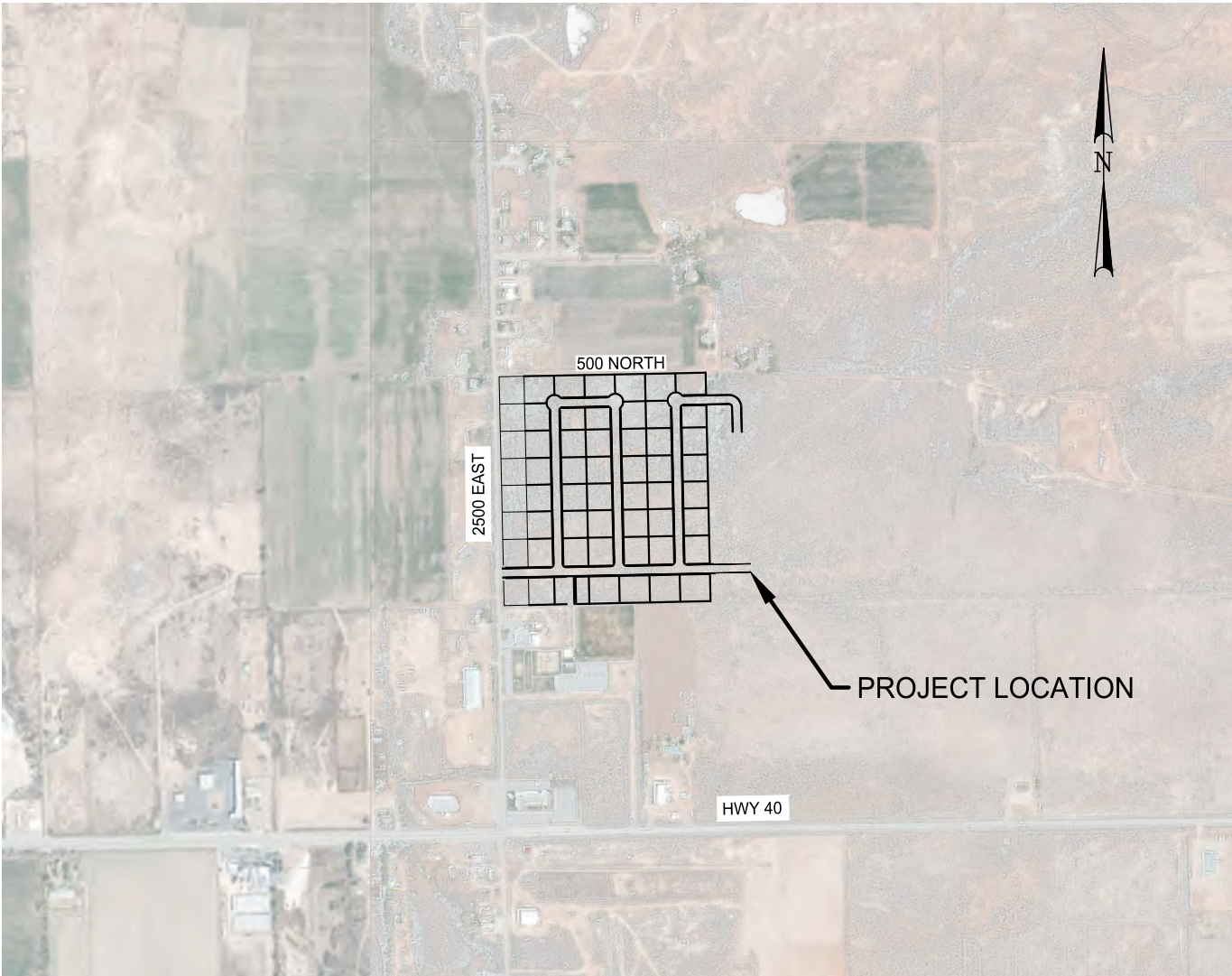
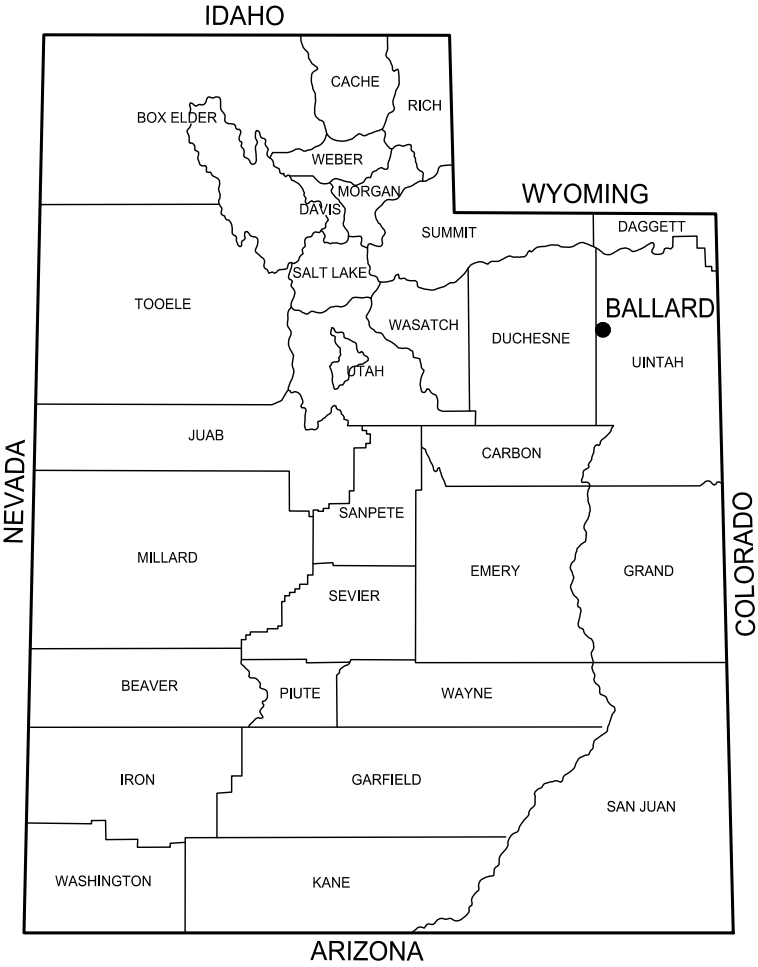


KATIE ENTERPRISES, LLC
THE RANCHES SUBDIVISION - PHASE 3+
BALLARD, UTAH
2024

PROJECT NO.	SHEET NO.
2203-046	C-001
SUBMITTAL: REVIEW - NOT FOR CONSTRUCTION	



SCALE: 1" = 1000'

VICINITY MAP

APPROVAL

RECOMMENDED FOR APPROVAL:



ENGINEER

DATE

APPROVED:

KATIE ENTERPRISES, LLC

DATE

INDEX TO SHEETS

SHEET NO.	SHEET TITLE
C-001	TITLE
C-002	GENERAL NOTES
C-003	GENARAL NOTES & LEGEND
C-101	SITE & SIGNAGE PLAN
C-102 TO C-105	PLAN AND PROFILE
C-106	GRADING PLAN
SWPP-01	SWPPP PLAN
SWPP-02	SWPPP DETAILS
C-301	TYPICAL SECTION
C-501 TO C-506	DETAILS

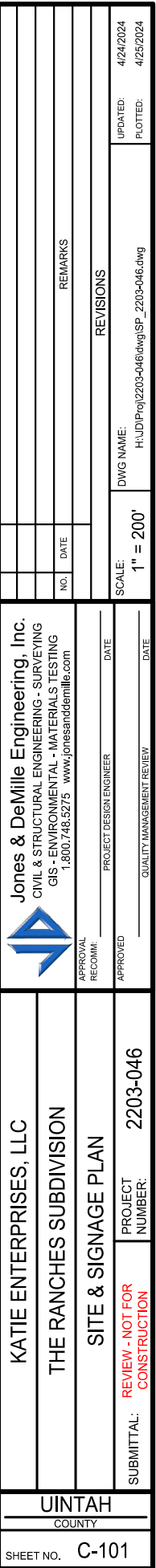


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GIS - ENVIRONMENTAL - MATERIALS TESTING

- shaping the quality of life -

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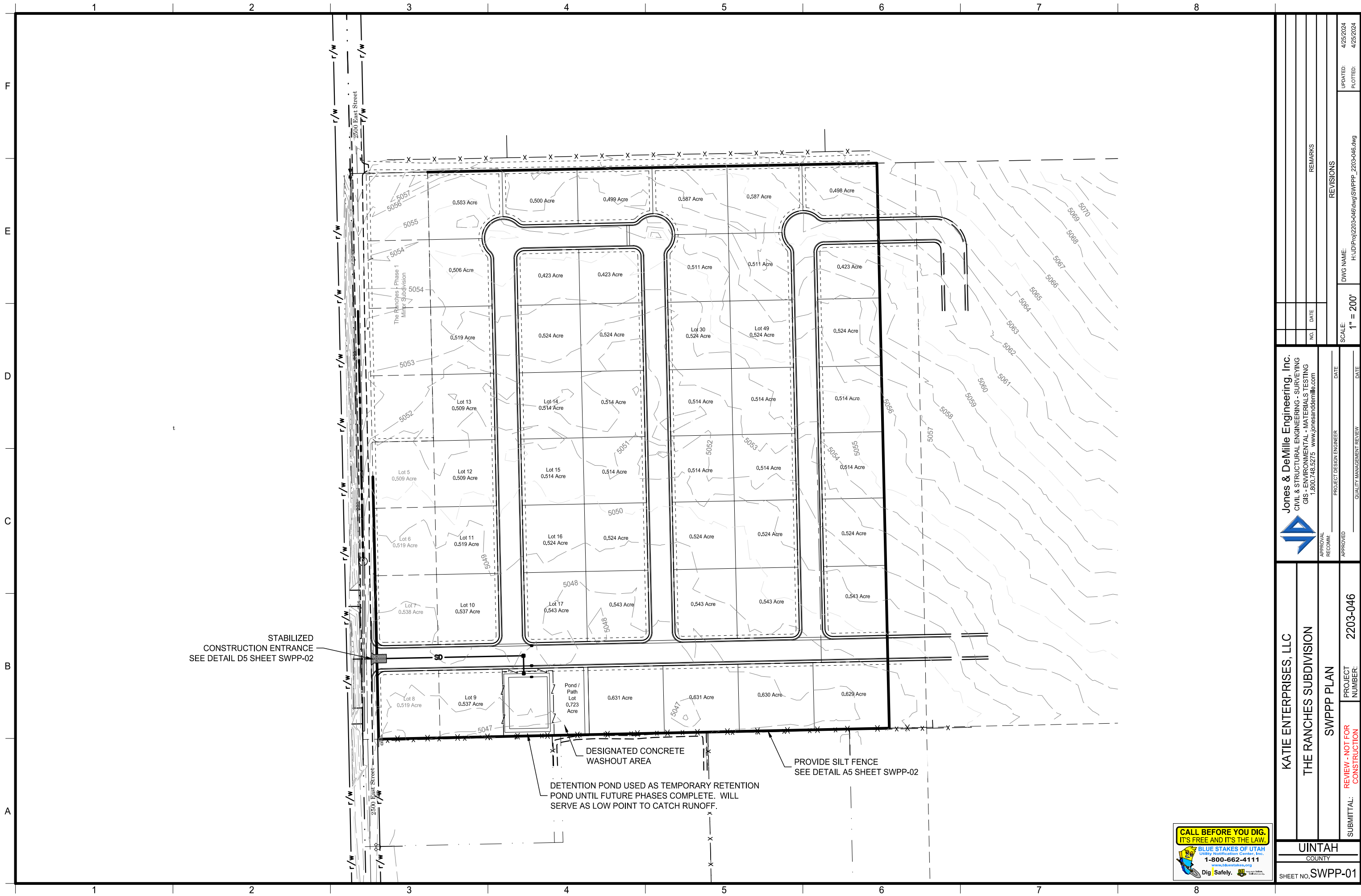


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APPROVAL	PROJECT DESIGN ENGINEER	DATE
RECOMM:		
APPROVED	QUALITY MANAGEMENT REVIEW	DATE

[illegible]

UINTAH
COUNTY
SHEET NO. C-106



STABILIZED
CONSTRUCTION ENTRANCE
SEE DETAIL D5 SHEET SWPP-02

DETENTION POND USED AS TEMPORARY RETENTION
POND UNTIL FUTURE PHASES COMPLETE. WILL
SERVE AS LOW POINT TO CATCH RUNOFF.

DESIGNATED CONCRETE
WASHOUT AREA

PROVIDE SILT FENCE
SEE DETAIL A5 SHEET SWPP-02



KATIE ENTERPRISES, LLC
THE RANCHES SUBDIVISION
SWPPP PLAN

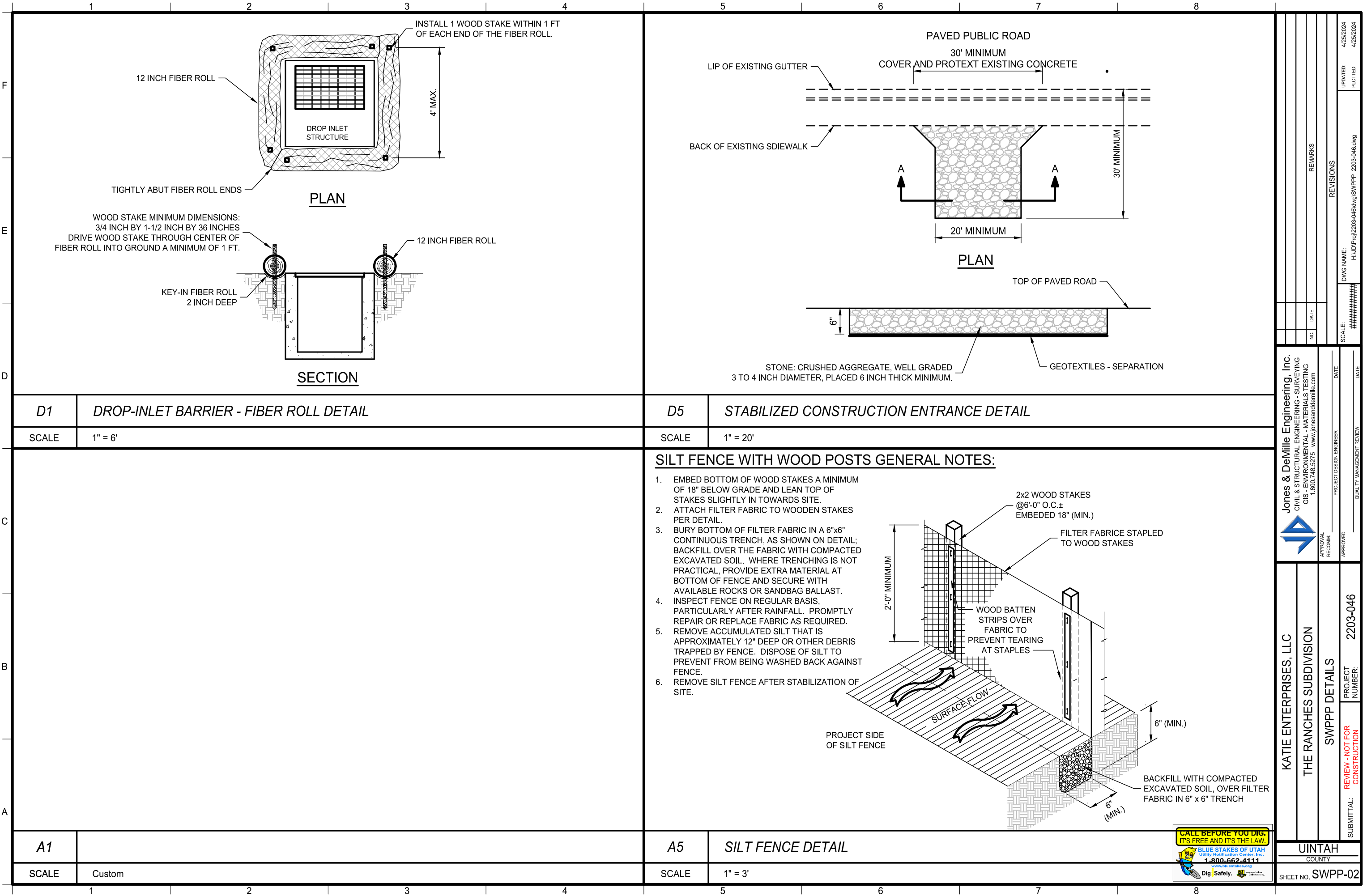
UINTAH
COUNTY
SHEET NO. SWPP-01

APPROVAL
RECOMMENDATION
PROJECT DESIGN ENGINEER
DATE
APPROVED
QUALITY MANAGEMENT REVIEW
DATE

SUBMITTAL: REVIEW - NOT FOR CONSTRUCTION
PROJECT NUMBER: 2203-046

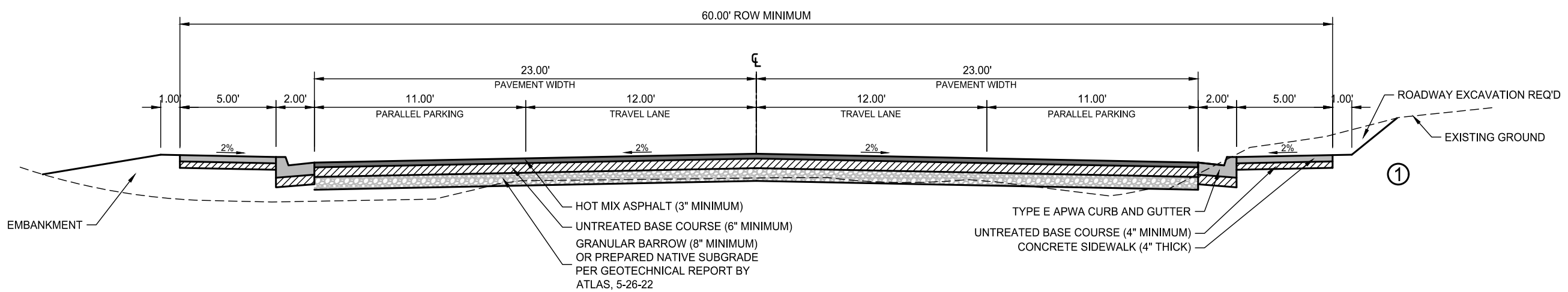
REVISIONS
NO. DATE
REMARKS

DWG NAME: H:\JD\Proj\2203-046.dwg\SWPPP_2203-046.dwg
SCALE: 1" = 200'
UPDATED: 4/25/2024
PLOTTED: 4/25/2024



		JONES & DEMILLE ENGINEERING, INC. CIVIL & STRUCTURAL ENGINEERING - SURVEYING GIS - ENVIRONMENTAL - MATERIALS TESTING 1.800.748.5275 www.jonesanddemille.com	
APPROVAL RECOMM.	PROJECT DESIGN ENGINEER	DATE	DATE
KATIE ENTERPRISES, LLC		PROJECT NUMBER: 2203-046	
THE RANCHES SUBDIVISION		SUBMITTAL: REVIEW - NOT FOR CONSTRUCTION	
SWPPP DETAILS		SHEET NO. SWPP-02	

BALLARD CITY TYPICAL STREET CROSS SECTION STANDARDS



① SEE CUT / FILL SLOPE TABLE BELOW

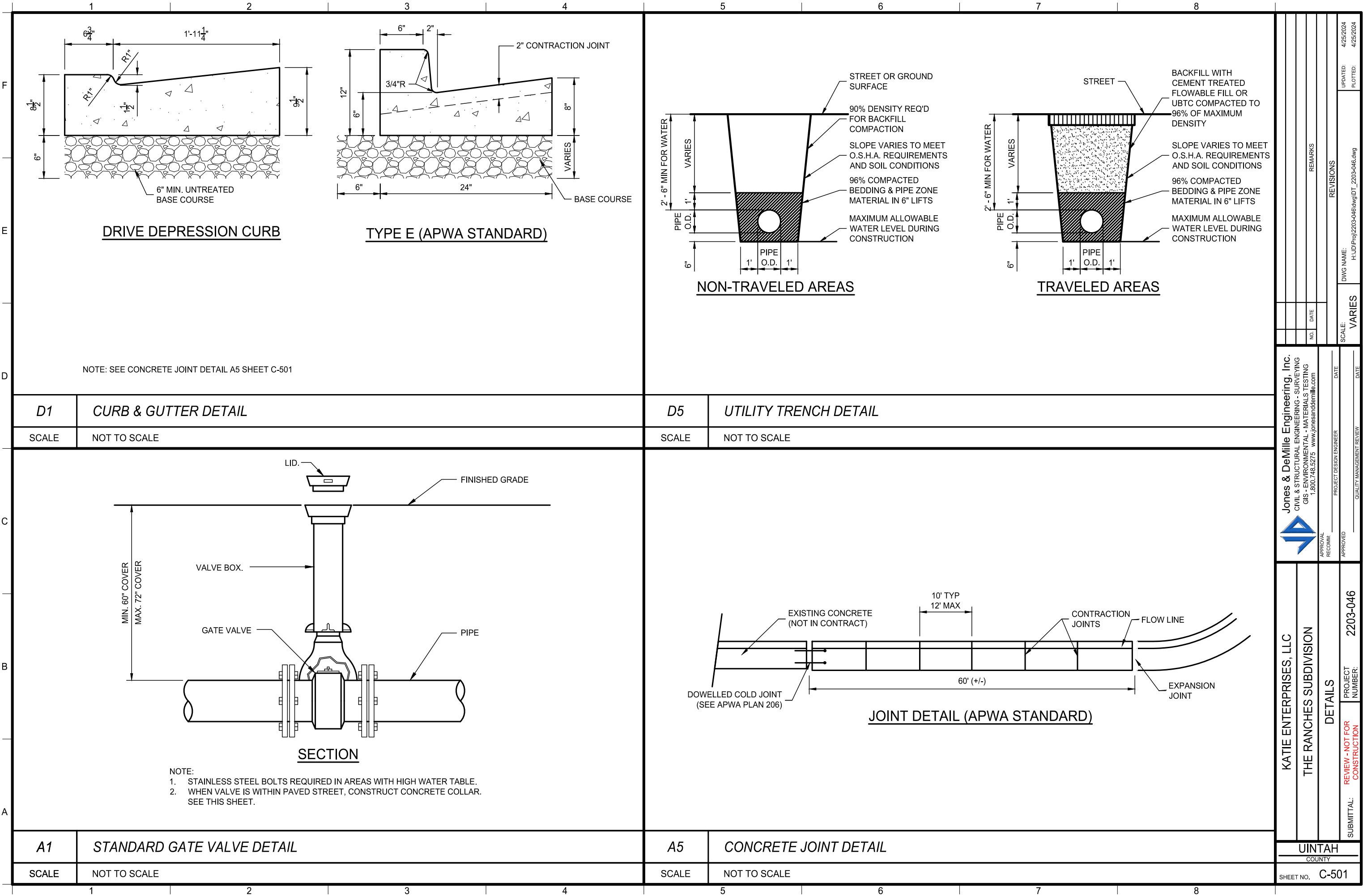
SLOPE TABLE			
CUT		FILL	
0.5:1	ROCK CUT		
2:1	>10'	2:1	>10'
3:1	5'-10'	3:1	5'-10'
4:1	0'-5'	6:1	0'-5'

- NOTES:
1. ASPHALT, BASE, AND SUB-BASE DEPTHS TO BE DETERMINED BY PAVEMENT DESIGN, NATIVE SUBGRADE BEARING CAPACITY, AND EXPECTED TRAFFIC, AS APPROVED BY BALLARD CITY.
 2. SEE BALLARD CITY CODE AND APWA STANDARD DRAWING FOR DESIGN STANDARDS.
 3. ROADWAY DESIGN TO CONFORM W/ AASHTO AND MUTCD STANDARDS.
 4. PARK STRIP WIDTH MAY DECREASE UPON DESIGN WITH APPROVAL OF BALLARD CITY.
 5. RIGHT-OF-WAY (ROW) WIDTH INCREASE MAY BE REQUIRED DUE TO SLOPES FOR CONSTRUCTING ROADWAY AS DIRECTED BY BALLARD CITY.

LOCAL/RESIDENTIAL STREETS



KATIE ENTERPRISES, LLC		THE RANCHES SUBDIVISION		TYPICAL SECTION		SUBMITTAL: REVIEW - NOT FOR CONSTRUCTION		PROJECT NUMBER: 2203-046		DWG NAME: H:\JD\Proj\2203-046.dwg		UPDATED: 4/25/2024		PLOTTED: 4/25/2024	
JONES & DeMille Engineering, Inc.		CIVIL & STRUCTURAL ENGINEERING - SURVEYING		GIS - ENVIRONMENTAL - MATERIALS TESTING		1-800-748-5275 www.jonesanddemic.com		PROJECT DESIGN ENGINEER		DATE		REVISIONS		DATE	
APPROVAL		RECOMMENDATION		APPROVED		DATE		QUALITY MANAGEMENT REVIEW		DATE		SCALE: 1" = 6'		H:\JD\Proj\2203-046.dwg	
COUNTY: UTAH		SHEET NO. C-301													

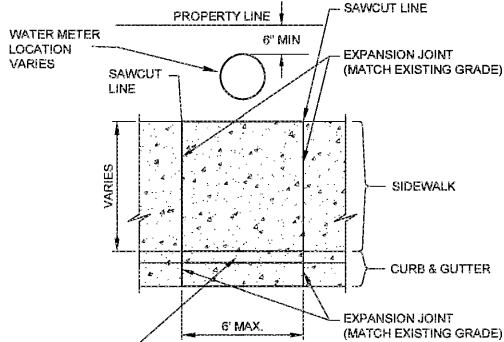
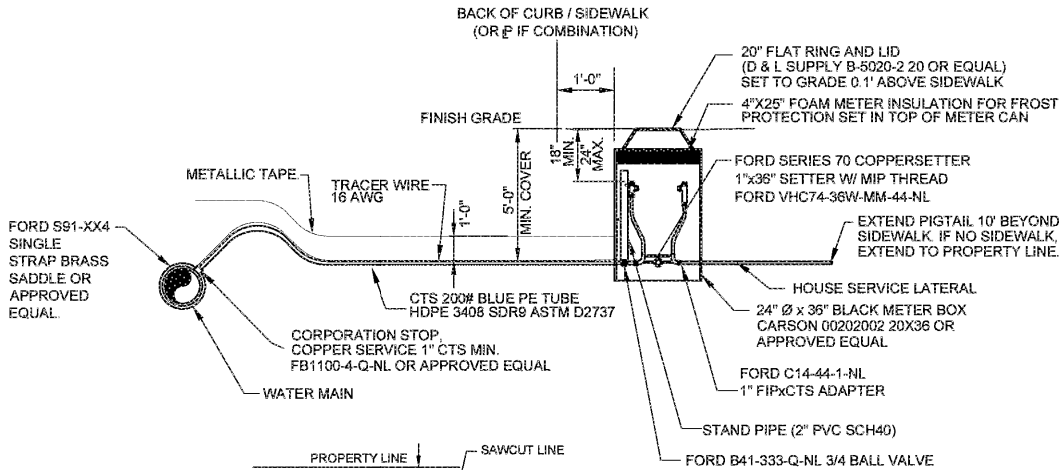


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KATIE ENTERPRISES, LLC	THE RANCHES SUBDIVISION	DETAILS	PROJECT NUMBER: 2203-046	SUBMITTAL: REVIEW - NOT FOR CONSTRUCTION

METER SIZE	MODEL	SETTER
1"	VHC 74-36W-MM-44-NL	1" X 36"

NOTE: METER BOX, COVER, COPPERSETTER,
CORPORATION STOP, & SERVICE LINES
TO BE FURNISHED AND INSTALLED
BY DEVELOPER.



PLAN VIEW
SEE NOTE 4

A LETTER WILL BE SCRIBED INTO THE FACE OF THE CURB OVER THE UTILITY AS FOLLOWS:

WATER:	"w"
SEWER:	"s"
GAS:	"g"
IRRIGATION:	"i"

NOTES:

1. COORDINATE SERVICE CONNECTIONS WITH BALLARD CITY PUBLIC WORKS.
2. CONTRACTOR TO SAWCUT EXISTING ASPHALT AND PATCH BEHIND SIDEWALK OR CURB AND GUTTER W/ 3" AC OVER 8" UTBC, WHERE THERE IS EXISTING ASPHALT.
3. CONTRACTOR SHALL RESTORE EXISTING LANDSCAPING TO PRE-CONSTRUCTION CONDITION.
4. SIDEWALK AND CURB TO BE PROTECTED. IF DAMAGED REPLACE AND SAWCUT ACCORDING TO PLAN VIEW ABOVE.
5. CONSTRUCTION NOT ALLOWED IN DRIVEWAYS.
6. WATER BOOSTER ONLY ALLOWED UPON APPROVAL OF CITY INSPECTOR.
7. 16" AND LARGER TRANSMISSION LINES WILL NOT BE TAPPED UNLESS APPROVED BY CITY WATER DEPARTMENT.
8. TRACER WIRE AND MAGNETIC TAPE WILL BE INSTALLED ACCORDING TO BALLARD CITY SPECIFICATIONS
9. PIPES AND CONNECTIONS WILL NOT CONTAIN ANY LEAD.

WATER SERVICE CONNECTION

N.T.S.

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KATIE ENTERPRISES, LLC

THE RANCHES SUBDIVISION

DETAILS

SUBMITTAL:	REVIEW - NOT FOR CONSTRUCTION	PROJECT NUMBER: 2203-046
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UINTAH
COUNTY

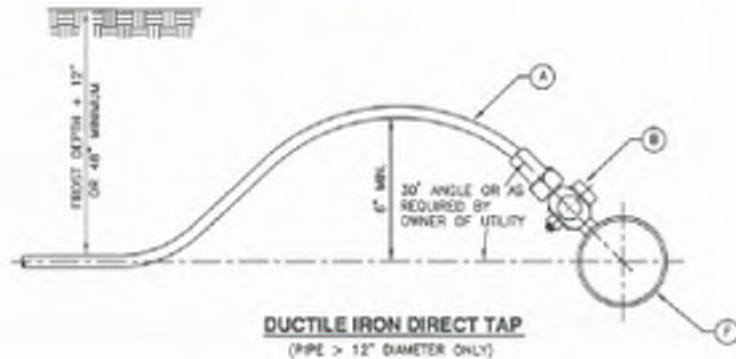
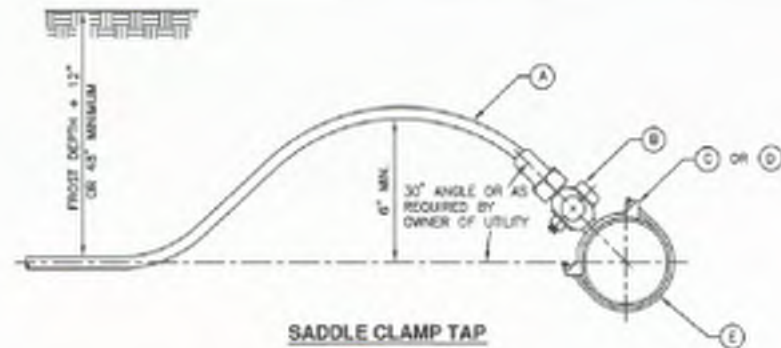
SHEET NO. C-503



Water main line loop

Plan
543.1
March 2011

1. **GENERAL**
 - A. Before backfilling, secure inspection of installation by ENGINEER.
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. Piping: Match existing pipe, fittings, coupling sizes and materials.
 - C. Thrust Blocks: Concrete Class 4000, APWA Section 03 30 04.
 - D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A615.
 - E. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - F. Grease: Non-oxide poly-FM.
 - G. Couplings: Brass.
3. **EXECUTION**
 - A. Thrust Blocks: Not required for flanged or welded pipe systems. Before pouring thrust block concrete, wrap pipe system in plastic sheet to prevent bending of concrete to pipe system.
 - B. Fittings: Use copper to copper flare fittings or copper to iron pack joint coupling with locking split clamp on iron pipe side and flare on copper side.
 - C. Grease: Apply grease to all buried metal surfaces. Wrap with polyethylene sheet and tape wrap.
 - D. Steel Spool: Weld in place and provide slip on flange except when fitting in pipe system could move. Epoxy line per AWWA C210, C213, and coated per AWWA C208, or C214.
 - E. Location: Loop water mains over top of sewer lines.
 - F. Base Course and Backfill Placement: Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 28.



LEGEND		
No.	ITEM	DESCRIPTION
A	COPPER PIPE	TYPE K - SOFT
B	CORROSION STOP	BRASS
C	SERVICE SADDLE CLAMP	(D.I., C.I., A.C.) **
D	SERVICE SADDLE CLAMP	(P.V.C.)
E	WATER MAIN PIPE	(D.I., C.I., A.C., P.V.C.)
F	WATER MAIN PIPE	(DUCTILE IRON (D.I.) ONLY

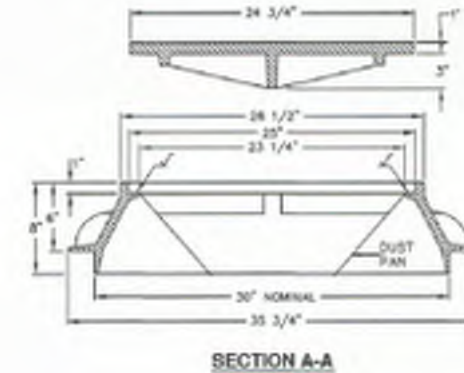
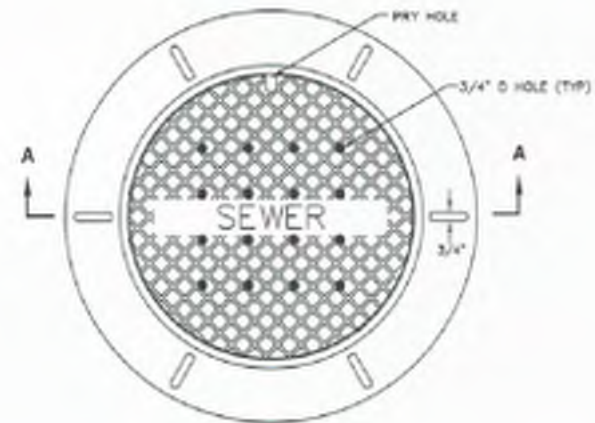
* FURNISHED BY UTILITY AGENCY
** OI & CI PIPE MAY BE DIRECT TAPPED



3/4" and 1" Service Laps

Plan
551
January 2011

1. **GENERAL**
 - A. Before backfilling around taps, secure inspection of installation by ENGINEER.
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. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
 - C. Tape: Teflon tape is required on all taps.
3. **EXECUTION**
 - A. Tapping: Place taps a minimum of 36-inches apart. Use a tapping tool which is sized corresponding to the size of the service line to be installed. No taps within 36-inches of end of pipe.
 - B. PVC or AC Pipe: A service saddle clamp is required on all PVC and AC pipe taps unless specified otherwise.
 - C. Base Course and Backfill Placement: Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.



30" Frame and cover

Plan
402
April 1997

1. **GENERAL**
 - A. The frame and cover fits the manhole in Plan 411.
2. **PRODUCTS**
 - A. Castings: Grey iron class 35 minimum, ASTM A48, coated with asphalt based paint or better (except on machined surfaces).
 - 1) Cast the heat number on the frame and cover.
 - 2) Give the frame and cover a machine finish so the cover will not rock.
 - 3) 's' designates machined surface.
 - 4) Cast the words "SEWER" on the cover in upper case flush with the surface finish.
3. **EXECUTION**
 - A. Except in paved streets, provide locking manhole covers in easements, alleys, parking lots, and all other places. Drill and tap two holes to a depth of 1-inch at 90 degrees to pry hole and install 3/4 x 3/4-inch allen socket set screws.

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KATIE ENTERPRISES, LLC
THE RANCHES SUBDIVISION

DETAILS

REVIEW - NOT FOR CONSTRUCTION

2203-046

QUALITY MANAGEMENT REVIEW	DATE
---------------------------	------

SCALE:
VARIES

wg\DT_2203-046.c

UPDATED: 4/25/2024
PLOTTED: 4/25/2024

UINTAH
COUNTY

SHEET NO. C-504

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