

**VICINITY MAP**

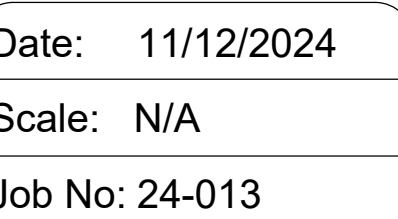
NOT TO SCALE

1. Prior to the installation of any drainage structure the contractor shall excavate, verify, and calculate all crossings and inform the engineer of any conflicts or discrepancies prior to proceeding with the construction. The engineer will be held harmless in the event the engineer is not notified of any conflicts.
2. The contractor shall control and prevent off-site tracking of construction material or sediment to adjacent property owners or public rights-of-ways.
3. City Corporation Construction Details, Index, and General Notes are available for download at: <https://citycorporation.com/standards-specifications/>  
It is the responsibility of the Contractor to obtain the most current published copy through Internet download or purchase from City Corporation's Office.
4. All Site Construction shall meet the ArDOT and City of Russellville Standards for Construction when applicable.
5. A pre-construction conference is required with the City of Russellville Public Works Department with the following people before issuance of a grading permit:
  - 5.1.1. Engineer of Record (or appropriate design professional)
  - 5.1.2. Inspector for Engineer of Record
  - 5.1.3. Contractor(s)
    - 5.1.3.1. Superintendent who will be on-site daily during all phases of construction.
    - 5.1.3.2. All subcontractors responsible for installation of public infrastructure.
6. Prior to engineering approval of the Building Permit, either the required public improvements must be installed and accepted, or performance bonds in the amount of 150% of the construction cost for all public improvements must be submitted, accompanied by a unit price estimate approved by the Engineering Division and all easements must be dedicated and or vacated.
7. The public works inspector shall be notified no less than 48 hours prior to the installation of public, roadway, sidewalk, utilities crossing a road, etc. Testing shall be coordinated with the City of Russellville PW Dept. by the Engineer of Record.
8. The engineer of record shall provide "Part Time" inspection and testing for the storm drainage and roadway construction for this project - Public Works inspector must be present for testing. Contractor is responsible for scheduling testing with the Engineer of Record.

1. Contractor shall notify Engineer 48 hours prior to starting construction.
2. Prior to Project Acceptance the following items must be performed or provided to the satisfaction of the Engineering Department:
  - 2.1. The work shown on the civil site plans must be complete and the items on the final punch list completed.
  - 2.2. Vegetation must be established and perimeter erosion controls removed.
  - 2.3. One (1) set of as-built drawings of the complete project (excluding details) as a hard copy, digital file .dwg and PDF format:
    - 2.3.1. Public infrastructure and services shall be surveyed after installation in relation to easements, property lines, and rights-of-way
      - 2.3.1.1. More than 2 ft deviation of design alignment of shall require new easement dedication or adjustment of the utility/storm drain.
    - 2.3.2. Street Centerline, Width, profiles, and cross slopes shall be verified
      - 2.3.2.1. More than 6 inches deviation of design alignment of shall require new right of way dedication or adjustment of the street section.
    - 2.3.3. Adequate verification survey to confirm accuracy of grading plan.
    - 2.3.4. Certification that the streets, sidewalk, etc., were installed per approved plans and City of Russellville's requirements.

|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>PROJECT OWNER</b><br/> <b>Matt Williams</b><br/>         1500 W. Main Street<br/>         Russellville, AR 72801<br/> <b>P: 479-967-6453</b><br/> <b>M: 870-710-2000</b><br/> <b>E: mgwdds@yahoo.com</b></p>                                                                                                                                                                                                   | <p><b>Lumen (Telephone/Internet)</b><br/>         1-800-201-4099<br/>         • Nathan Abernathy<br/> <b>E: nathan.abernathy@centurylink.com</b></p> <p><b>Summit Utilities (Gas)</b><br/>         4408 East Main St.<br/>         Russellville, AR. 72801<br/>         1-800-992-7552<br/>         • Kent Lusby<br/> <b>E: jlusby@summitutilities.com</b><br/> <b>P: 479-968-8934</b></p> | <p><b>City Corporation (Water &amp; Sewer Co.)</b><br/>         205 West 3rd Place<br/>         Russellville, AR 72801<br/>         • Main Phone: 479-968-2105<br/>         • Steve Mallett (General Manager)<br/> <b>E: smallett@citycorporation.com</b><br/>         • Zayne Bryson (Engineering Director)<br/> <b>E: zbryson@citycorporation.com</b></p> |
| <p><b><u>City of Russellville - Public Works</u></b><br/>         220 N Knoxville Ave.<br/>         Russellville, AR 72801<br/>         • 479-968-2406<br/>         • Kenneth Duvall (Public Works Director)<br/> <b>E: kduvall@rsvlar.org</b><br/>         • Junior Marpel (Operations Manager)<br/> <b>E: jmarpel@rsvlar.org</b><br/>         • Glenn Newman (City Engineer)<br/> <b>E: gnewman@rsvlar.org</b></p> | <p><b>Entergy Arkansas (Electric)</b><br/>         Customer Service<br/>         1-800-368-3749<br/>         • Francisco Romero Cruz (Field Engineer)<br/> <b>E: fromer1@entergy.com</b><br/> <b>P: 479-964-5726</b><br/> <b>F: 479-964-5753</b></p>                                                                                                                                       | <p><b><u>Optimum - Suddenlink (TV Cable)</u></b><br/>         127 North Elmira Ave.<br/>         Russellville, Ar. 72801<br/>         479-968-2223<br/>         1-877-778-2486<br/>         • Chae Bellah<br/> <b>M: 870-273-8809</b><br/> <b>E: chae.bellah@alticeusa.com</b></p>                                                                          |

|    |                      |
|----|----------------------|
| C1 | Cover Sheet          |
| C2 | Topographic Survey   |
| C3 | Site Plan            |
| C4 | Grading Plan         |
| C5 | Utility Plan         |
| C6 | Landscape Plan       |
| C7 | Erosion Control Plan |
| C8 | Detail Sheet         |
| C9 | Detail Sheet         |
| D1 | Pre-Developed Basin  |
| D2 | Post-Developed Basin |



Sheet No.

**C1**



Know what's **below**.  
**CALL** before you dig.



Carolyn Creel  
6603 Clifford Ct.  
Arlington, TX 76016  
Zoned - C2

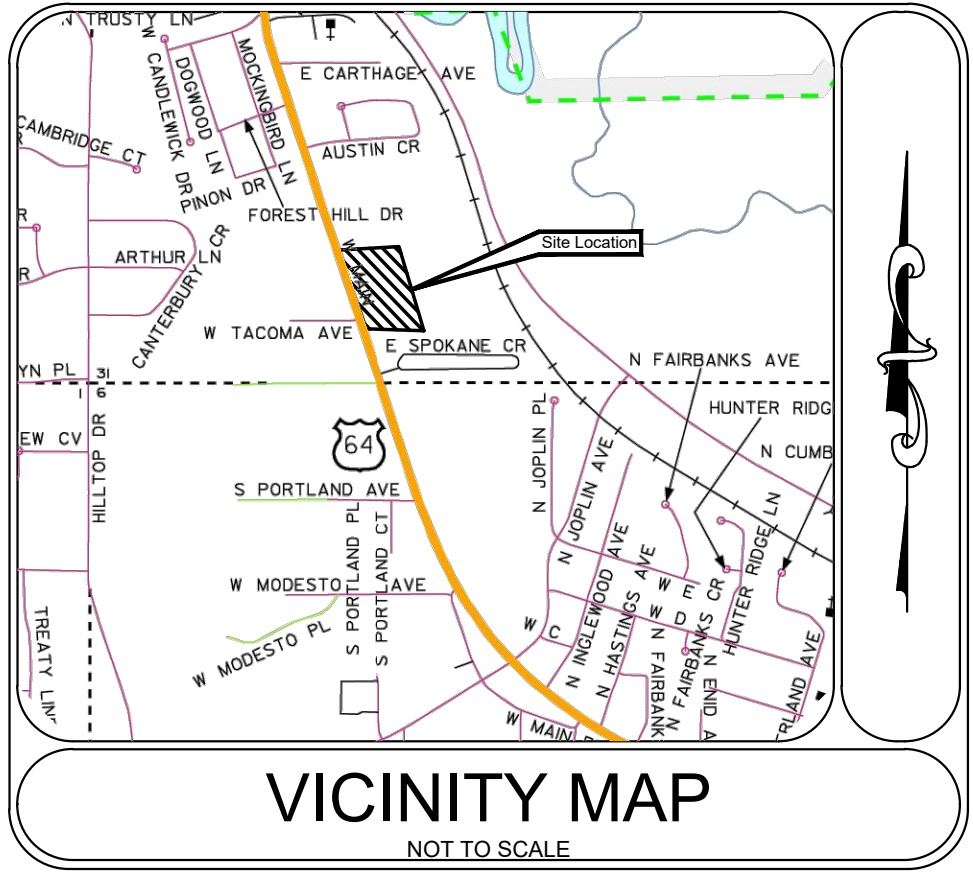
Michael & Robin Dalton  
314 Quapaw Dr.  
Russellville, AR, 72802  
Zoned - R1  
(property is commercial use)

William Thornsberry  
P.O. Box 788  
Russellville, AR, 72811  
Zoned - R-1  
(property is commercial use)

Property Owner:  
MGW, LLC  
Matt Williams  
1500 W. Main Street  
Russellville, AR 72801  
Zoned - C2

Subject Property  
171648.43 S.F.  
3.94 Acres

Horace & Raymond Beavers  
275 Campbell Rd.  
Russellville, AR, 72802  
Zoned - R4



#### LEGAL DESCRIPTION

A Part of the SE1/4 of the SW1/4 of Section 31, T-8-N, R-20-W, Russellville, Pope County, Arkansas, more particularly described as follows:  
Commencing at the SW Corner of said SE1/4 of the SW1/4; thence N01°19'13" E, along the West line thereof, 733.96 ft.; thence S 88°14'47" E, 79.56 ft. to a point on the East right of way line of West Main Street and being the point of beginning; thence continue S 88°14'47" E, 360.94 ft to a point on the West line of West End Village; thence along said West line the following:  
S 01°44'12" W, 100.00 ft. S 88°14'47" E, 72.00 ft.; S 01°44'12" W, 84.77 ft.; S 15°56'42" E, 194.79 ft.; S 01°44'12" W, 78.81 ft.; thence leaving said West line N 88°14'55" W, 351.87 ft., to a point of the East right of way line of West Main Street; thence along said East right of way the following: N 16°41'37" W, 39.84 ft.; N 20°30'27" W, 150.33 ft.; N 16°41'37" W, 287.00 ft. to the point of beginning. Containing 3.94 Acres as surveyed. Subject to any right-of-way dedications and easements of record.

NOTE: The above described property is not in a designated 100 Year Flood Plain as per FEMA Map No. 050178 0370E, dated March 2, 2010.

Address: W. Main Street  
Russellville, Arkansas 72801

#### SURVEYOR'S CERTIFICATE

This is to certify that the above described property has been surveyed under my personal supervision and the above plat is an acceptable accurate representation thereof and shows the location of the property, its exterior boundaries, roadways, any known easements and observable encroachments, if any.

This survey is made for the use of the parties shown hereon and also for those who purchase, mortgage or guarantee the title for said parties. Barrett & Associates, Inc., its associates, and/or agents shall not be liable for use of this survey by any other entities or persons for any purpose beyond the date shown. This document should contain a red seal to indicate an original.

Basis of Bearings  
Arkansas State Plane North / US Survey Foot  
Combined Scale Factor: 0.999948532487  
Convergence Factor: -0°40'47.81597358"  
Corner: NW  
Coordinate: N: 352392.8637 / E: 963656.5087

Coding Data: 500-08N-20W-0-31-320-58-1378

**BARRETT & ASSOCIATES**  
PROFESSIONAL ENGINEERS  
LAND SURVEYORS  
GEOTECHNICAL SERVICES  
WWW.BARRETTANDASSOC.COM  
608 WEST "B" STREET  
RUSSELLVILLE - ARKANSAS 72801  
Off: (479)968-5005 Fax: (479)990-5564

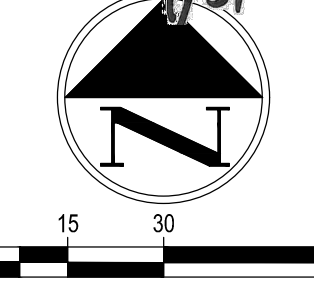
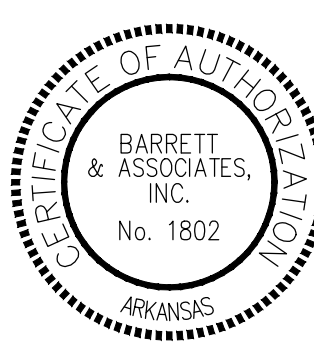
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Scale: 1" = 30'

Job No: 24-013

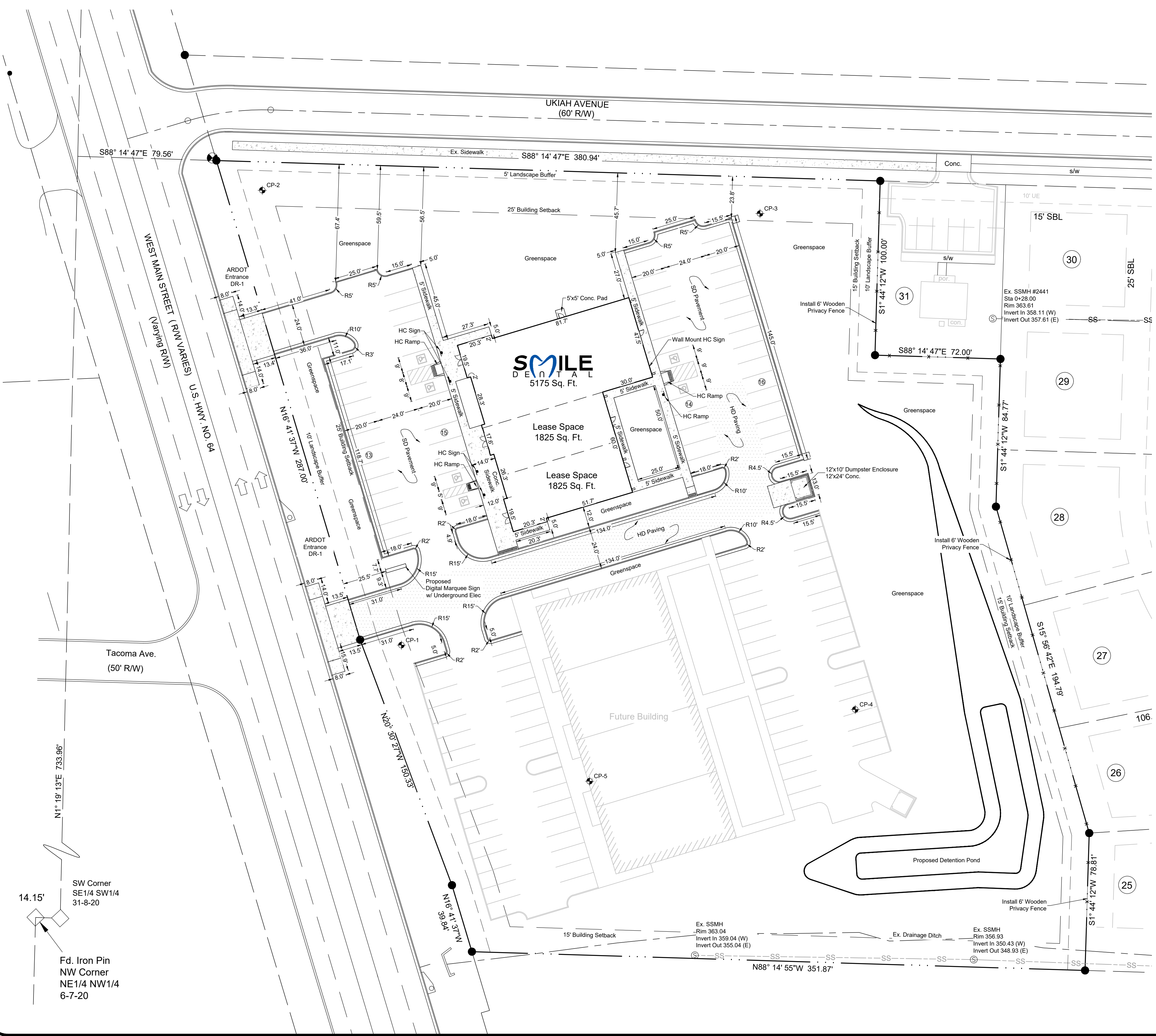
Sheet No.

C2





Plat Date: 11/05/2024, 1:15 PM, File Path: \\P:\Projects\2024\24-013\Drawings\24-013\_Series Dental Civil Base 1122024.dwg  
File Path: \\P:\Projects\2024\24-013\Drawings\24-013\_Series Dental West Main Street\24-013\_Series Dental Civil Base 1122024.dwg



Property Owner:  
MGW, LLC  
Matt Williams  
1500 W. Main Street  
Russellville, AR 72801  
Zoned - C2

- NOTES:
- (1) B.S.L. = Building Setback Line  
U/E = Utility Easement
  - (2) Current Zoning: C-2 (Highway Commercial)  
Min. Lot Area - none  
Min. Lot Width - none  
Setbacks: Front - 25', Side - none, Rear - none
  - (3) Coverage Calculations:  
Lot size = 171,648 sf Buildings = 8,825 sf  
5% coverage.

Type of Activity: Dental Services / Lease Space

Lighting: There will be lights on the building walls and in the parking lot area. The lighting design will conform to the Cities Night Sky requirements.

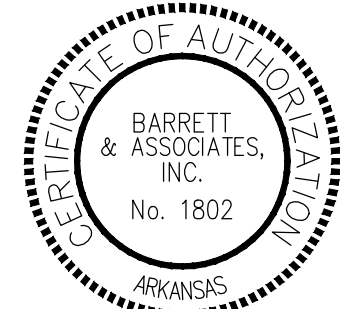
Utilities: City of Russellville Water is available on the South side of Ukiah Avenue & Sanitary Sewer shall be provided at the rear of the development through an existing sewer manhole located to the west of the Office Building for the Village.

Exterior Speakers: None.

Parking Requirements: The building is 8,825 sf.  
This design shows 58 spaces in total with 6 of the spots being ADA accessible.  
Smile Dental will require 18 employee parking spaces and 20 patient parking spaces.  
Each lease space will require 5 employee parking spaces and 6 patient parking spaces.  
Total parking required 58 spaces

Traffic Pattern: All employees will enter and exit off of Ukiah Avenue from the rear parking area. A majority of all others entering the development will enter/exit via Main Street through the 2 entrances shown and will be also be able to enter/exit at an additional entrance/exit via Ukiah Avenue.

| Project Control |           |           |           |
|-----------------|-----------|-----------|-----------|
| Number          | Northing  | Easting   | Elevation |
| CP1             | 352114.87 | 963762.64 | 374.67    |
| CP2             | 352375.84 | 963682.82 | 380.14    |
| CP3             | 352362.51 | 963968.30 | 368.54    |
| CP4             | 352077.94 | 964022.98 | 366.76    |
| CP5             | 352036.82 | 963870.60 | 371.36    |



# Smile Dental Commercial Russellville, Arkansas Site & Dimension Plan



608 WEST "B" STREET  
RUSSELLVILLE - ARKANSAS 72801  
Off: (479)968-5005 Fax: (479)990-5564

Date: 11/05/2024

Scale: 1" = 30'

Job No: 24-013

Sheet No.

C3



File Path: \\P:\Projects\2024\24-013 Smile Dental - West Main Street\24-013 Smile Dental Civil Base 11/22/2024.dwg  
Plot Date: 11/12/2024 1:15:17 PM  
Plot Size: 24" x 36" (ANSI)  
File Path: \\P:\Projects\2024\24-013 Smile Dental - West Main Street\24-013 Smile Dental Civil Base 11/22/2024.dwg



| Project Control |           |           |           |
|-----------------|-----------|-----------|-----------|
| Number          | Northing  | Eastings  | Elevation |
| CP1             | 352114.87 | 963762.64 | 374.67    |
| CP2             | 352375.84 | 963682.82 | 380.14    |
| CP3             | 352362.51 | 963968.30 | 368.54    |
| CP4             | 352077.94 | 964022.98 | 366.76    |
| CP5             | 352036.82 | 963870.60 | 371.36    |

- NOTES:
- = Spot Elevation at Bottom of Curb when placed at a curb location.
  - All ADA accessible parking spaces are not to exceed 2% Max. slope in any direction.



Smile Dental Commercial  
Russellville, Arkansas  
Grading & Drainage Plan

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608 WEST "B" STREET  
RUSSELLVILLE, ARKANSAS 72801  
Off: (479)968-5005 Fax: (479)990-5564

Date: 11/12/2024  
Scale: 1" = 30'  
Job No: 24-013

Sheet No.  
**C4**

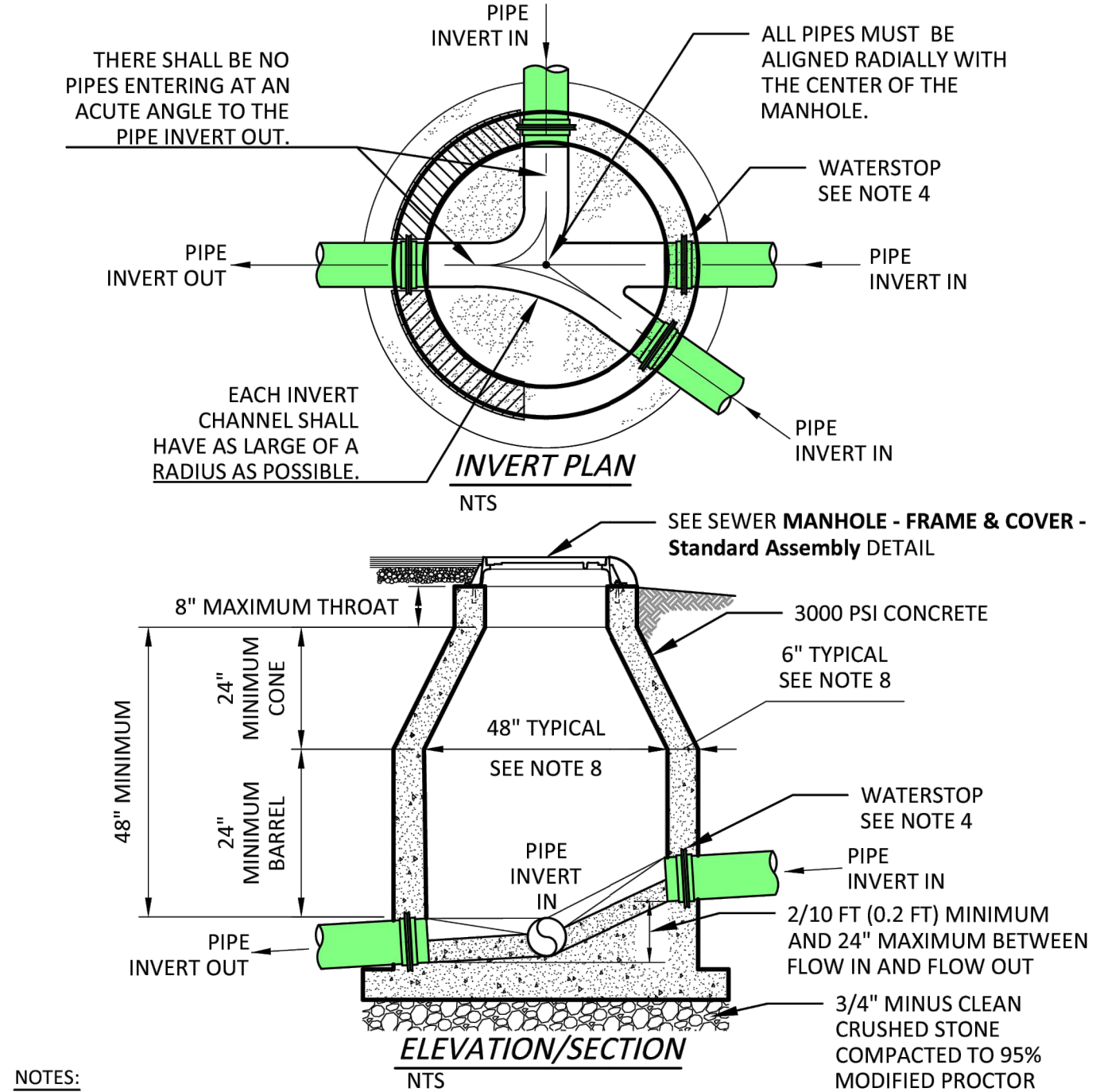
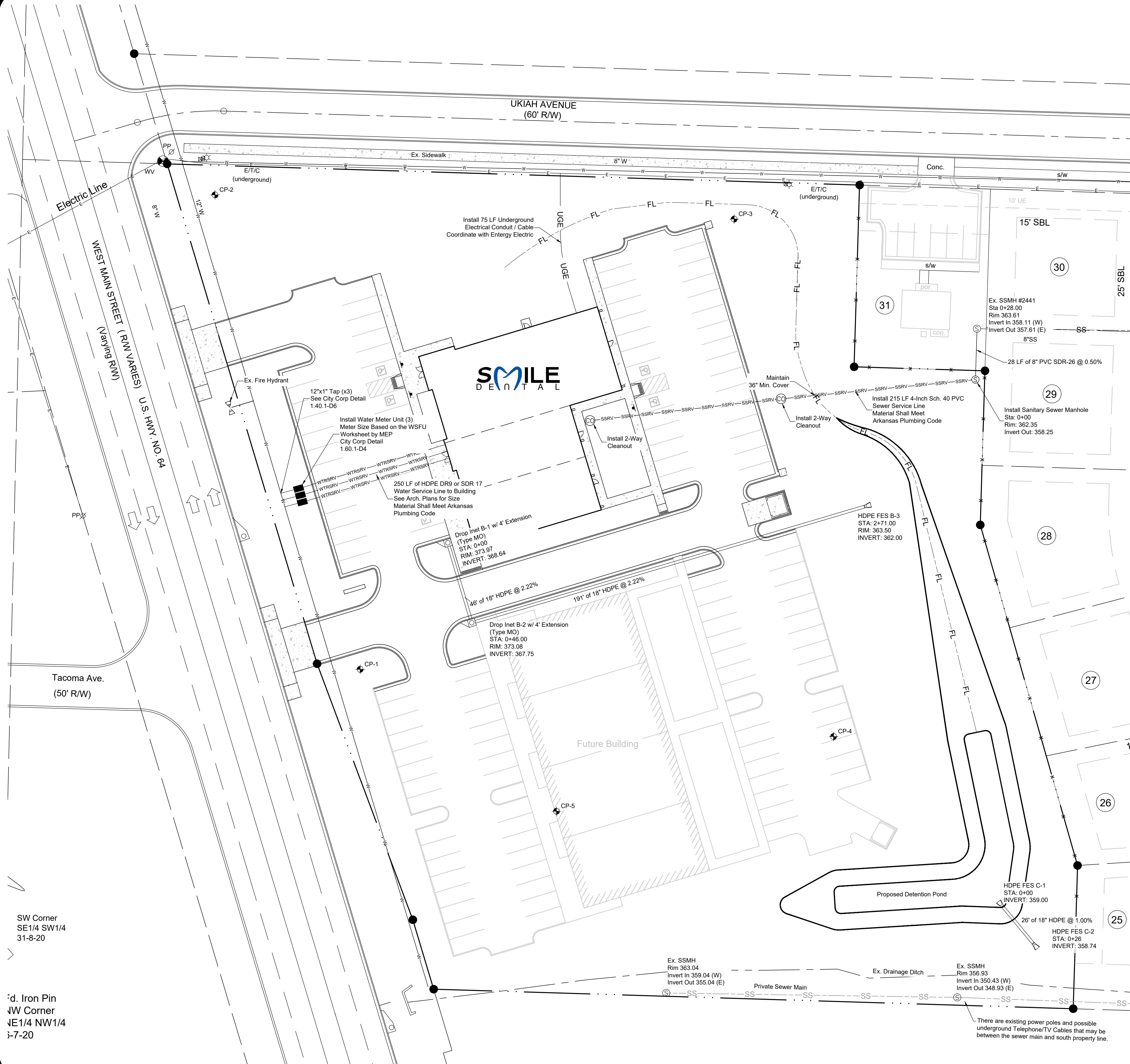


Pls. Note: This is a preliminary drawing. It is not to be used for construction. It is for informational purposes only. The owner is responsible for the accuracy of the information provided. The engineer is not responsible for the accuracy of the information provided. The engineer is not responsible for the accuracy of the information provided.

SW Corner  
SE1/4 SW1/4  
31-8-20

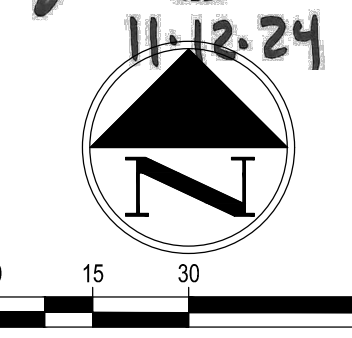
Iron Pin  
NW Corner  
JE1/4 NW1/4  
3-7-20

SCALES SHOWN ARE FOR 24x36 PLOTS



- NOTES:
1. INVERTS AND MANHOLE BOTTOM SHALL BE CAST INTEGRALLY WITH WALL SECTION.
  2. ALL MANHOLE TOPS IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND HAVE TRAFFIC-RATED RING AND LIDS.
  3. CONCRETE TO BE 3000 P.S.I.
  4. WATERSTOP SHALL BE THE "WATERSTOP" SERIES MANUFACTURED BY PRESS-SEAL GASKET CORPORATION OF FORT WAYNE, INDIANA, OR APPROVED EQUAL, AND SHALL BE INSTALLED TO THE MANUFACTURER'S RECOMMENDATIONS. NO BELL SHALL BE CAST INTO MANHOLE WALL. MINIMUM DISTANCE FROM WALL TO BELL SHALL BE 3 FT.
  5. BLOCK-OUT OR CORE DRILL OPENINGS FOR PIPE & FITTINGS.
  6. FILL OPENING BETWEEN PIPE AND MANHOLE WALL WITH NON-SHRINK GROUT (THE STRONG COMPANY INC. QSR GROUT OR APPROVED EQUAL).
  7. SEE SEWER MANHOLE - NEW CONSTRUCTION - General Requirements DETAIL FOR INSIDE BARREL DIAMETER & WALL THICKNESS.

### 2.20.1-D1 MANHOLE - NEW CONSTRUCTION Standard Depth



Smile Dental Commercial  
Russellville, Arkansas  
Utility Plan

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Off: (479)968-5005 Fax: (479)990-5564

Date: 11/12/2024

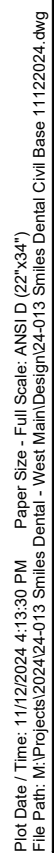
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Job No: 24-013

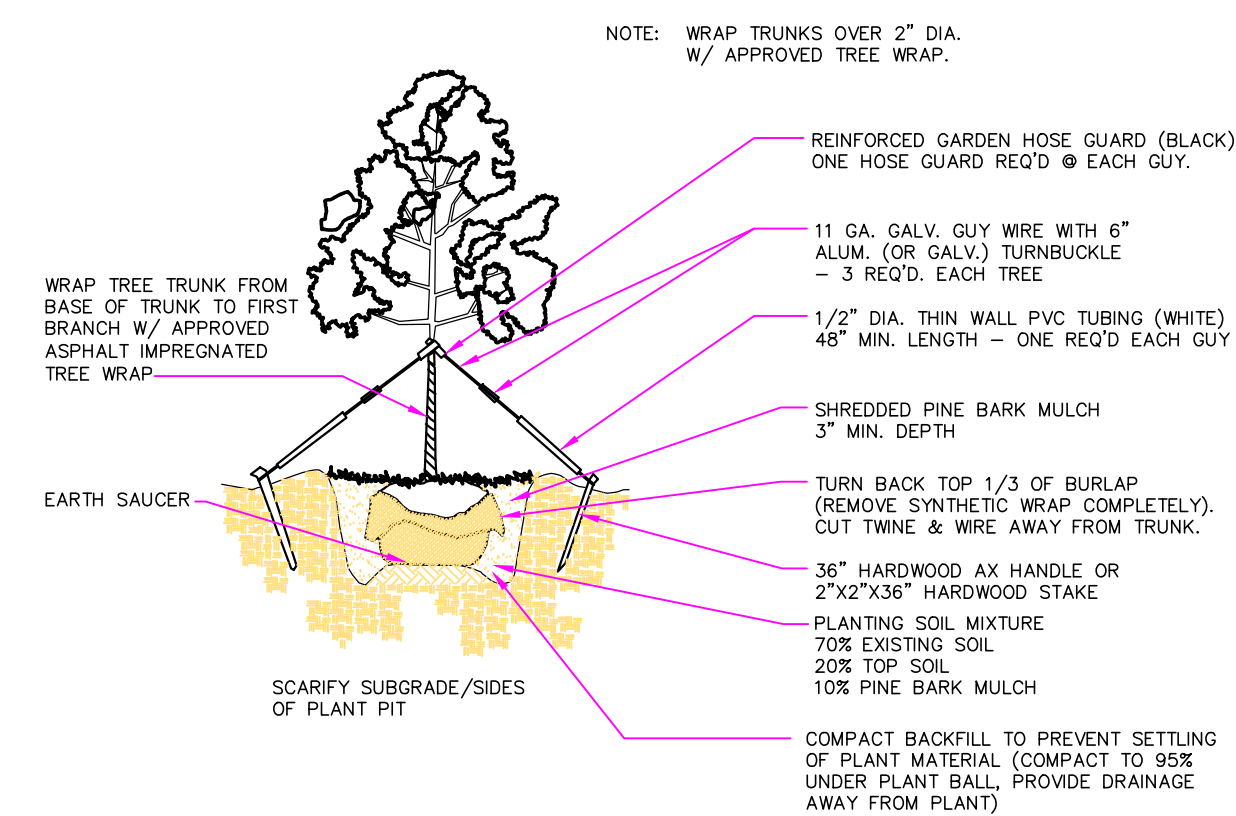
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C5

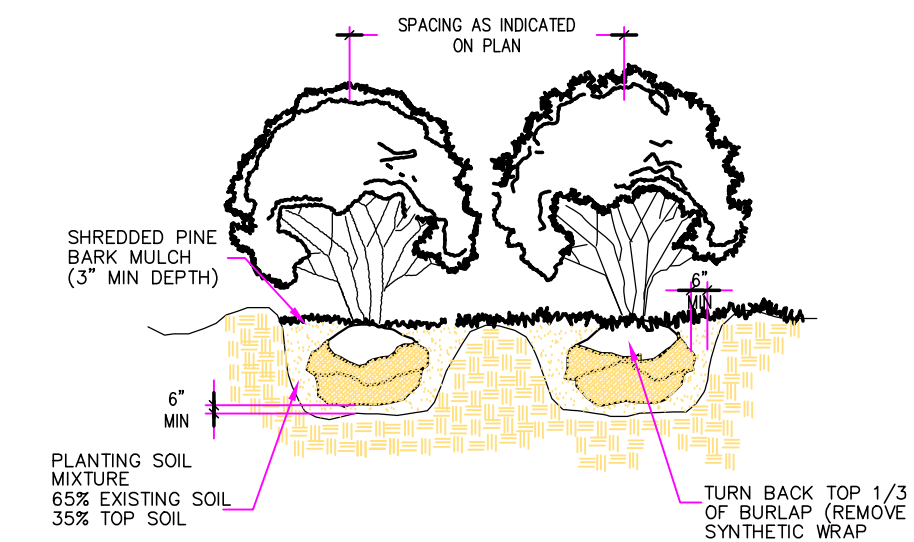




SCALES SHOWN ARE FOR 24x36 PLOTS



### TYPICAL DECIDUOUS TREE PLANTING DETAIL



### TYPICAL SHRUB PLANTING DETAIL

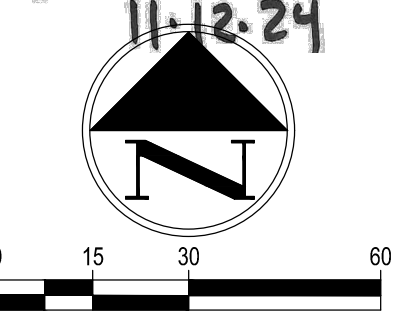
| PROPOSED LANDSCAPING |     |                     |                                  |              |             |                                       |
|----------------------|-----|---------------------|----------------------------------|--------------|-------------|---------------------------------------|
| MARK                 | NO. | COMMON NAME         | SCIENTIFIC NAME                  | SIZE         | CONDITION   | REMARKS                               |
| A                    | 10  | SOUTHERN RED OAK    | QUERCUS FALCATA                  | 2" CALIPER   | B&B / CONT. | HGT. 15 - 50 FT.<br>SPREAD 25 - 30 FT |
| B                    | 70  | DWARF YAUPOIN HOLLY | ILEX VOMITORIA (DWARF CALTIVARS) | 2' - 4' TALL | B&B / CONT. |                                       |
| C                    | 36  | CRAPE MYRTLE        | LAGERSTROEMIA INDICA             | 4' TALL      | B&B/ CONT.  | MULTIPLE TRUNKS                       |

NOTES:

PLANT SCHEDULE IS PROVIDED TO THE CONTRACTOR FOR CONVENIENCE. THE ACTUAL NUMBER OF PLANTS REQUIRED WILL BE DICTATED BY THE PLAN, NOT THE SCHEDULE. CONTRACTOR SHALL VERIFY THAT NUMBERS IN THE PLAN SCHEDULE ARE CORRECT.

- TREE CALIPER IS MEASURED FROM 4'-0" ABOVE EXISTING GRADE

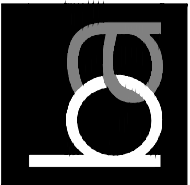
- TREE CALIPER IS MEASURED FROM 4'-0" ABOVE EXISTING GRADE



# Smile Dental Commercial

# Russellville, Arkansas

# Landscape Plan



TANDASSOC.COM

STREET

, ARKANSAS 72801

Off- (479)968-5005 Fax- (479)890-5564

Off- (479)968-5005 Fax- (479)890-5564

Off- (479)968-5005 Fax- (479)890-5564

Date: 11/12/2024

Scale: 1" = 30'

Job No: 24-013

Sheet No.

# C6





NUMBER OF SAND BAGS AND ARRANGEMENT VARIABLE WITH ON-SITE CONDITIONS.

WATER LEVEL

DITCH CHECK

FLOW LINE OF DITCH

PLACE SAND BAGS AT BASE OF DITCH CHECK IN AREA OF OVERFLOW

SAND BAGS 6" MIN.

SECTION A-A

VARIABLE 18" TO 24" NORMAL

SECTION B-B

SAND BAGS 6" MIN.

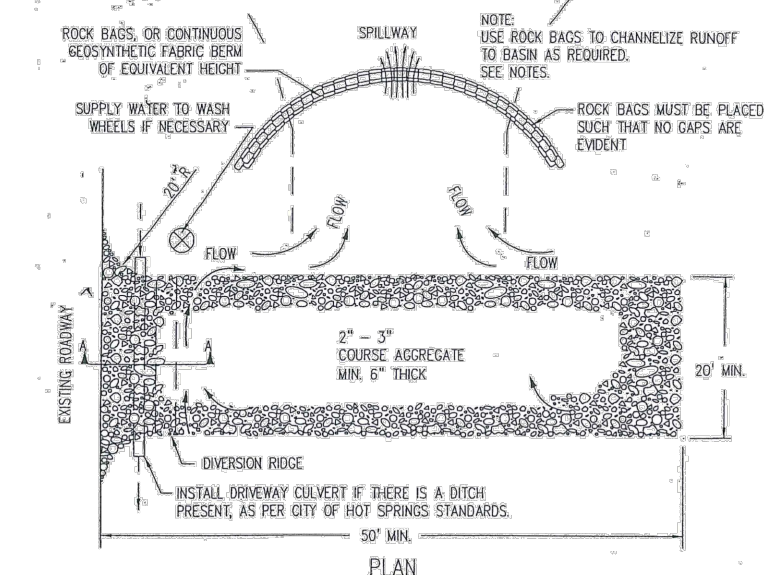
DIVERSION RIDGE REQUIRED WHERE GRADE EXCEEDS 2%

2% OR GREATER

ROADWAY

FILTER FABRIC

SECTION A -- A



NOTE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOODING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

GEOTEXTILE FABRIC  
TYPE 41 IN ACCORDANCE  
WITH SECTION 625

6' MAX.

POST EMBEDDED 2' MIN.

36"

GROUND LINE

6' MIN. BURIED  
END OF FABRIC

2'

6'

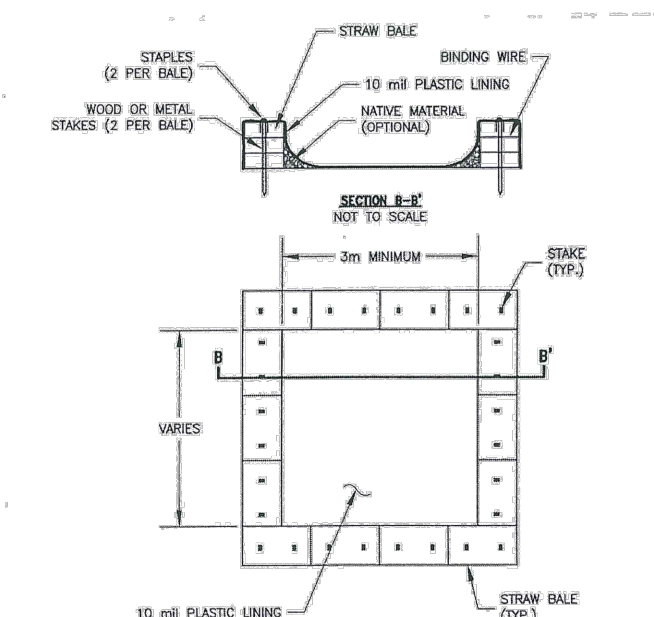
COMPACTED EARTH  
BACKFILL

RUNOFF

SILT FENCE (E-11)

GENERAL NOTES

GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.



NOTES

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN (SEE FIG. 1) SHALL BE INSTALLED WITHIN 10 m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

## CONCRETE WASHOUT

**EROSION CONTROL GENERAL NOTES:**

1. THE QUANTITIES AND LOCATIONS OF EROSION CONTROL DEVICES SHOWN IN THE PLANS ARE ESTIMATED AND MAY BE ALTERED IF AND WHERE DIRECTED BY THE ENGINEER TO MAXIMIZE THEIR EFFECTIVENESS. THE DEVICES ARE TO BE INSTALLED IN AN AREA ONLY WHEN THE SOIL DISTURBING ACTIVITY IN THAT AREA BEGINS.
2. ROCK DITCH CHECKS SHALL BE INSTALLED IN LOW POINTS OF FLOW. SEDIMENT COLLECTOR AREAS SHALL HAVE RDC'S INSTALLED TO REINFORCE FENCE STRUCTURE.
3. ALL SEDIMENT COLLECTOR AREAS, J-HOOKS, ETC. SHALL CLEANED WHEN HALF CAPACITY IS MET.
4. THE CONTRACTOR SHALL CONTROL AND PREVENT OFF-SITE TRACKING OF CONSTRUCTION MATERIAL OR SEDIMENT TO ADJACENT PROPERTY OWNERS OR PUBLIC RIGHTS-OF-WAYS.



Smile Dental Commercial  
Russellville, Arkansas  
Erosion Control Plans



608 WEST "B" STREET  
RUSSELLVILLE, ARKANSAS 72801  
Off- (479)968-5005 Fax- (479)890-5564

Date: 11/12/2024

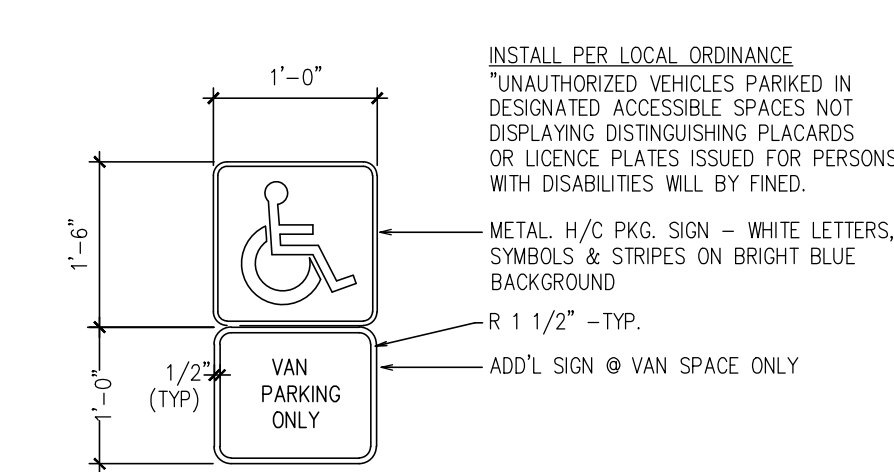
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Job No: 24-013

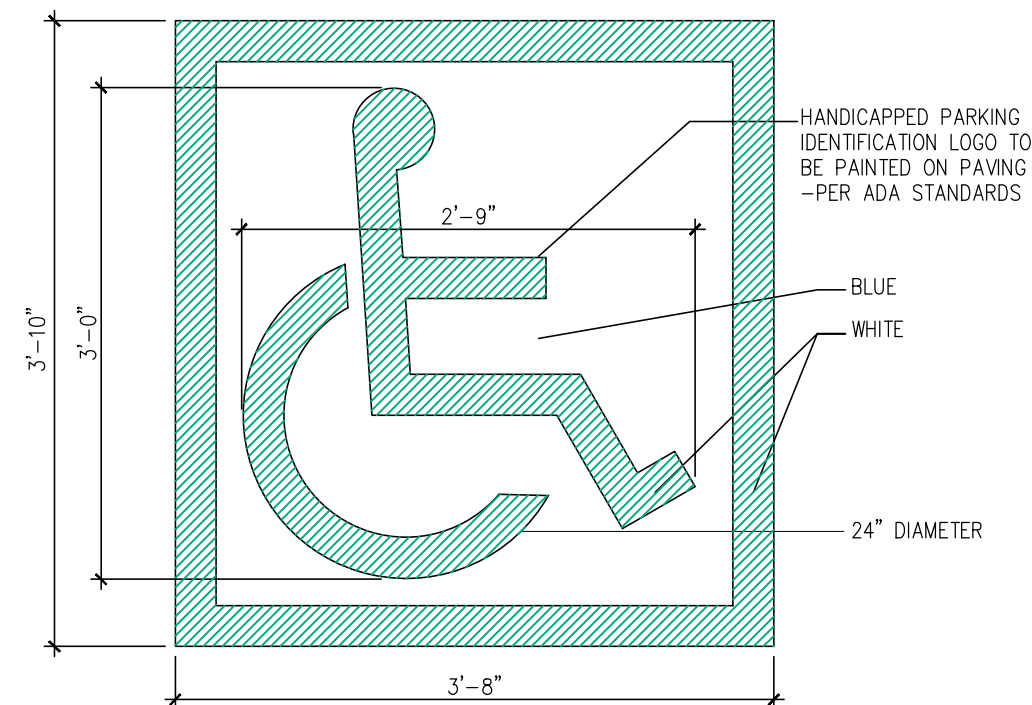
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# C7

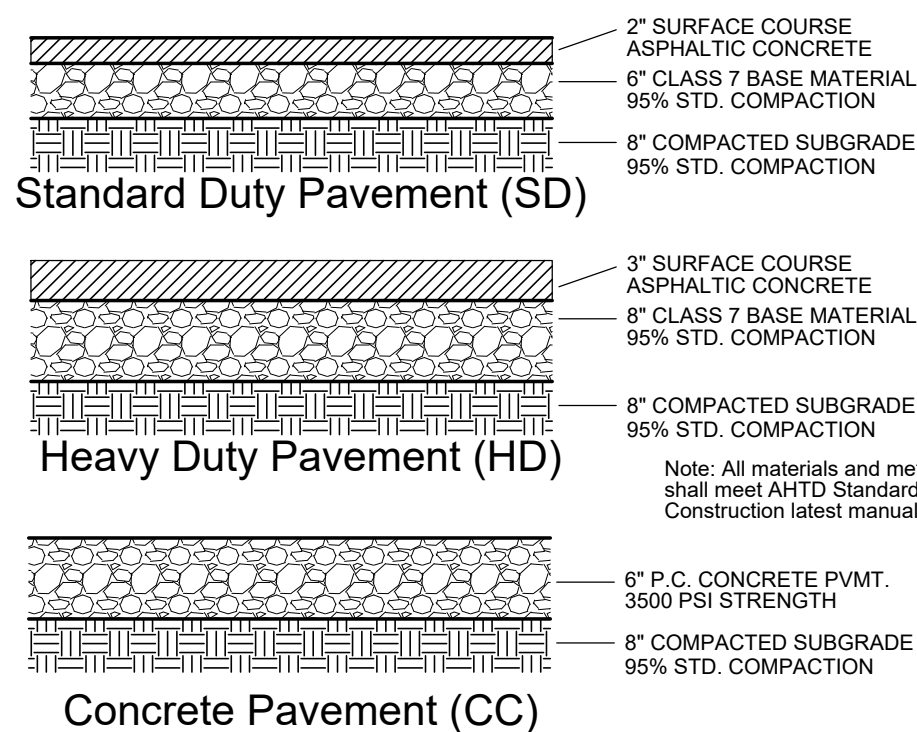




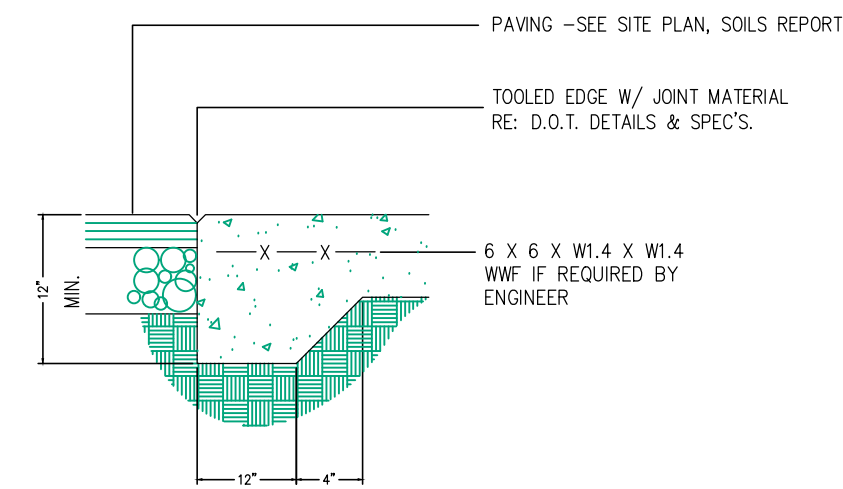
HC SIGN DETAIL - WALL MOUNTED  
SCALE: NTS



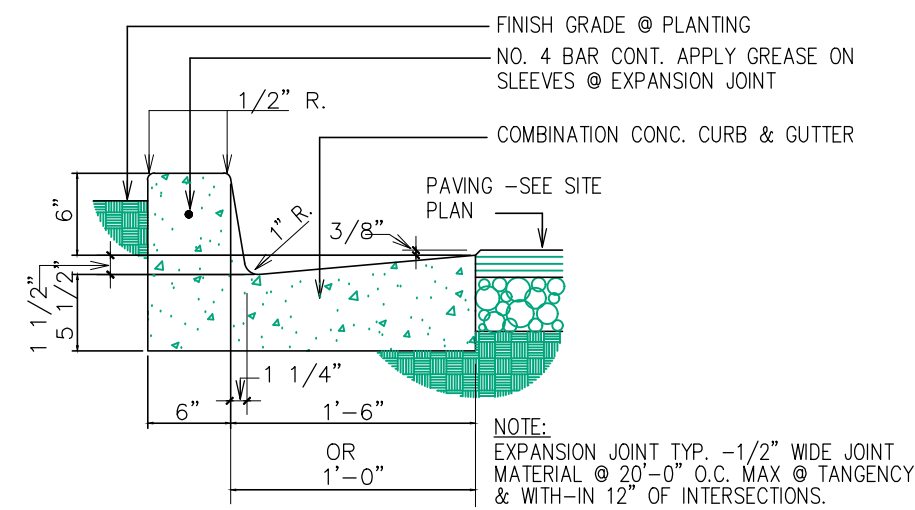
HC SYMBOL DETAIL  
SCALE: NTS



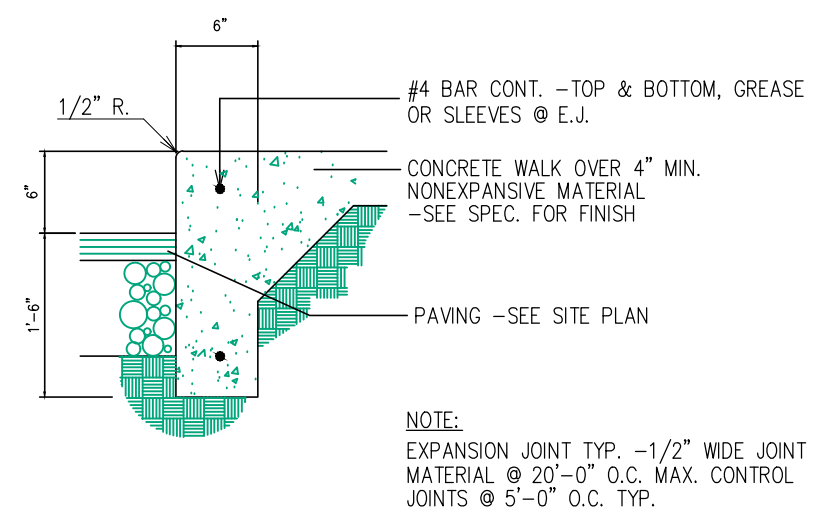
PARKING LOT PAVEMENT DETAIL



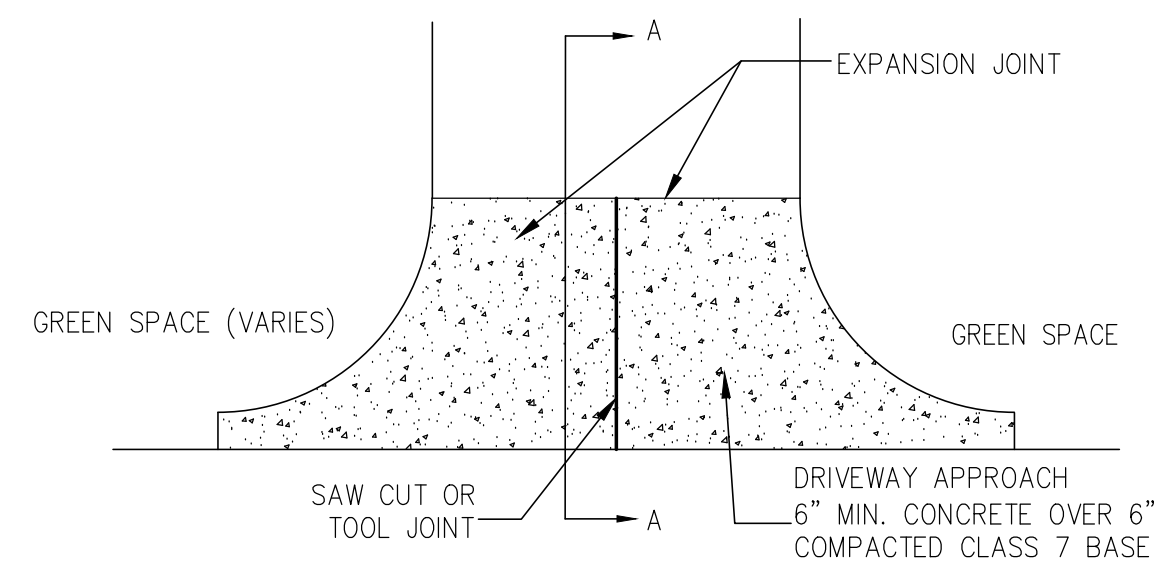
CONC. APRON DETAIL  
SCALE:



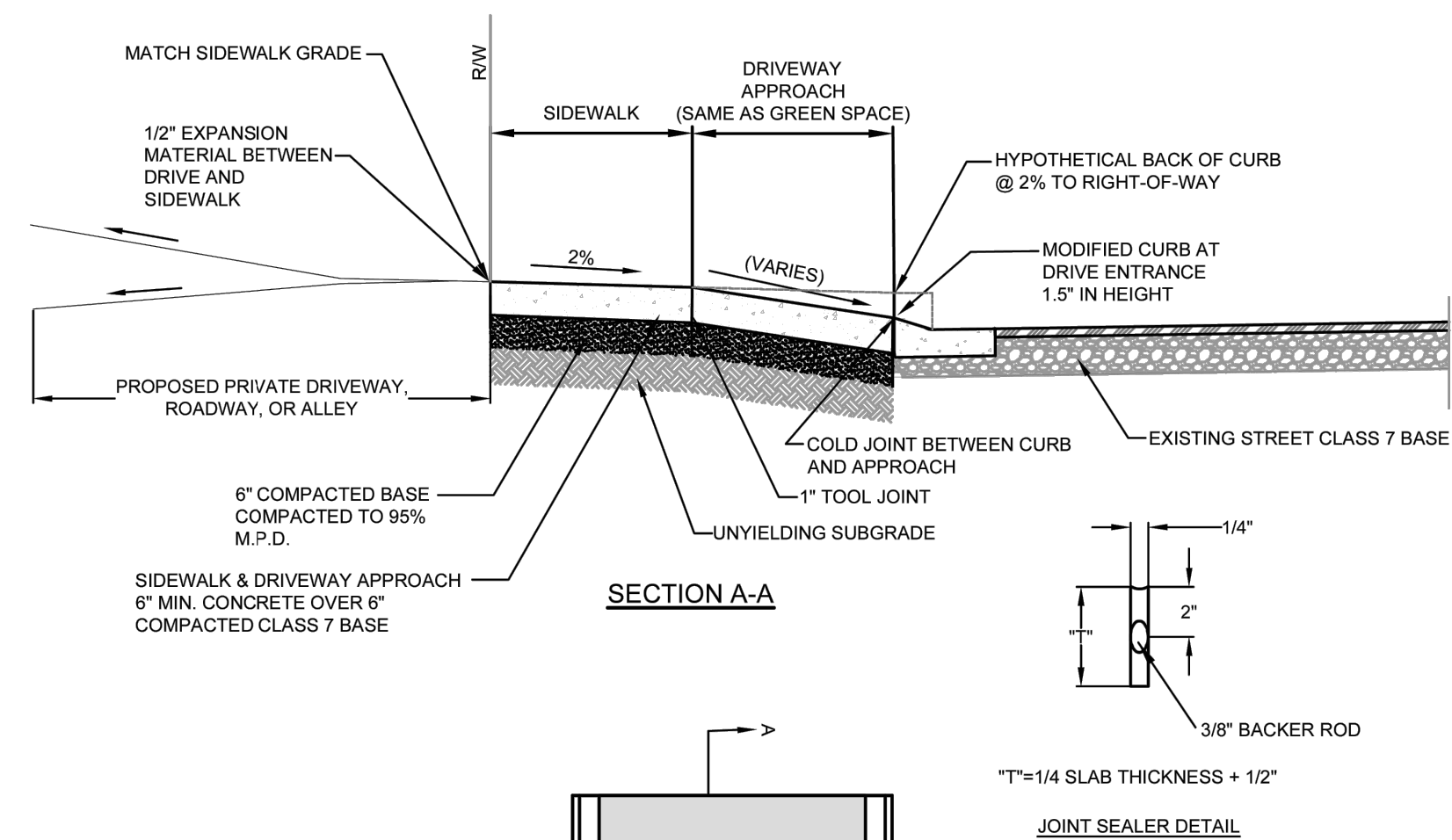
CONC. CURB & GUTTER DETAIL  
SCALE: NTS



CONC. WALK & CURB DETAIL  
SCALE: NTS

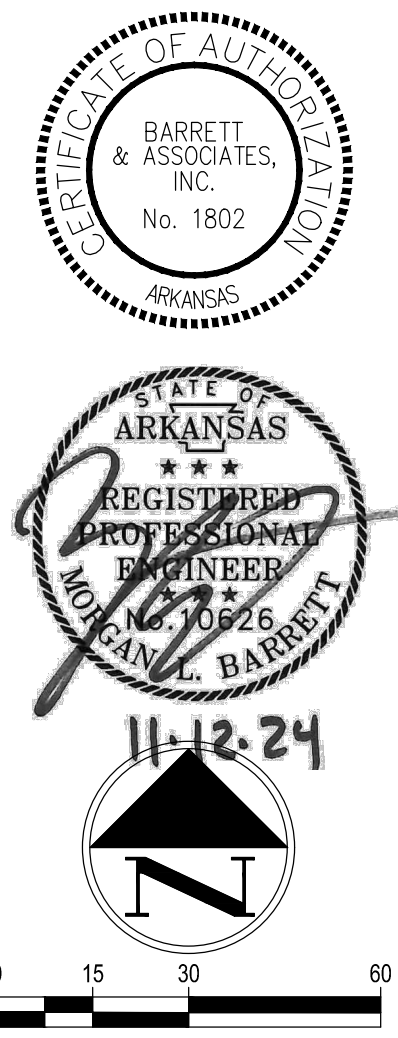


Section A-A  
COMMERCIAL DRIVEWAY DETAIL  
SCALE: NTS



- NOTES:
1. FULL DEPTH EXPANSION JOINTS (FOUR INCHES) SHALL BE PROVIDED AT THE EDGE OF THE SIDEWALK OPPOSITE THE STREET.
  2. CONCRETE TO BE SAWCUT OR PLACE A TOOL JOINT AT THE CENTER OF DRIVE AND SEALED. IF POSSIBLE CONTRACTOR SHALL TRY TO ALIGN THE JOINT AT THE CENTER OF THE DRIVE WITH THE A JOINT IN THE ADJACENT SIDEWALK.
  3. ALL CONCRETE DRIVEWAYS AND SIDEWALKS SHALL BE CONSTRUCTED OF A PORTLAND CEMENT CONCRETE MIXTURE WHICH WILL PRODUCE A CONCRETE OF A COMPRESSIVE STRENGTH OF 3500 P.S.I. AFTER 28 DAYS SET UNDER STANDARD LABORATORY METHODS.
  4. ALL SIDEWALKS REQUIRE A CONCRETE CURING COMPOUND.
  5. ALL SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH A BROOM FINISH.
  6. \*ALL SIDEWALKS AND CURB CUTS FOR DRIVEWAY APPROACHES REQUIRE AN INSPECTION PRIOR TO CONCRETE PLACEMENT.\*

SIDEWALK THRU DRIVE DETAIL  
SCALE:



Smile Dental Commercial  
Russellville, Arkansas  
Detail Sheet

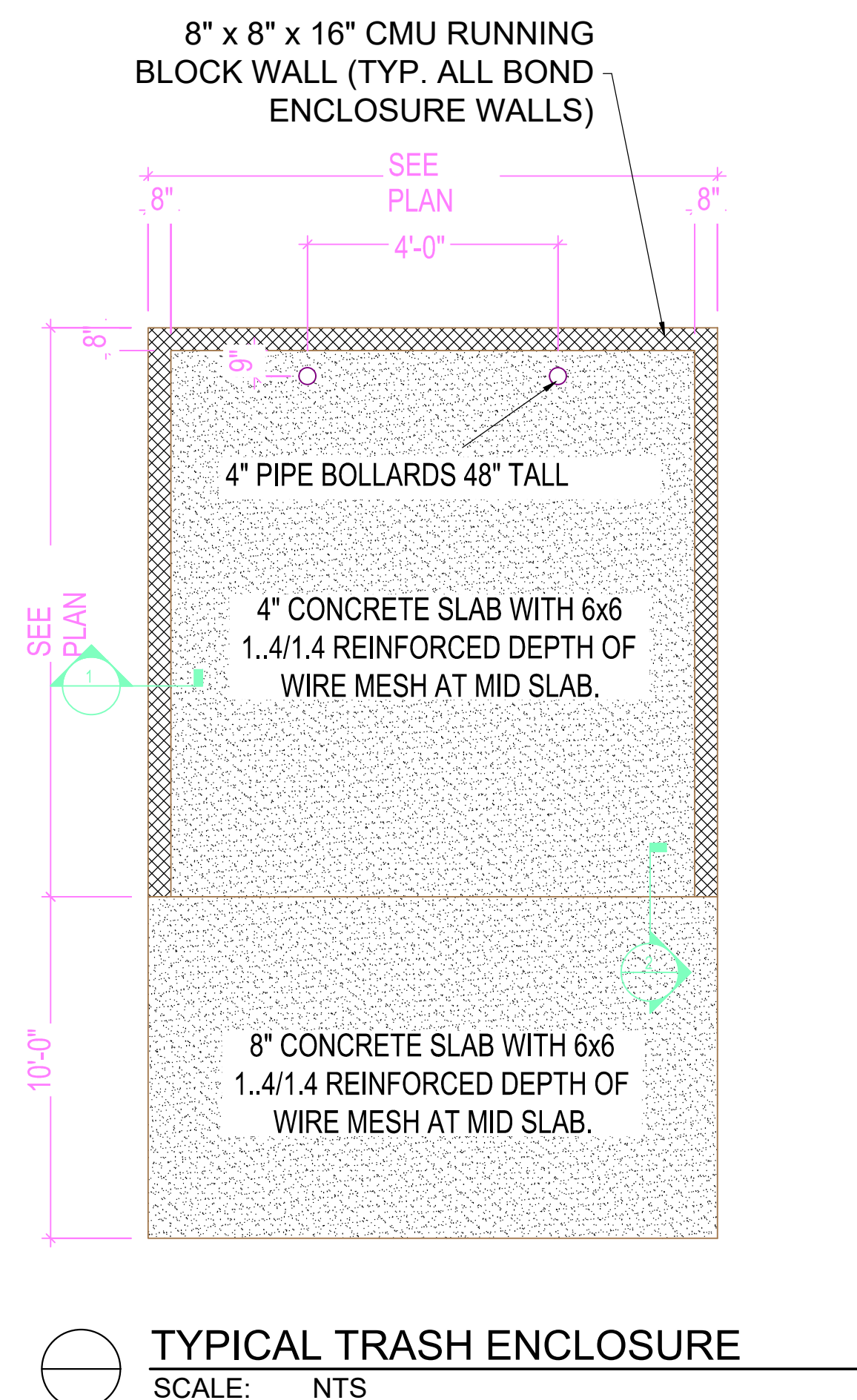


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Job No: 24-013

Sheet No.  
C8



Plt Date: 11/12/2024 11:15 AM ET  
Plt User: J. Barrett  
Plt Path: \\P:\Projects\2024\24-013 Smile Dental - West Main Building\24-013 Smile Dental Civil Base\11222224.dwg



2x2x3/16" RECTANGULAR STEEL TUBE FRAMING WITH DIAGONAL BRACING

CONCRETE PAD, SEE PLOT PLAN

CANE BOLT (SEE DETAIL BELOW)

GALVANIZED SLEEVES (EMBEDDED IN CONCRETE)

**GATE AND POST DETAIL**  
FOR QUANTITIES OF GATES AND POSTS SEE PLOT PLAN

PARKING LOT SIDE

8" DIA SCH 40 POST FILLED WITH CONCRETE

ROTATING STEEL COLLAR, SEE DETAIL BELOW

STATIONARY STEEL COLLAR BOLTED TO POST

1"x6" VINYL BOARDS (BRONZE TO MATCH WINDOW FRAMES)

STATIONARY STEEL COLLAR WELDED TO POST

STREET SIDE

WELD COLLARS TO GATE FRAMES

ROTATING STEEL COLLAR TO FIT AROUND 8" DIAMETER POST (FILL CAVITY WITH HEAVY DUTY GREASE)

1/4" STEEL PLATE

FASTEN TO GATE AT (6) PLACES

HYDRAULIC MALE GREASE FITTING, DRILL AND TAP HOLES

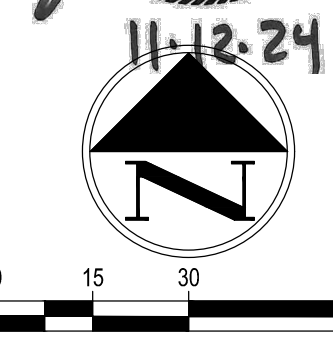
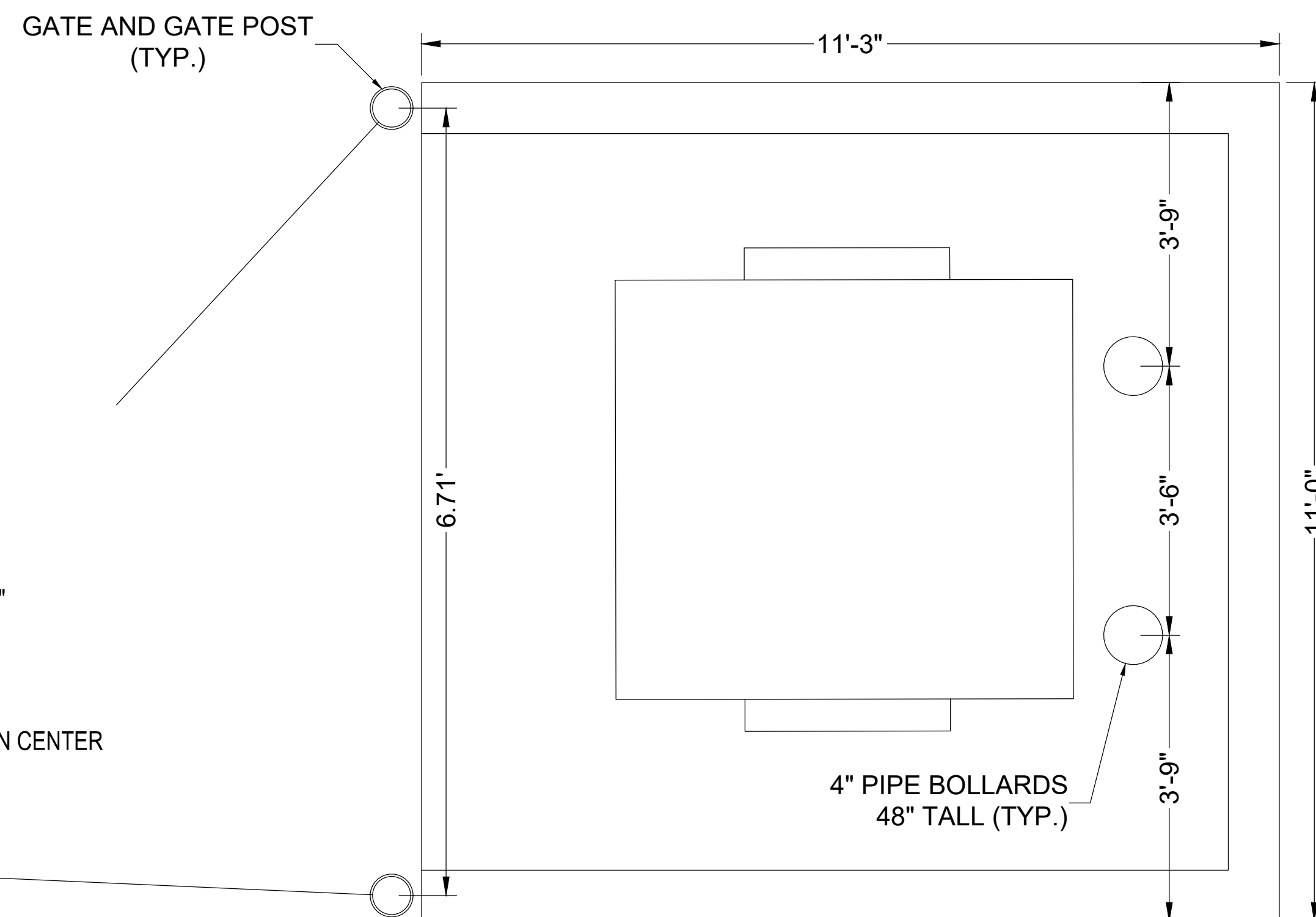
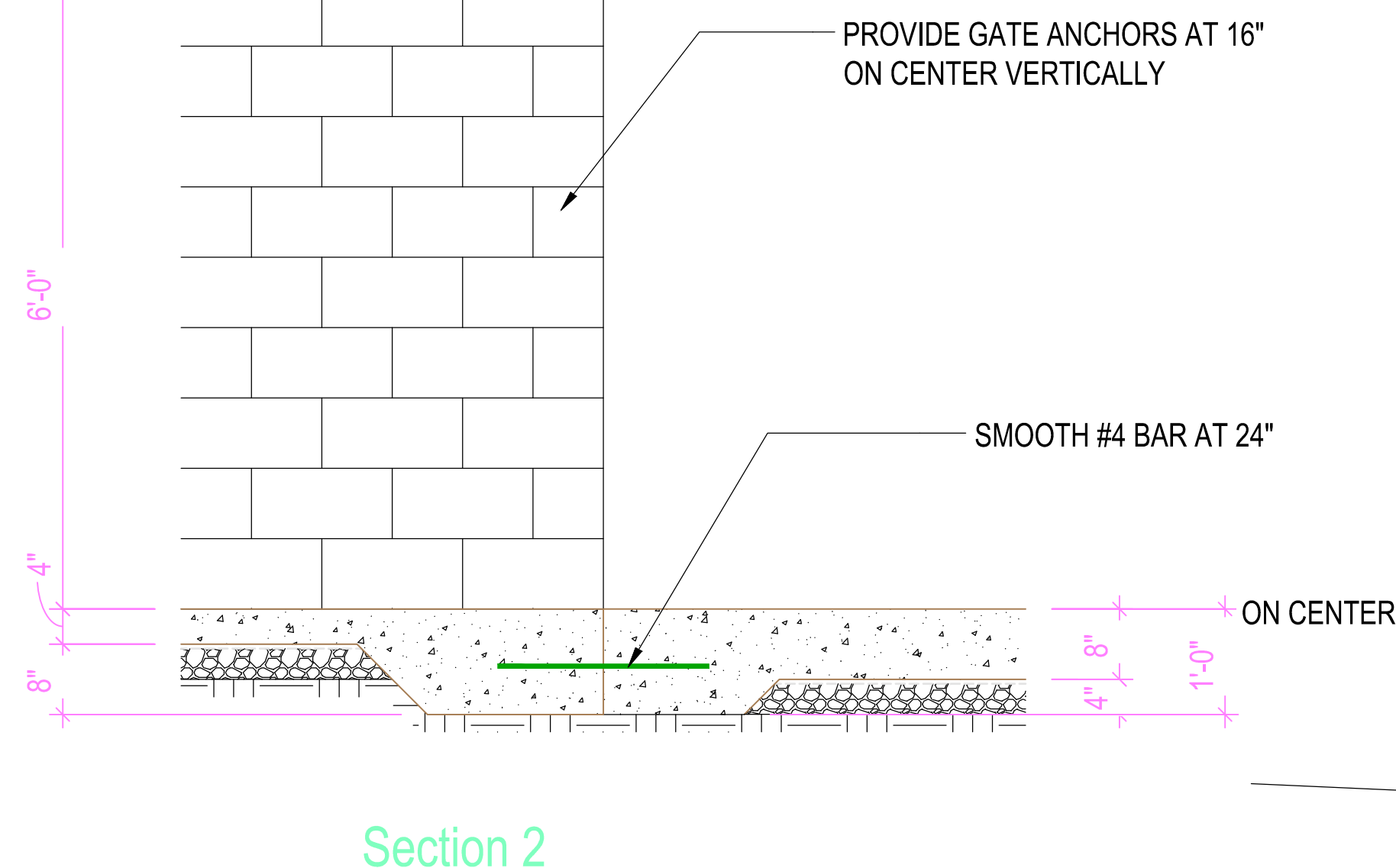
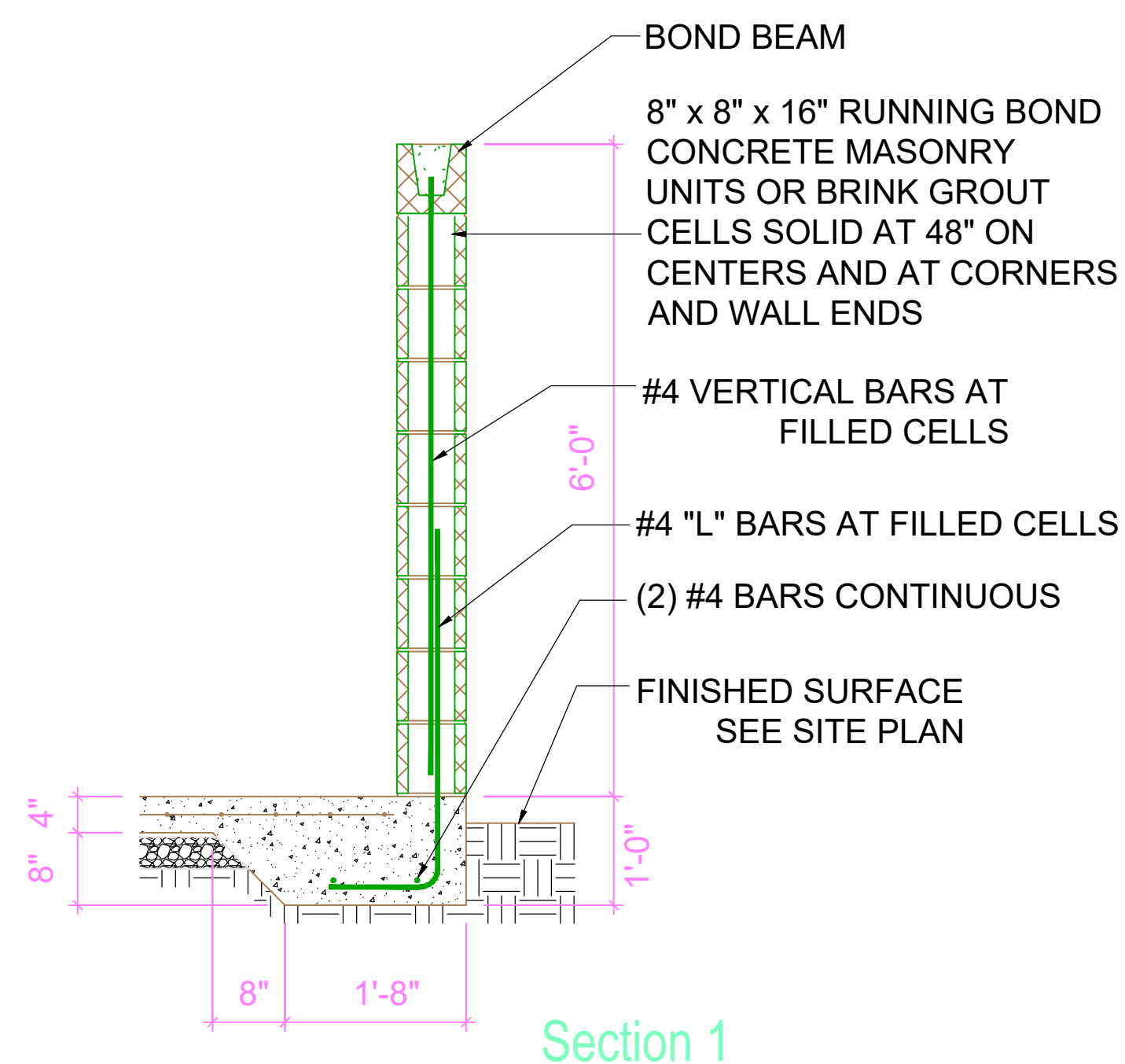
SCREW FASTEN BOARDS TO GATE FRAME MEMBERS, INCLUDING DIAGONAL BRACES

**HINGE/COLLAR DETAIL**  
SCALE: NOT TO SCALE

1" NIPPLE WELDED TO PLATE COLLARS

3/4" DIA STEEL ROD WITH 4" LEG

**CANE BOLT DETAIL**  
**DUMPSTER GATE DETAILS**  
SCALE: NOT TO SCALE



**Smile Dental Commercial**  
**Russellville, Arkansas**  
**Detail Sheet**



Date: 11/12/2024  
Scale: N/A  
Job No: 24-013

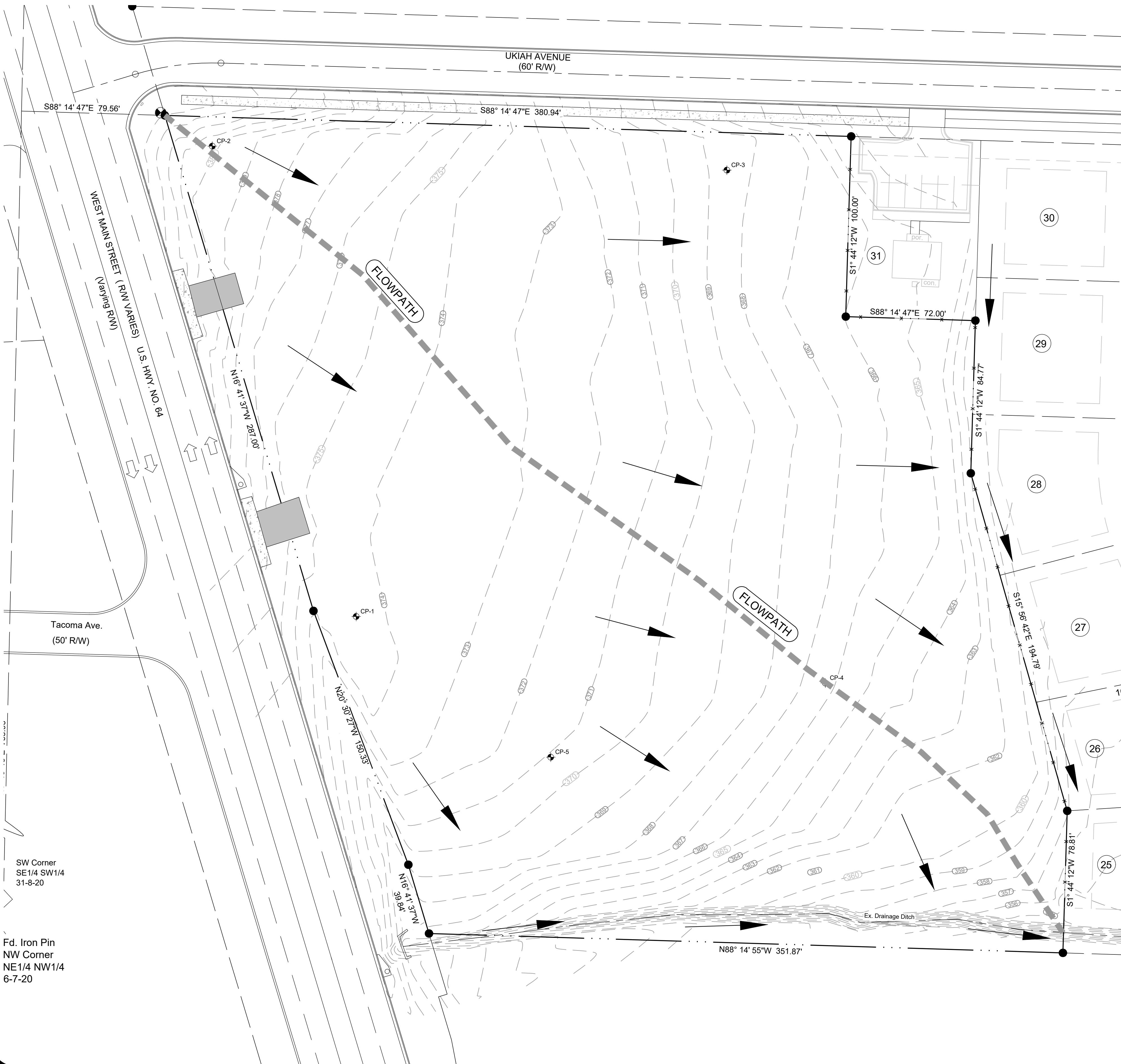
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**C9**



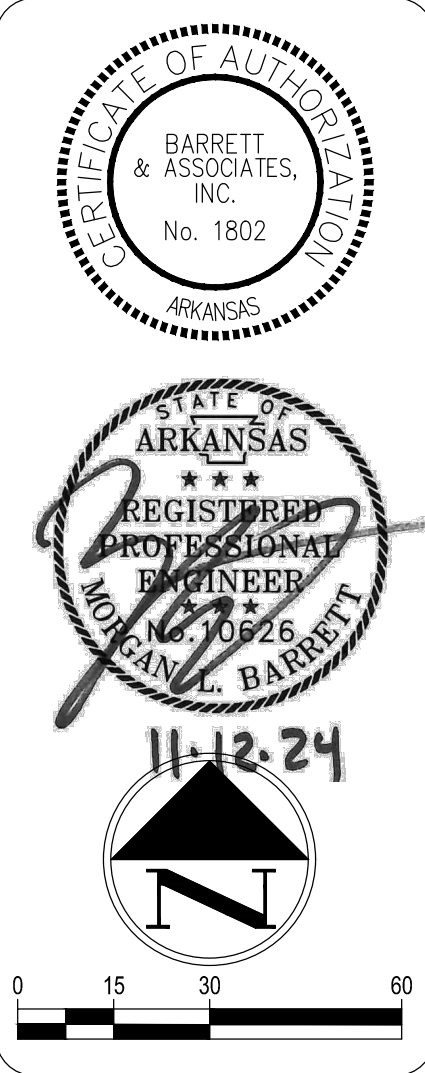
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SW Corner  
SE1/4 SW1/4  
31-8-20

Fd. Iron Pin  
NW Corner  
NE1/4 NW1/4  
6-7-20



| Site Surface Characteristics            |           |            |               |                            |              |
|-----------------------------------------|-----------|------------|---------------|----------------------------|--------------|
| Pre-Developed Basin                     |           |            |               |                            |              |
| Surface Type                            | Curve No. | Area (Ac.) | Area (Sq. Ft) | Percentage (To Total Area) |              |
| Grass                                   | 79        | 3.94       | 171626.40     | 100.00%                    |              |
| Total                                   |           | 3.94       | 171626.40     |                            |              |
|                                         |           |            |               |                            |              |
| Site Surface Characteristics            |           |            |               |                            |              |
| Post-Developed Basin 1                  |           |            |               |                            |              |
| Surface Type                            | Curve No. | Area (Ac.) | Area (Sq. Ft) | Percentage (To Total Area) |              |
| Grass                                   | 79        | 1.70       | 74130.00      | 43.19%                     |              |
| Impervious                              | 98        | 2.24       | 97518.00      | 56.81%                     |              |
| Total                                   |           | 3.94       | 171648.00     |                            |              |
|                                         |           |            |               |                            |              |
| Basin Characteristics (Hydraflows Data) |           |            |               |                            |              |
| Basins                                  | Area (Ac) | Curve No.  | 10 yr (cfs)   | 25 yr (cfs)                | 100 yr (cfs) |
| Pre Developed                           | 3.94      | 79         | 9.065         | 14.540                     | 22.610       |
| Post Developed                          | 3.94      | 84         | 10.950        | 16.180                     | 23.640       |
| Pond Release                            |           |            | 7.687         | 13.690                     | 22.240       |
| Pre vs. Post Release                    |           |            | -1.38         | -0.85                      | -0.37        |



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Russellville, Arkansas  
Pre-Developed Basins

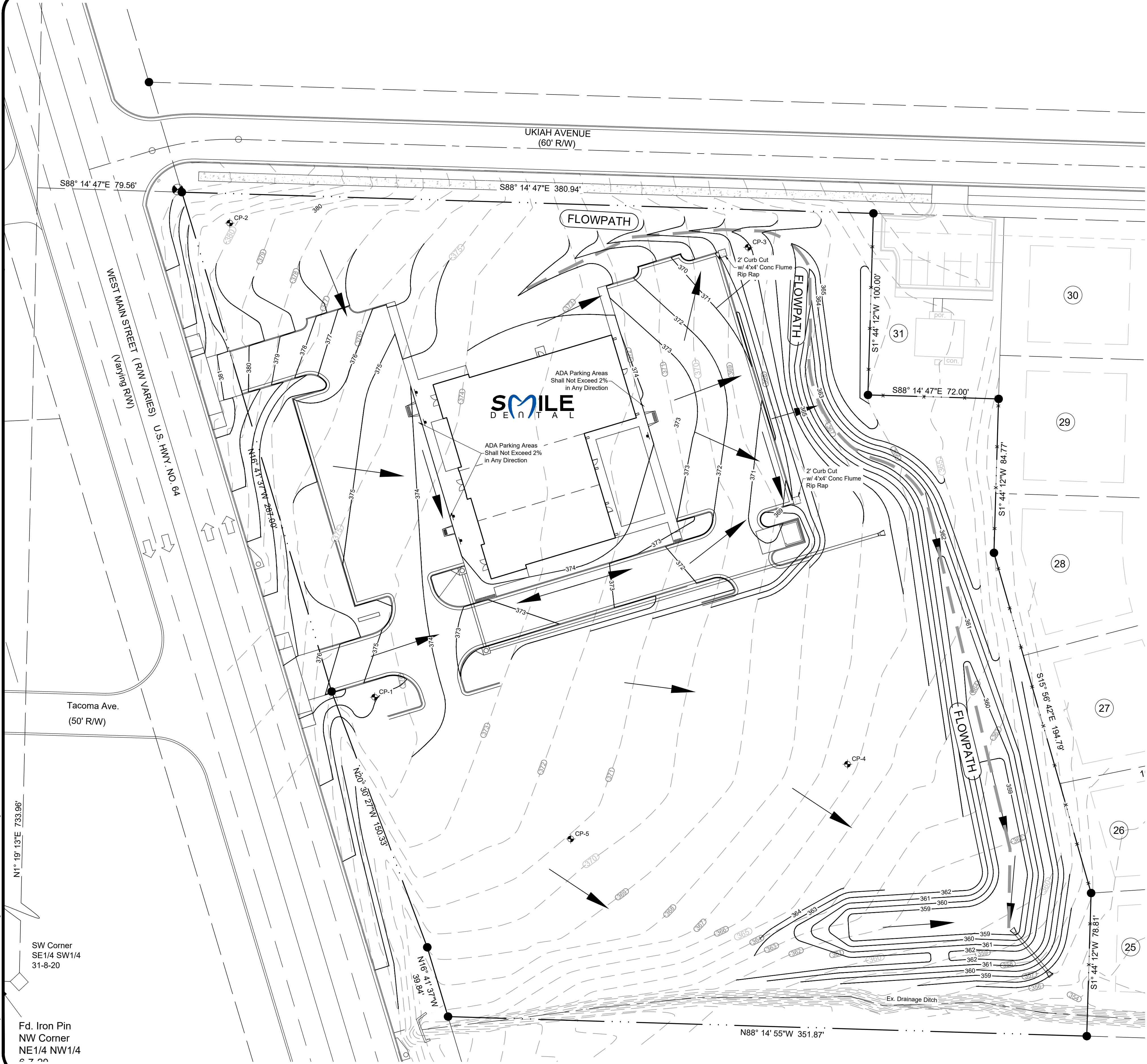


Date: 11/12/2024  
Scale: 1" = 30'  
Job No: 24-013

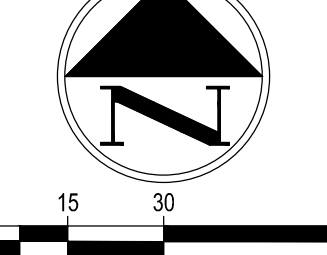
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| Site Surface Characteristics            |           |            |               |                            |              |
|-----------------------------------------|-----------|------------|---------------|----------------------------|--------------|
| Pre-Developed Basin                     |           |            |               |                            |              |
| Surface Type                            | Curve No. | Area (Ac.) | Area (Sq. Ft) | Percentage (To Total Area) |              |
| Grass                                   | 79        | 3.94       | 171626.40     | 100.00%                    |              |
| Total                                   |           | 3.94       | 171626.40     |                            |              |
|                                         |           |            |               |                            |              |
|                                         |           |            |               |                            |              |
| Site Surface Characteristics            |           |            |               |                            |              |
| Post-Developed Basin 1                  |           |            |               |                            |              |
| Surface Type                            | Curve No. | Area (Ac.) | Area (Sq. Ft) | Percentage (To Total Area) |              |
| Grass                                   | 79        | 1.70       | 74130.00      | 43.19%                     |              |
| Impervious                              | 98        | 2.24       | 97518.00      | 56.81%                     |              |
| Total                                   |           | 3.94       | 171648.00     |                            |              |
|                                         |           |            |               |                            |              |
|                                         |           |            |               |                            |              |
| Basin Characteristics (Hydraflows Data) |           |            |               |                            |              |
| Basins                                  | Area (Ac) | Curve No.  | 10 yr (cfs)   | 25 yr (cfs)                | 100 yr (cfs) |
| Pre Developed                           | 3.94      | 79         | 9.065         | 14.540                     | 22.610       |
| Post Developed                          | 3.94      | 84         | 10.950        | 16.180                     | 23.640       |
| Pond Release                            |           |            | 7.687         | 13.690                     | 22.240       |
| Pre vs. Post Release                    |           |            | -1.38         | -0.85                      | -0.37        |



Smile Dental Commercial  
Russellville, Arkansas  
Post-Developed Basins

BARRETT & ASSOCIATES  
PROFESSIONAL ENGINEERS  
LAND SURVEYORS  
GEOTECHNICAL SERVICES



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Scale: 1" = 30'

Job No: 24-013

Sheet No.

D2