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Know what's below.
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TYPICAL BAR LAYOUT FOR CONCRETE HEADWALLS

24" NOTCH, OPTIONAL FOR WINGWALL

FRONT VIEW

TOP VIEW

WINGWALL CONNECTION

REINFORCING BARS FROM WINGWALL FOOTING INTO THE HEADWALL

OPTIONAL FILLET

4"x4" BEVEL

12" TYPICAL WALL

INLET OUTLET ENDS OF FLEXIBLE PIPE

INLET OUTLET ENDS OF RIGID PIPE

WHEN APRON IS REQUIRED

#4 x 2'-0" PROJECT 1'-0" INTO CENTER OF APRON (SEE NOTE 6)

GENERAL NOTES

- CONCRETE SHALL BE CLASS B.
- HEADWALL SHALL BE PERPENDICULAR TO THE PIPE & UNLESS OTHERWISE SHOWN ON THE PLANS, TABULATED DIMENSIONS AND QUANTITIES MUST BE ADJUSTED FOR SKEWED INSTALLATIONS.
- FOR WINGWALL DETAILS, SEE STANDARD PLAN M-601-20.
- VOLUME OCCUPIED BY PIPE HAS BEEN DEDUCTED FROM STEEL AND CONCRETE QUANTITIES.
- EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4" IN.
- ALL REINFORCING BARS SHALL HAVE A 2 IN. MINIMUM CLEARANCE.

▲ WHEN TWO OR MORE PIPES ARE LAID SIDE BY SIDE, THEY SHALL BE PLACED SO THAT THE ADJACENT PIPES WILL BE 1/2 INSIDE DIAMETER APART, OR 1/2 INSIDE SPAN APART, OR 3 FT. APART (INCLUDING WALL THICKNESS), WHICHEVER IS LESS.

■ ADD 0.89 x (X OR X₁) (LB.) WHEN APRON IS REQUIRED.

HEADWALL FOR RIGID ROUND PIPE

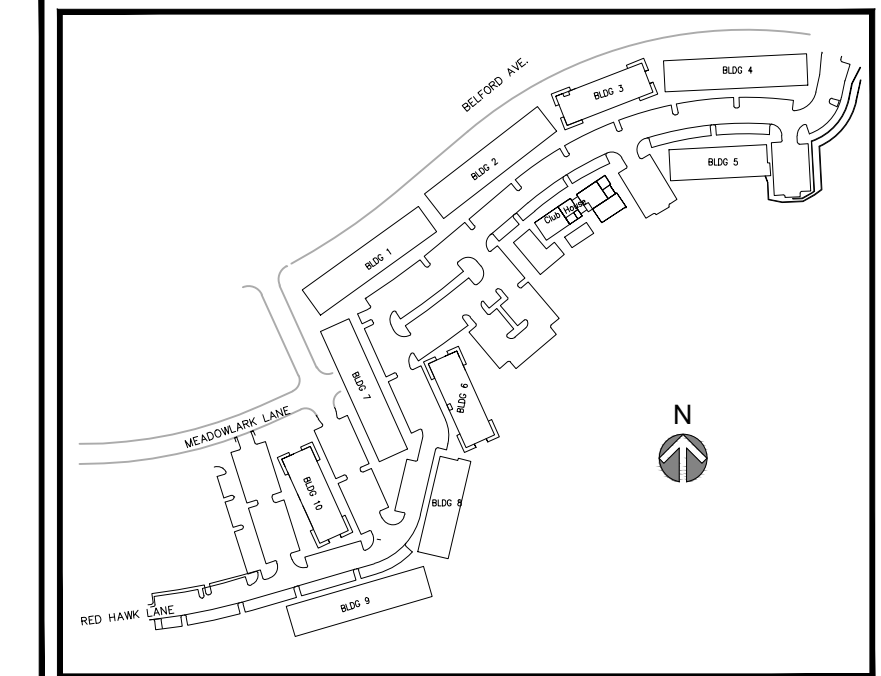
HEADWALL FOR FLEXIBLE PIPE ARCH

HEADWALL FOR FLEXIBLE ROUND PIPE

HEADWALL FOR STRUCTURAL PLATE ARCH

SKIEW FACTOR TABLE

SKIEW ANGLE A°	90	85	80	75	70	65	60	55	50	45	40	35	30
FACTOR (cosecA°)	1.000	1.004	1.015	1.035	1.064	1.103	1.155	1.221	1.305	1.414	1.556	1.743	2.000



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CENTURY LIVING

REV	REVISION DESCRIPTION	DATE	CHKD	CHKD	APPR

COMPARK VILLAGE SOUTH
PRIVATE IMPROVEMENT
CONSTRUCTION PLANS

POND - GRADING DETAILS

FOR AND ON BEHALF OF MERRICK & COMPANY

REGISTERED PROFESSIONAL ENGINEER
40880
09/02/2022

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DATE	7/1/2022
SHEET	C4.3
TOTAL SHEETS	28

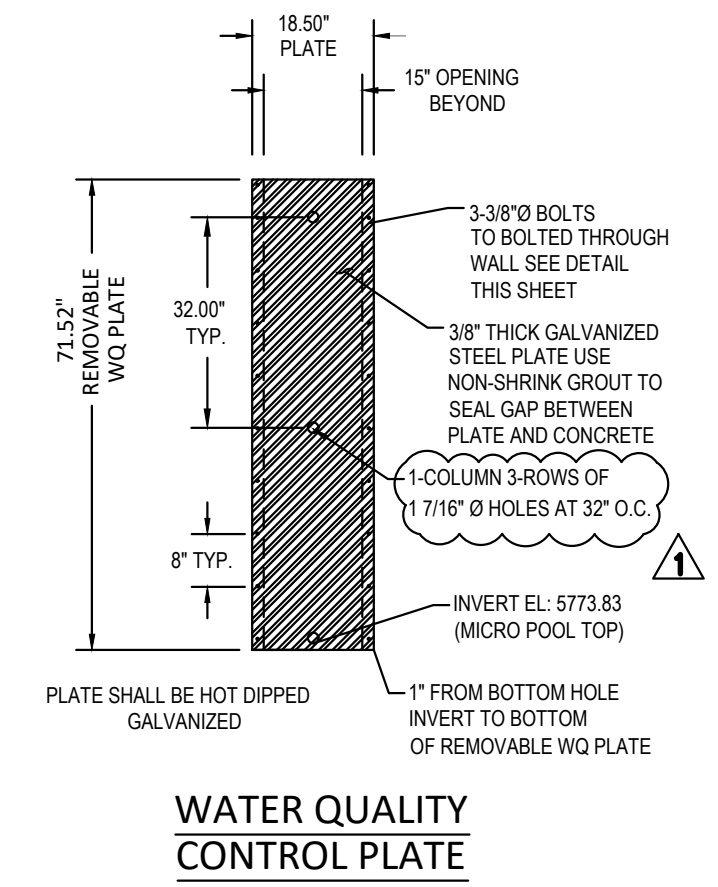
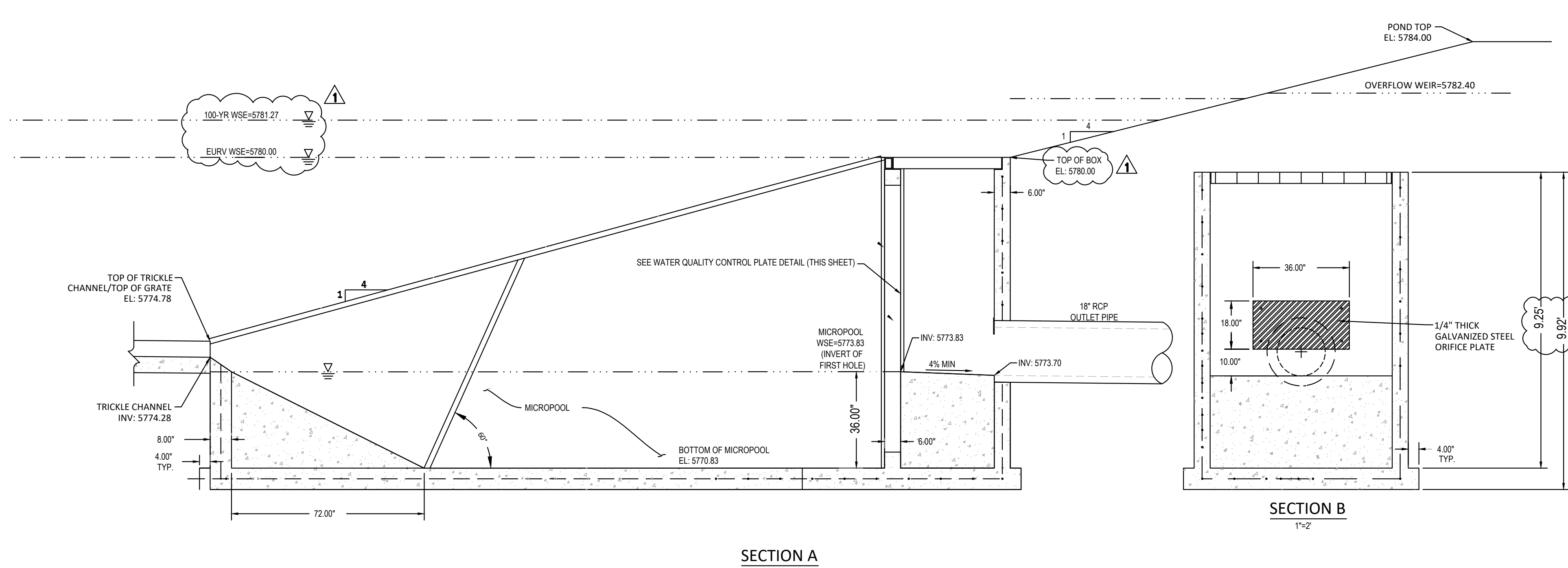
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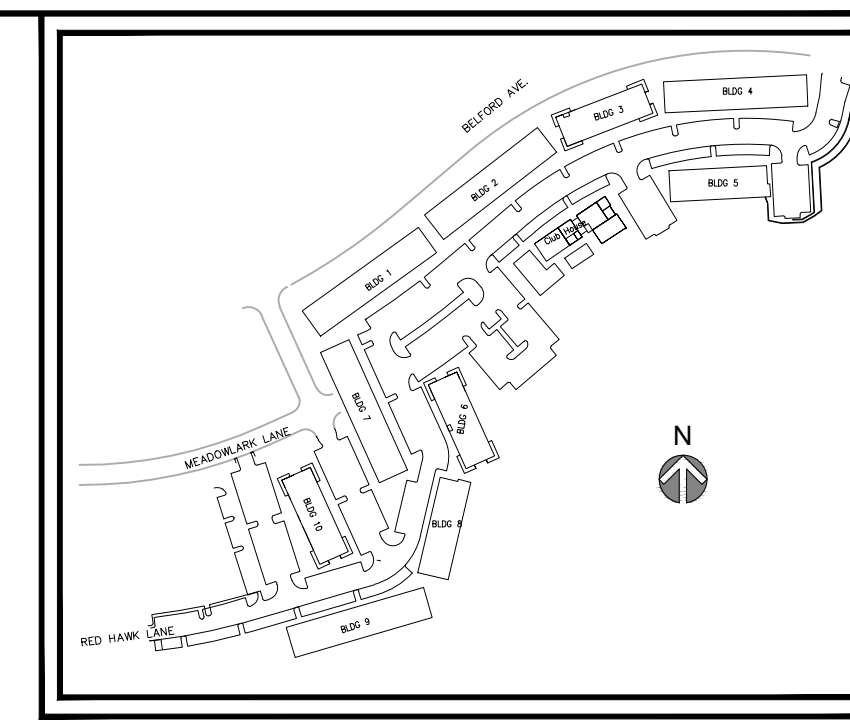
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NOTES:
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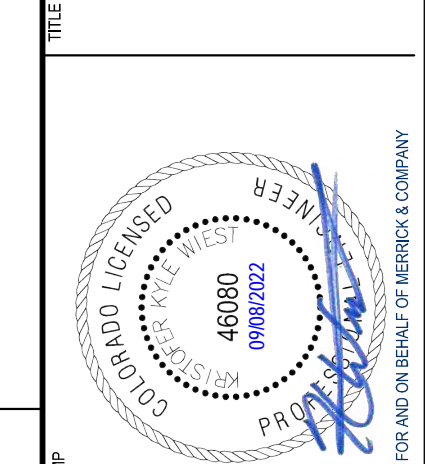


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1	09/24/2022	COMPARK VILLAGE SOUTH, F1 - BELFORD AVE SITE PLAN AMD WQ PLATE			

COMPARK VILLAGE SOUTH
PRIVATE IMPROVEMENT
CONSTRUCTION PLANS
POND - STRM OUTLET STRUCTURE



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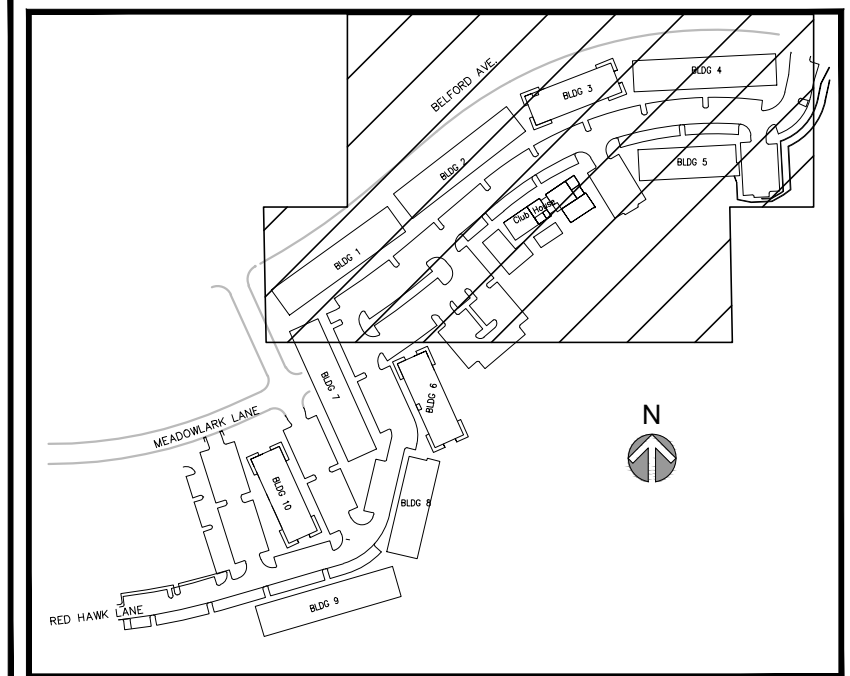
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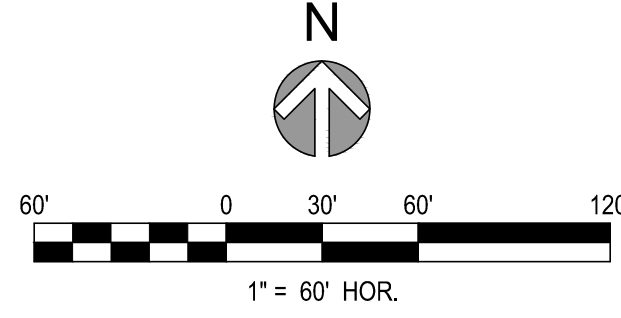
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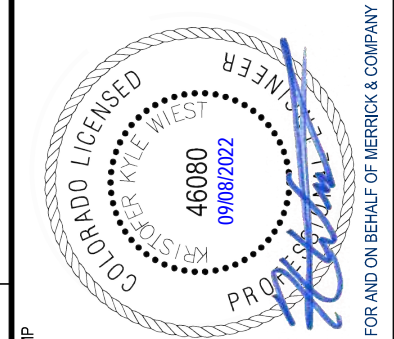
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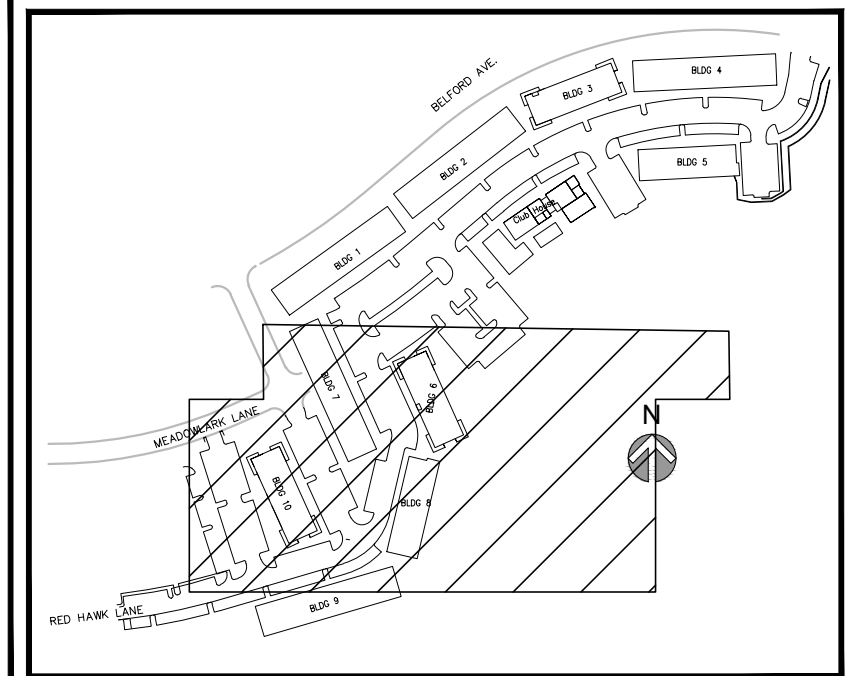
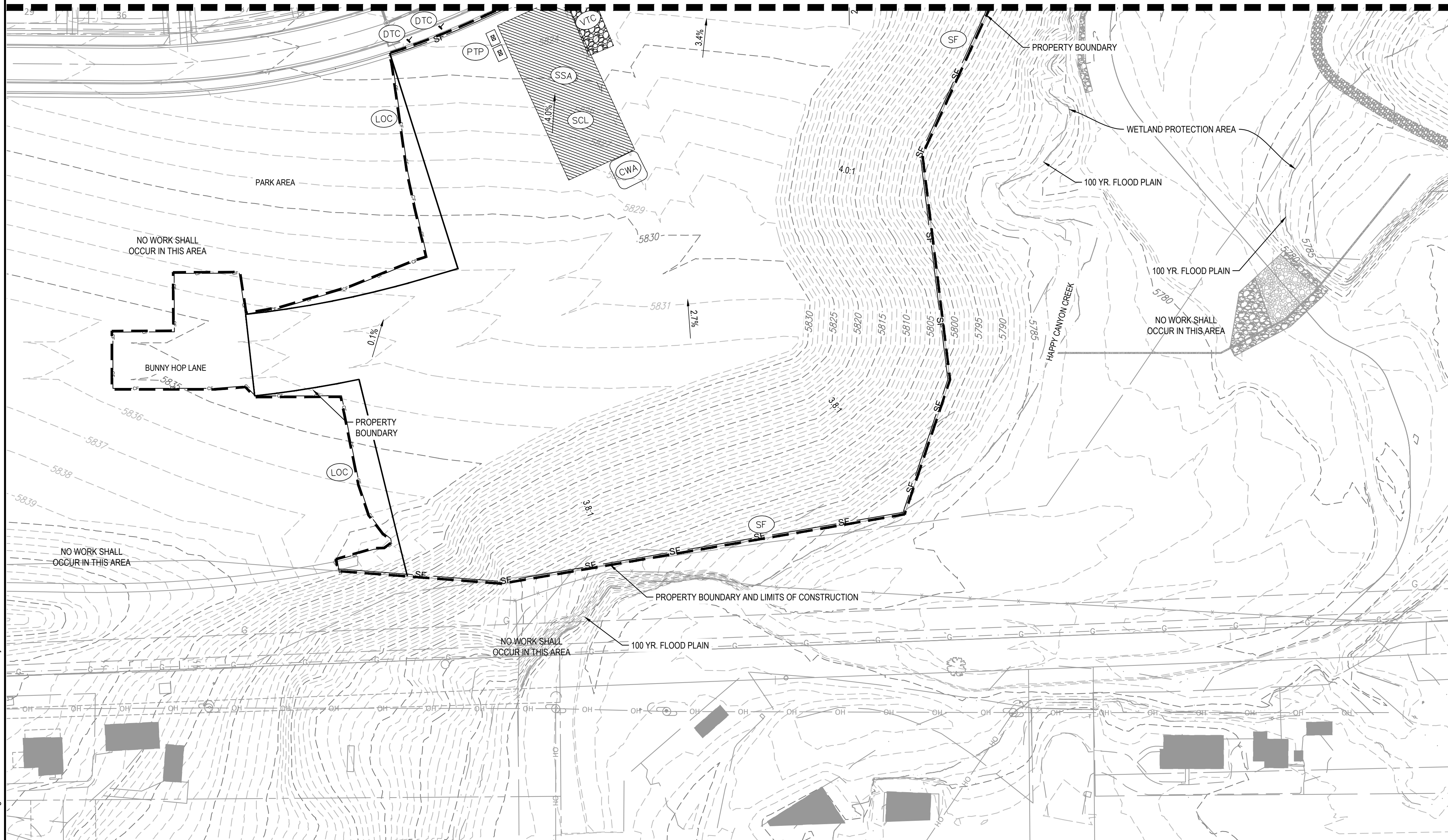
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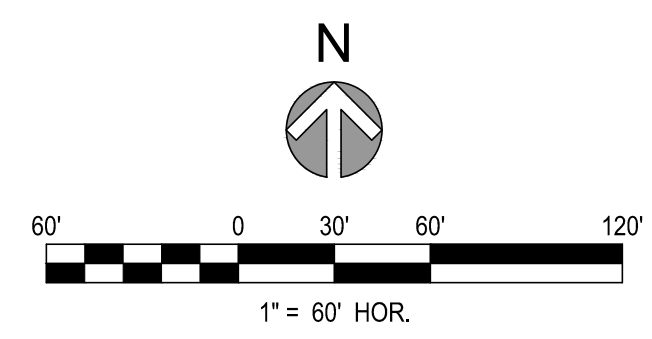
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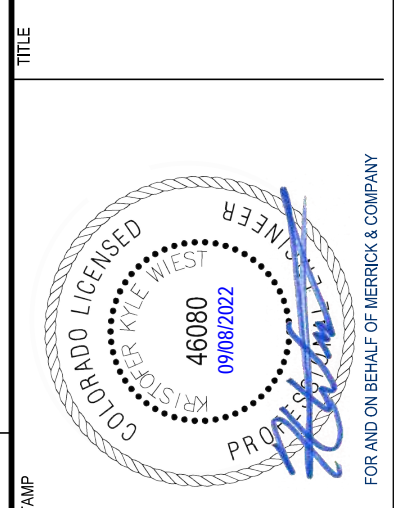


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COMPARK VILLAGE SOUTH
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 INITIAL EROSION CONTROL 2

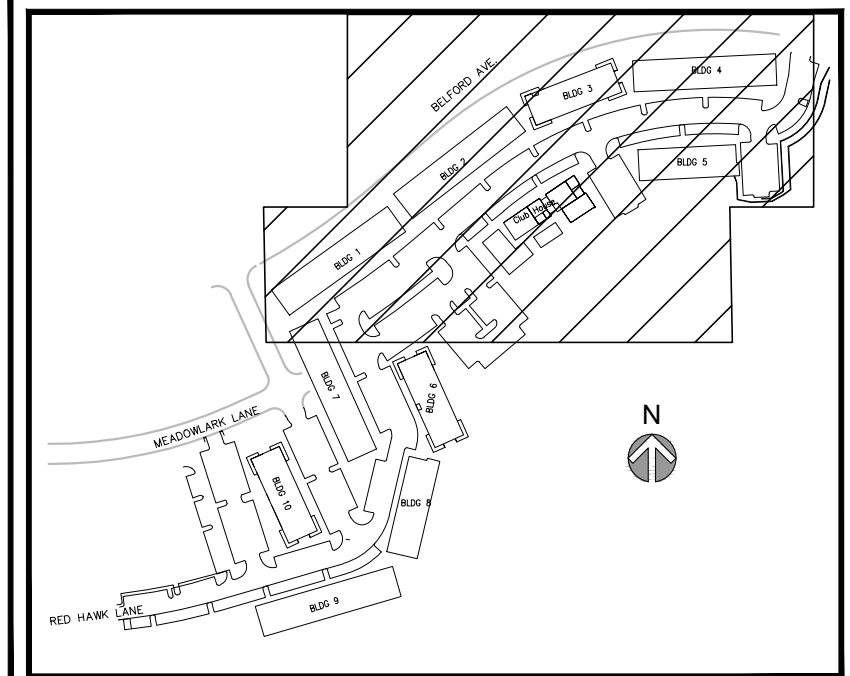


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TOTAL SHEETS	32

TOWN OF PARKER, DIRECTOR OF ENGINEERING DATE

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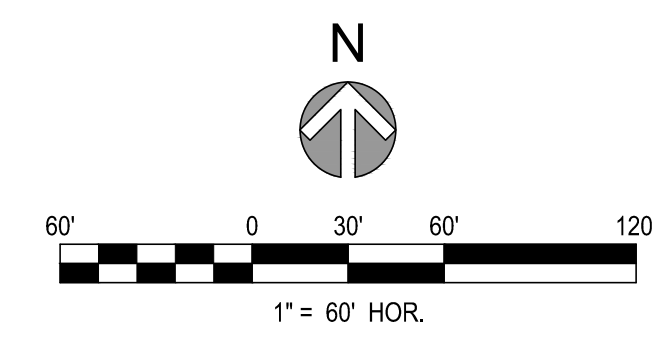
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COMPARK VILLAGE SOUTH
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 CONSTRUCTION PLANS
 INTERIM FINAL EROSION CONTROL - 1

