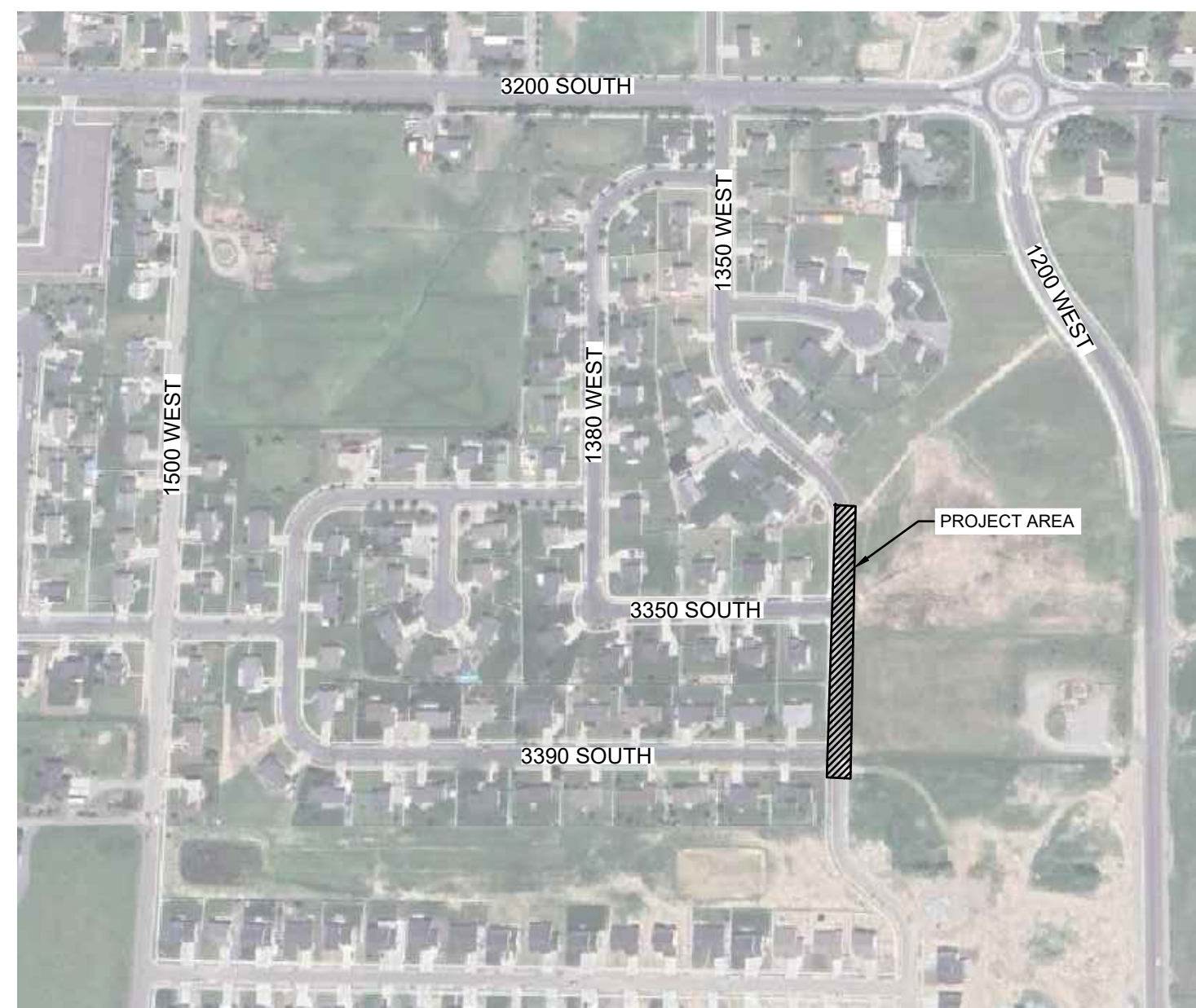


1300 WEST HALF ROAD CONSTRUCTION DRAWINGS

1/10/2025

VICINITY MAP
NTS



GENERAL NOTES:

- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A NOTICE TO PROCEED HAS BEEN ISSUED.
- 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.
- 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.
- 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.
- 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.
- "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.
- ALL EXISTING AND/OR PROPOSED PUBLIC UTILITY SYSTEM AND SERVICE FACILITIES SHALL BE INSTALLED UNDERGROUND IN ACCORDANCE WITH THE NIBLEY CITY STANDARDS AND SPECIFICATIONS.
- 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.
- 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:

- CIVIL ENGINEER:**
JOSEPH DAY
498 WEST 100 SOUTH
PROVIDENCE, UT 84332
JDAY@CIVILSOLUTIONSGROUP.NET
P. 801.624.0588
- SURVEYOR:**
CURTIS BOWN
498 WEST 100 SOUTH
PROVIDENCE, UT 84332
CBOWN@CIVILSOLUTIONSGROUP.NET
P. 435.720.3761
- NIBLEY CITY ENGINEER:**
TOM DICKINSON
455 WEST 3200 SOUTH
NIBLEY, UT 84321
TOMD@NIBLEYCITY.GOV
P. 435.757.9848
- NIBLEY PUBLIC WORKS DIRECTOR:**
STEPHEN ELIASON
455 WEST 3200 SOUTH
NIBLEY, UT 84321
STEVEE@NIBLEYCITY.GOV
P. 435.770.0727
- HYRUM CITY FIRE DEPARTMENT:**
40 N 100 W
HYRUM, UT 84319
P. 435.245.7654
- 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:

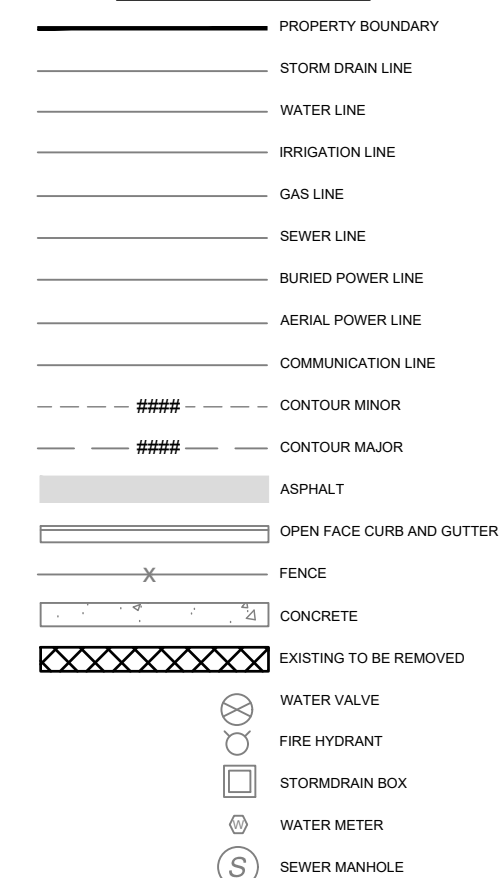
- NIBLEY CITY CORPORATION DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
- NIBLEY CITY CORPORATION DEPARTMENT OF PUBLIC WORKS STANDARD CONSTRUCTION DRAWINGS.
- STORM WATER SPECIFICATIONS ARE PER THE EPA NATIONAL MENU OF STORMWATER BEST MANAGEMENT PRACTICES UNDER THE NATIONAL POLLUTANT DISCHARGE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

NIBLEY CITY ENGINEERING DEPARTMENT APPROVAL:

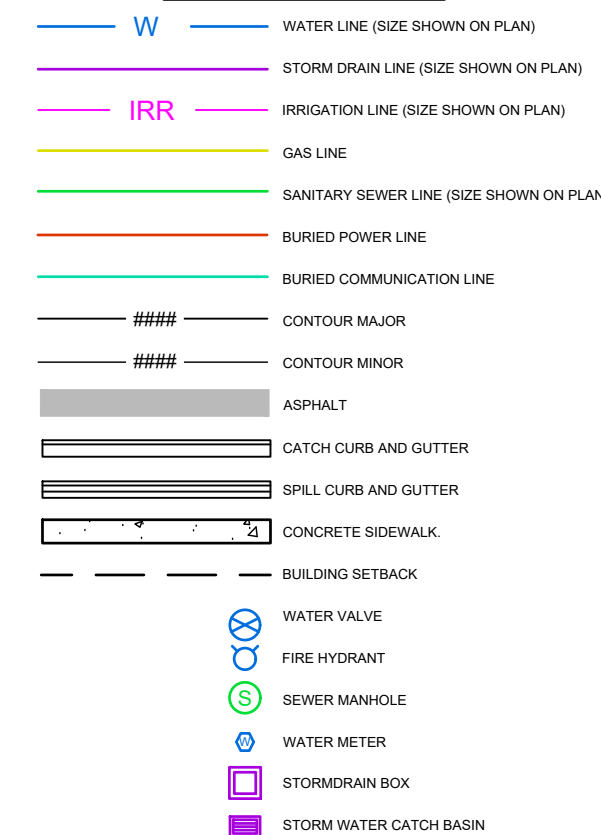
THE IMPROVEMENT FOR THIS SUBDIVISION HAVE BEEN REVIEWED BY THE CITY ENGINEER FOR GENERAL CONFORMANCE WITH THE REQUIREMENTS OF THE CITY SUBDIVISION ORDINANCE. THIS SET OF CITY-APPROVED DRAWINGS SHALL BE USED FOR CONSTRUCTION OF THE REQUIRED SUBDIVISION IMPROVEMENTS. THE DEVELOPER'S ENGINEER, WHOSE STAMP 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



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

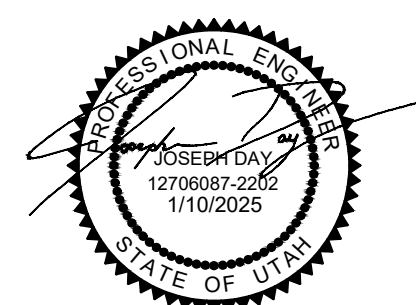
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1300 WEST HALF ROAD
3310 SOUTH TO 3390 SOUTH
NIBLEY, UTAH 84321

MARK	DATE	DESCRIPTION

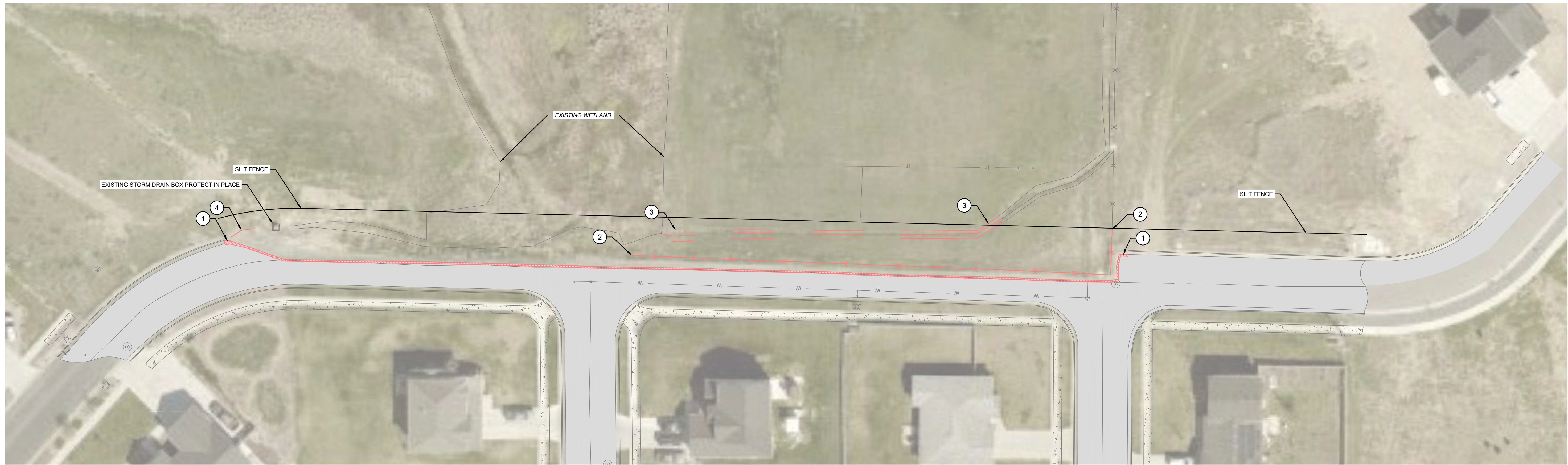
PROJECT #: 24-205
DRAWN BY: D. FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 1/10/2025



COVER &
LEGEND

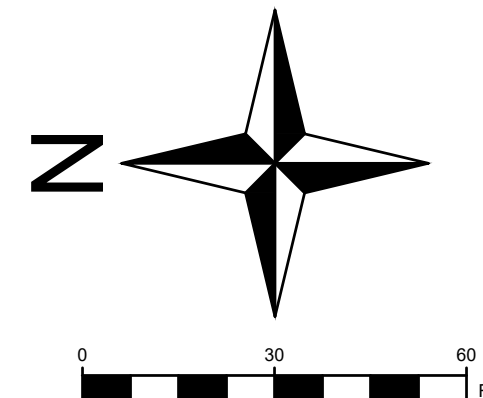
C001

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- 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.



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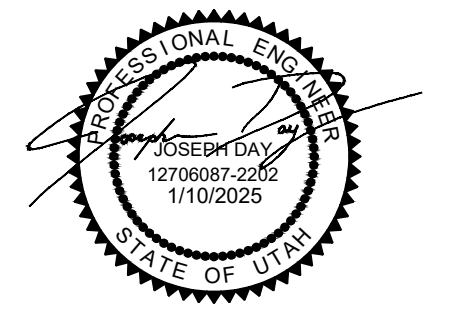
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 SALT LAKE | P: 801.216.3192
 UTAH VALLEY | P: 801.874.1432
 info@civilsolutionsgroup.net
 www.civilsolutionsgroup.net

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

MARK	DATE	DESCRIPTION

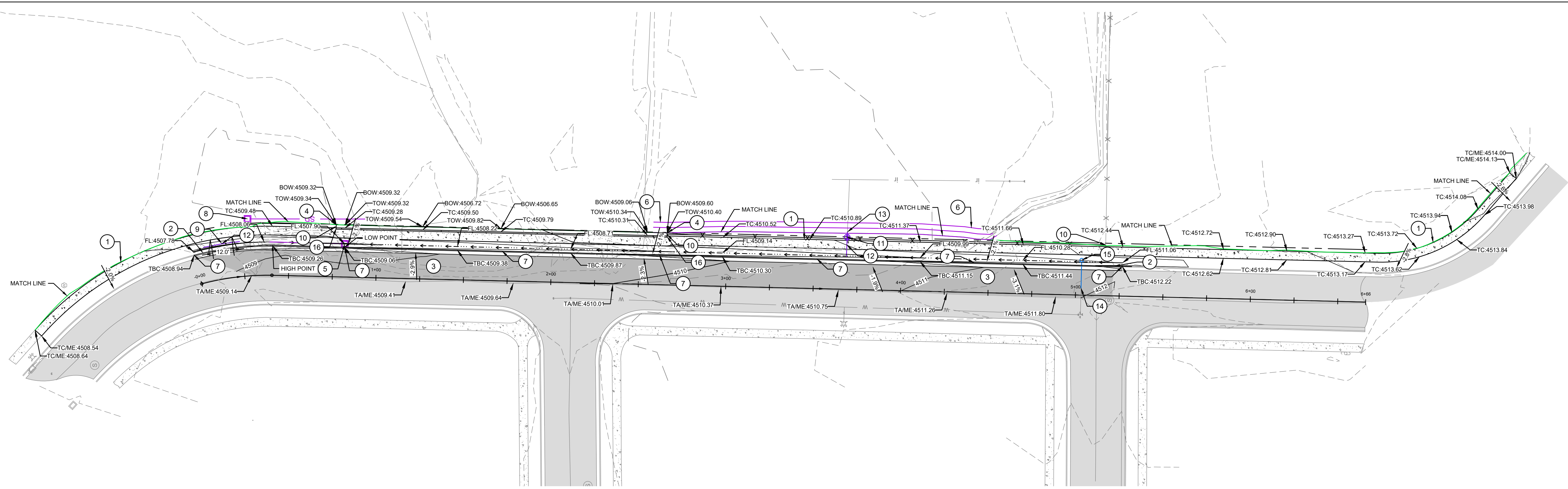
PROJECT #: 24-205
 DRAWN BY: D. FALSLEV
 PROJECT MANAGER: J. DAY
 ISSUED: 1/10/2025



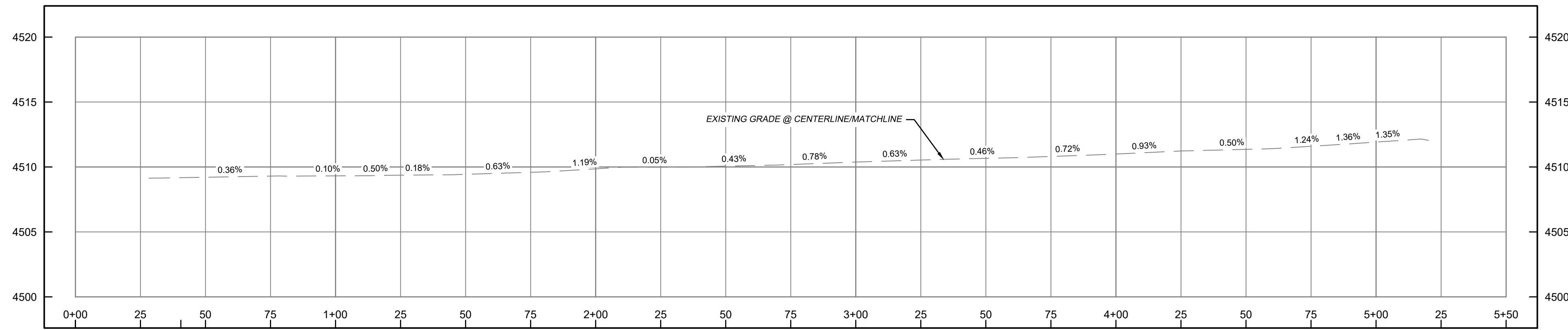
DEMOLITION PLAN

C101

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1300 WEST CENTERLINE PROFILE



GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND CONTACT ENGINEER IF DIFFERENT FROM LOCATIONS DISPLAYED ON THESE PLANS.
2. ALL STORM DRAIN LINES SHALL BE INSTALLED PER UTILITY TRENCHING DETAIL FOUND IN STANDARD DRAWING 08 ON SHEET C-501.
3. CONTRACTOR SHALL NOT EXCAVATE ROAD SIDE SWALES UNTIL ALL UTILITIES HAVE BEEN INSTALLED.
4. CONTRACTOR TO INSTALL STREET TREE IRRIGATION SYSTEM. CONTRACTOR TO COORDINATE IRRIGATION SYSTEM WITH NIBLEY CITY.
- 4.1. VALVE: HUNTER IC2-101 LF-40
- 4.2. POINT-SOURCE EMITTERS: HUNTER HEB-20-CV 1/2" THREADED (BLACK)
- 4.3. CONTROLLER: HUNTER NODE 100
- 4.4. VALVE BOX: CARSON JUMBO VALVE BOX (BROWN)
5. CONTRACTOR TO PLANT STREET TREES CENTERED IN PARK STRIP SPACED 40' APART. CONTRACTOR TO INSTALL ROCK IN PARKSTRIP.
 - 5.1. TREES TO BE 2" CALIPER
 - 5.2. 4"X8" THICK MULCH AROUND EACH TREE BASE
 - 5.3. 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:
 1. 5" CONCRETE SIDEWALK (6/C501)
 2. 30" CATCH CURB & GUTTER (1/C501)
 3. STANDARD DUTY ASPHALT PAVEMENT (3/C501)
 4. "KEYSTONE COMPACT" GRAVITY RETAINING WALL (7/C501)
 5. 3' X 3' STORMWATER CATCH BASIN (4/C501). SEE STORMWATER PLAN FOR ELEVATIONS
 6. EARTHEN DITCH (5/C501)
 7. CURB CUT SCUMPER (2/C501). PLACE EVERY 90' FROM THE LOW POINT
 8. 4' X 4' STORMWATER CATCH BASIN (4/C501). SEE STORMWATER PLAN FOR ELEVATIONS
 9. FLARED DRIVEWAY APPROACH (9/C501)
 10. REINSTALL FENCE LINE 1" FROM BACK OF SIDEWALK
 11. 2" GATE VALVE
 12. 2 - 2" IRRIGATION SLEEVES
 13. CONNECT TO EXISTING LANDSCAPE IRRIGATION SYSTEM. CONTRACTOR TO FIELD VERIFY LOCATION AND NOTIFY ENGINEER
 14. CONNECT TO EXISTING 8" WATER LINE CONNECTION
 15. FIRE HYDRANT (10/C501)
 16. CURB WALL & GUARD RAIL (1/C502 & 2/C502)

BID OPTION 1 GENERAL NOTES:

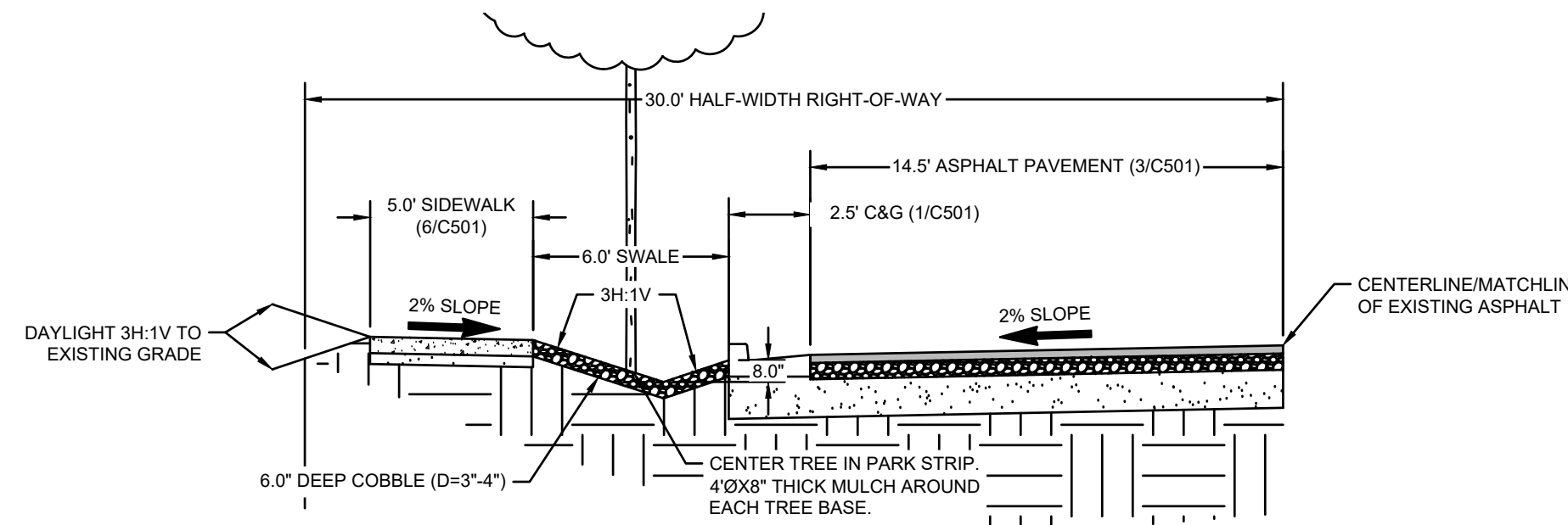
1. INSTALL 150 LF OF 2" STREET LIGHTING CONDUIT FROM EXISTING STREET LIGHT AT 3390 SOUTH 1300 WEST INTERSECTION TO INTERSECTION OF 3350 SOUTH 1300 WEST FOR PROPOSED STREET LIGHT. CONDUIT TO MEET ROCKY MOUNTAIN POWER REQUIREMENTS.

GRADING GENERAL NOTES:

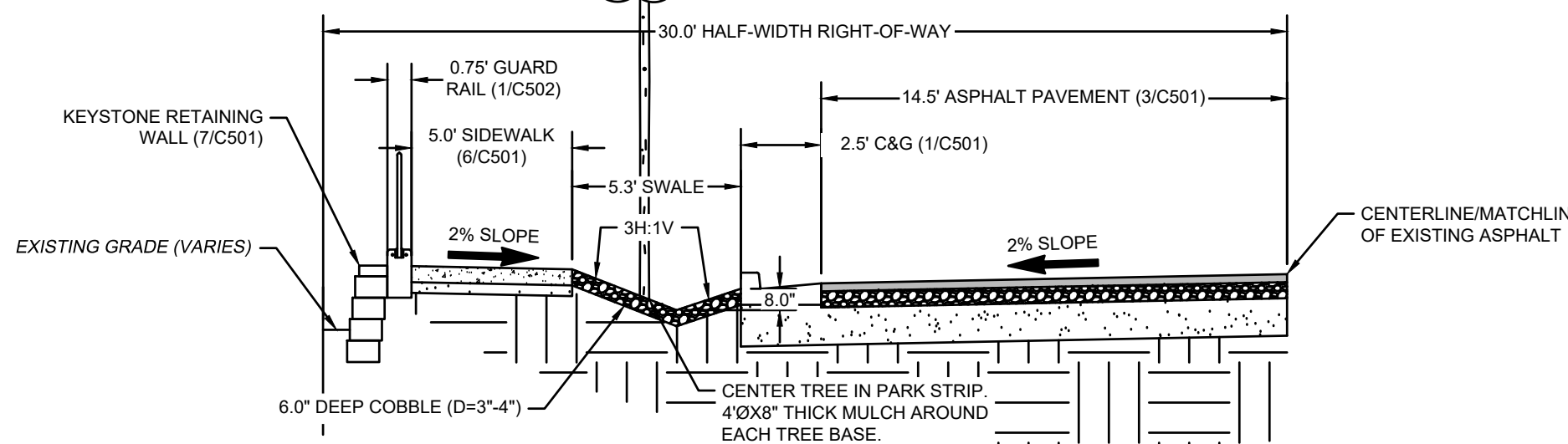
1. ALL TBC CALLOUTS ARE AT FULL HEIGHT AT BACK OF CURB.
2. MAINTAIN A MINIMUM OF 0.5% LONGITUDINAL SLOPE IN ALL GUTTERS.
3. MAINTAIN A MAXIMUM OF 2.0% CROSS-SLOPE ON ALL SIDEWALKS.

GRADING LEGEND:

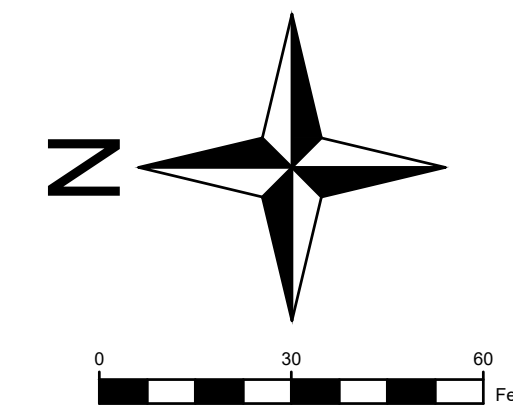
- FG = FINISHED GRADE
- EG = EXISTING GRADE
- ME = MATCH EXISTING
- TA = TOP OF ASPHALT
- TC = TOP OF CONCRETE
- TBC = TOP BACK OF CURB
- FL = FLOW LINE



1300 WEST HALF-WIDTH RIGHT-OF-WAY
SCALE: 1"=5' (STATION: 0+00.00 TO 0+76.58, 2+65.75 TO 5+26.43)

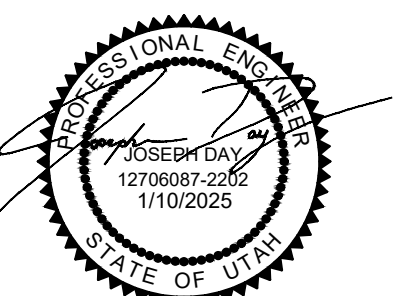


1300 WEST HALF-WIDTH RIGHT-OF-WAY
SCALE: 1"=5' (STATION: 0+76.58 TO 2+65.75)



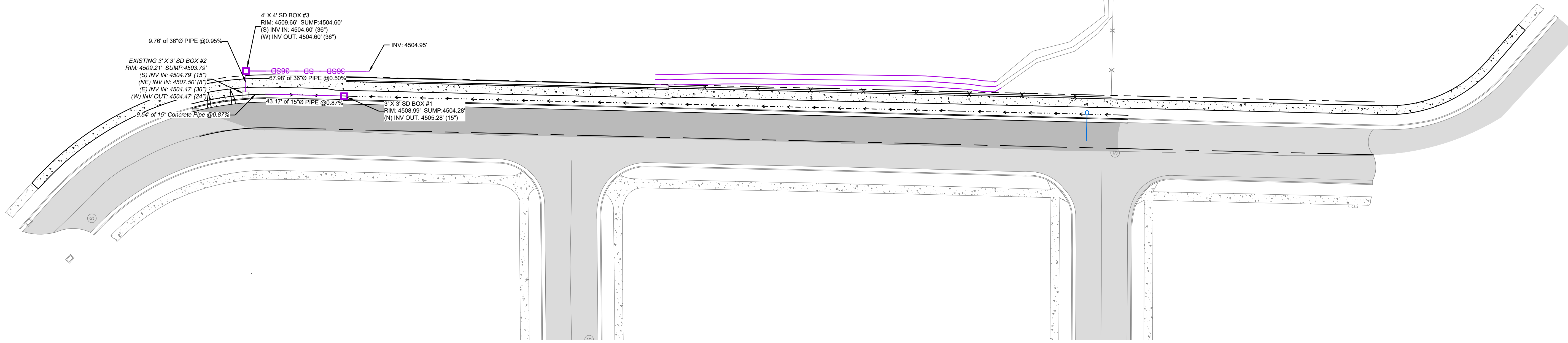
MARK	DATE	DESCRIPTION

PROJECT #: 24-205
 DRAWN BY: D. FALSLEV
 PROJECT MANAGER: J. DAY
 ISSUED: 1/10/2025



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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
Total Area:	16,093	0.37	92	

Pre Development (Pasture, grassland, or range; good):

16,093 0.37 75

90th-Percentile Storm Volume (0.6-inches):

805 cu-ft

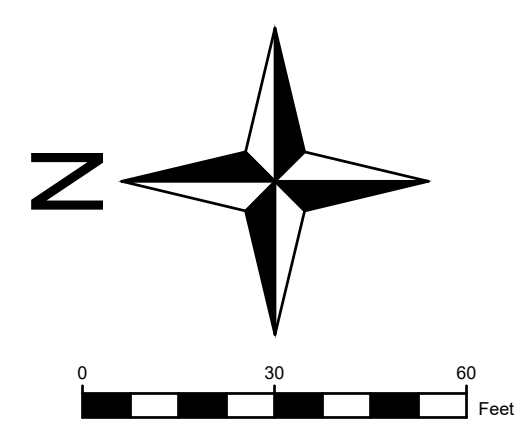
Initial Abstraction for pre dev		0.18 inches		
Precipitation (10 Yr) 24 hour storm	2.04	inches		
Precipitation (25 Yr) 24 hour storm	2.41	inches		
Precipitation (100 Yr) 24 hour storm	3.02	inches		
Direct Runoff (10 Yr) for pre dev (10 Yr)	1.25	total runoff depth		
Direct Runoff (25 Yr) for pre dev (25 Yr)	1.58	total runoff depth		
Direct Runoff (100 Yr) for pre dev (100 Yr)	2.15	total runoff depth		
Direct Runoff (10 Yr) for pre dev (10 Yr)	0.40	total runoff depth		
Direct Runoff (25 Yr) for pre dev (25 Yr)	0.60	total runoff depth		
Direct Runoff (100 Yr) for pre dev (100 Yr)	0.97	total runoff depth		

Post Development	10-Year Direct Runoff	25-Year Direct Runoff	100-Year Direct Runoff
Pre-Development	10-Year Direct Runoff	25-Year Direct Runoff	100-Year Direct Runoff
0.04 acre-ft	0.01 acre-ft	0.02 acre-ft	0.03 acre-ft
1,671 ft ³	537 ft ³	803 ft ³	1,306 ft ³
2,120 ft ³			
2,881 ft ³			

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



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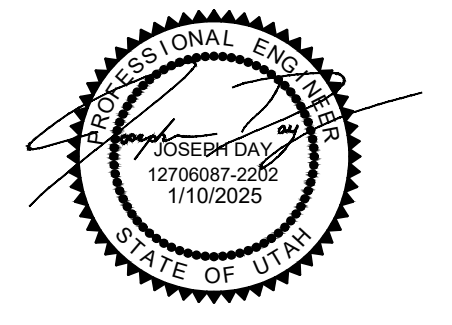
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1300 WEST HALF ROAD
 3310 SOUTH TO 3390 SOUTH
 NIBLEY, UTAH 84321

MARK	DATE	DESCRIPTION

PROJECT #: 24-205
 DRAWN BY: D. FALSLEV
 PROJECT MANAGER: J. DAY
 ISSUED: 1/10/2025



STORMWATER PLAN
 C301

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1. GENERAL

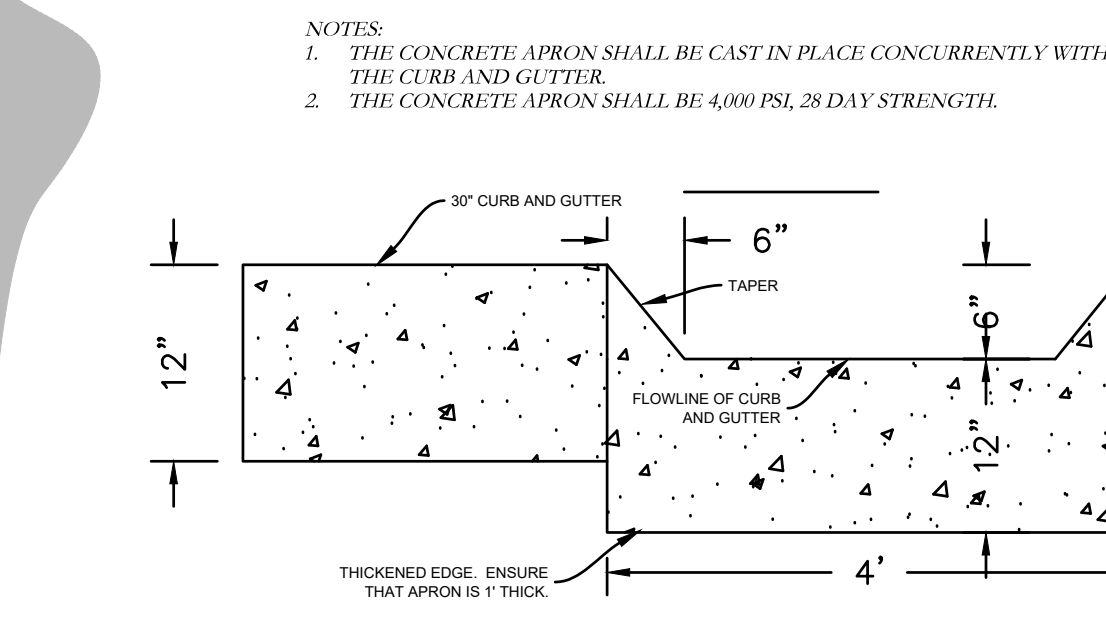
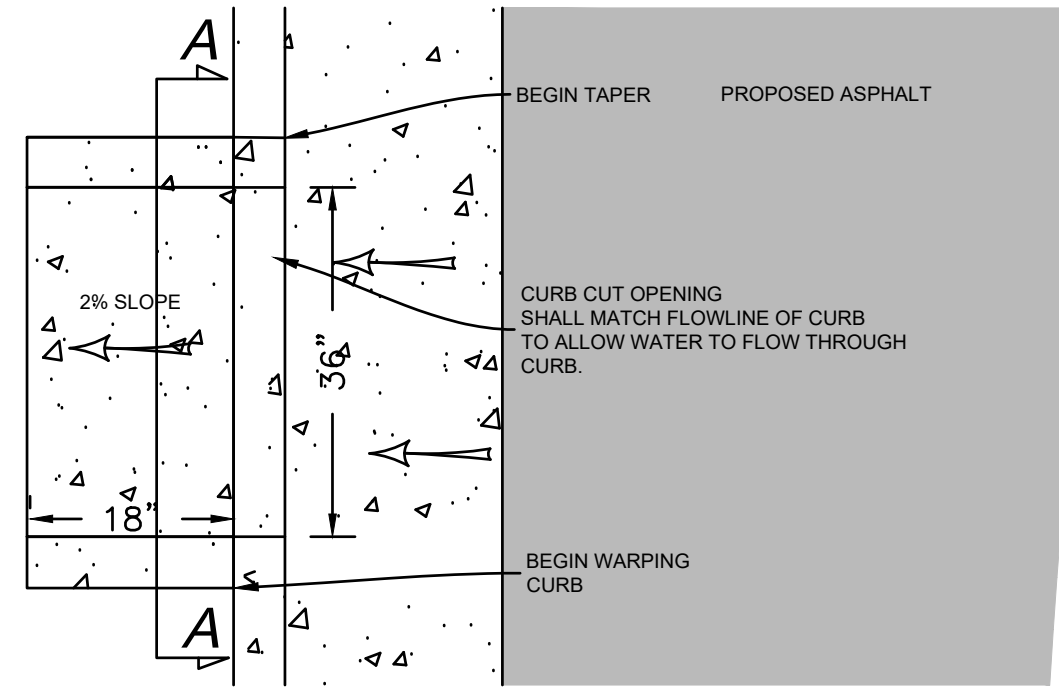
- A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER'S discretion.
- B. Additional requirements are specified in APWA Section 32 16 13.

2. PRODUCTS

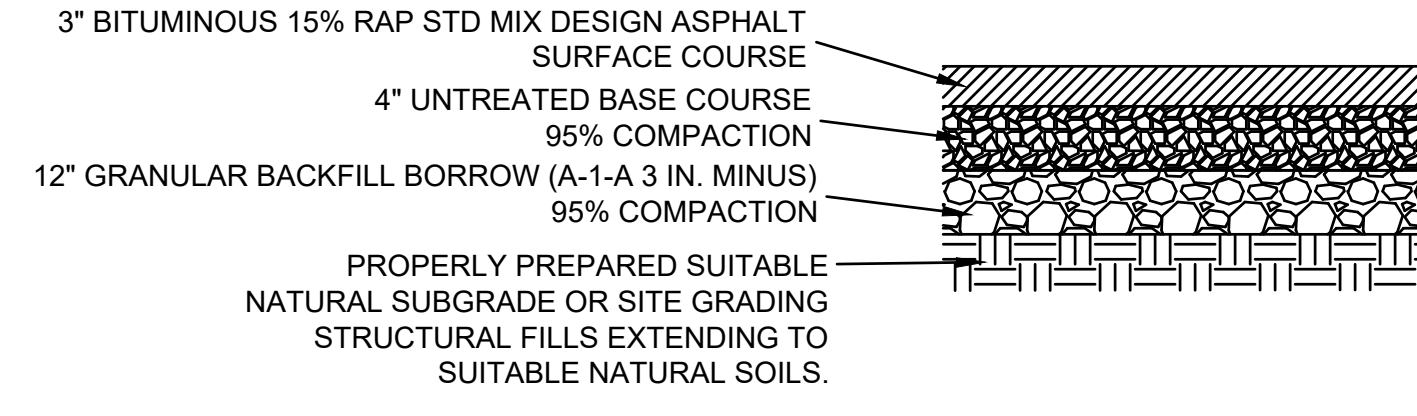
- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.
- B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.
- C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that 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.

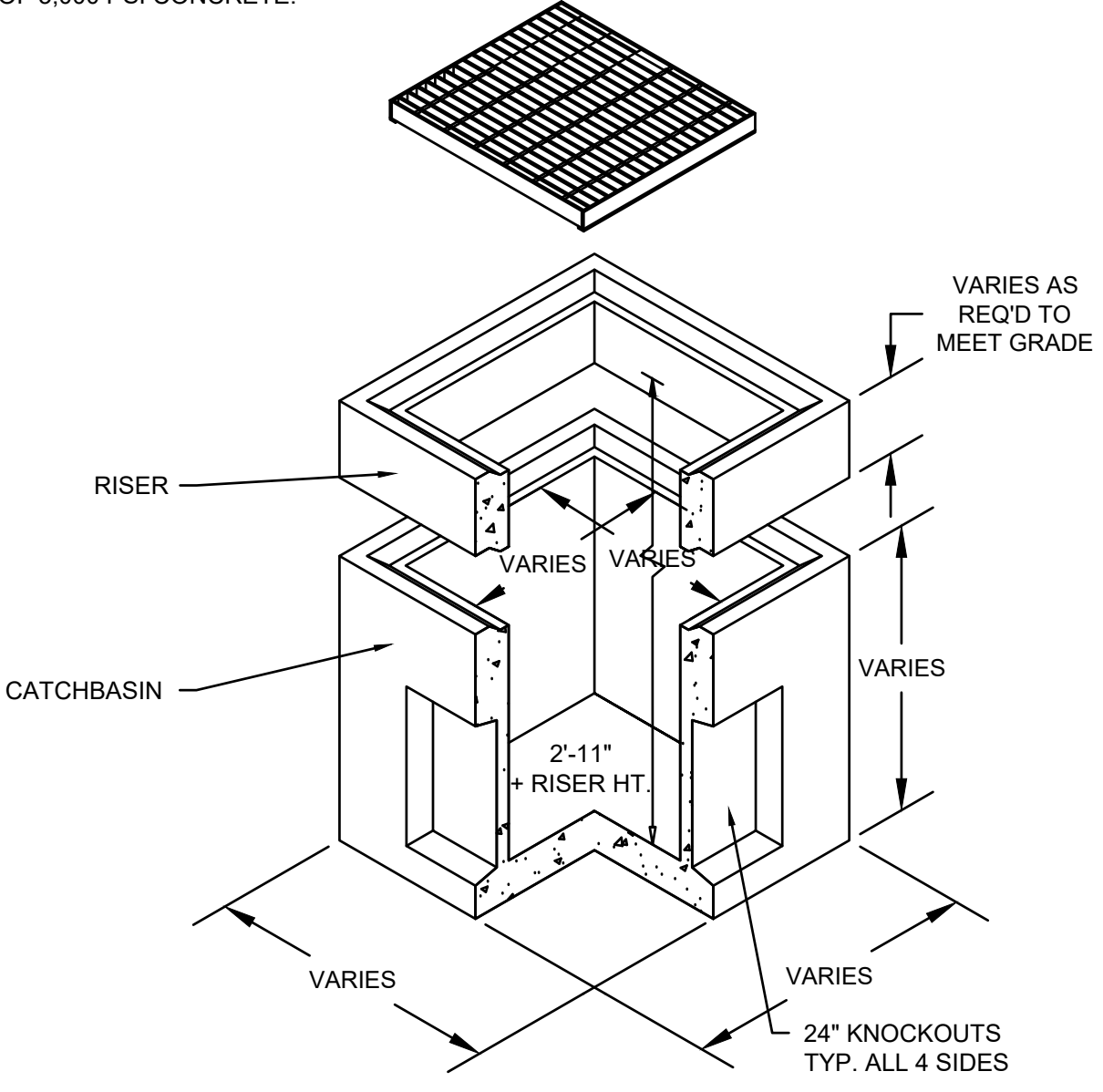


2 CURB CUT SCUPPER
C501
NOT TO SCALE

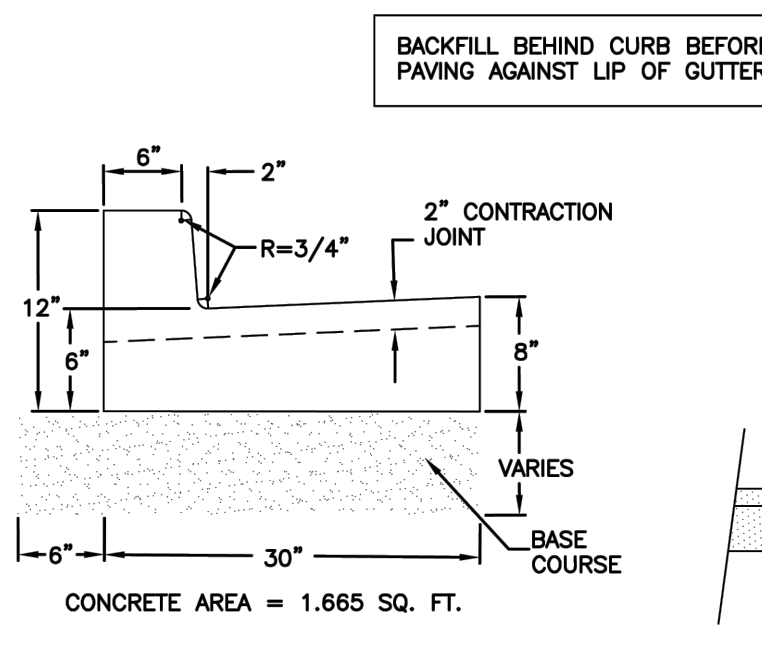


3 STANDARD DUTY ASPHALT PAVEMENT
C501
NOT TO SCALE

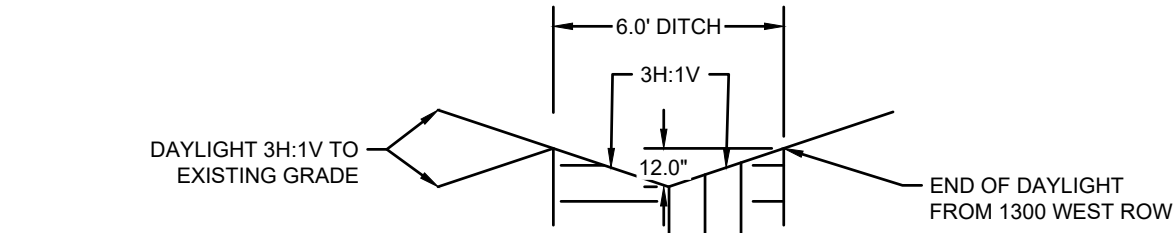
NOTE:
1. CATCH BASINS AND GRATE SHALL MEET ASTM C858 WITH AASHTO HS-20 LOADING.
2. OPENINGS MAY BE LOCATED AS REQUIRED.
3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.



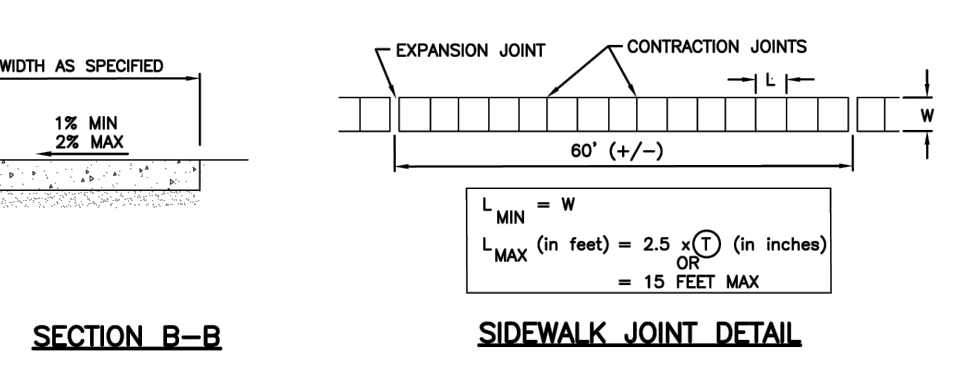
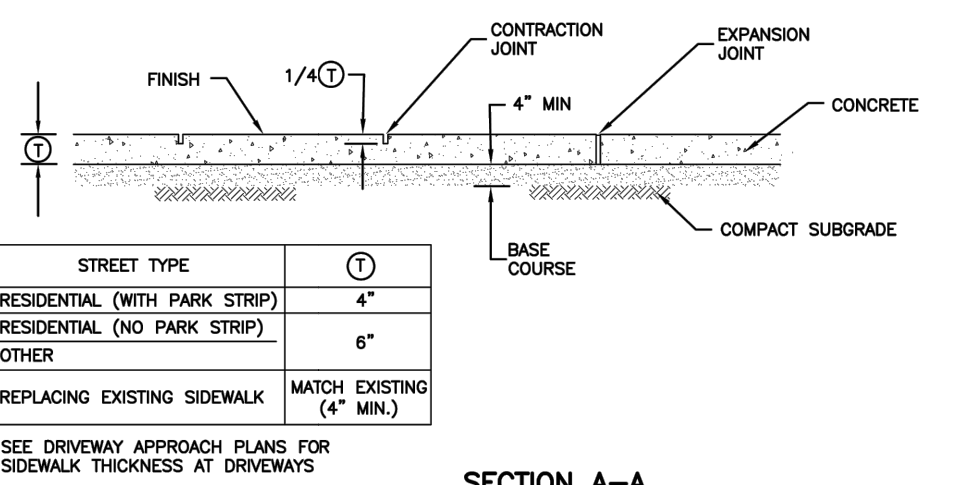
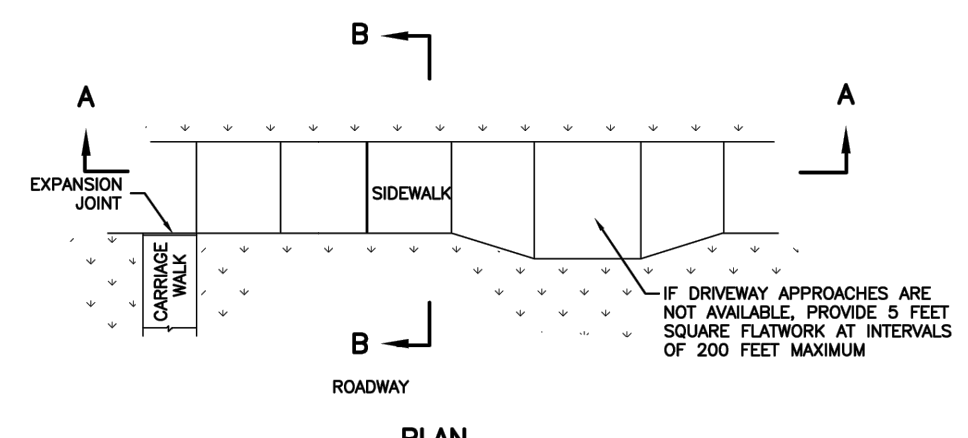
4 STORMWATER CATCH BASIN
C501
NOT TO SCALE



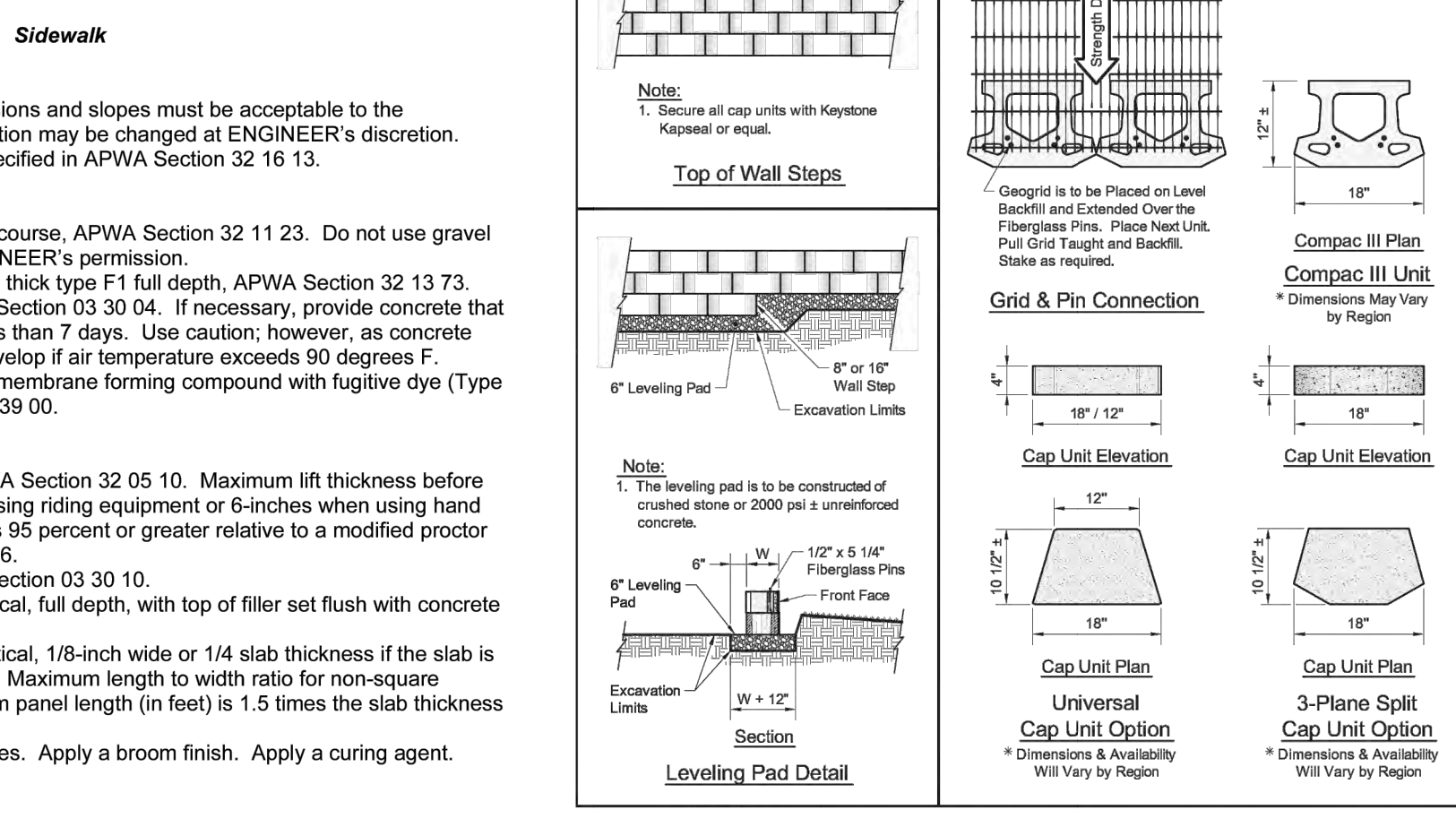
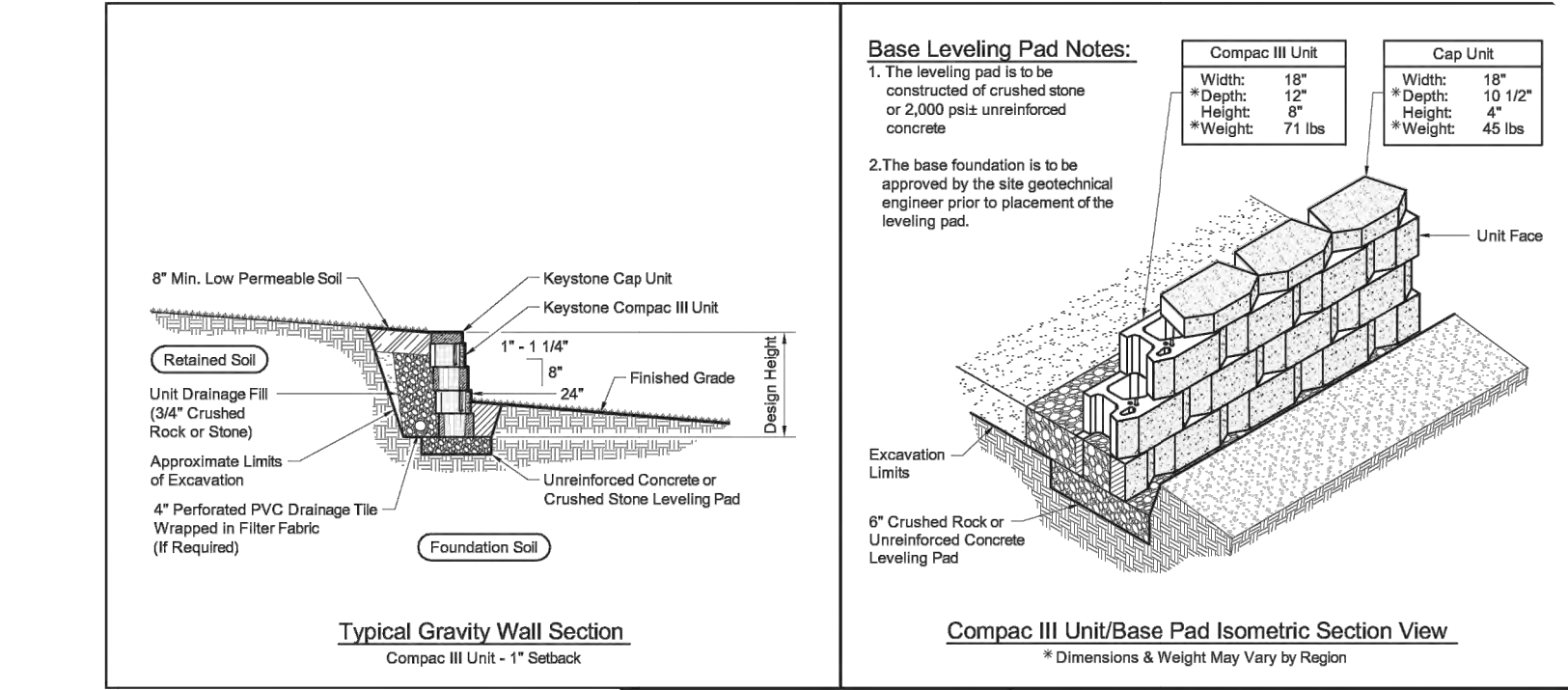
1 30" CATCH CURB & GUTTER
C501
NOT TO SCALE



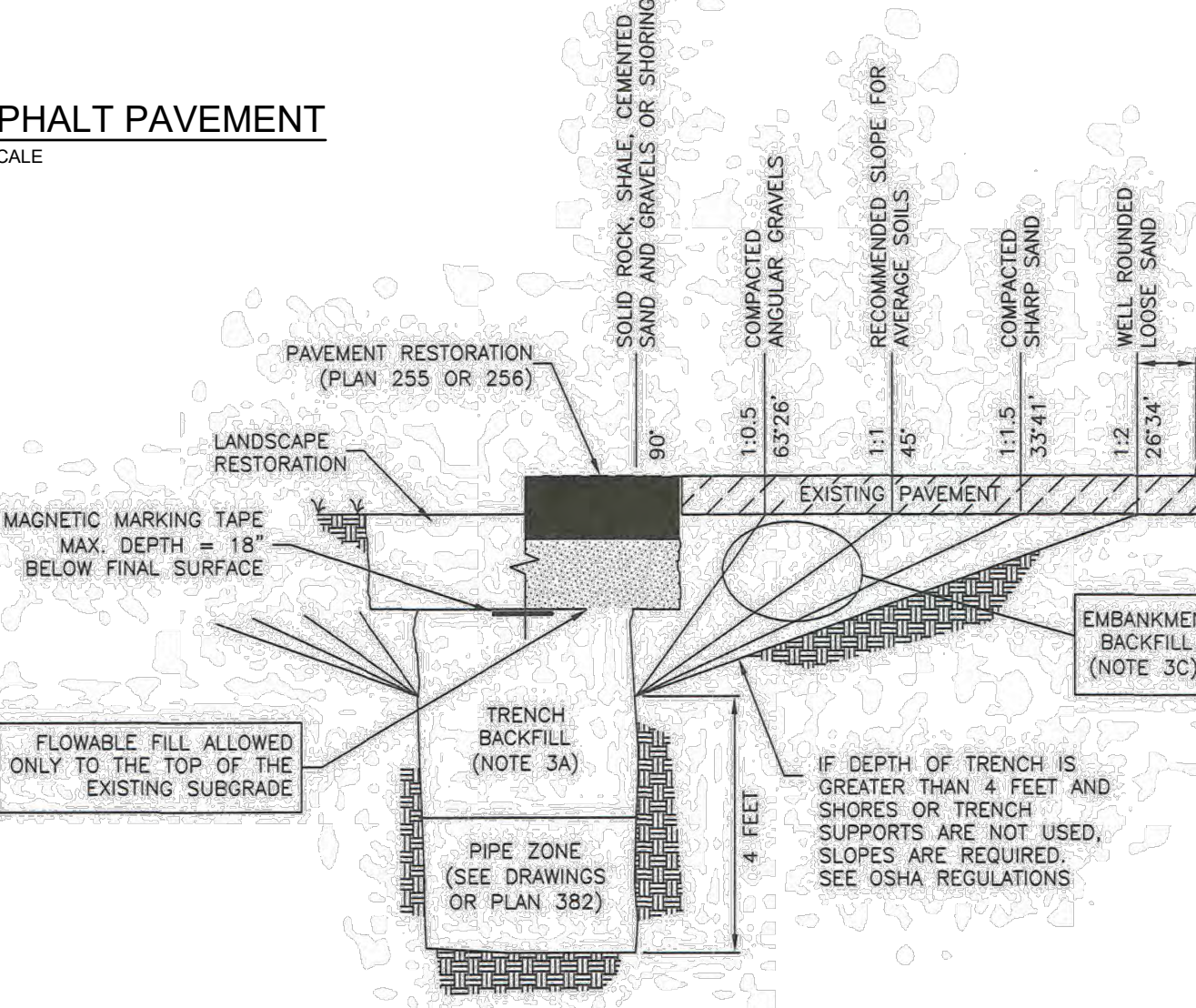
5 EARTHEN DITCH
C501
NOT TO SCALE



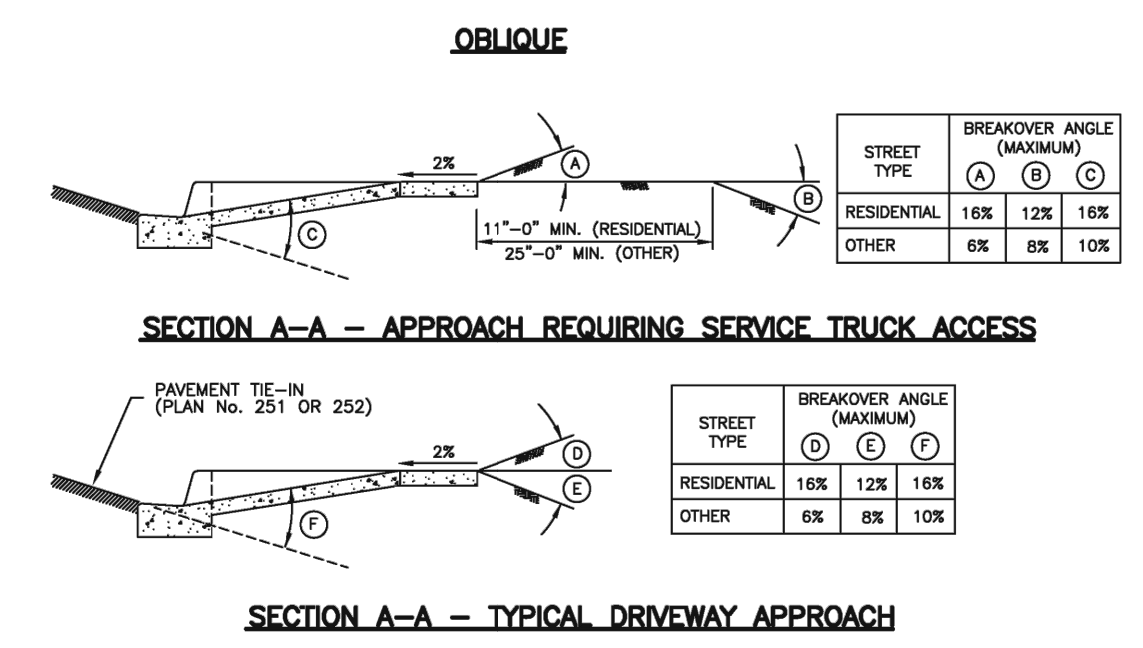
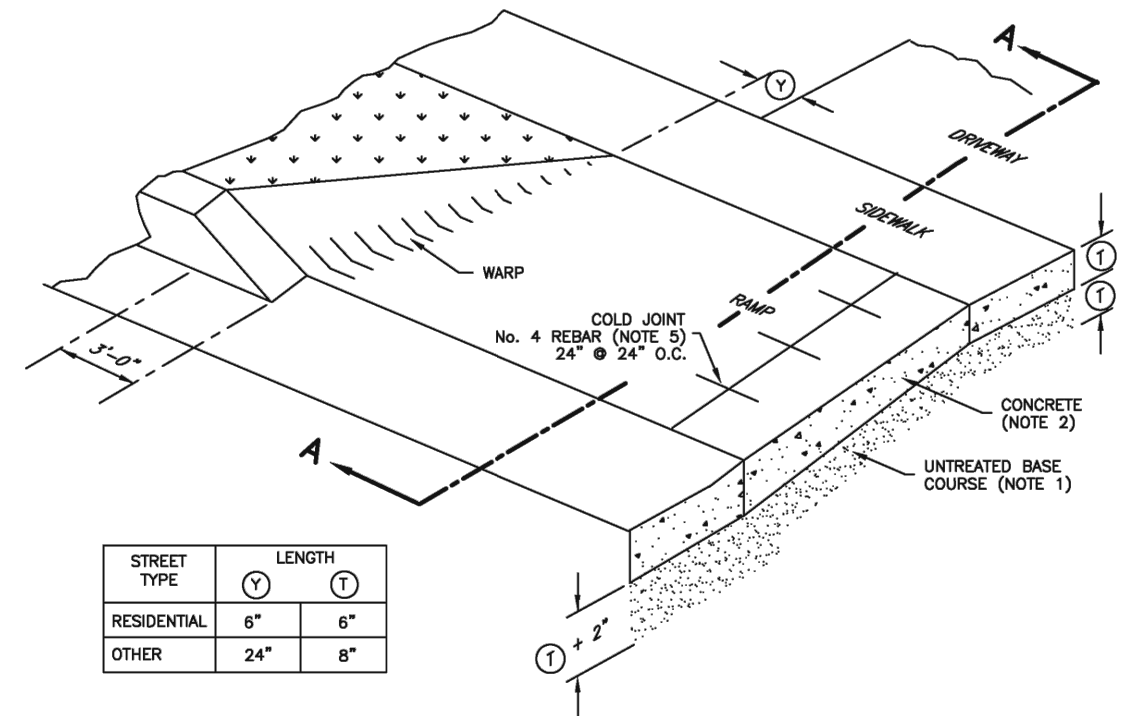
6 CONCRETE SIDEWALK
C501
NOT TO SCALE



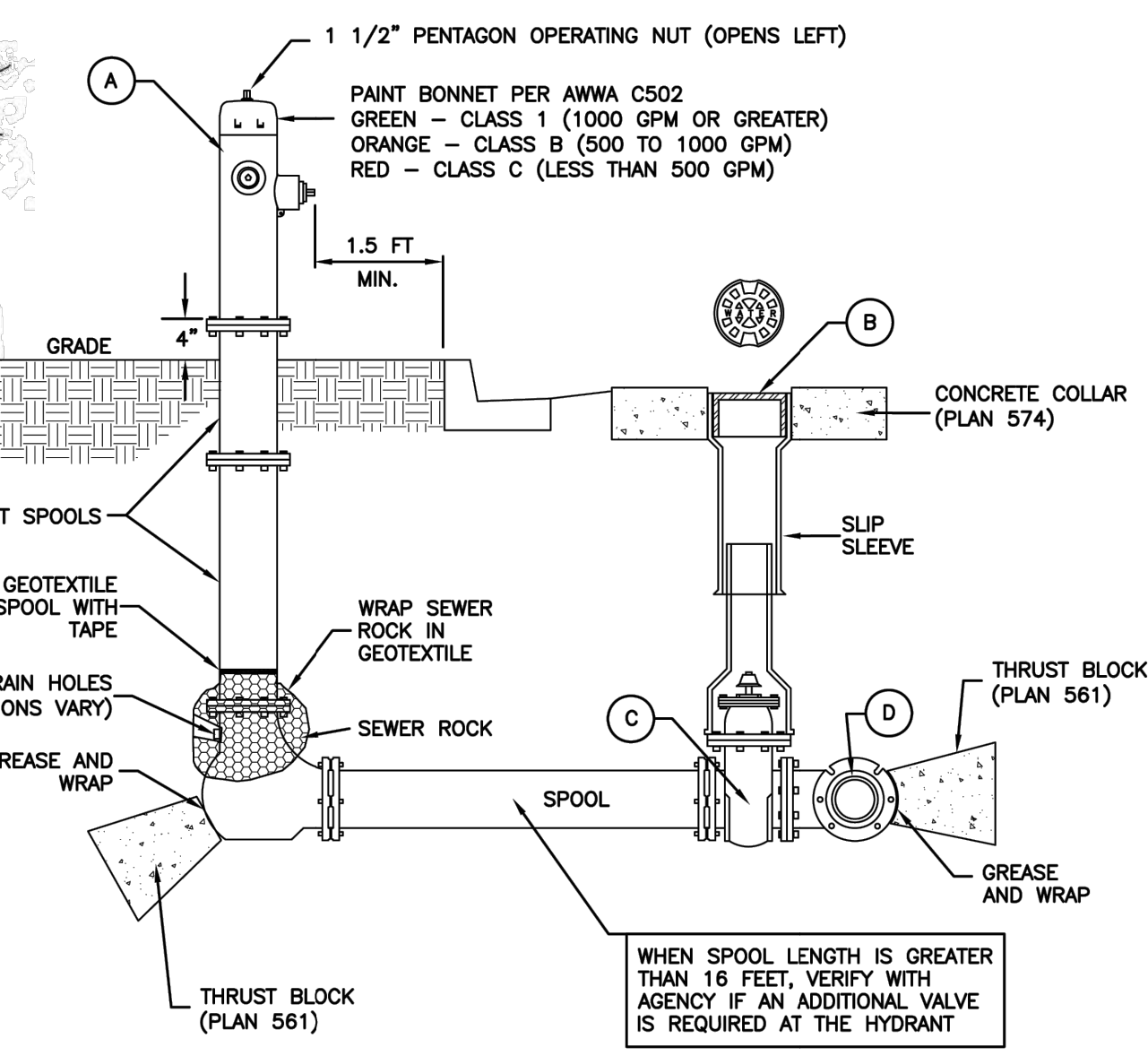
7 KEYSTONE COMPAC GRAVITY RETAINING WALL
C501
NOT TO SCALE



8 PIPE TRENCHING
C501
NOT TO SCALE



9 FLARED DRIVEWAY APPROACH
C501
NOT TO SCALE



LEGEND

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

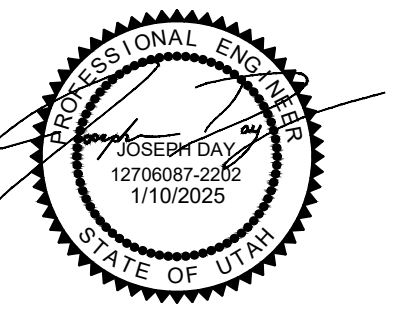
10 FIRE HYDRANT
C501
NOT TO SCALE

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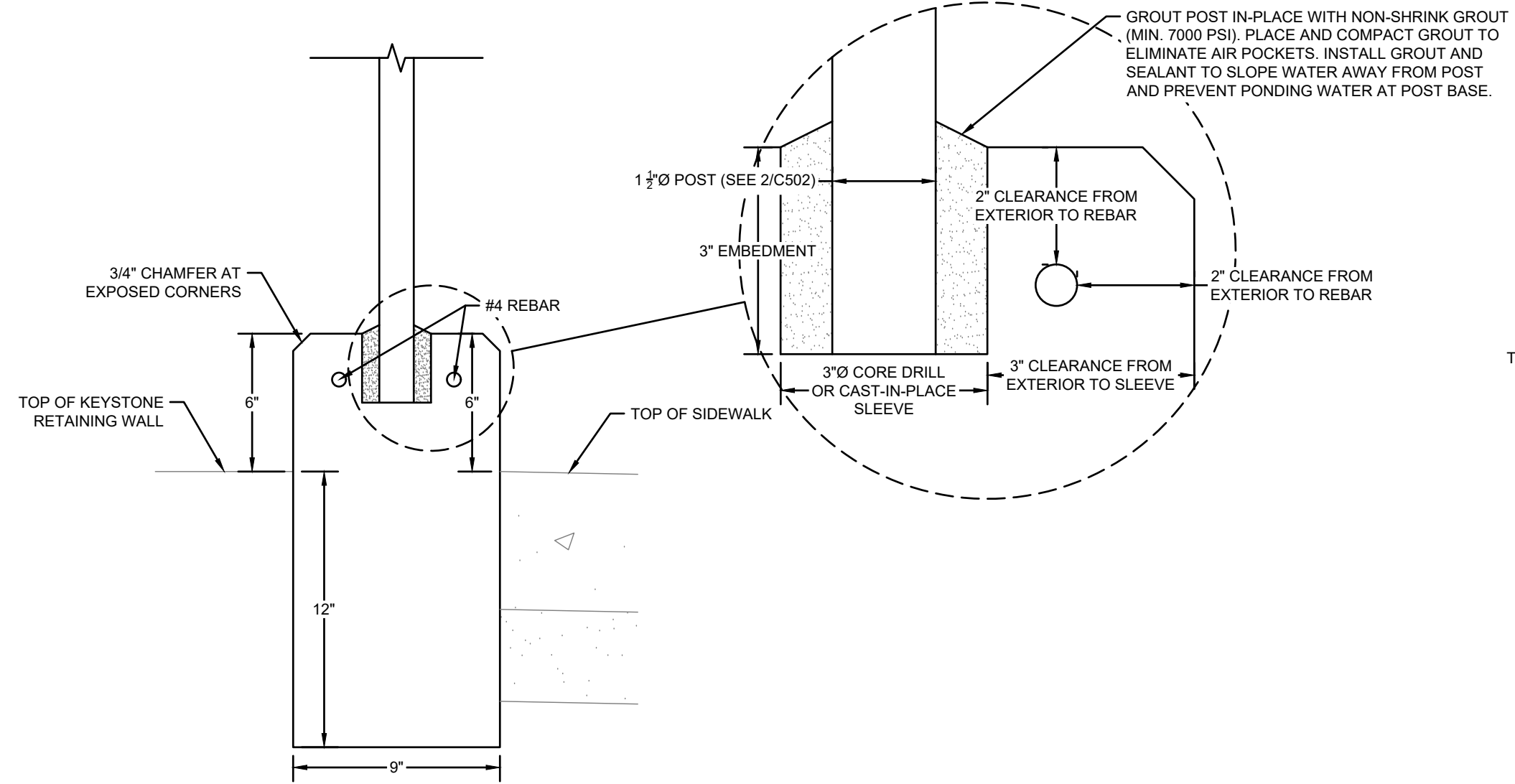
PROJECT #: 24-205
DRAWN BY: D. FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 1/10/2025



DETAILS

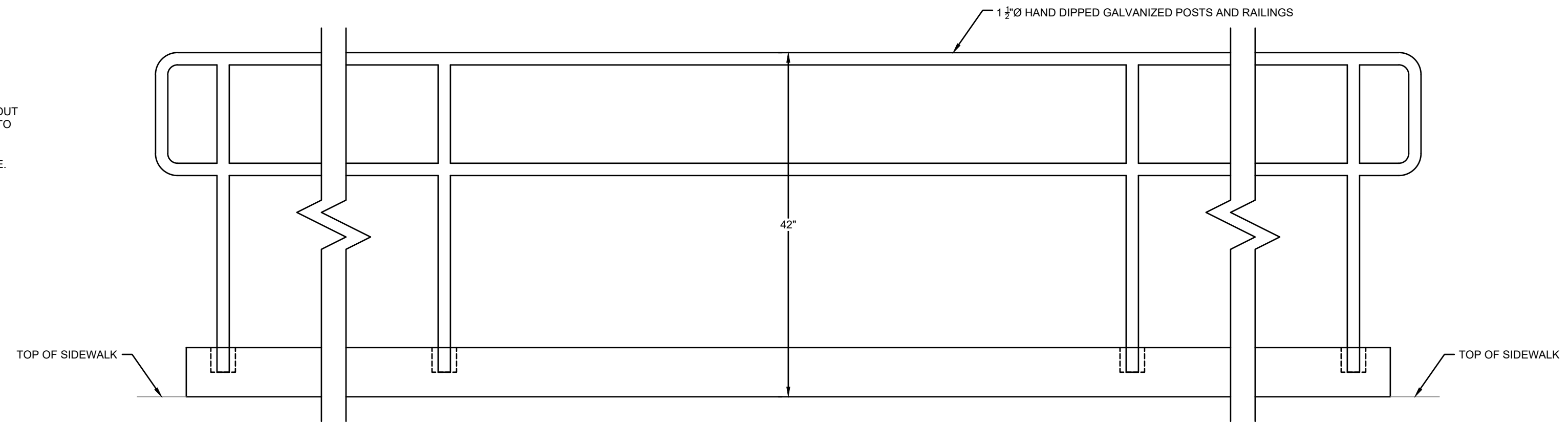
C501

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.

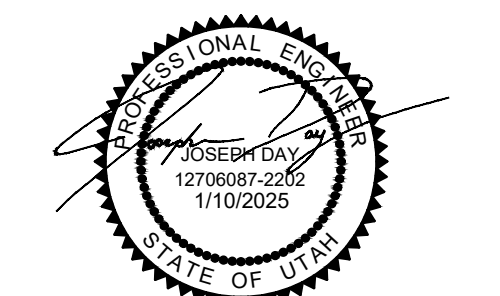
CACHE VALLEY | P: 435.213.3762
SALT LAKE | P: 801.216.3192
UTAH VALLEY | P: 801.874.1432
info@civilsolutionsgroup.net
www.civilsolutionsgroup.net

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

MARK	DATE	DESCRIPTION

PROJECT #: 24-205
DRAWN BY: D. FALSLEV
PROJECT MANAGER: J. DAY
ISSUED: 1/10/2025

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DETAILS

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