

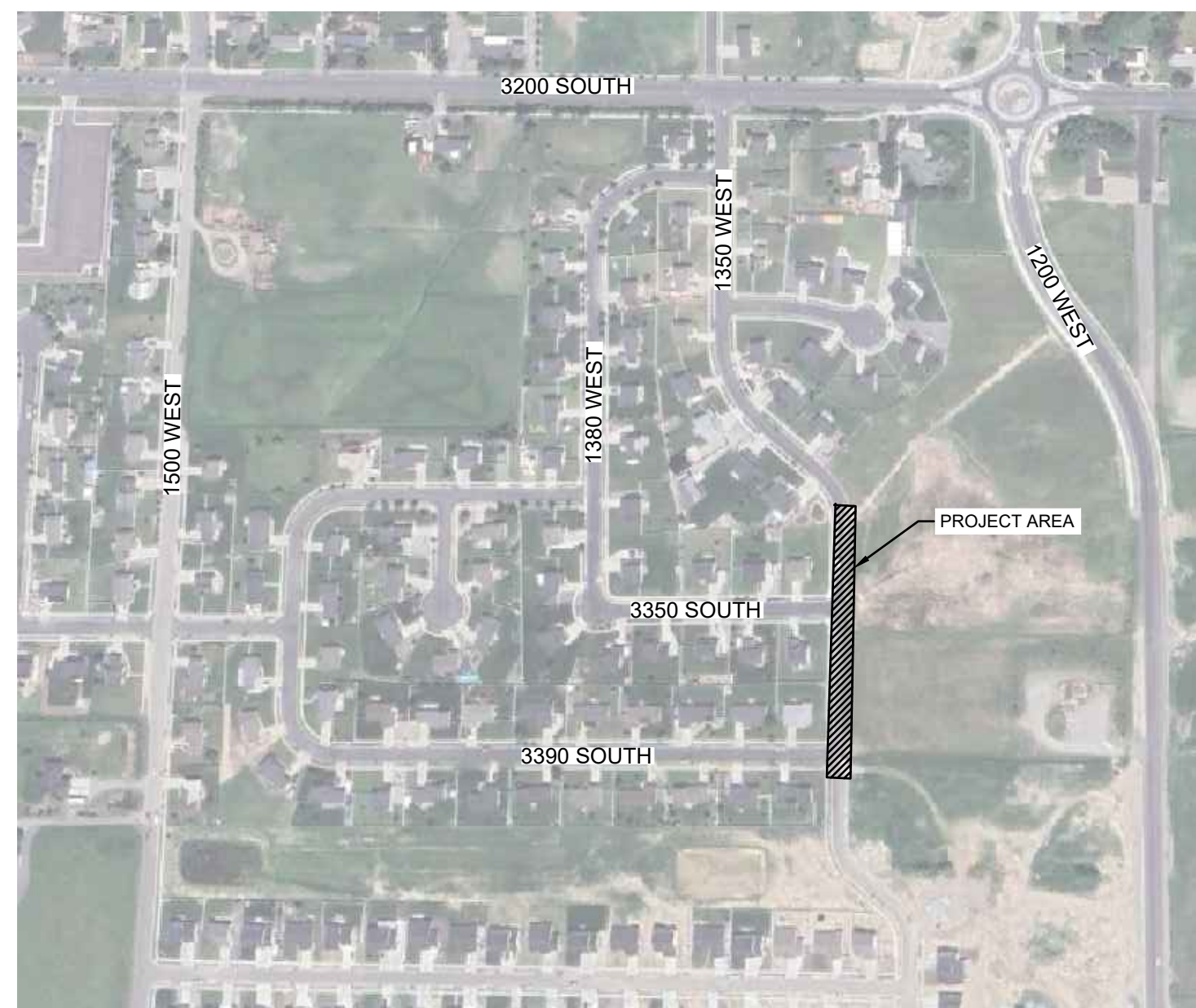
# 1300 WEST HALF ROAD CONSTRUCTION DRAWINGS

2/4/2025

civilsolutionsgroup inc.

CACHE VALLEY | P: 435.213.3762  
SALT LAKE | P: 801.216.3192  
UTAH VALLEY | P: 801.874.1432  
info@civilsolutionsgroup.net  
www.civilsolutionsgroup.net

VICINITY MAP  
NTS



GENERAL NOTES:

1. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A NOTICE TO PROCEED HAS BEEN ISSUED.
2. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE CITY OF NIBLEY DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A SURVEY CREW MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR VERTICAL CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, A SURVEY CREW SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE VERTICAL CONTROLLING MONUMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
4. CONTRACTOR SHALL CONTACT "BLUE STAKES" PRIOR TO START OF CONSTRUCTION ACTIVITIES BY CALLING 811 OR SUBMITTING AN ONLINE UTILITY LOCATION REQUEST AT WWW.BLUESTAKES.ORG.
5. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT GRADING AND/OR CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE STATE OF UTAH AND NIBLEY CITY.
6. "PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMIT- ISSUING AUTHORITY.
7. ALL EXISTING AND/OR PROPOSED PUBLIC UTILITY SYSTEM AND SERVICE FACILITIES SHALL BE INSTALLED UNDERGROUND IN ACCORDANCE WITH THE NIBLEY CITY STANDARDS AND SPECIFICATIONS.
8. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE CITY OF NIBLEY.
9. DEVIATIONS FROM THESE SIGNED PLANS WILL NOT BE ALLOWED UNLESS A CONSTRUCTION CHANGE IS APPROVED BY THE CITY ENGINEER OR THE CHANGE IS REQUIRED BY THE CITY INSPECTOR.

PROJECT CONTACTS:

1. CIVIL ENGINEER:  
JOSEPH DAY  
498 WEST 100 SOUTH  
PROVIDENCE, UT 84332  
JDAY@CIVILSOLUTIONSGROUP.NET  
P. 801.624.0588
2. SURVEYOR:  
CURTIS BOWN  
498 WEST 100 SOUTH  
PROVIDENCE, UT 84332  
CBOWN@CIVILSOLUTIONSGROUP.NET  
P. 435.720.3761
3. NIBLEY CITY ENGINEER:  
TOM DICKINSON  
455 WEST 3200 SOUTH  
NIBLEY, UT 84321  
TOMD@NIBLEYCITY.GOV  
P. 435.757.9848
4. NIBLEY PUBLIC WORKS DIRECTOR:  
STEPHEN ELIASON  
455 WEST 3200 SOUTH  
NIBLEY, UT 84321  
STEVEE@NIBLEYCITY.GOV  
P. 435.770.0727
5. HYRUM CITY FIRE DEPARTMENT:  
40 N 100 W  
HYRUM, UT 84319  
P. 435.245.7654
6. UTAH STORM WATER PERMIT:  
UTAH DEPARTMENT OF WATER QUALITY  
P.O. BOX 144870  
SALT LAKE CITY, UTAH 84114-4870  
P. 801.538.6146  
<http://www.waterquality.utah.gov/UPDES/stormwater.htm>

STANDARD DRAWINGS & SPECIFICATIONS:

1. NIBLEY CITY CORPORATION DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
2. NIBLEY CITY CORPORATION DEPARTMENT OF PUBLIC WORKS STANDARD CONSTRUCTION DRAWINGS.
3. STORM WATER SPECIFICATIONS ARE PER THE EPA NATIONAL MENU OF STORMWATER BEST MANAGEMENT PRACTICES UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND THE UTAH DEPARTMENT OF WATER QUALITY STORMWATER MANAGEMENT PROGRAM.
4. THE SPECIFICATIONS MENTIONED IN ITEMS ONE AND TWO SHALL SUPERSEDE ANY CONFLICTING SPECIFICATIONS CONTAINED WITHIN THESE PLANS.

NIBLEY CITY ENGINEERING DEPARTMENT APPROVAL:

THE IMPROVEMENT FOR THIS SUBDIVISION HAVE BEEN REVIEWED BY THE CITY ENGINEER FOR GENERAL CONFORMANCE WITH THE REQUIREMENTS OF THE CITY SUBDIVISION ORDINANCE. THIS SET OF CITY-APPROVED DRAWINGS SHALL BE USED FOR CONSTRUCTION OF THE REQUIRED SUBDIVISION IMPROVEMENTS. THE DEVELOPER'S ENGINEER, WHOSE STAMP IS ON THESE DRAWINGS, IS RESPONSIBLE FOR THE ENGINEERING DESIGN, DRAFTING, AND RELATED FIELD INFORMATION. THE CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS OR HER WORK WITH THAT OF ALL OTHER TRADES; AND THE SATISFACTORY PERFORMANCES OF HIS OR HER WORK.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

LEGEND EXISTING	LEGEND PROPOSED
— — — — — PROPERTY BOUNDARY	— W — WATER LINE (SIZE SHOWN ON PLAN)
— — — — — STORM DRAIN LINE	— S — STORM DRAIN LINE (SIZE SHOWN ON PLAN)
— — — — — WATER LINE	— IRR — IRRIGATION LINE (SIZE SHOWN ON PLAN)
— — — — — IRRIGATION LINE	— G — GAS LINE
— — — — — GAS LINE	— SSS — SANITARY SEWER LINE (SIZE SHOWN ON PLAN)
— — — — — SEWER LINE	— BPP — BURIED POWER LINE
— — — — — BURIED POWER LINE	— BCC — BURIED COMMUNICATION LINE
— — — — — AERIAL POWER LINE	— — — — — CONTOUR MAJOR
— — — — — COMMUNICATION LINE	— — — — — CONTOUR MINOR
— — — — — CONTOUR MINOR	— — — — — ASPHALT
— — — — — CONTOUR MAJOR	— — — — — CATCH CURB AND GUTTER
— — — — — ASPHALT	— — — — — SPILL CURB AND GUTTER
— — — — — CATCH CURB AND GUTTER	— — — — — CONCRETE SIDEWALK
— — — — — OPEN FACE CURB AND GUTTER	— — — — — BUILDING SETBACK
— — — — — FENCE	— — — — — WATER VALVE
— — — — — CONCRETE	— — — — — FIRE HYDRANT
— — — — — EXISTING TO BE REMOVED	— — — — — SEWER MANHOLE
— — — — — WATER VALVE	— — — — — WATER METER
— — — — — FIRE HYDRANT	— — — — — STORMRAIN BOX
— — — — — STORMRAIN BOX	— — — — — WATER METER
— — — — — WATER METER	— — — — — STORM WATER CATCH BASIN
— — — — — SEWER MANHOLE	

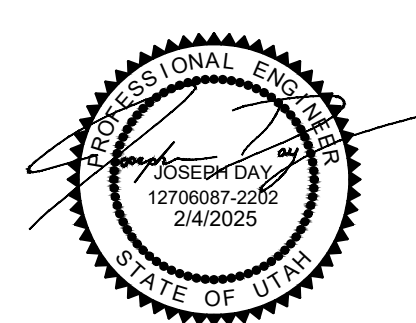
Sheet Number	Sheet Title
C001	COVER & LEGEND
C101	DEMOLITION PLAN
C201	PLAN & PROFILE
C301	STORMWATER PLAN
C501	DETAILS
C502	DETAILS

1300 WEST HALF ROAD  
3310 SOUTH TO 3390 SOUTH  
NIBLEY, UTAH 84321

MARK	DATE	DESCRIPTION
A	1/26/2025	ADDENDUM #1
B	2/4/2025	ADDENDUM #2

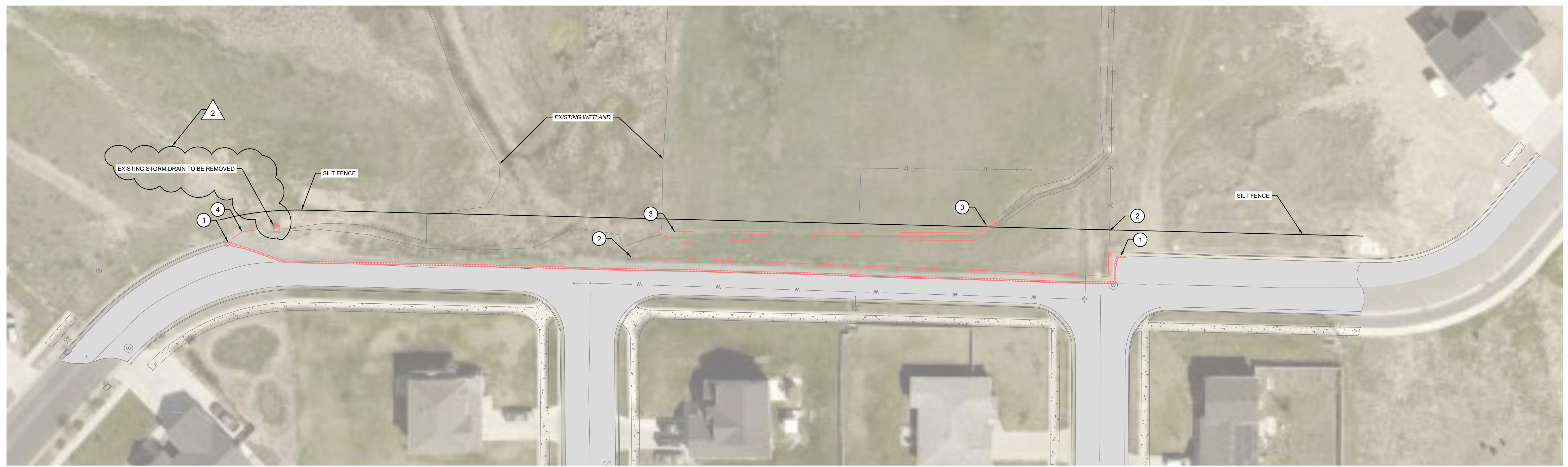
PROJECT #: 24-205  
DRAWN BY: D. FALSLEV  
PROJECT MANAGER: J. DAY  
ISSUED: 2/4/2025

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR. WITHOUT WRITTEN PERMISSION, THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.



COVER & LEGEND  
C001

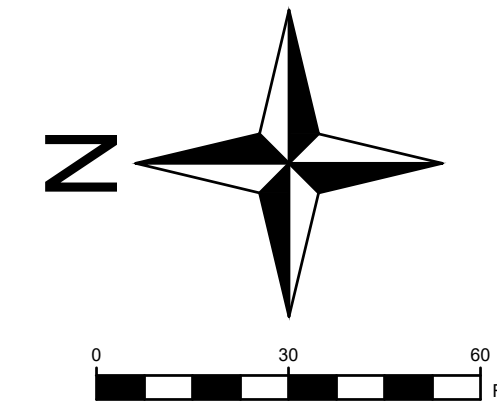
P:\2024\24-205 nibley city\_1300 west half road width improvement\Civil\AutoCAD\sheet set\COVER AND LEGEND



- 1 DEMOLITION PLAN SHEET KEY NOTES:**  
 ALL ITEMS CALLED OUT TO BE REMOVED SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER AND LOCATION.
1. SAWCUT & REMOVE ASPHALT PAVEMENT, MINIMUM OF 1'
  2. REMOVE & REPLACE FENCE LINE
  3. RELOCATE DITCH
  4. REMOVE AND RELOCATE 6' RAIL FENCE AND GATE

**GENERAL NOTES:**

1. IMPACT TO WETLAND AREA TO BE RESTRICTED TO WITHIN THE 30' HALF-WIDTH ROAD RIGHT-OF-WAY, OR 0.097 ACRES.
2. INSTALL SILT FENCE ALONG PROJECT BOUNDARY LINE. NO DISTURBANCE TO THE WETLAND BOUNDARY BEYOND THIS POINT.



**Know what's below. 811**  
**Call 811 before you dig.**  
**BLUE STAKES OF UTAH**  
 UTILITY NOTIFICATION CENTER, INC.  
[www.bluestakes.org](http://www.bluestakes.org)  
 1-800-662-4111

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR. WITHOUT WRITTEN PERMISSION, THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.

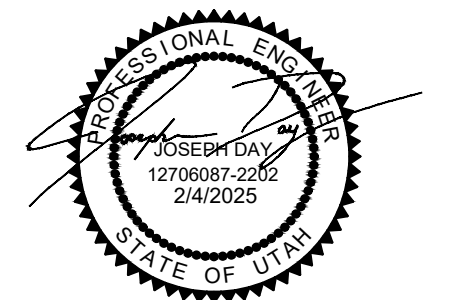
**civilsolutionsgroup inc.**

CACHE VALLEY | P: 435.213.3762  
 SALT LAKE | P: 801.216.3192  
 UTAH VALLEY | P: 801.874.1432  
 info@civilsolutionsgroup.net  
 www.civilsolutionsgroup.net

**1300 WEST HALF ROAD**  
 3310 SOUTH TO 3390 SOUTH  
 NIBLEY, UTAH 84321

MARK	DATE	DESCRIPTION:
1	1/26/2025	ADDENDUM #1
2	2/4/2025	ADDENDUM #2

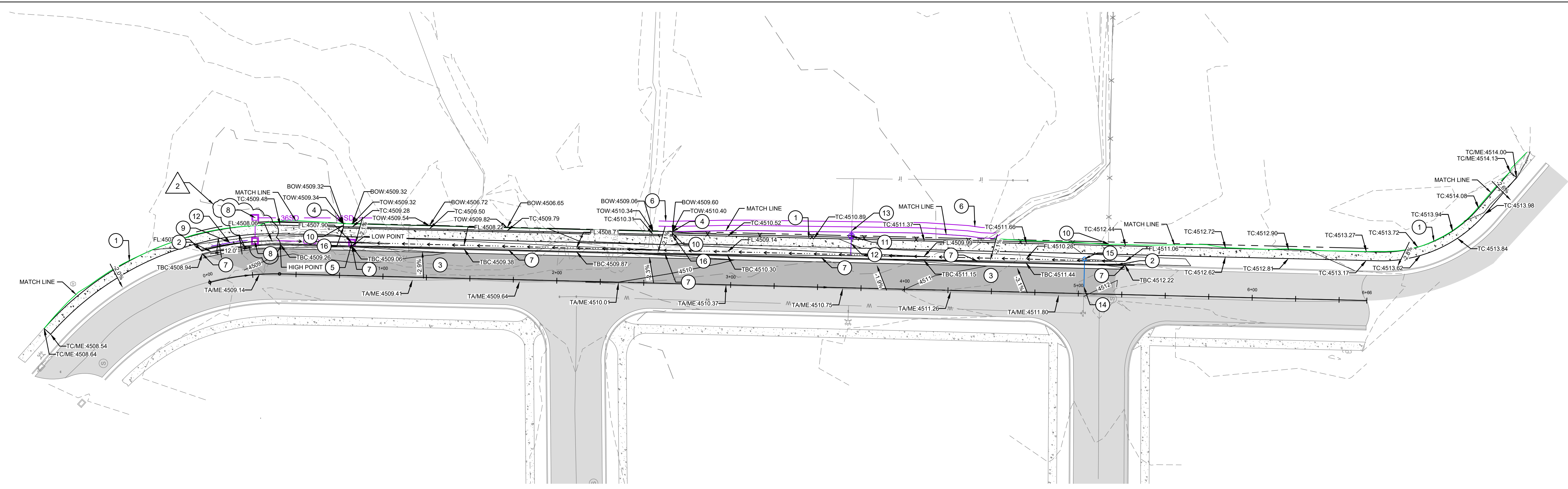
PROJECT #: 24-205  
 DRAWN BY: D. FALSLEV  
 PROJECT MANAGER: J. DAY  
 ISSUED: 2/4/2025



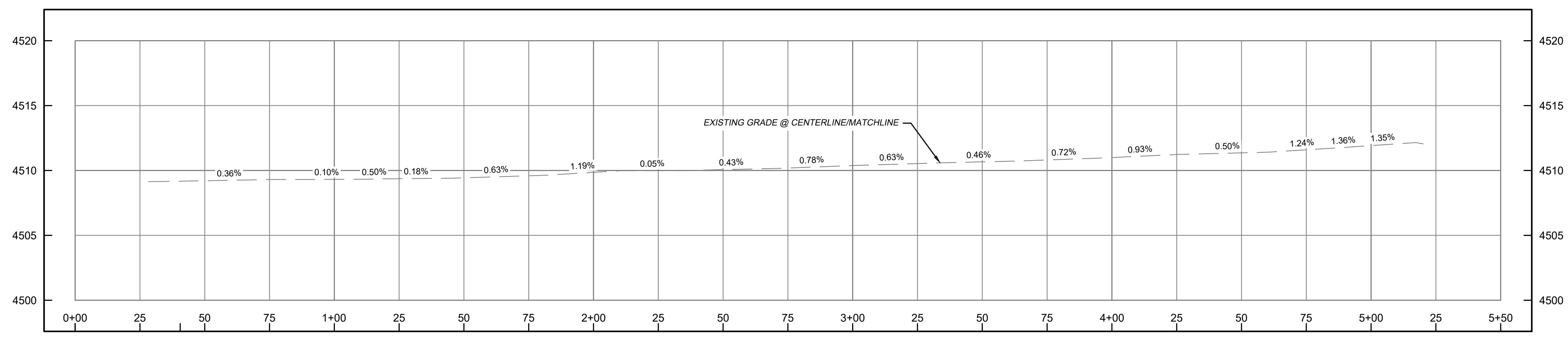
**DEMOLITION PLAN**

**C101**

**1300 WEST HALF ROAD**  
 3310 SOUTH TO 3390 SOUTH  
 NIBLEY, UTAH 84321

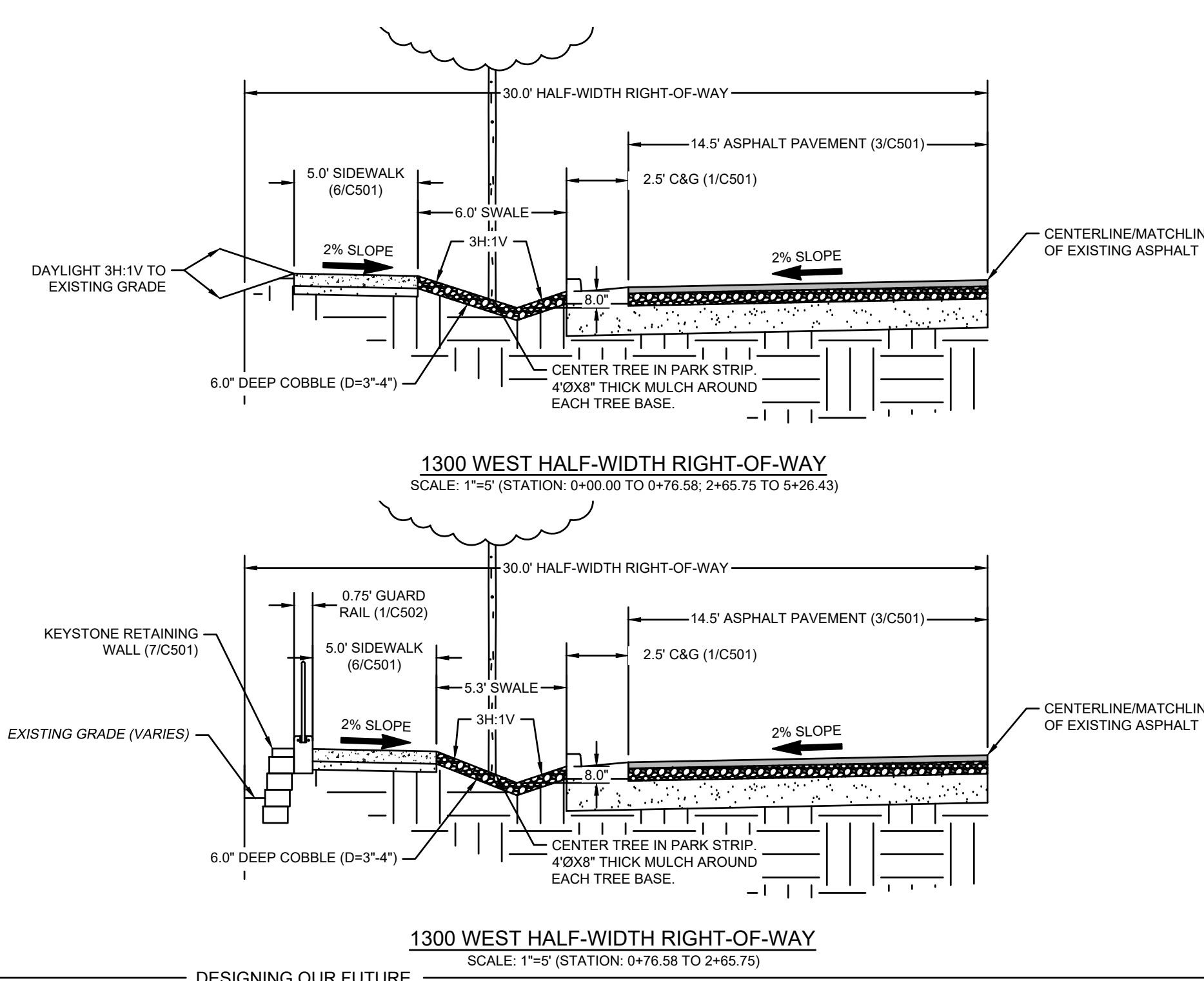


**1300 WEST CENTERLINE PROFILE**



- GENERAL NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND CONTACT ENGINEER IF DIFFERENT FROM LOCATIONS DISPLAYED ON THESE PLANS.
  - ALL STORM DRAIN LINES SHALL BE INSTALLED PER UTILITY TRENCHING DETAIL FOUND IN STANDARD DRAWING 08 ON SHEET C-501.
  - CONTRACTOR SHALL NOT EXCAVATE ROAD SIDE SWALES UNTIL ALL UTILITIES HAVE BEEN INSTALLED.
  - CONTRACTOR TO INSTALL STREET TREE IRRIGATION SYSTEM. CONTRACTOR TO COORDINATE IRRIGATION SYSTEM WITH NIBLEY CITY.
  - VALVE: HUNTER (C2-10) LF-40
  - POINT-SOURCE EMITTERS: HUNTER HEB-20-CV 2" THREADED (BLACK)
  - CONTROLLER: HUNTER NODE 100
  - VALVE BOX: CARSON JUMBO VALVE BOX (BROWN)
  - CONTRACTOR TO PLANT STREET TREES CENTERED IN PARK STRIP SPACED 40' APART. CONTRACTOR TO INSTALL ROCK IN PARKSTRIP
  - TREES TO BE 2" CALIPER
  - 4"X8" THICK MULCH AROUND EACH TREE BASE
  - THREE DIFFERENT SPECIES TO BE PLANTED, ROCKY MOUNTAIN MAPLE (ACER GLUBRUM), REDBUD (CERCIS), ZELKOVA, CITY SPRITE (ZELKOVA SERRATA, 'CITY SPRITE'), SPECIES TO BE PLANTED IN GROUPS OF THREE AND ALTERNATE EVERY 4TH TREE WITH A GROUP OF THREE OF A DIFFERENT SPECIES.
- ① SITE SHEET KEY NOTES:**  
 PROVIDE, INSTALL, AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:
- 5' CONCRETE SIDEWALK (6/C501)
  - 30" CATCH CURB & GUTTER (1/C501)
  - STANDARD DUTY ASPHALT PAVEMENT (3/C501)
  - 'KEYSTONE COMPACT' GRAVITY RETAINING WALL (7/C501)
  - 3' X 3' STORMWATER CATCH BASIN (4/C501). SEE STORMWATER PLAN FOR ELEVATIONS
  - EARTHEN DITCH (5/C501)
  - CURB CUT SCUPPER (2/C501). PLACE EVERY 90' FROM THE LOW POINT
  - 4' X 4' STORMWATER CATCH BASIN (4/C501). SEE STORMWATER PLAN FOR ELEVATIONS
  - FLARED DRIVEWAY APPROACH (6/C501)
  - REINSTALL FENCE LINE 1" FROM BACK OF SIDEWALK
  - 2" GATE VALVE
  - 2 - 2" IRRIGATION SLEEVES
  - CONNECT TO EXISTING LANDSCAPE IRRIGATION SYSTEM. CONTRACTOR TO FIELD VERIFY LOCATION AND NOTIFY ENGINEER
  - CONNECT TO EXISTING 8" WATER LINE CONNECTION
  - FIRE HYDRANT (10/C501)
  - CURB WALL & GUARD RAIL (1/C502 & 2/C502)

- BID OPTION 1 GENERAL NOTES:**
- INSTALL 150 LF OF 2" STREET LIGHTING CONDUIT FROM EXISTING STREET LIGHT AT 3390 SOUTH 1300 WEST INTERSECTION TO INTERSECTION OF 3350 SOUTH 1300 WEST FOR PROPOSED STREET LIGHT. CONDUIT TO MEET ROCKY MOUNTAIN POWER REQUIREMENTS.
- GRADING GENERAL NOTES:**
- ALL TBC CALLOUTS ARE AT FULL HEIGHT AT BACK OF CURB.
  - MAINTAIN A MINIMUM OF 0.5% LONGITUDINAL SLOPE IN ALL GUTTERS.
  - MAINTAIN A MAXIMUM OF 2.0% CROSS-SLOPE ON ALL SIDEWALKS.
- GRADING LEGEND:**  
 FG = FINISHED GRADE  
 EG = EXISTING GRADE  
 ME = MATCH EXISTING  
 TA = TOP OF ASPHALT  
 TC = TOP OF CONCRETE  
 TBC = TOP BACK OF CURB  
 FL = FLOW LINE

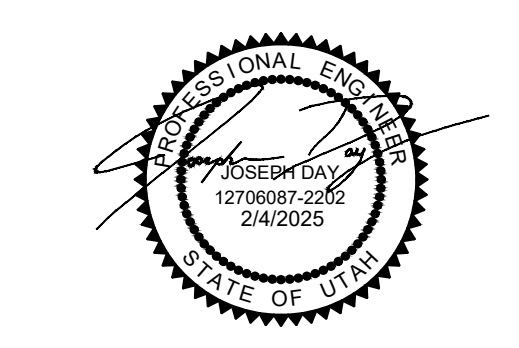


**Know what's below. 811**  
**Call 811 before you dig.**  
**BLUE STAKES OF UTAH**  
 UTILITY NOTIFICATION CENTER, INC.  
 www.bluestakes.org  
 1-800-662-4111

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR. WITHOUT WRITTEN PERMISSION. THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.

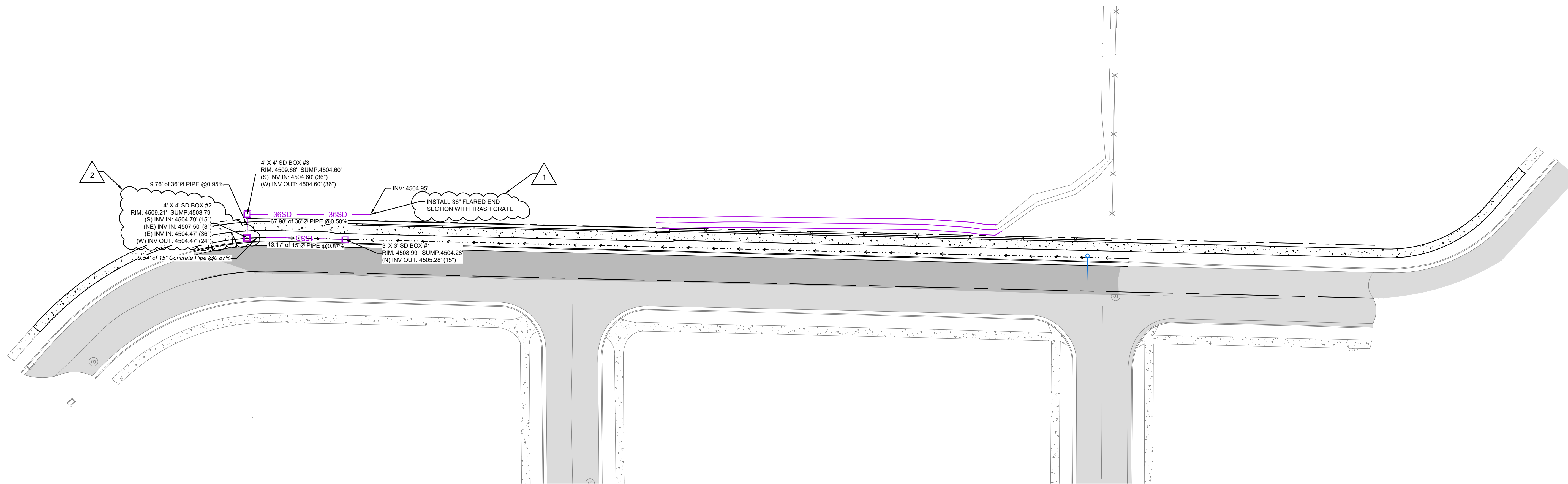
MARK	DATE	DESCRIPTION
1	1/28/2025	ADDENDUM #1
2	3/4/2025	ADDENDUM #2

PROJECT #: 24-205  
 DRAWN BY: D. FALSLEV  
 PROJECT MANAGER: J. DAY  
 ISSUED: 2/14/2025



**PLAN & PROFILE**

**C201**



**1300 WEST DEVELOPMENT STORMWATER CALCULATIONS**

Description	Area (sq ft)	Area (ac)	CN (Group C)	(SubArea / TotalArea)*CN
Hardscape (Asphalt, Buildings, Sidewalk, ect)	11,834	0.27	98	72
Open Space	4,259	0.10	74	20
<b>Total Area:</b>	<b>16,093</b>	<b>0.37</b>	<b>92</b>	

Pre Development (Pasture, grassland, or range; good): 16,093 0.37 75

90th-Percentile Storm Volume (0.6-inches): **805** cu-ft

Initial Abstraction for pre dev		0.18	inches
Precipitation (10 Yr) 24 hour storm	2.04	inches	
Precipitation (25 Yr) 24 hour storm	2.41	inches	
Precipitation (100 Yr) 24 hour storm	3.02	inches	
Direct Runoff (10 Yr) for pre dev (10 Yr)	1.25	total runoff depth	
Direct Runoff (25 Yr) for pre dev (25 Yr)	1.58	total runoff depth	
Direct Runoff (100 Yr) for pre dev (100 Yr)	2.15	total runoff depth	

Post Development	10-Year Direct Runoff	25-Year Direct Runoff	100-Year Direct Runoff
Pre-Development	0.01 acre-ft	0.02 acre-ft	0.03 acre-ft
10-Year Direct Runoff	0.04 acre-ft	0.05 acre-ft	0.07 acre-ft
25-Year Direct Runoff	1,671 ft3	2,120 ft3	2,881 ft3
100-Year Direct Runoff	537 ft3	803 ft3	1,306 ft3

**STORMWATER NARRATIVE:**

THE PROPOSED RIGHT-OF-WAY WILL BE DESIGNED TO RETAIN THE CACHE COUNTY 90TH-PERCENTILE STORM (0.6 IN). ALL RUNOFF WILL BE CONVEYED TO THE SWALE LOCATED WITHIN THE PARKSTRIP THROUGH SCUPPERS IN THE CURB EVERY 90 FEET.

REQUIRED RETENTION STORAGE: 805 CF  
PROVIDE RETENTION STORAGE: 1,037 CF

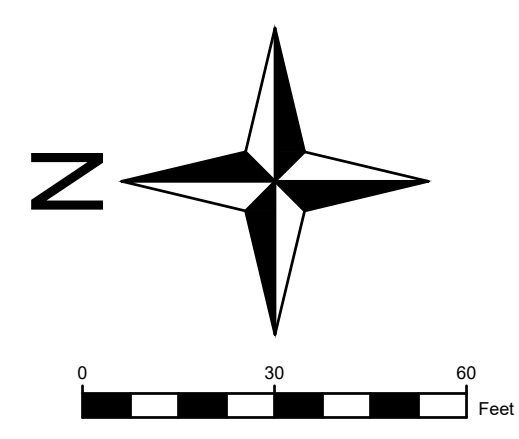
**civilsolutionsgroup inc.**

CACHE VALLEY | P: 435.213.3762  
SALT LAKE | P: 801.216.3192  
UTAH VALLEY | P: 801.874.1432  
info@civilsolutionsgroup.net  
www.civilsolutionsgroup.net

**1300 WEST HALF ROAD**  
3310 SOUTH TO 3390 SOUTH  
NIBLEY, UTAH 84321

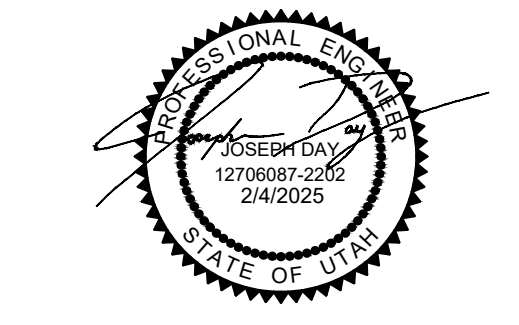
MARK	DATE	DESCRIPTION
1	1/26/2025	ADDENDUM #1
2	2/4/2025	ADDENDUM #2

PROJECT #: 24-205  
DRAWN BY: D. FALSLEV  
PROJECT MANAGER: J. DAY  
ISSUED: 2/4/2025



Know what's below. **811**  
Call 811 before you dig.  
**BLUE STAKES OF UTAH**  
UTILITY NOTIFICATION CENTER, INC.  
www.bluestakes.org  
1-800-662-4111

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR, WITHOUT WRITTEN PERMISSION. THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.

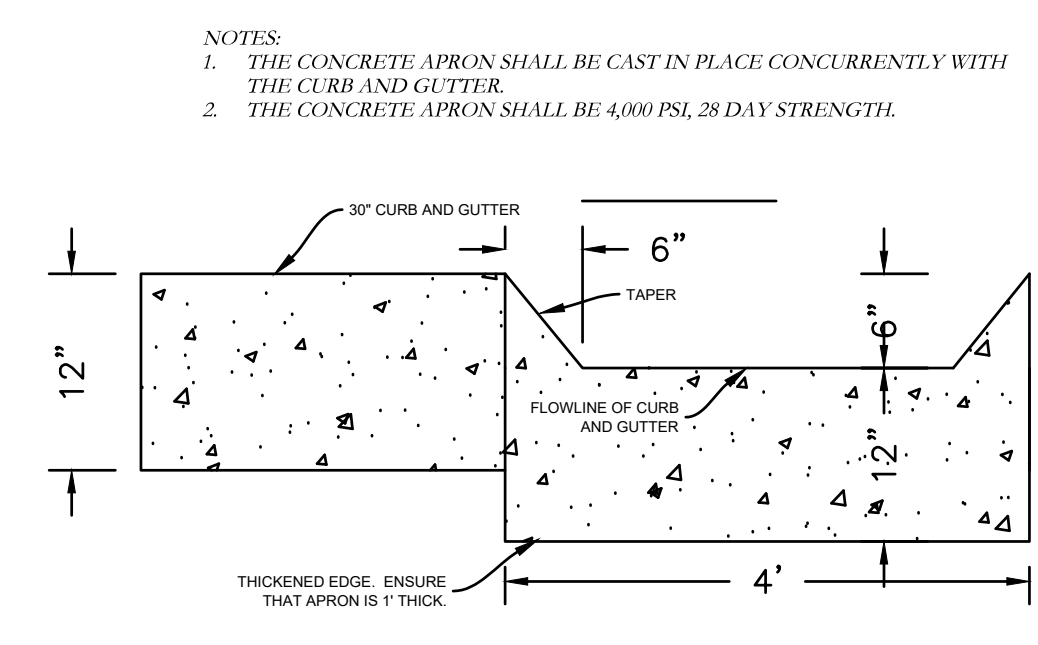
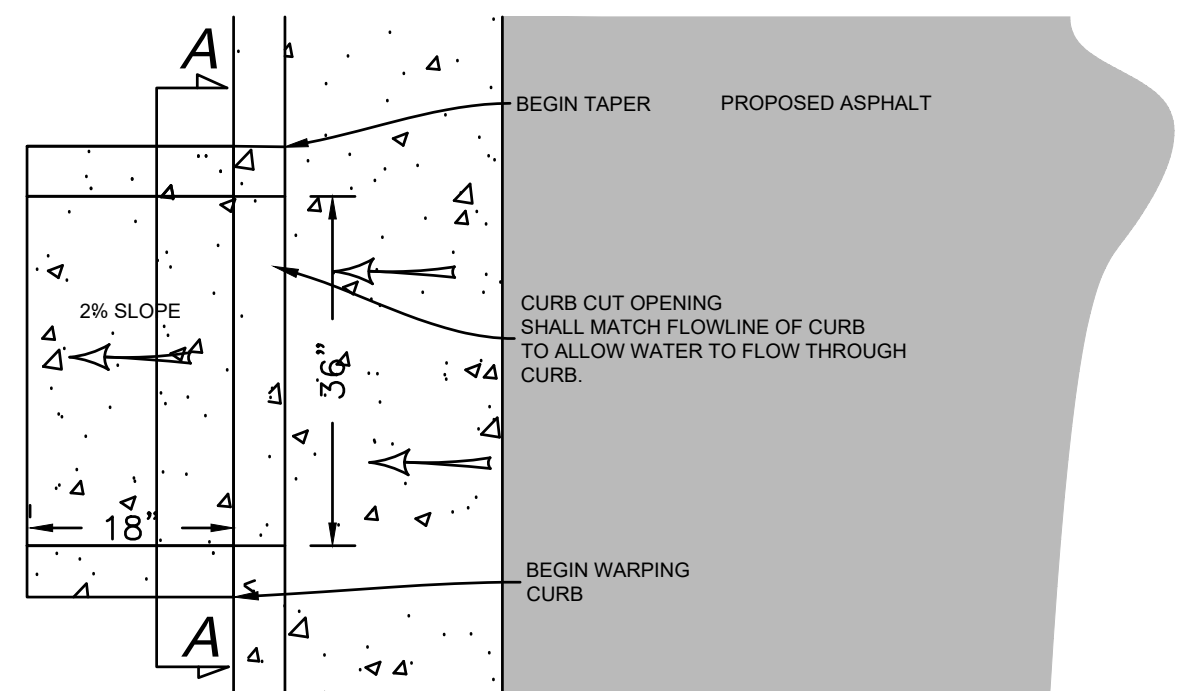


**STORMWATER PLAN**

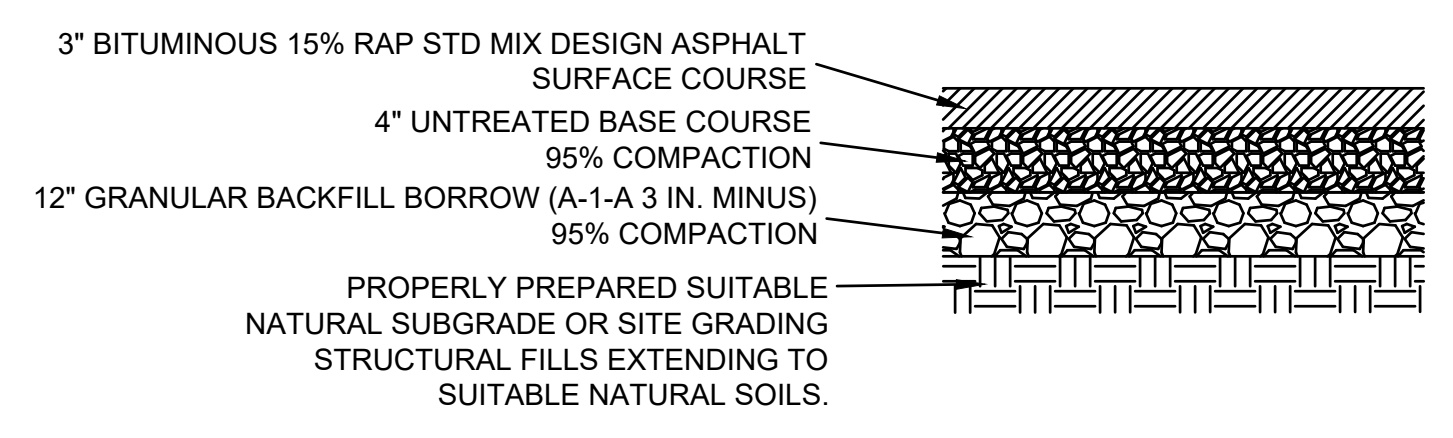
**C301**

P:\2024\24-205 nibley city\_1300 west half road width improvement\Civil\AutoCAD\sheet set\24-205 STORMWATER PLAN

- 1. GENERAL**  
 A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER'S discretion.  
 B. Additional requirements are specified in APWA Section 32 16 13.
- 2. PRODUCTS**  
 A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
 B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.  
 C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.  
 D. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.
- 3. EXECUTION**  
 A. Base Course Placement: APWA Section 32 05 10. Thickness is 6-inches if flow-line grade is 0.5 percent (s=0.005) or greater. If slope is less, provide 8-inches. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.  
 B. Concrete Placement: APWA Section 03 30 10.  
 1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install at the start or end of a street intersection curb return. Expansion joints are not required in concrete placement using slip-form construction.  
 2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Match joint location in adjacent Portland-cement concrete roadway pavement.  
 3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.  
 C. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

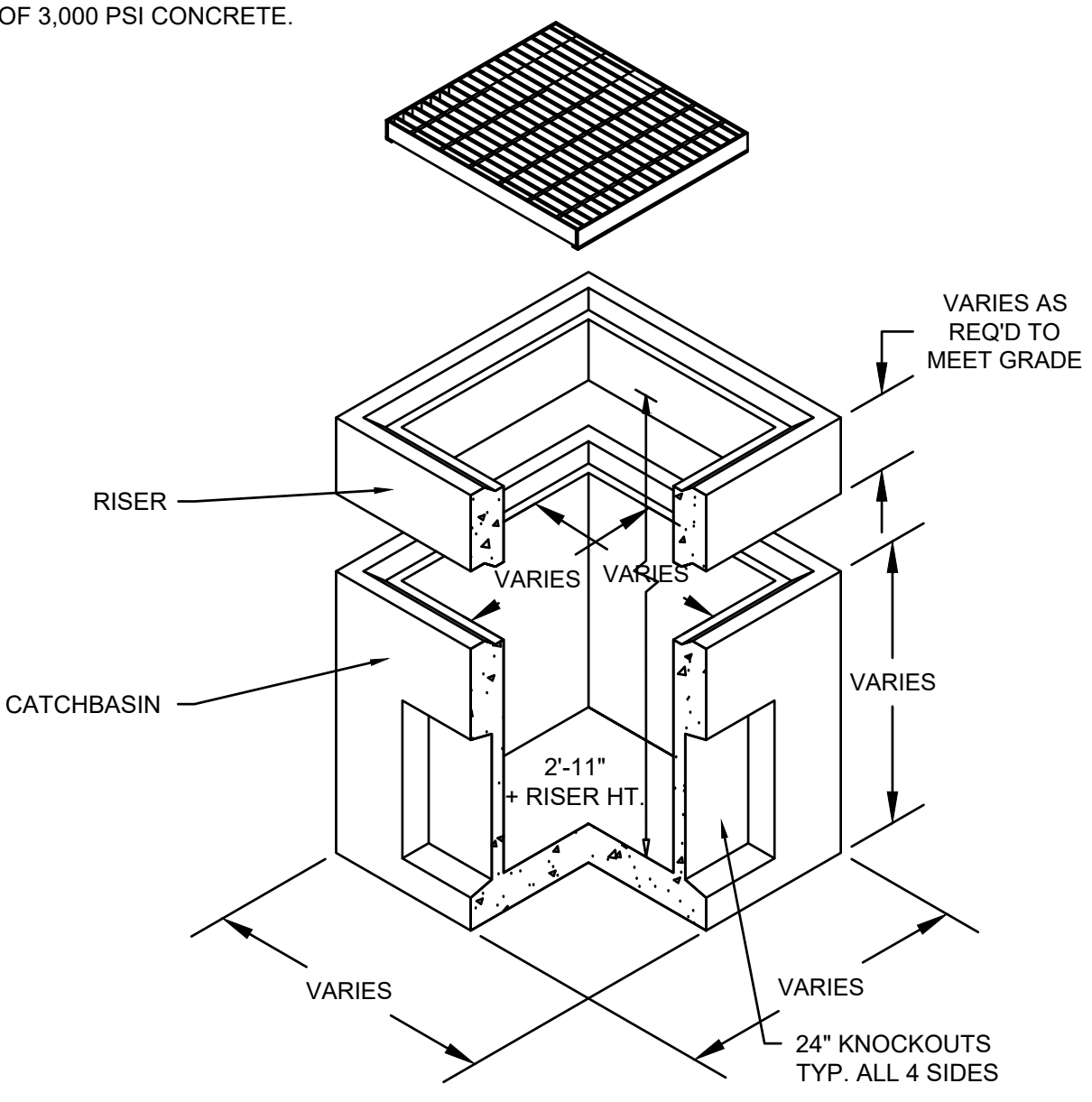


**2 C501 CURB CUT SCUPPER**  
 NOT TO SCALE

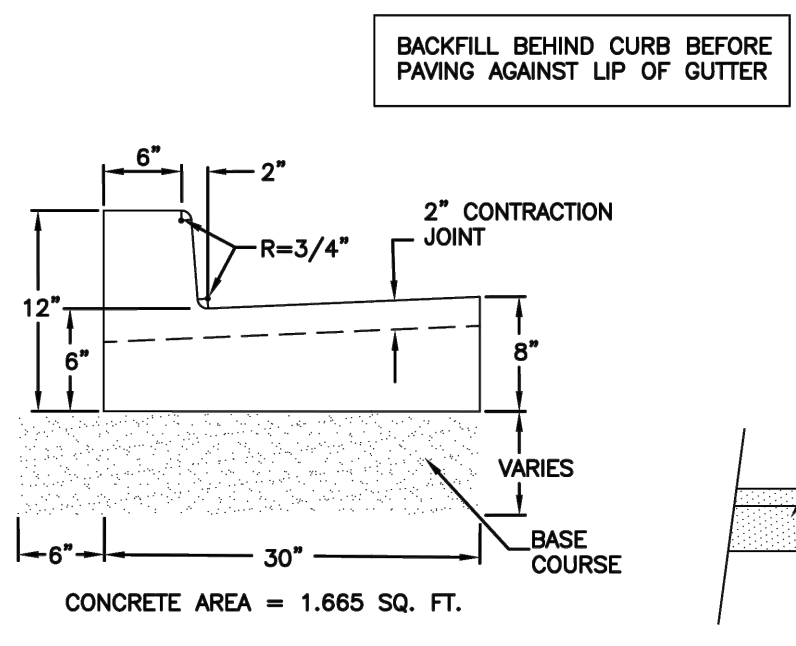


**3 C501 STANDARD DUTY ASPHALT PAVEMENT**  
 NOT TO SCALE

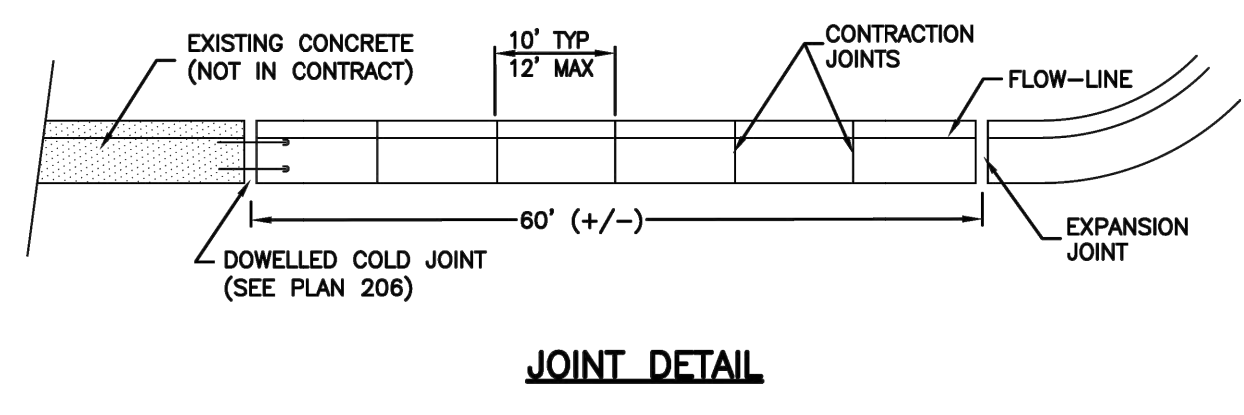
NOTE:  
 1. CATCH BASINS AND GRATE SHALL MEET ASTM C858 WITH AASHTO HS-20 LOADING.  
 2. OPENINGS MAY BE LOCATED AS REQUIRED.  
 3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.



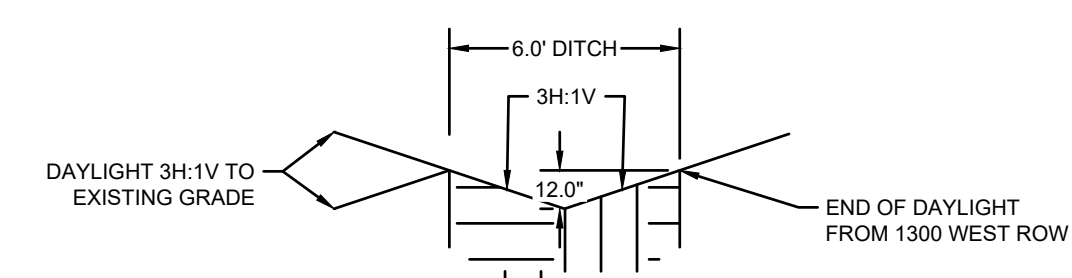
**4 C501 STORMWATER CATCH BASIN**  
 NOT TO SCALE



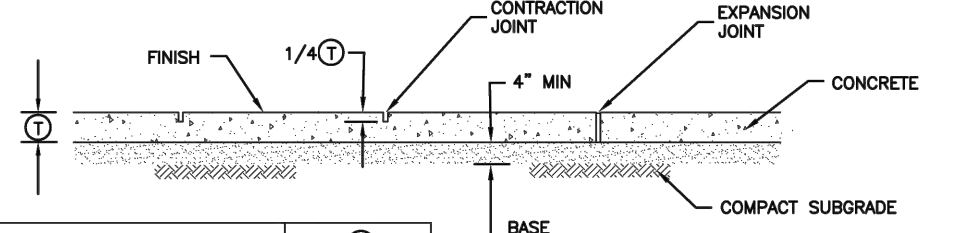
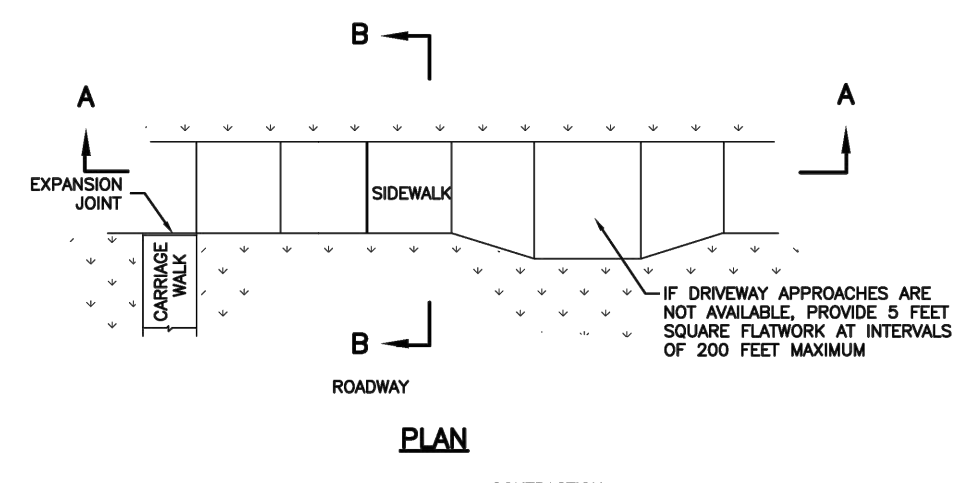
**1 C501 30" CATCH CURB & GUTTER**  
 NOT TO SCALE



**JOINT DETAIL**



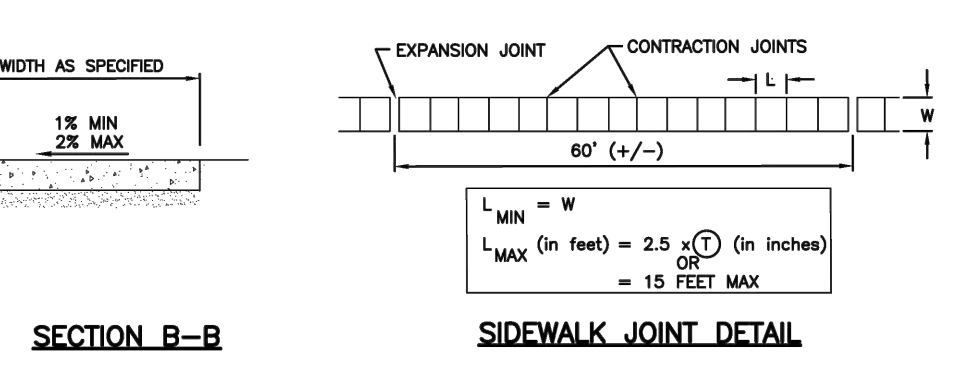
**5 C501 EARTHEN DITCH**  
 NOT TO SCALE



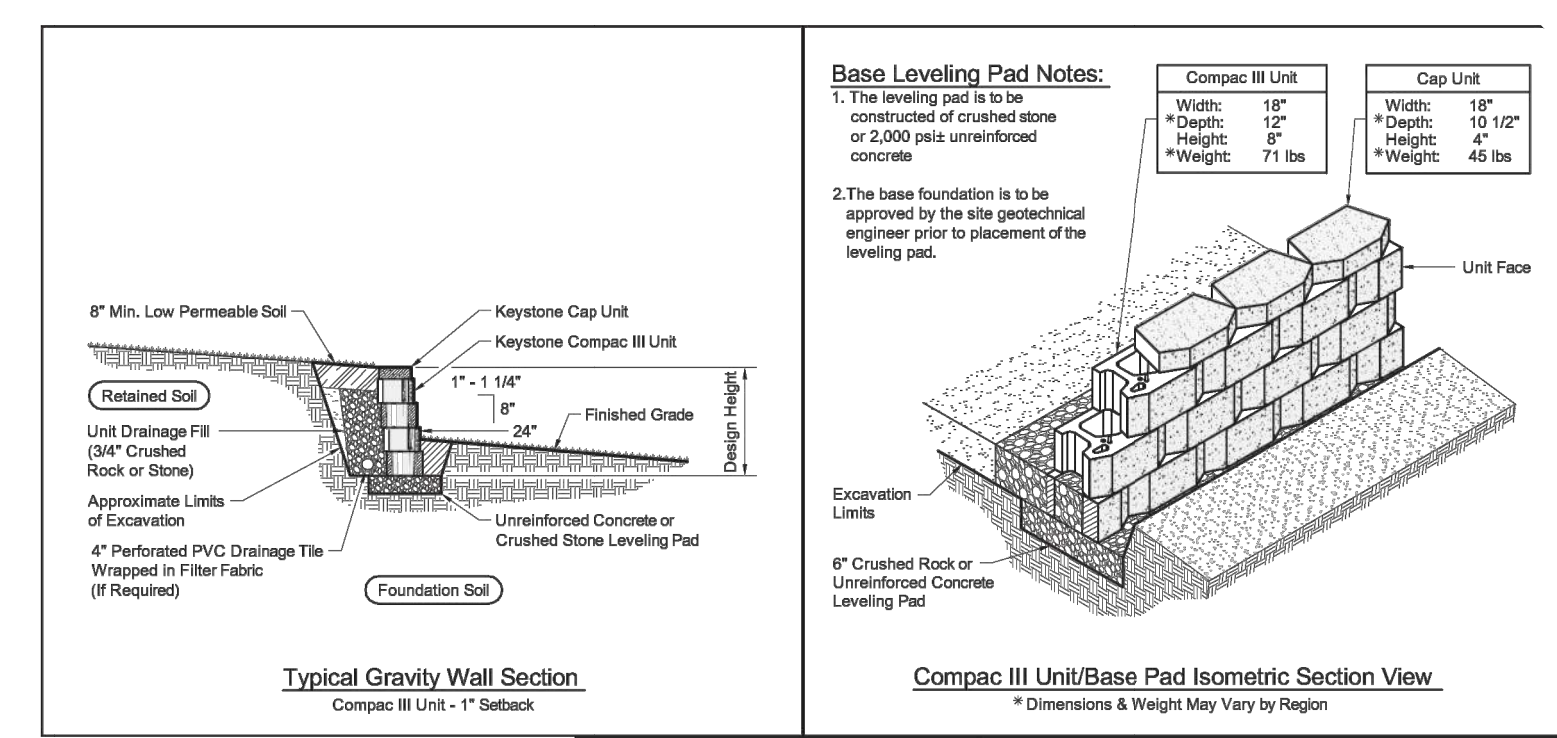
STREET TYPE	THICKNESS
RESIDENTIAL (WITH PARK STRIP)	4"
RESIDENTIAL (NO PARK STRIP)	6"
OTHER	6"

REPLACING EXISTING SIDEWALK MATCH EXISTING (+/- MIN.)

SEE DRIVEWAY APPROACH PLANS FOR SIDEWALK THICKNESS AT DRIVEWAYS

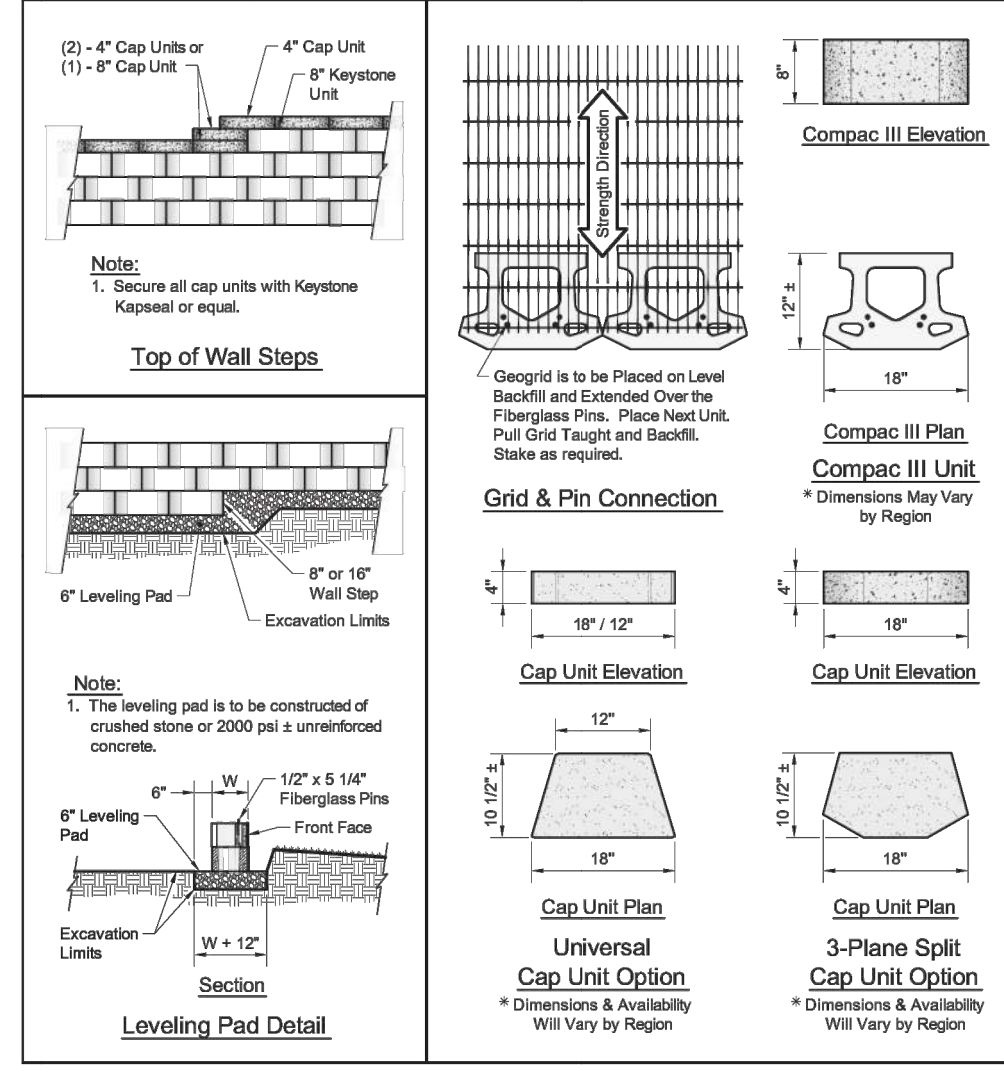


**6 C501 CONCRETE SIDEWALK**  
 NOT TO SCALE

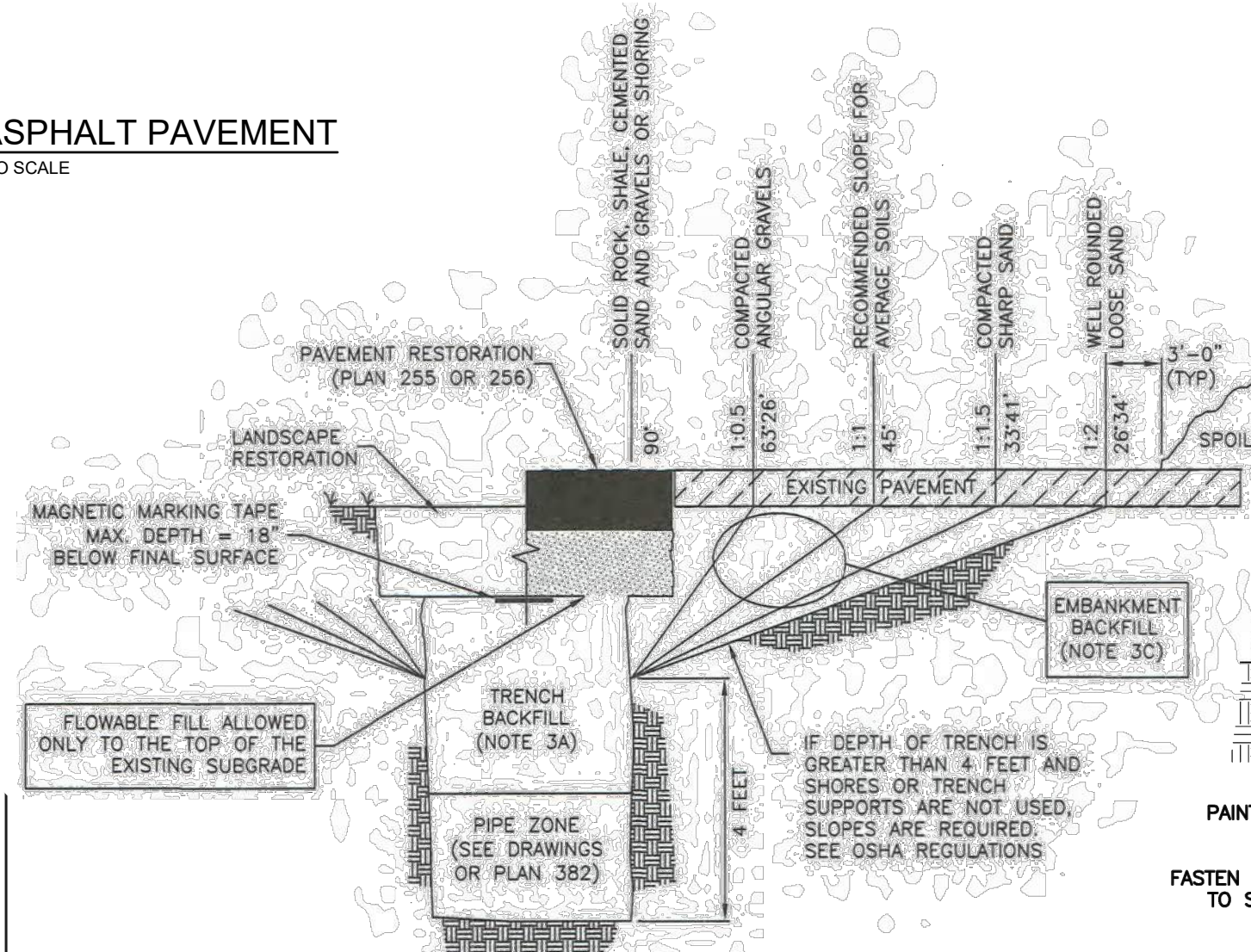


**Sidewalk**

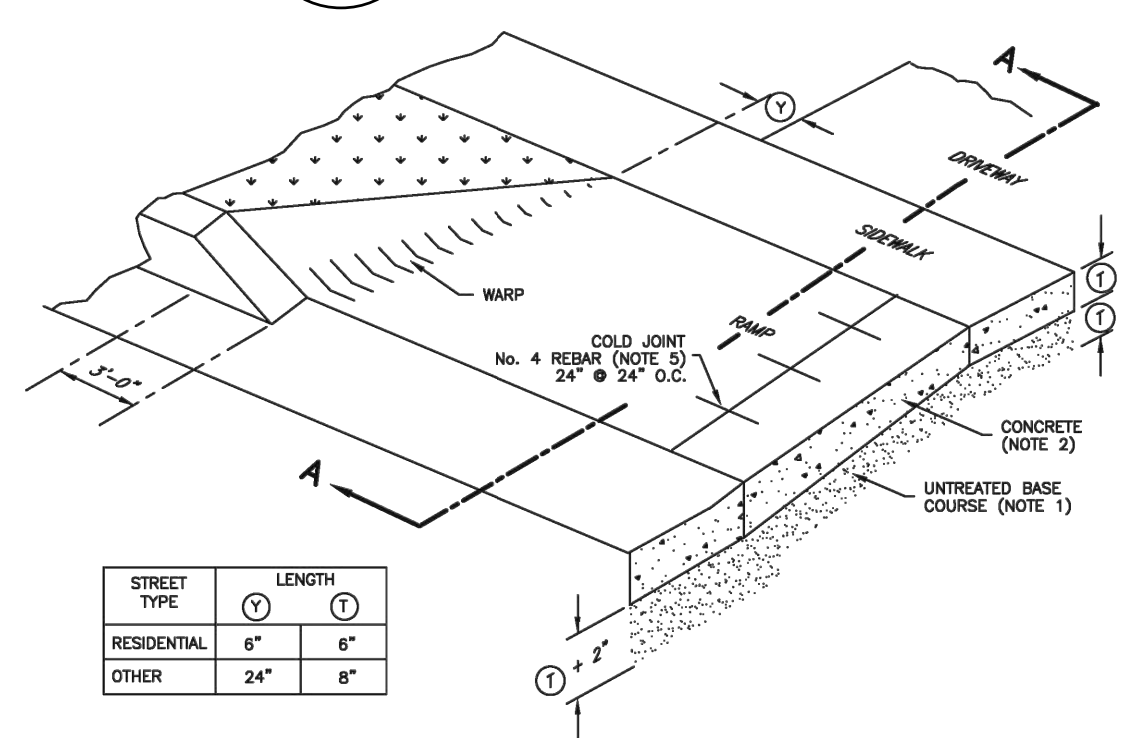
- 1. GENERAL**  
 A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER'S discretion.  
 B. Additional requirements are specified in APWA Section 32 16 13.
- 2. PRODUCTS**  
 A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
 B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.  
 C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.  
 D. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.
- 3. EXECUTION**  
 A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.  
 B. Concrete Placement: APWA Section 03 30 10.  
 1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface.  
 2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Maximum length to width ratio for non-square panels is 1.5 to 1. Maximum panel length (in feet) is 1.5 times the slab thickness (in inches).  
 3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.



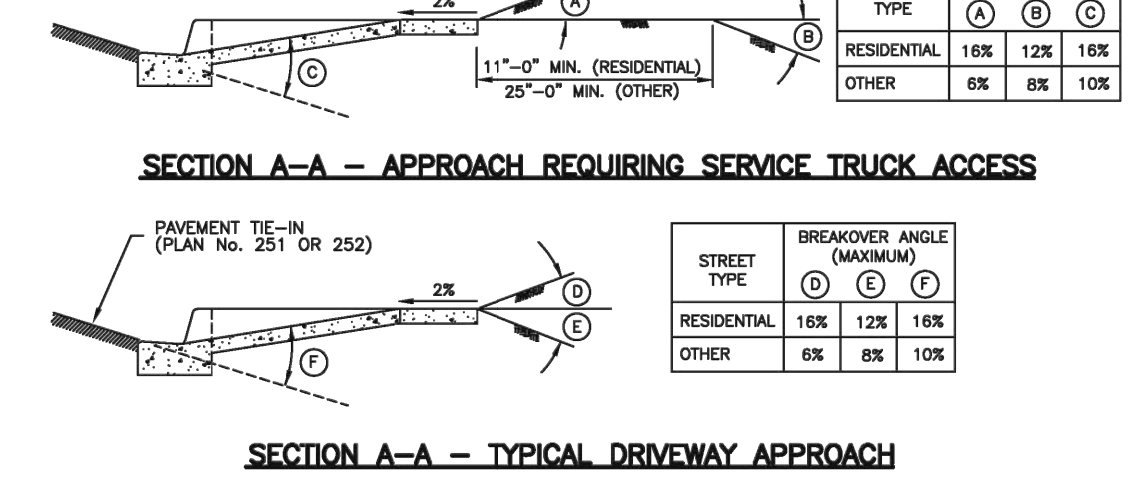
**7 C501 KEYSTONE COMPAC GRAVITY RETAINING WALL**  
 NOT TO SCALE



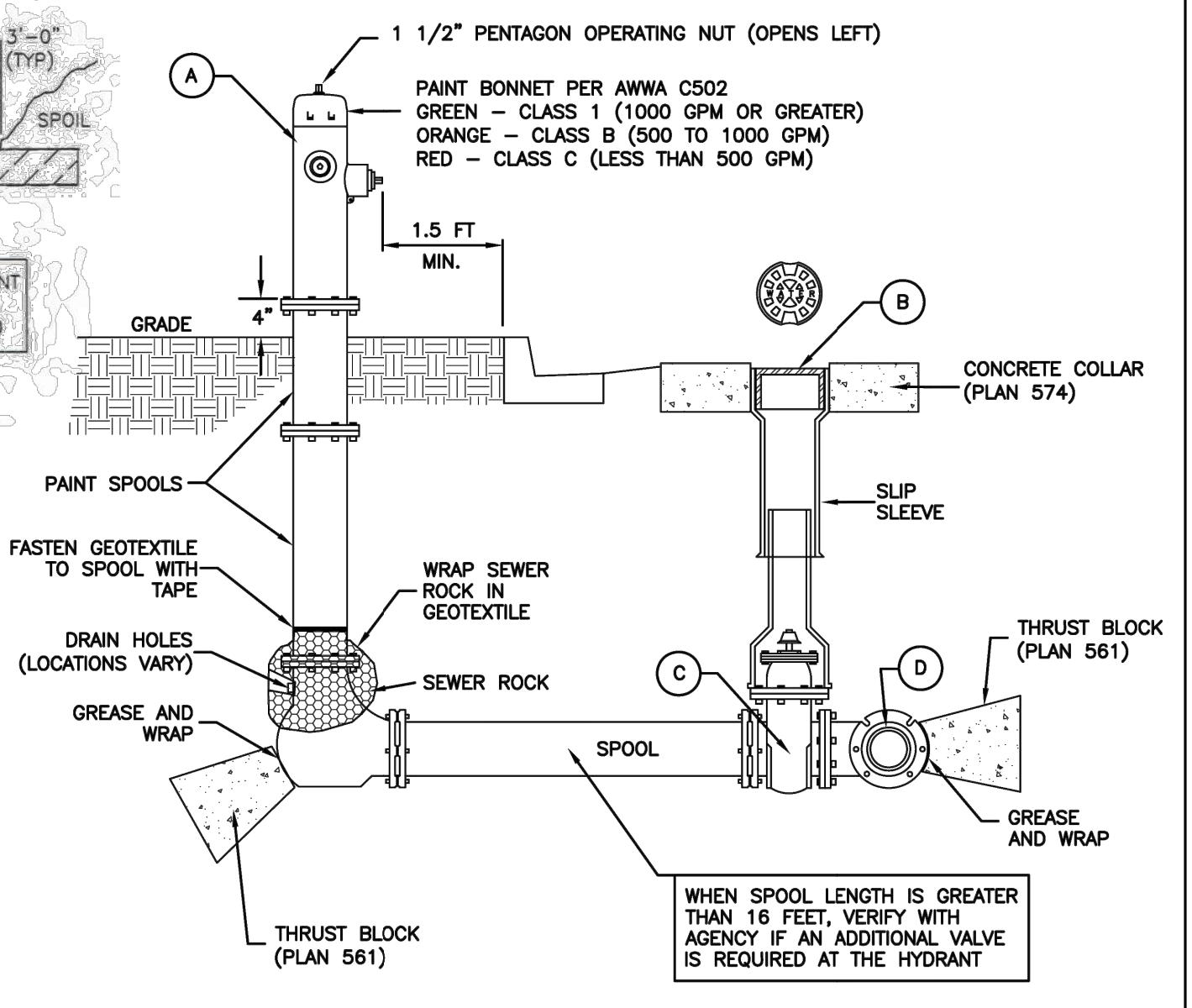
**8 C501 PIPE TRENCHING**  
 NOT TO SCALE



**10 C501 FIRE HYDRANT**  
 NOT TO SCALE



**9 C501 FLARED DRIVEWAY APPROACH**  
 NOT TO SCALE



No.	ITEM	DESCRIPTION
(A)	FIRE HYDRANT	AWWA C502
(B)	VALVE BOX WITH LID	2-PIECE CAST IRON
(C)	GATE VALVE WITH 2" X 2" NUT	AWWA C509
(D)	TEE WITH 125 # FLANGE	AWWA C110

\* FURNISHED BY UTILITY AGENCY

**10 C501 FIRE HYDRANT**  
 NOT TO SCALE

Know what's below. **811** before you dig.

**BLUE STAKES OF UTAH**  
 UTILITY NOTIFICATION CENTER, INC.  
 www.bluestakes.org  
 1-800-662-4111

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR, WITHOUT WRITTEN PERMISSION. THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.

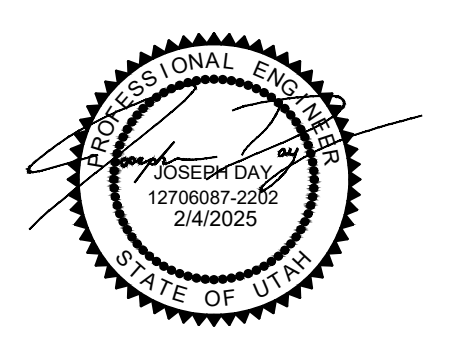
**civilsolutionsgroup inc.**

CACHE VALLEY | P: 435.213.3762  
 SALT LAKE | P: 801.216.3192  
 UTAH VALLEY | P: 801.874.1432  
 info@civilsolutionsgroup.net  
 www.civilsolutionsgroup.net

**1300 WEST HALF ROAD**  
 3310 SOUTH TO 3390 SOUTH  
 NIBLEY, UTAH 84321

MARK	DATE	DESCRIPTION
1	12/28/2025	ADDENDUM #1
2	04/20/2025	ADDENDUM #2

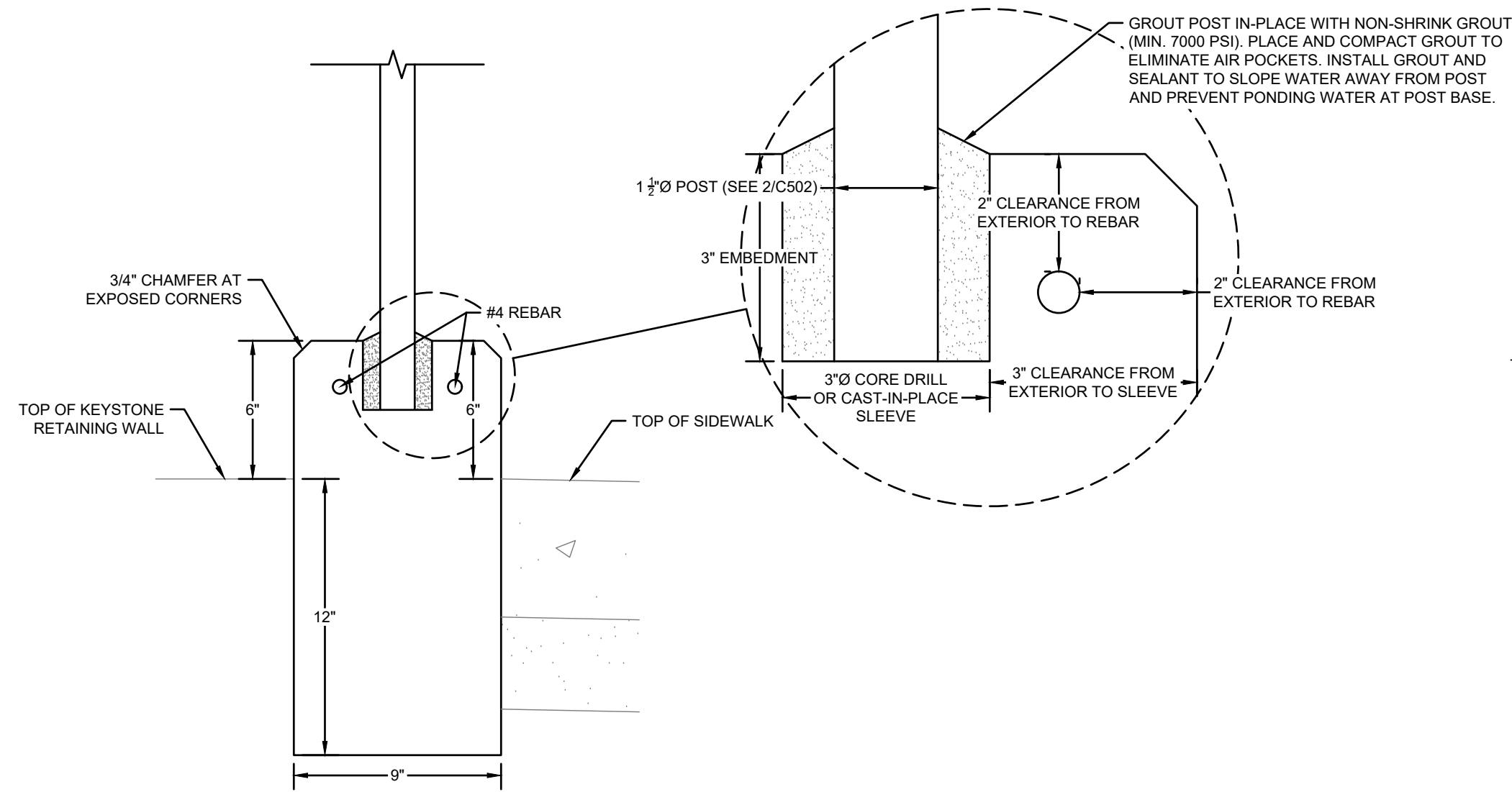
PROJECT #: 24-205  
 DRAWN BY: D. FALSLEV  
 PROJECT MANAGER: J. DAY  
 ISSUED: 2/14/2025



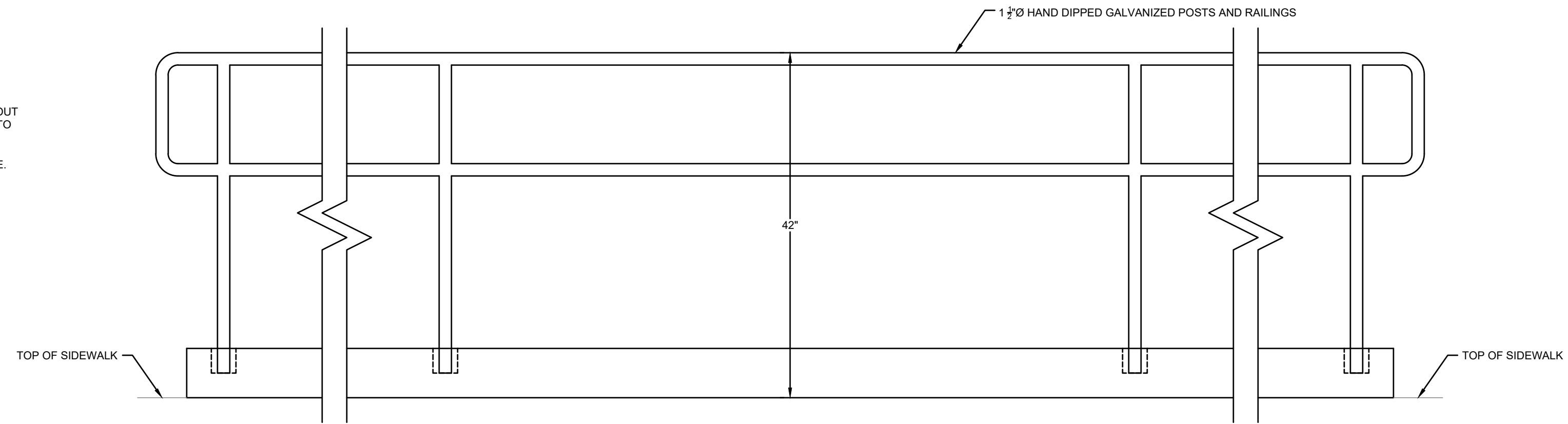
**DETAILS**

**C501**

P:\02024\24-205 nibley city\_1300 west half road width improvement\Civil\AutoCAD\sheet set\24-205 DETAILS



**1**  
C502  
**CURB WALL**  
NOT TO SCALE



**2**  
C502  
**GUARD RAIL**  
NOT TO SCALE

**civilsolutionsgroup inc.**



CACHE VALLEY | P: 435.213.3762  
SALT LAKE | P: 801.216.3192  
UTAH VALLEY | P: 801.874.1432  
info@civilsolutionsgroup.net  
www.civilsolutionsgroup.net

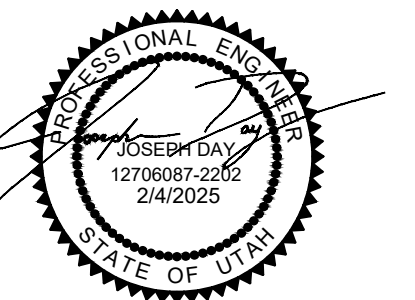
**1300 WEST HALF ROAD**  
3310 SOUTH TO 3390 SOUTH  
NIBLEY, UTAH 84321

MARK	DATE	DESCRIPTION
A	1/26/2025	ADDENDUM #1
B	2/4/2025	ADDENDUM #2

PROJECT #: 24-205  
DRAWN BY: D. FALSLEV  
PROJECT MANAGER: J. DAY  
ISSUED: 2/4/2025

**Know what's below. 811**  
**Call 811 before you dig.**  
**BLUE STAKES OF UTAH**  
UTILITY NOTIFICATION CENTER, INC.  
[www.bluestakes.org](http://www.bluestakes.org)  
1-800-662-4111

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF CIVIL SOLUTIONS GROUP, INC. AND SHALL NOT BE PHOTOCOPIED, RE-DRAWN, OR USED ON ANY OTHER PROJECT OTHER THAN THE PROJECT SPECIFICALLY DESIGNED FOR, WITHOUT WRITTEN PERMISSION. THE OWNERS AND ENGINEERS OF CIVIL SOLUTIONS GROUP, INC. DISCLAIM ANY LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS OR THE DESIGN THEREON WITHOUT THEIR CONSENT. THESE PLANS ARE DRAWN TO SCALE WHEN PLOTTED ON A 24" X 36" SHEET OF PAPER. THESE PLANS ARE PRODUCED IN COLOR AND SHOULD BE PLOTTED AS SUCH.



**DETAILS**

**C502**