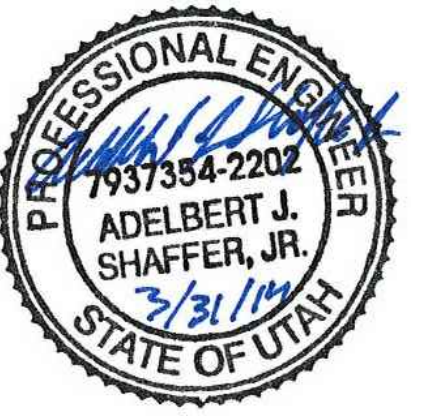


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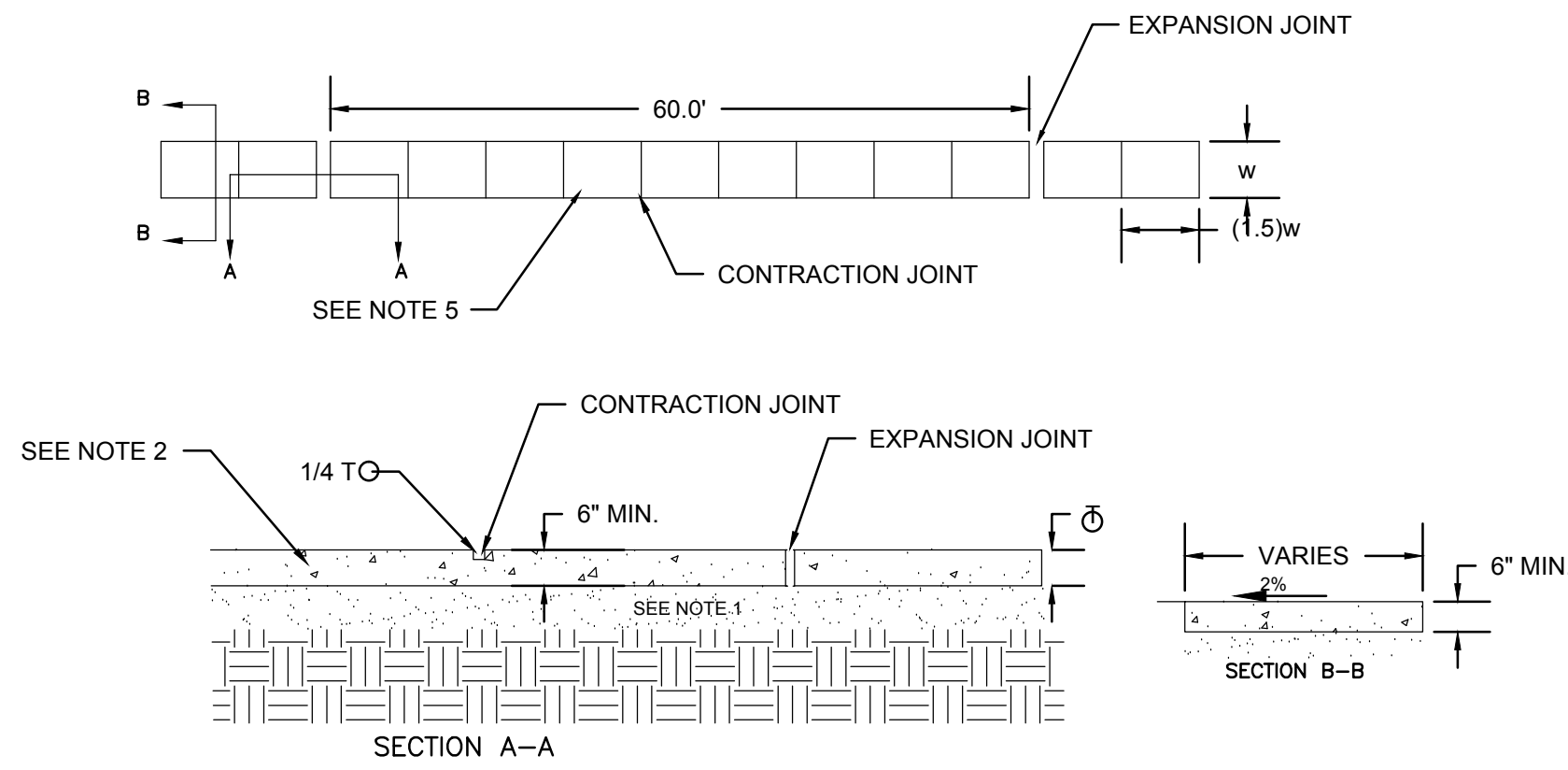
OWNER  
Lehi City Corporation  
153 North 100 East  
Lehi, Utah 84043

PROJECT TITLE  
Shadow Ridge Park

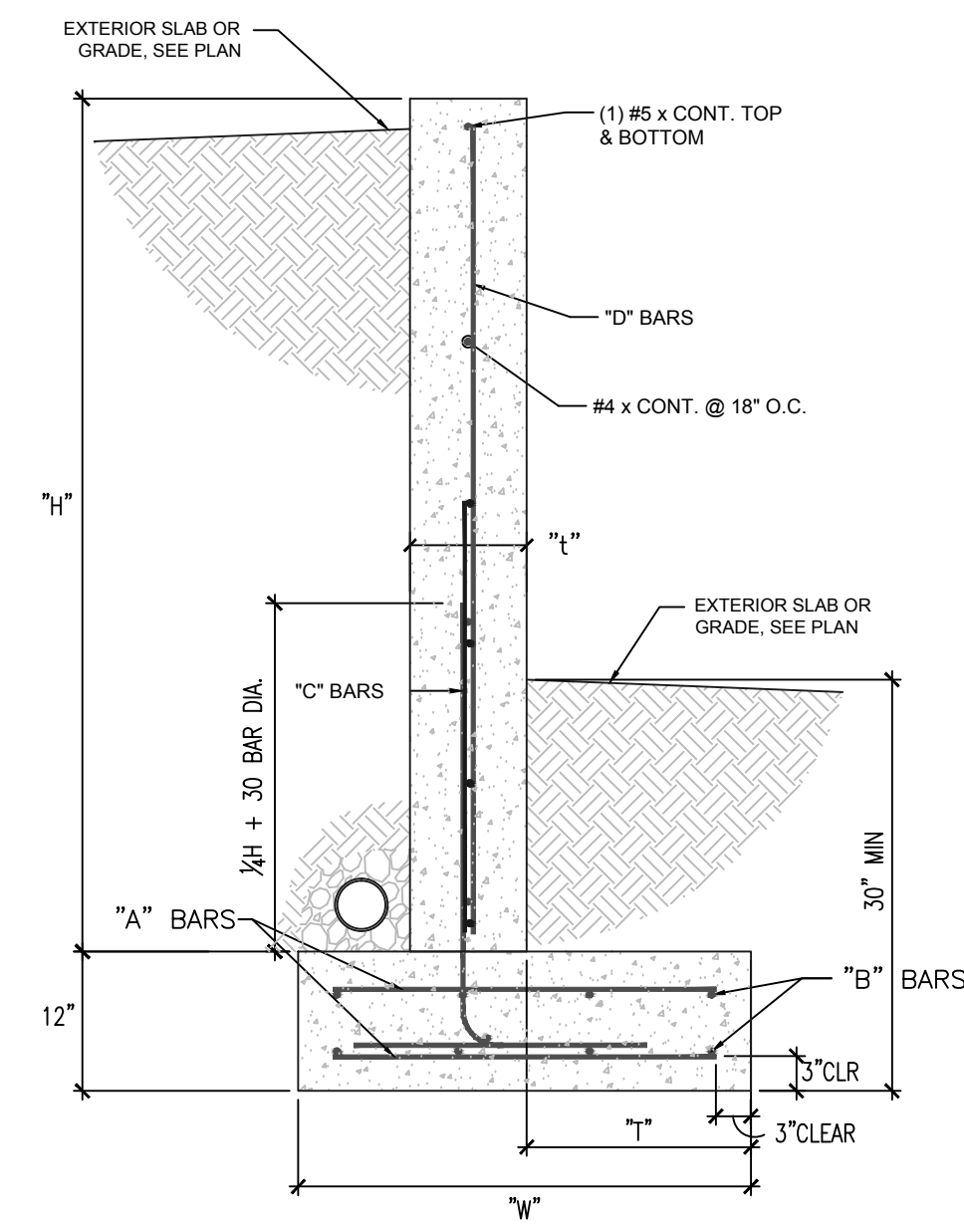
SHEET TITLE  
DETAILS

REVISIONS  
MARK | DATE | DESCRIPTION

ISSUE DATE 27 MAR 2014  
ISSUE TITLE 100% CD  
SCALE AS NOTED  
DRAWN BY -  
CHECKED BY -



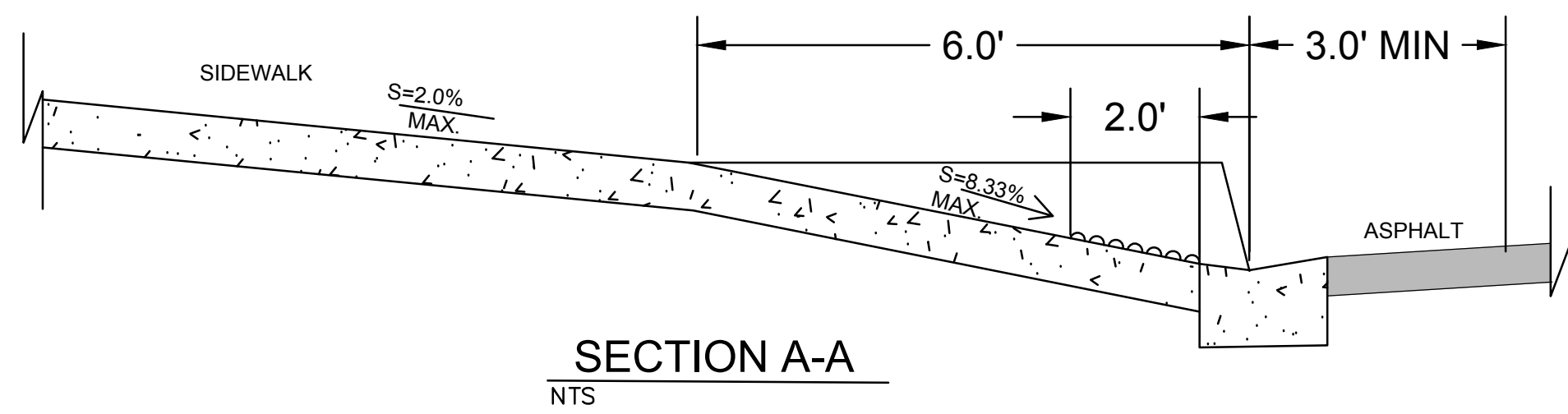
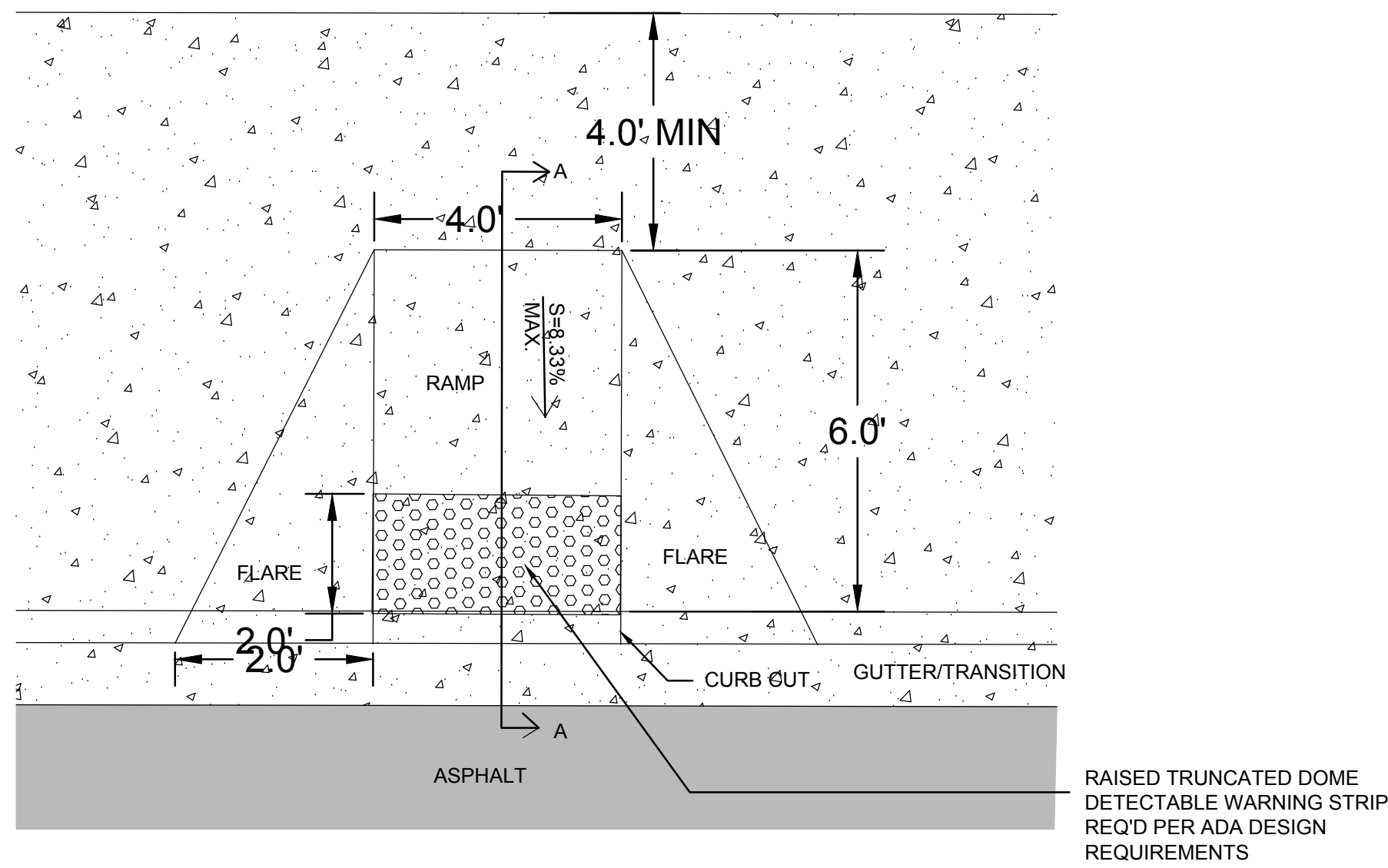
**NOTES:**  
1. UNTREATED BASE COURSE: PROVIDE MATERIAL AS PER SPECIFICATIONS. DO NOT USE GRAVEL OR SEWER ROCK. PLACE AS PER SPECIFICATIONS. COMPACT AS STATED IN SPECIFICATIONS TO A MODIFIED PROCTOR DENSITY OF 95 PERCENT OR GREATER. MAXIMUM LIFT THICKNESS IS 8-INCHES BEFORE COMPACTION.  
2. CONCRETE: SIDEWALKS SHALL BE CONSTRUCTED OF 4000 PSI CONCRETE AND BE A MINIMUM OF 6 INCHES THICK. PLACE PER SPECIFICATIONS.  
A. IF NECESSARY, PROVIDE CONCRETE THAT ACHIEVES DESIGN STRENGTH IN LESS THAN 7 DAYS. USE CAUTION, HOWEVER AS SPIDER CRACKS DEVELOP IF AIR TEMPERATURE EXCEEDS 90 DEGREES.  
B. UNLESS SHOWN OTHERWISE, PROVIDE 1/2 INCH RADIUS ON CONCRETE EDGES EXPOSED TO PUBLIC VIEW.  
3. EXPANSION JOINTS: FULL DEPTH 1/2 INCH THICK TYPE F1 JOINT FILLER MATERIAL PER SPECIFICATIONS. SET TOP OF FILLER FLUSH WITH SURFACE FOR CONCRETE. PLACE JOINTS TO MATCH EXPANSION JOINT LOCATIONS IN SIDEWALK.  
4. CONTRACTION JOINTS: MAKE CONTRACTION JOINTS VERTICAL.  
A. MAKE JOINTS AT LEAST 1/8 INCH WIDE AND 1 INCH DEEP OR 1/4 SLAB THICKNESS IF THE SLAB IS GREATER THAN 4 INCHES THICK.  
B. PROVIDE A 1/2 INCH RADIUS TOOLED UP  
C. MAXIMUM LENGTH TO WIDTH RATIO FOR NON SQUARE PANELS IS 1.5 TO 1.  
D. MAXIMUM PANEL LENGTH IS 15 FEET.



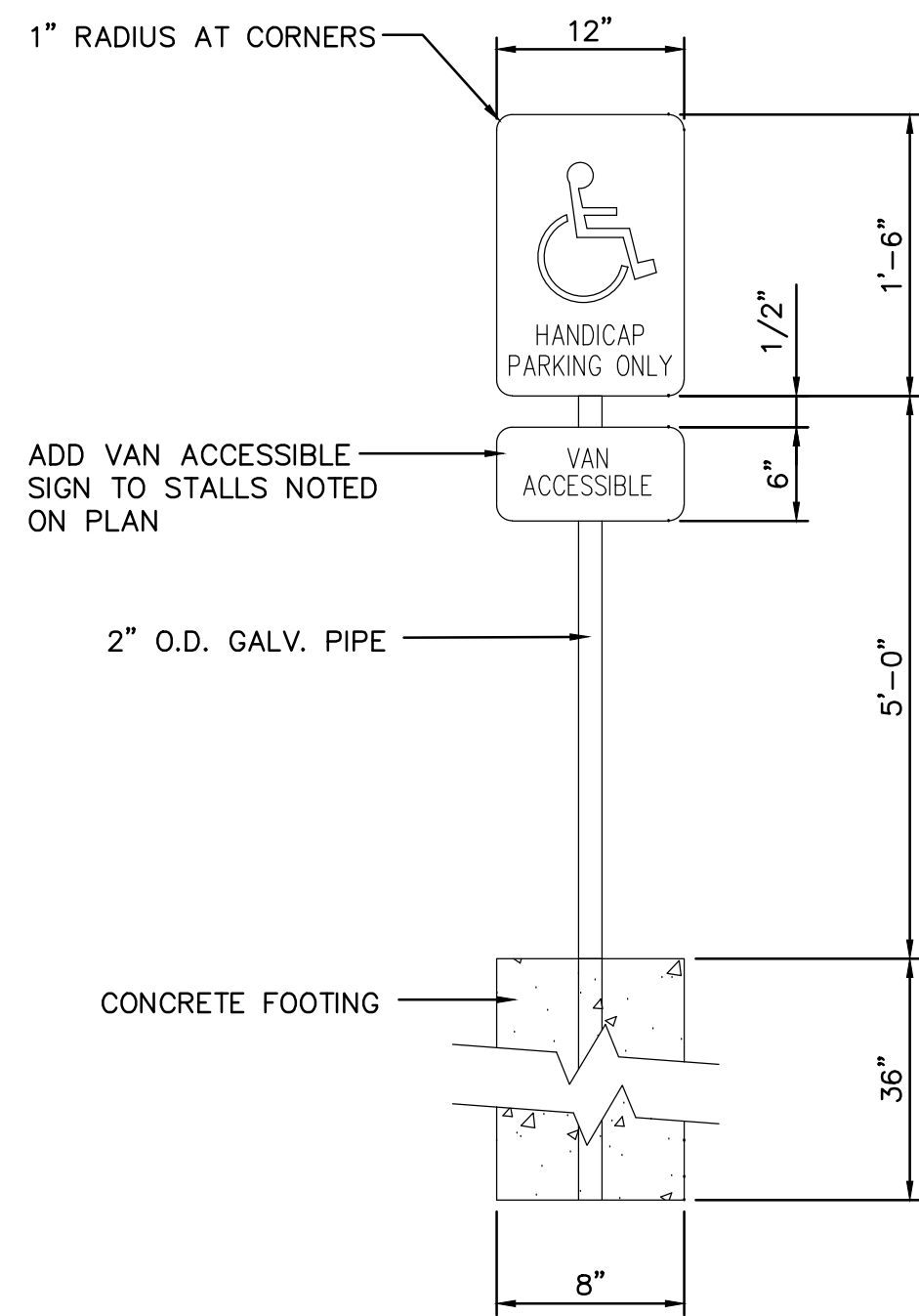
f'c=3,000 psi Fy=60,000 psi		RETAINING WALL SCHEDULE				SOIL BEARING PRESSURE=1,500 psf	
"H"	"t"	"W"	"T"	"A" BARS	"B" BARS	"C" BARS	"D" BARS
4'-0"	8"	2'-0"	0'-9"	NA	(2)#4	#4@18" O.C	#4@18" O.C
6'-0"	8"	3'-3"	1'-6"	NA	(3)#4	#5@18" O.C	#4@18" O.C
8'-0"	8"	4'-6"	2'-0"	#4@18" O.C	(4)#4	#5@9" O.C	#4@18" O.C

1 Concrete Sidewalk Detail  
NTS

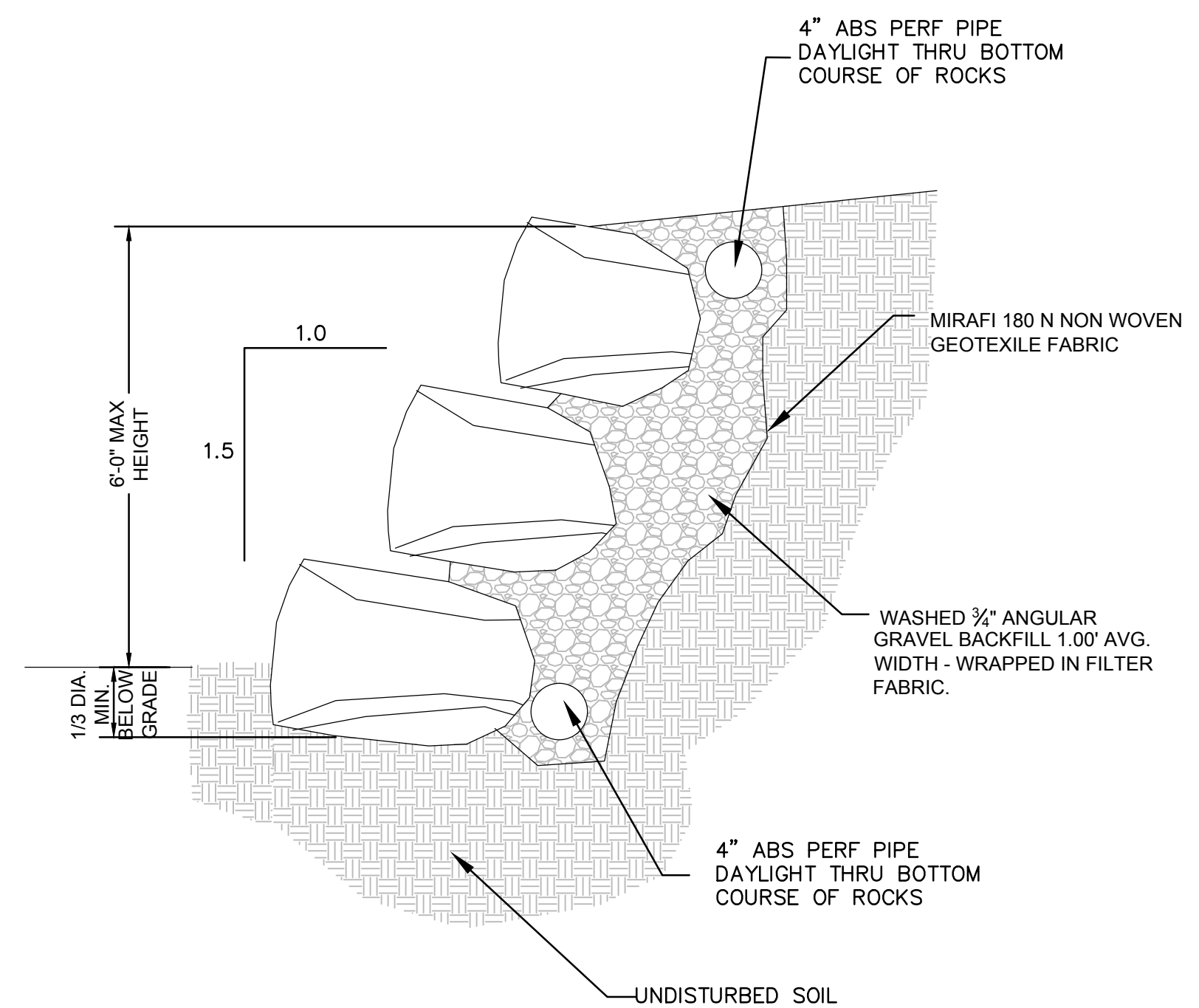
2 RETAINING WALL DETAIL  
NTS



3 ADA Ramp Detail  
NTS



4 ADA PARKING SIGN DETAIL  
NTS

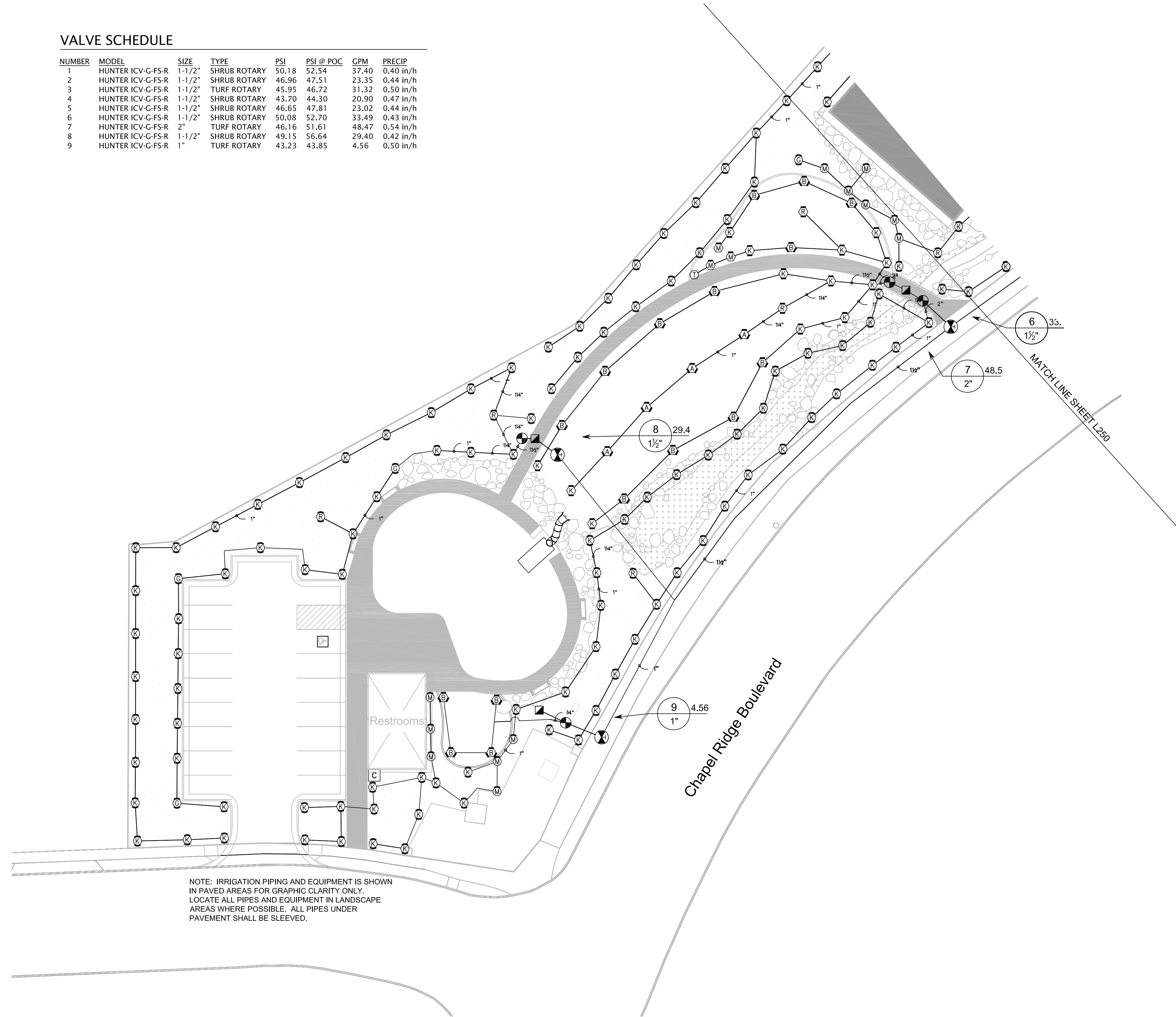


5 Boulder Retaining Wall Detail  
NTS

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### VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	PSI	PSI @ POC	GPM	PRECIP
1	HUNTER ICV-G-FS-R	1-1/2"	SHRUB ROTARY	50.18	52.54	37.40	0.40 in/h
2	HUNTER ICV-G-FS-R	1-1/2"	SHRUB ROTARY	46.96	47.51	23.35	0.44 in/h
3	HUNTER ICV-G-FS-R	1-1/2"	TURF ROTARY	45.95	46.72	31.32	0.50 in/h
4	HUNTER ICV-G-FS-R	1-1/2"	SHRUB ROTARY	43.70	44.30	20.90	0.47 in/h
5	HUNTER ICV-G-FS-R	1-1/2"	SHRUB ROTARY	46.65	47.81	23.02	0.44 in/h
6	HUNTER ICV-G-FS-R	1-1/2"	SHRUB ROTARY	50.08	52.70	33.49	0.43 in/h
7	HUNTER ICV-G-FS-R	2"	TURF ROTARY	46.16	51.61	48.47	0.54 in/h
8	HUNTER ICV-G-FS-R	1-1/2"	SHRUB ROTARY	49.15	56.64	29.40	0.42 in/h
9	HUNTER ICV-G-FS-R	1"	TURF ROTARY	43.23	43.85	4.56	0.50 in/h



### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
	HUNTER MP1000 PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC.	40
	HUNTER MP2000 PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	40
	HUNTER MP3000 PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.	40
	HUNTER MP CORNER PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY. T=TURQUOISE ADJ ARC 45-105.	40
	HUNTER MP1000 PROS-12-CV-R SHRUB ROTATOR, 12" (30.48 CM) POP-UP WITH CHECK VALVE, PURPLE CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC ON PRS40 BODY.	40
	HUNTER MP2000 PROS-12-CV-R SHRUB ROTATOR, 12" (30.48 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON PRS40 BODY.	40

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER ICV-G-FS-R 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH FILTER SENTRY FACTORY INSTALLED OPTION, AND RECLAIMED WATER ID, PURPLE HANDLE.
	HUNTER HQ-44LRC-AW-R QUICK COUPLER VALVE, PURPLE RUBBER LOCKING COVER FOR RECLAIMED WATER USE. RED BRASS AND STAINLESS STEEL, WITH 1" NPT INLET, 2-PIECE BODY. ACME KEY WITH ANTI-ROTATION WINGS.
	NIBCO T-113-K CLASS 125 BRONZE GATE SHUT OFF VALVE WITH CROSS HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"
	WEATHERTRAK ET PRO3 - WTPRO3-C-12-SPH WEATHER TRAK PRO3 SERIES CONTROLLER, 12 STATION, HEAVY DUTY STAINLESS ENCLOSURE, GROUNDED PER MANUFACTURERS RECOMMENDATION, INCLUDE REMOTE CONTROL, ONE YEAR SUBSCRIPTION TO WEATHERTRAK SERVICE, INCLUDE WEATHERTRAK FLOW LINK SYSTEM (WFL-5T). CONTRACTOR TO VERIFY COMMUNICATION AND CONTROLLER COMPONENTS WITH LEHI CITY STAFF PRIOR TO PURCHASE.
	HUNTER HFS-208 FLOW SENSOR FOR USE WITH ACC CONTROLLER, 2" SCHEDULE 80 SENSOR BODY, 24 VAC, 2 AMP.
	AMIAD M102C AUTOMATIC SELF CLEANING FILTER AUTOMATIC FILTER WITH STRONG BOX ENCLOSURE MODEL SBBC-40ALHP
	POINT OF CONNECTION 2"

IRRIGATION LATERAL LINE: PVC SCHEDULE 40  
 PVC SCHEDULE 40 IRRIGATION PIPE. ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.

IRRIGATION MAINLINE: PVC SCHEDULE 40  
 PVC SCHEDULE 40 IRRIGATION PIPE.

Valve Callout  
 # - Valve Number  
 # - Valve GPM  
 # - Valve Size



Colony Design Collective  
 231 West, 800 South, Salt Lake City, UT, 84101  
 ph.801.913.3014 colonydesigncollective.com



STAMP  
 CONSULTANT

OWNER  
**Lehi City Corporation**  
 153 North 100 East  
 Lehi, Utah 84043

PROJECT TITLE  
**Shadow Ridge Park**

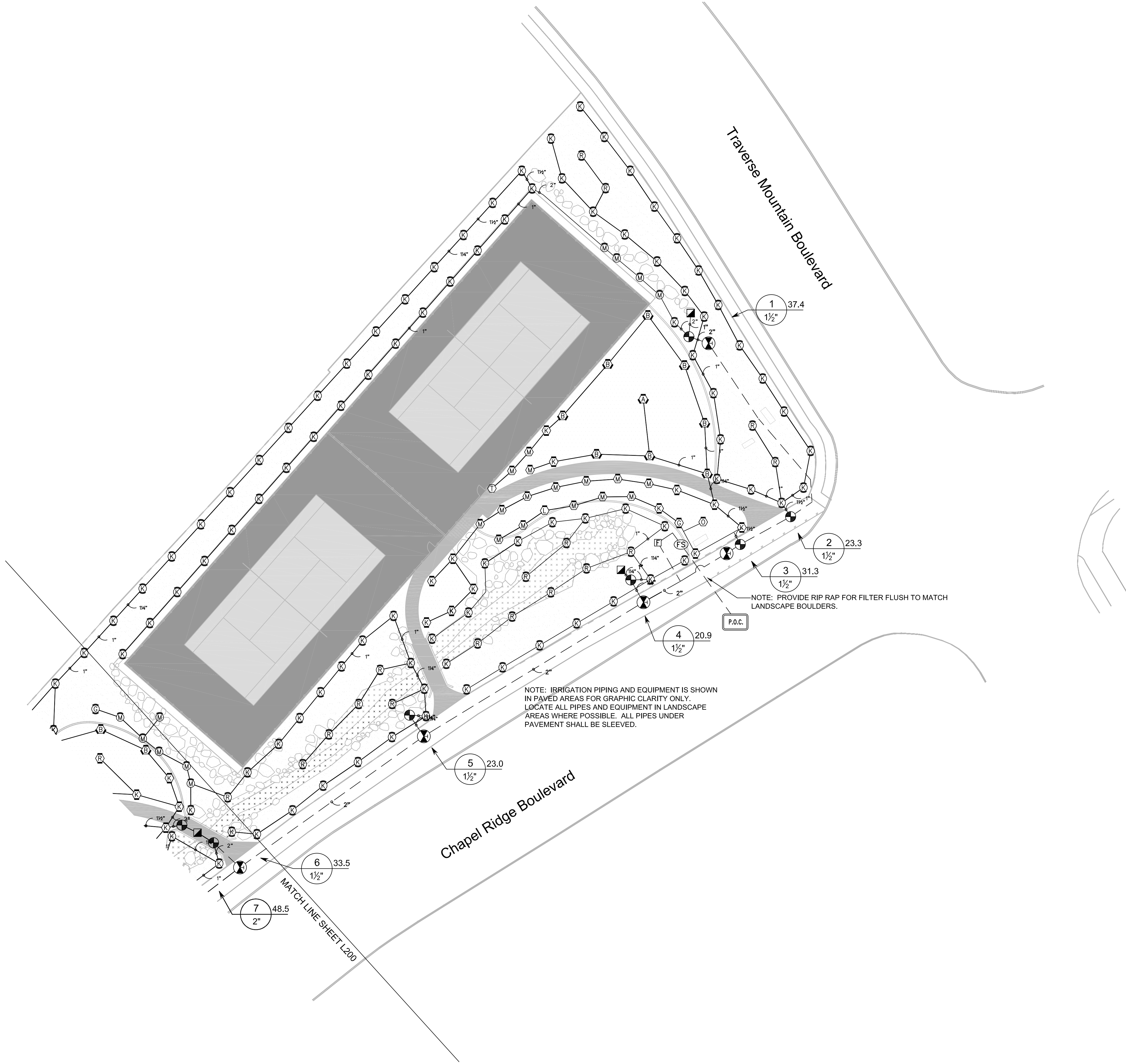
SHEET TITLE  
**IRRIGATION PLAN**

MARK	DATE	DESCRIPTION

ISSUE DATE 27 MAR 14  
 ISSUE TITLE 100% CD  
 SCALE AS NOTED  
 DRAWN BY EJS  
 CHECKED BY PJB

**LC-TP**  
**L500**

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**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
M C	HUNTER MP1000 PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY.	40
K G R	HUNTER MP2000 PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY.	40
B Y A	HUNTER MP3000 PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY.	40
T	HUNTER MP CORNER PROS-06-CV-R TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY.	40
M O	HUNTER MP1000 PROS-12-CV-R SHRUB ROTATOR, 12" (30.48 CM) POP-UP WITH CHECK VALVE, PURPLE CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE.	40
K G R	HUNTER MP2000 PROS-12-CV-R SHRUB ROTATOR, 12" (30.48 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, RECLAIMED BODY CAP, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE.	40
+	HUNTER ICV-G-FS-R 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET FOR COMMERCIAL/MUNICIPAL USE.	
■	HUNTER HQ-44LRC-AW-R QUICK COUPLER VALVE, PURPLE RUBBER LOCKING COVER FOR RECLAIMED WATER USE.	
⊙	NIBCO T-113-K CLASS 125 BRONZE GATE SHUT OFF VALVE WITH CROSS HANDLE.	
C	WEATHERTRAK ET PRO3 - WTPRO3-C-12-SPH WEATHER TRAK PRO3 SERIES CONTROLLER, 12 STATION, HEAVY DUTY STAINLESS ENCLOSURE.	
FS	HUNTER HFS-208 FLOW SENSOR FOR USE WITH ACC CONTROLLER.	
F	AMAD M102C AUTOMATIC SELF CLEANING FILTER AUTOMATIC FILTER WITH STRONG BOX ENCLOSURE MODEL SBBC-40ALHP	
P.O.C.	POINT OF CONNECTION 2"	
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 PVC SCHEDULE 40 IRRIGATION PIPE.	
---	IRRIGATION MAINLINE: PVC SCHEDULE 40 PVC SCHEDULE 40 IRRIGATION PIPE.	
⊙	Valve Callout Valve Number Valve GPM Valve Size	



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