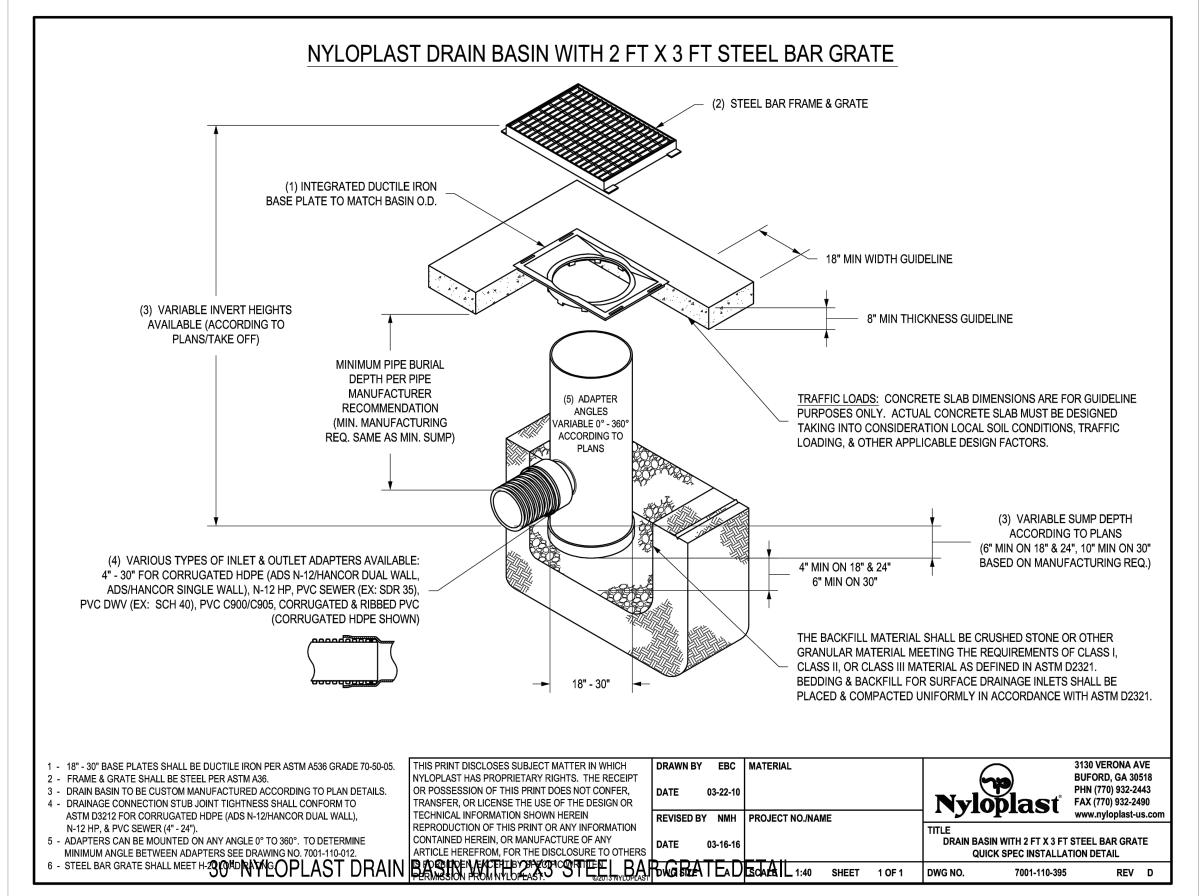
T NO.:

DATE:

DA

INSTRUMENT OF SERVICE

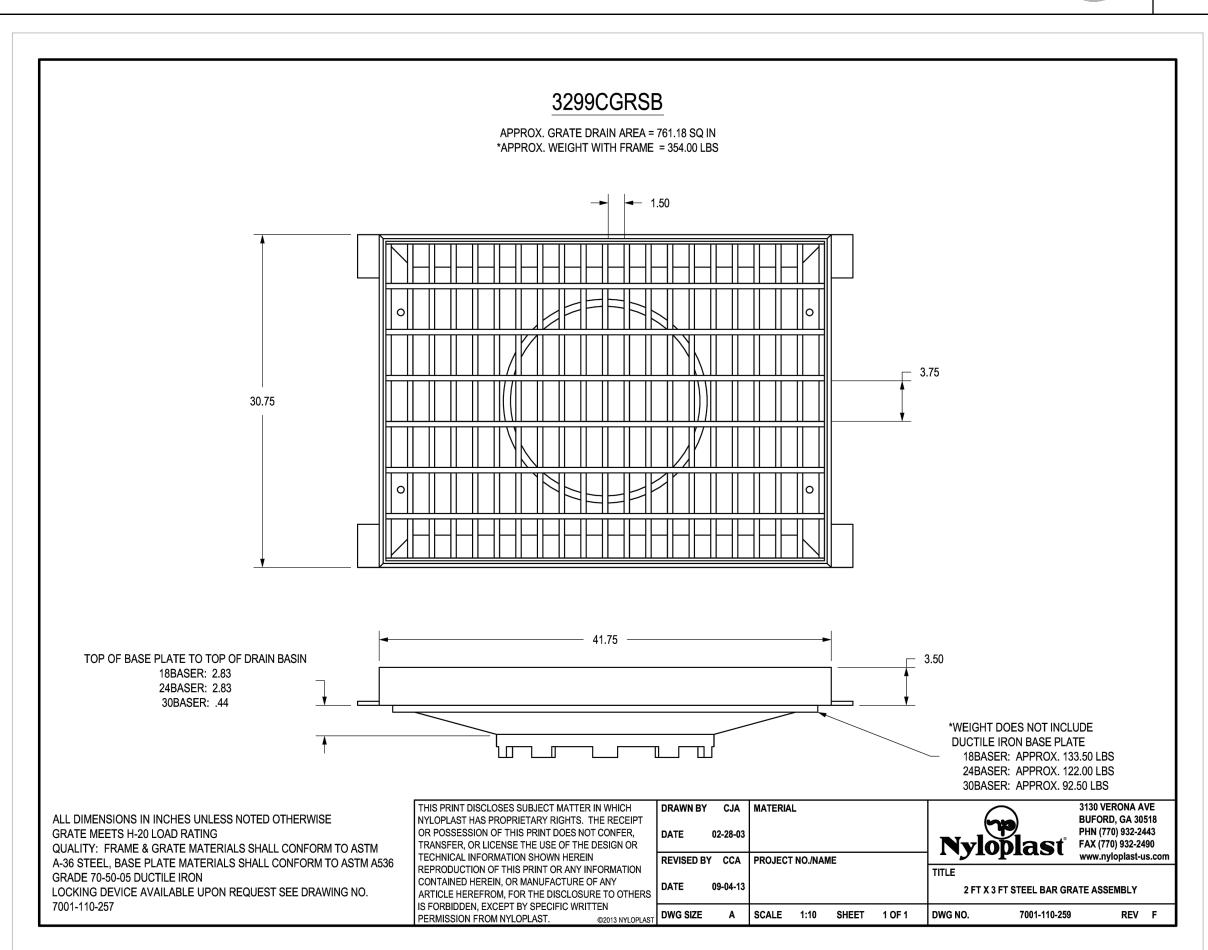


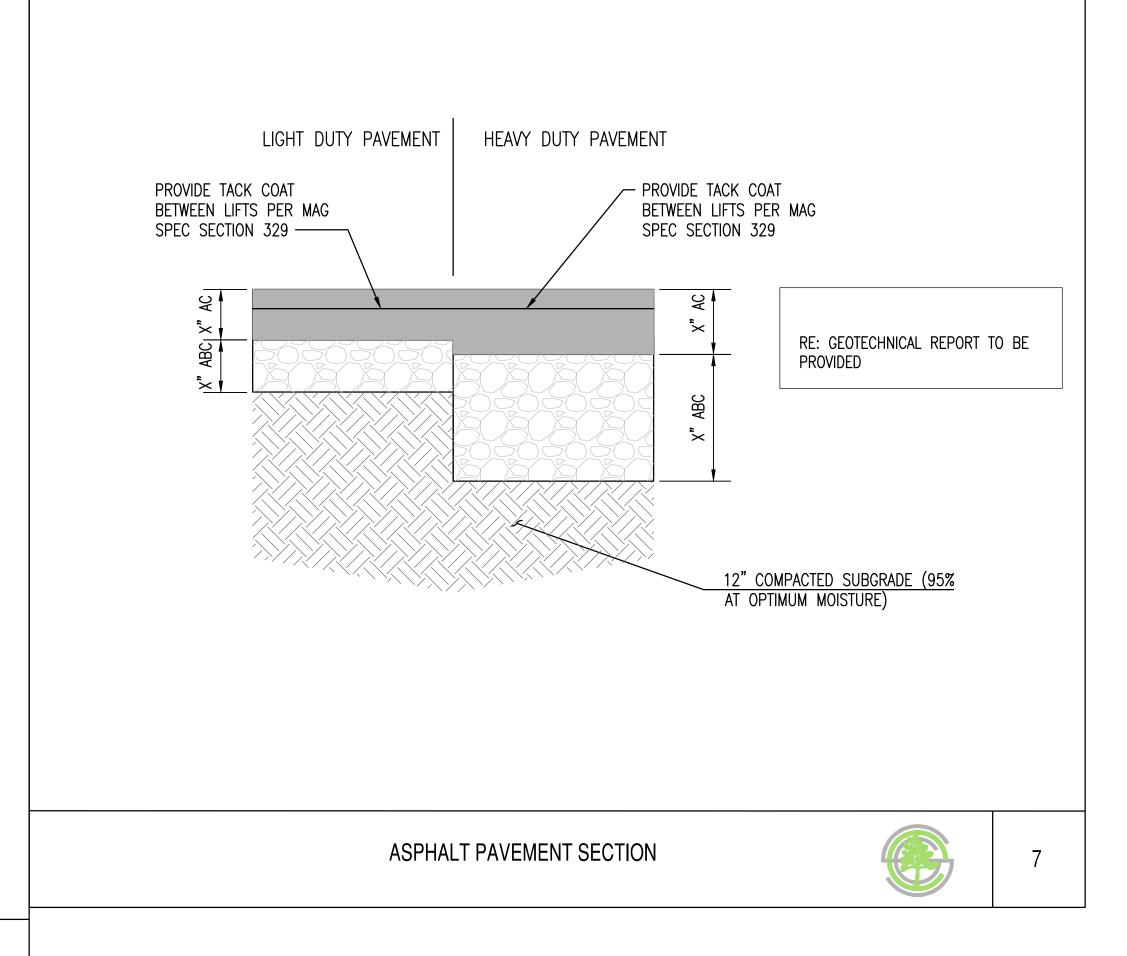


NYLOPLAST DRAIN BASIN WITH SOLID COVER

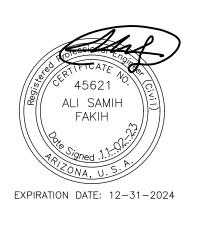














Contact Arizona 311 at least two full ARIZONA STANDA

Call 811 or elick Arizona811.com

11/02/2023 DRAWN 06/16/2023 11/02/2023 PROJ. MGR. — AF 11/02/2023 DATE:

11/02/2023 ISSUED FOR: PERMITS

REVISION NO.: DATE:

JOB NO .: 210126

> GRADING AND **DRAINAGE DETAILS**

C3.21

The MaxWell® Plus Drainage System Detail And Specifications The MaxWell® Plus Drainage System Detail And Specifications

MaxWell®Plus

NEVADA 702-366-1234 CALIFORNIA 661-947-9836

4

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 ±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.

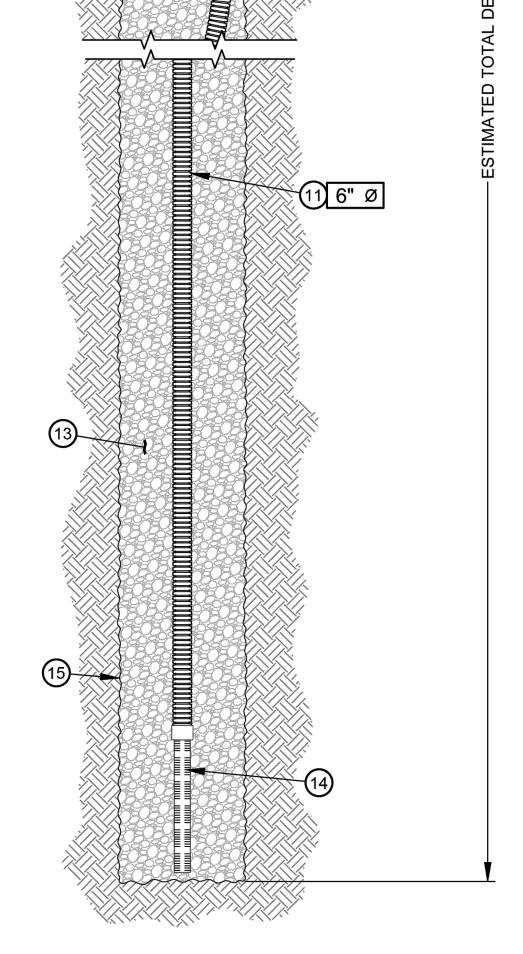
20. **INTAKE SCREEN** - SCH. 40 PVC 0.120" MODIFIED SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. 48" OVERALL LENGTH WITH TRI-C END CAP.

21. **FREEBOARD DEPTH VARIES** WITH INLET PIPE ELEVATION. INCREASE PRIMARY/SECONDARY SETTLING CHAMBER DEPTHS AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE CONNECTOR PIPE OVERFLOW.

22. EIGHT (8) PERFORATIONS PER FOOT, 2 ROWS MIN.

23. MOISTURE MEMBRANE - 6 MIL. PLASTIC. PLACE SECURELY AGAINST ECCENTRIC CONE AND HOLE SIDEWALL. USED IN LIEU OF SLURRY IN LANDSCAPED AREAS.

24. **INLET PIPE** (BY OTHERS).

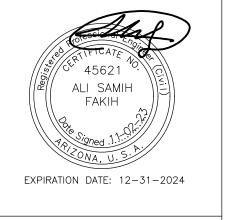


AZ Lic. ROC070465 A, ROC047067 B-4, ADWR 363 CA Lic. 528080, C-42, HAZ. NV Lic. 0035350 A - NM Lic. 90504 GF04

U.S. Patent No. 4,923,330 - [™] Trademark 1974, 1990, 2004

AZ MAXWELL PLUS





SUSTAINABILITY ENGINEERING GROUP

JETH STREET, SUITE 105, PHOE



Gontact Artzona 811 at least two full working days before you begin excevation

SCOTTSDALE + OSBORN

SCOTTSDALE + OSBORN

SCOTTSDALE + OSBORN

STAND N. SCOTTSDALE

ROAD, SCOTTSDALE

ROAD, SCOTTSDALE

ROAD, SCOTTSDALE

ROAD, SCOTTSDALE

Call 811 or eliek Artzona811.com

DRAWN JC 11/02/2000

DESIGNED JC 09/08/2000

CHECKED SC 06/16/2000

FINAL QC AB 11/02/2000

PROJ. MGR. AF 11/02/2000

ISSUED FOR:

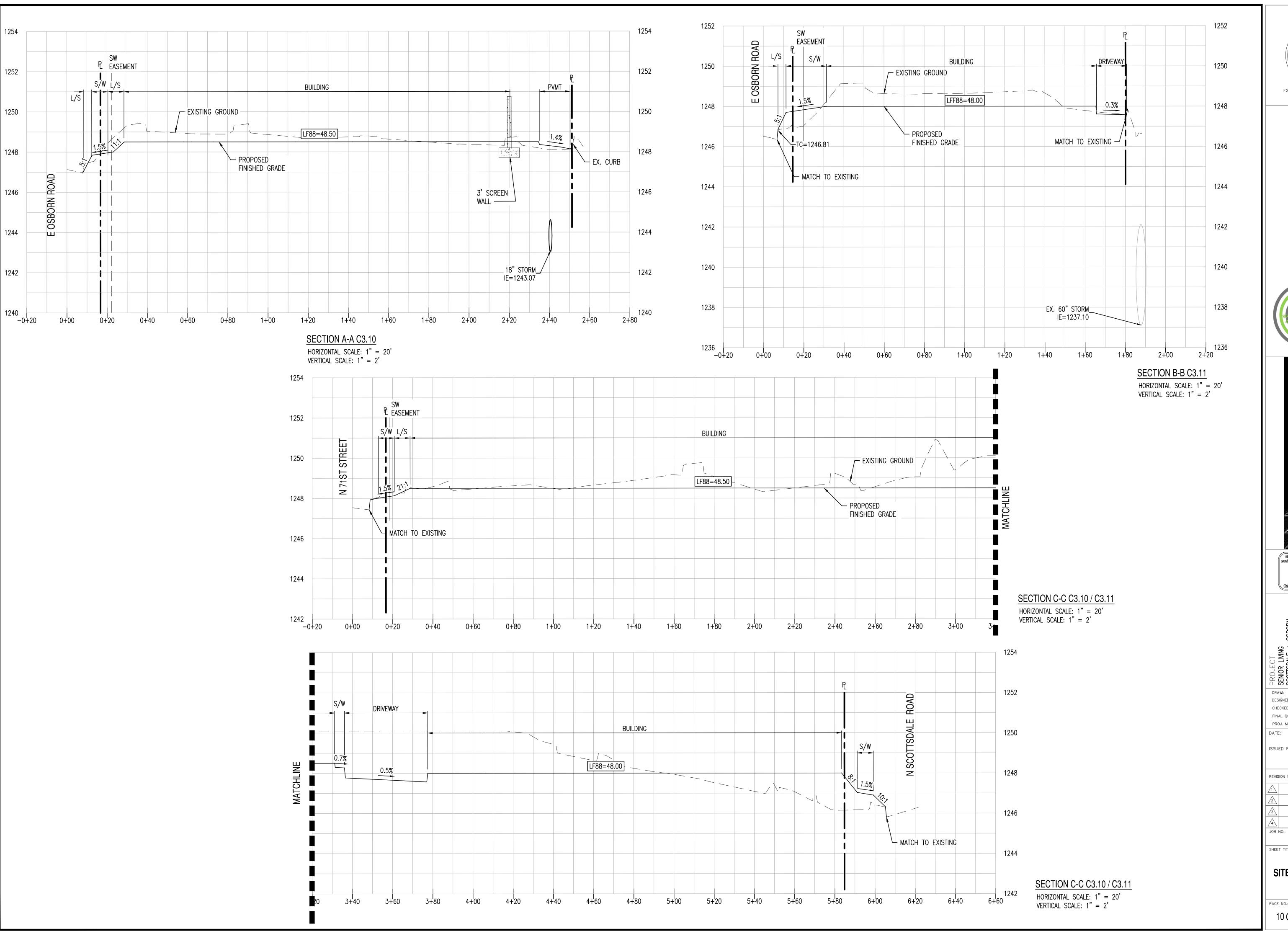
PERMITS

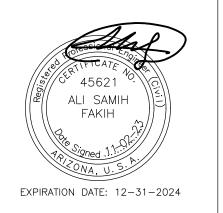
REVISION NO.: DATE:

GRADING AND DRAINAGE DETAILS

9 OF 16

C3.22





SUSTAINABILITY ENGINEERING GROUP



AR ZONASII.

Gall 811 or eliek Arizona811.com

06/16/2023 PROJ. MGR. — AF 11/02/2023

11/02/2023 ISSUED FOR:

PERMITS

DATE: REVISION NO.:

SHEET TITLE:

SITE CROSS-SECTIONS

210126

10 OF 16

C3.50