2020

City of Scottsdale

PUBLIC WORKS CONSTRUCTION MAG UNIFORM STANDARD DETAILS SUPPLEMENT TO for

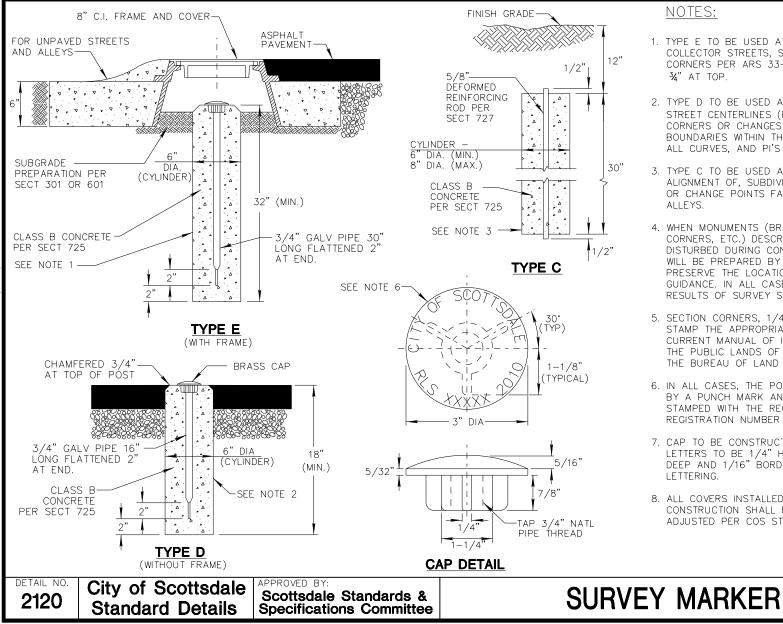


EFFECTIVE: DECEMBER 10, 2020

2100 SE Genera	ERIES L INFORMATION	2100 SE Genera	ERIES L INFORMATION (CONT'D)	2200 SI Street	ERIES INFORMATION	
2120*	SURVEY MARKER	2170-1*	STREETLIGHT POLE TYPE P-1	2200	PAVEMENT REPLACEMENT	
2120	ACCESSIBLE SIGNAGE	2170 1	(SRP SERVICE AREA)	2201*	TRENCH BEDDING & BACKFILL	
21.31*	SIGN POST INSTALLATION	2170-2*	· · · · · · · · · · · · · · · · · · ·	2202*	TRENCH PLATING	
2131	RAISED PAVEMENT MARKER LAYOUT	2170 2	(SRP SERVICE AREA)	2203-1*	MICRO-TRENCH PAVEMENT REP	ACEMENT
2132-1*	MEDIAN NOSE SIGNING - TYPE A & B	2171-1*	STREETLIGHT POLE TYPE P-2		AND BACKFILL	
2133-2*	MEDIAN NOSE SIGNING - TIPE A & B	2171-1	(APS SERVICE AREA)	2203-2*	FIBER OPTIC CURB MARKER	
2133-21	STREET NAME SIGNS - TYPE A	2171-2*		2207*	RESIDENTIAL UNPAVED ROAD	
2134-2*	STREET NAME SIGNS - TYPE B	21/1 2	(APS SERVICE AREA)	2220*	CURB AND GUTTER - TYPES A	& В
2134-3	STREET NAME SIGNS - 18" METRO	2172*	STREETLIGHT POLE TYPE P-3	2225*	MEDIAN NOSE & REVERSE CUR	
2134-4	STREET NAME SIGNS - 24" METRO	2172	STREETLIGHT POLE TYPE P-4	2226*	MEDIAN NOSE DETAILS	
2134 4	DIRECTIONAL STREET NAME SIGN	2170	SCOTTSDALE TRAFFIC SIGNAL POLE TYPE QS	2228*	CUT-OFF WALL	
2135	STREET NAME SIGN W/STOP INSTALLATION	2181*	SCOTTSDALE TRAFFIC SIGNAL POLE TYPE JS	2230	SIDEWALK CUTOUT FOR UTILITY	POLES
2136	ADVANCE STREET NAME SIGNS	2182*	SCOTTSDALE TRAFFIC SIGNAL POLE	2231*	DETECTABLE WARNING SURFACE	
2137	LOOP DETECTORS	2102	TYPE JS MOD	2233*	HALF PARALLEL CURB RAMP	
2138	SIGNAL POLE DRILLING DETAIL	2183*	SCOTTSDALE TRAFFIC SIGNAL POLE	2234*	SHARED CURB RAMP	
2139	TRAFFIC SIGNAL CONTROLLER CABINET	2100	TYPE QS, JS, & JS MOD DETAILS	2236*	TRAIL PAVEMENT TRANSITION	
2100	EXTENDER	2184*	SCOTTSDALE TRAFFIC SIGNAL POLE TYPE RS	2237*	SIDEWALK PAVERS (NON-TRAFF	IC BEARING)
2140	MODEL 330 INPUT RACK WIRING INSTRUCTIONS		SCOTTSDALE TRAFFIC SIGNAL POLE TYPE KS	2239*	MEDIAN CONCRETE PAVERS	
2141	TAPE COLOR CODES FOR TRAFFIC SIGNAL	2186*	SCOTTSDALE TRAFFIC SIGNAL POLE	2241*	BICYCLE EXIT / ENTRANCE RAM	1P
2	WIRING	2.00	TYPE KS MOD	2250-1*	DRIVEWAY ENTRANCES - RESID	ENTIAL
2146-1*	REFUSE ENCLOSURE	2187*	SCOTTSDALE POLE TYPE RS, KS &		ATTACHED SIDEWALK	
2146-2	REFUSE ENCLOSURE WITH GREASE		KS MOD DETAILS	2250-2*	DRIVEWAY ENTRANCE - RESIDE	NTIAL
	CONTAINMENT AREA	2188*	POLE FOUNDATION – QS, RS, JS,		DETACHED AND NO SIDEWALK	
2147-1	DOUBLE REFUSE ENCLOSURE		JS MOD, K, & KS MOD	2251-1*	DRIVEWAY ENTRANCE - COMME	RCIAL/
2147-2	DOUBLE REFUSE ENCLOSURE WITH GREASE	2189-1*	SCOTTSDALE TRAFFIC SIGNAL POLE TYPE A		INDUSTRIAL ATTACHED SIDEWAL	K
	CONTAINMENT AREA	2189-2*	SCOTTSDALE TRAFFIC SIGNAL POLE TYPE A	2251-2*	DRIVEWAY ENTRANCE - COMME	RCIAL/
2165-1	16' SLIDING GATE & HINGED DOOR	2190-1*	SCOTTSDALE PED POLE		INDUSTRIAL DETACHED SIDEWAL	k and no
2165-2	16' SLIDING GATE	2190-2*	SCOTTSDALE PED POLE		SIDEWALK	
		2191-1*	SCOTTSDALE TRAFFIC SIGNAL POLE TYPE G	2255*	RESIDENTIAL DRIVEWAYS	
		2191-2*	SCOTTSDALE TRAFFIC SIGNAL POLE TYPE G	2256*	COMMERCIAL/INDUSTRIAL LOW V DRIVEWAYS	/OLUME
				2257-1*	COMMERCIAL/INDUSTRIAL HIGH DRIVEWAYS	VOLUME
				2257-2*	COMMERCIAL/INDUSTRIAL HIGH DRIVEWAYS	VOLUME
			NOTE:	* - NEW 0	R REVISED DETAIL FOR 2020 SU	JPPLEMENT
DETAIL NO.	City of Scottsdale					DETAIL NO.
2100-1		Standards		DEX		2100-1
	Standard Details Specification	is Commit				

2263-2* BUS SHELTER 2305-2* BUT 2263-3* BUS SHELTER 2315 NON 2263-4* BUS SHELTER 2330 WAT 2263-5* BUS SHELTER 2332 CHU 2263-6* BUS SHELTER 2332 CHU 2263-7* BUS SHELTER 2342-1* PRE 2264-7* SCOTTSDALE ROAD BUS SHELTER 2342-2* PRE 2264-2* SCOTTSDALE ROAD BUS SHELTER 2345-2* 3", 2264-4* SCOTTSDALE ROAD BUS SHELTER 2345-2* 3", 2264-5* SCOTTSDALE ROAD BUS SHELTER 2348* 2" A 2264-6* SCOTTSDALE ROAD BUS SHELTER 2348* 2" A 2264-7* SCOTTSDALE ROAD BUS SHELTER 2351 DOU 2264-8* SCOTTSDALE ROAD BUS SHELTER 2352 DOU 2264-9* SCOTTSDALE ROAD BUS SHELTER 2352 DOU 2264-10* SCOTTSDALE ROAD BUS SHELTER 2352 DOU 2264-10* SCOTTSDALE ROAD BUS SHELTER 2352 DOU <tr< th=""><th>ERFLY VALVE OPERATOR MANHOLE ERFLY VALVE OPERATOR MANHOLE POTABLE WATER VALVE BOX & COVER IN ERVICE LINE CONNECTION IN INJECTION TAP FOR FUTURE CHLORINE INJECTION SSURE REDUCING VALVE ", 6" WATER CALVE ", 6" WATER METER ", 7" WATER METER METER ",</th><th>2360 2361 2362-1* 2362-2* 2363 2364 2365 2366 2366 2367</th><th>INFORMATION (CONT'D) "N" SHAPED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY FOR ASSEMBLIES 3" THRU 10" FIRE HYDRANT BYPASS ASSEMBLY 1½" TO 2" FIRE LINE CONNECTION 3" AND LARGER FIRE LINE CONNECTION PAVEMENT MARKERS FOR FIRE HYDRANTS FIRE AND EMERGENCY ACCESS AND DELINEATION FIRE LANE SIGN CONCRETE COLLAR FOR FIRE HYDRANTS FIRE DEPARTMENT REMOTE SIAMESE CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY TEMPORARY WATER SUPPLY HYDRANT</th></tr<>	ERFLY VALVE OPERATOR MANHOLE ERFLY VALVE OPERATOR MANHOLE POTABLE WATER VALVE BOX & COVER IN ERVICE LINE CONNECTION IN INJECTION TAP FOR FUTURE CHLORINE INJECTION SSURE REDUCING VALVE ", 6" WATER CALVE ", 6" WATER METER ", 7" WATER METER METER ",	2360 2361 2362-1* 2362-2* 2363 2364 2365 2366 2366 2367	INFORMATION (CONT'D) "N" SHAPED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY FOR ASSEMBLIES 3" THRU 10" FIRE HYDRANT BYPASS ASSEMBLY 1½" TO 2" FIRE LINE CONNECTION 3" AND LARGER FIRE LINE CONNECTION PAVEMENT MARKERS FOR FIRE HYDRANTS FIRE AND EMERGENCY ACCESS AND DELINEATION FIRE LANE SIGN CONCRETE COLLAR FOR FIRE HYDRANTS FIRE DEPARTMENT REMOTE SIAMESE CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY TEMPORARY WATER SUPPLY HYDRANT
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2264-1*SCOTTSDALE ROAD BUS SHELTER2342-2*PRE2264-2*SCOTTSDALE ROAD BUS SHELTER2345-1*3",2264-3*SCOTTSDALE ROAD BUS SHELTER2345-2*3",2264-4*SCOTTSDALE ROAD BUS SHELTER2346TEM2264-5*SCOTTSDALE ROAD BUS SHELTER2348*2" A2264-6*SCOTTSDALE ROAD BUS SHELTER2349WAT2264-7*SCOTTSDALE ROAD BUS SHELTER2349WAT2264-7*SCOTTSDALE ROAD BUS SHELTER2351DOU2264-8*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-9*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-11*SCOTTSDALE ROAD BUS SHELTER2353RED2266-2*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE B3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGPRE21/2283*MULTI-USE CONCRETE PATH21/2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL23572291-2*SPEED CUSHION DETAIL23582292-2*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	SURE REDUCING VALVE ", 6" WATER METER ", 6" WATER METER "ORARY CONSTRUCTION METER IR/VACUUM RELEASE VALVE CR QUALITY SAMPLING STATION BLE CHECK VALVE BACKFLOW PREVENTION MBLY FOR ASSEMBLIES 3" THRU 10" BLE CHECK VALVE BACKFLOW PREVENTION MBLY FOR ASSEMBLIES 3/4" THRU "" ICED PRESSURE PRINCIPLE BACKFLOW ANTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW ANTION ASSEMBLY FOR 3/4" THROUGH	2363 2364 2365 2366 2367 2368 2369 2370 2372 2374	PAVEMENT MARKERS FOR FIRE HYDRANTS FIRE AND EMERGENCY ACCESS AND DELINEATION FIRE LANE SIGN CONCRETE COLLAR FOR FIRE HYDRANTS FIRE DEPARTMENT REMOTE SIAMESE CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
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2264-2*SCOTTSDALE ROAD BUS SHELTER2345-1*3",2264-3*SCOTTSDALE ROAD BUS SHELTER2345-2*3",2264-4*SCOTTSDALE ROAD BUS SHELTER2346TEM2264-5*SCOTTSDALE ROAD BUS SHELTER2348*2" A2264-6*SCOTTSDALE ROAD BUS SHELTER2349WAT2264-7*SCOTTSDALE ROAD BUS SHELTER2351DOU2264-8*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-9*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTER21,2266-1*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGPRE21,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAILWITH2292-2*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	4, 6" WATER METER PORARY CONSTRUCTION METER IR/VACUUM RELEASE VALVE IR QUALITY SAMPLING STATION BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3" THRU 10" BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW	2365 2366 2367 2368 2369 2370 2372 2374	DELINEATION FIRE LANE SIGN CONCRETE COLLAR FOR FIRE HYDRANTS FIRE DEPARTMENT REMOTE SIAMESE CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2264-3*SCOTTSDALE ROAD BUS SHELTER2345-2*3",2264-4*SCOTTSDALE ROAD BUS SHELTER2346TEM2264-5*SCOTTSDALE ROAD BUS SHELTER2348*2" A2264-6*SCOTTSDALE ROAD BUS SHELTER2349WAT2264-7*SCOTTSDALE ROAD BUS SHELTER2351DOU2264-8*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-9*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTER2353RED2264-11*SCOTTSDALE ROAD BUS SHELTER2353RED2266-1*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE A2354*RED2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*REDSIGNINGPRE2355PRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN2355PRE2285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS2356GUA2290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL2357FILL2291-2*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	4, 6" WATER METER PORARY CONSTRUCTION METER IR/VACUUM RELEASE VALVE IR QUALITY SAMPLING STATION BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3" THRU 10" BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW ICED PRESSURE PRINCIPLE BACKFLOW	2366 2367 2368 2369 2370 2372 2374	FIRE LANE SIGN CONCRETE COLLAR FOR FIRE HYDRANTS FIRE DEPARTMENT REMOTE SIAMESE CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2264-5*SCOTTSDALE ROAD BUS SHELTER2348*2" A2264-6*SCOTTSDALE ROAD BUS SHELTER2349WAT2264-7*SCOTTSDALE ROAD BUS SHELTER2351DOU2264-8*SCOTTSDALE ROAD BUS SHELTERASS2264-9*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-11*SCOTTSDALE ROAD BUS SHELTER2353RED2266-1*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAILWITH2292-2*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	IR/VACUUM RELEASE VALVE IR QUALITY SAMPLING STATION BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3" THRU 10" BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW ICED ASSEMBLY FOR 3/4" THROUGH	2366 2367 2368 2369 2370 2372 2374	CONCRETE COLLAR FOR FIRE HYDRANTS FIRE DEPARTMENT REMOTE SIAMESE CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2264-5*SCOTTSDALE ROAD BUS SHELTER2348*2" A2264-6*SCOTTSDALE ROAD BUS SHELTER2349WAT2264-7*SCOTTSDALE ROAD BUS SHELTER2351DOU2264-8*SCOTTSDALE ROAD BUS SHELTERASS2264-9*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-11*SCOTTSDALE ROAD BUS SHELTER2353RED2266-1*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*REDSIGNINGPRE2483*MULTI-USE PATH WET CROSSING SIGN2355PRE2283*DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS2356GUA2290-2*TRAFFIC CALMING DETAILS2357FILL2357FILL2291-1*SPEED CUSHION DETAIL2358BAC2292-2*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILS2358BAC2292-2*TAN	R QUALITY SAMPLING STATION BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3" THRU 10" BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR 3/4" THROUGH	2367 2368 2369 2370 2372 2374	FIRE DEPARTMENT REMOTE SIAMESE CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
22646*SCOTTSDALE ROAD BUS SHELTER2349WAT22647*SCOTTSDALE ROAD BUS SHELTER2351DOU22648*SCOTTSDALE ROAD BUS SHELTERASS22649*SCOTTSDALE ROAD BUS SHELTER2352DOU226410*SCOTTSDALE ROAD BUS SHELTERASS226411*SCOTTSDALE ROAD BUS SHELTER21122661*BUS BAY - TYPE A235322662*BUS BAY - TYPE BPRE22663*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562291-1*SPEED CUSHION DETAIL23572291-2*SPEED CUSHION DETAIL23582292-2*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	R QUALITY SAMPLING STATION BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3" THRU 10" BLE CHECK VALVE BACKFLOW PREVENTION IMBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR 3/4" THROUGH	2368 2369 2370 2372 2374	CONNECTION FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2264-8*SCOTTSDALE ROAD BUS SHELTERASS2264-9*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTERASS2264-11*SCOTTSDALE ROAD BUS SHELTER21,2266-1*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*REDSIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN2355PRE2285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS2356GUA2290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL2357FILL2292-2*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	MBLY FOR ASSEMBLIES 3" THRU 10" BLE CHECK VALVE BACKFLOW PREVENTION MBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR 3/4" THROUGH	2369 2370 2372 2374	FIRE SPRINKLER RISER DETAIL WITH REMOTE FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2264-9*SCOTTSDALE ROAD BUS SHELTER2352DOU2264-10*SCOTTSDALE ROAD BUS SHELTERASS2264-11*SCOTTSDALE ROAD BUS SHELTER2112266-1*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562291-1*SPEED CUSHION DETAIL23572291-2*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	BLE CHECK VALVE BACKFLOW PREVENTION MBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR 3/4" THROUGH	2369 2370 2372 2374	FD CONNECTION FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2264-10*SCOTTSDALE ROAD BUS SHELTERASS2264-11*SCOTTSDALE ROAD BUS SHELTER2 1,2266-1*BUS BAY - TYPE A23532266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGSIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562291-1*SPEED CUSHION DETAIL23572291-2*SPEED CUSHION DETAILWITH2292-2*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	MBLY FOR ASSEMBLIES 3/4" THRU 2" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR 3/4" THROUGH	2370 2372 2374	FIRE SPRINKLER RISER DETAIL WITH WALLMOUNT FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2264-10*SCOTTSDALE ROAD BUS SHELTERASS2264-11*SCOTTSDALE ROAD BUS SHELTER2 1,2266-1*BUS BAY - TYPE A23532266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGSIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562291-1*SPEED CUSHION DETAIL23572291-2*SPEED CUSHION DETAILWITH2292-2*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	2" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW (ENTION ASSEMBLY FOR 3/4" THROUGH	2370 2372 2374	FD CONNECTION VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2266-1*BUS BAY - TYPE A2353RED2266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*REDSIGNINGSIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN2355PRE2285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS2356GUA2291-2*SPEED CUSHION DETAIL2357FILL2291-2*SPEED CUSHION DETAIL2358BAC2292-2*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	ICED PRESSURE PRINCIPLE BACKFLOW ÆNTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW ÆNTION ASSEMBLY FOR 3/4" THROUGH	2372 2374	VERTICAL REALIGNMENT OF WATER MAINS MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2266-2*BUS BAY - TYPE BPRE2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND2354*SIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN2355DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS2356GUAQ291-2*SPEED CUSHION DETAILASS2291-2*SPEED CUSHION DETAIL23572292-1*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	'ENTION ASSEMBLY FOR ASSEMBLIES HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW 'ENTION ASSEMBLY FOR 3/4" THROUGH	2372 2374	MINIMUM UTILITY SEPARATION REQUIREMENTS REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2266-3*OPEN END BUS BAY3" T2282*MULTI-USE PATH STRIPING AND SIGNING2354*RED PRE2283*MULTI-USE CONCRETE PATH2 1, 2284*2284*MULTI-USE PATH WET CROSSING SIGN2355PRE 23552285DOUBLE BICYCLE RACKASS 2290-1*TRAFFIC CALMING DETAILS23562290-2*TRAFFIC CALMING DETAILSASS 2357FILL2291-2*SPEED CUSHION DETAIL2357FILL2292-1*SPEED TABLE DETAILS2358BAC 23582292-2*SPEED TABLE DETAILSTAN	HRU 10" ICED PRESSURE PRINCIPLE BACKFLOW ÆNTION ASSEMBLY FOR 3/4" THROUGH	2374	REMOTE FIRE DEPARTMENT CONNECTION TO BACKFLOW PREVENTION ASSEMBLY
2282*MULTI-USE PATH STRIPING AND SIGNING2354*REDI PRE2283*MULTI-USE CONCRETE PATH21,2284*MULTI-USE PATH WET CROSSING SIGN2355PRE2285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS2356GUA2290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL2357FILL2291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	ICED PRESSURE PRINCIPLE BACKFLOW /ENTION ASSEMBLY FOR 3/4" THROUGH		TO BACKFLOW PREVENTION ASSEMBLY
SIGNINGPRE2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562291-2*SPEED CUSHION DETAILASS2291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	ENTION ASSEMBLY FOR 3/4" THROUGH	2380	
2283*MULTI-USE CONCRETE PATH2 1,2284*MULTI-USE PATH WET CROSSING SIGN23552285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL23572291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN			
2284*MULTI-USE PATH WET CROSSING SIGN2355PRE2285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS23562290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL23572291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS23582292-2*SPEED TABLE DETAILSTAN	'?"		METER ASSEMBLY
2285DOUBLE BICYCLE RACKASS2290-1*TRAFFIC CALMING DETAILS2356GUA2290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL2357FILL2291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	2	2381	TEMPORARY BLOW-OFF FOR WATER SUPPLY
2290-1*TRAFFIC CALMING DETAILS2356GUA2290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL2357FILL2291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	SURE VACUUM BREAKER ASSEMBLY FOR	2382	TEMPORARY WATER SERVICE
2290-2*TRAFFIC CALMING DETAILSASS2291-1*SPEED CUSHION DETAIL2357FILL2291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	MBLIES 1/2" THRU 2"	2383	WATER LINE FLUSHING ASSEMBLY
2291-1*SPEED CUSHION DETAIL2357FILL2291-2*SPEED CUSHION DETAILWITH2292-1*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	RD POSTS FOR BACKFLOW PREVENTION	2397	ELECTRONIC BALLMARKER PLACEMENT
2291-2*SPEEDCUSHIONDETAILWITH2292-1*SPEEDTABLEDETAILS2358BAC2292-2*SPEEDTABLEDETAILSTAN	MBLIES	2398	ANTENNA MAST DETAIL
2292-1*SPEED TABLE DETAILS2358BAC2292-2*SPEED TABLE DETAILSTAN	PIPE DETAILS FOR PORTABLE TANKS	2399	TEMPORARY TAP FOR CHLORINE INJECTION
2292–2* SPEED TABLE DETAILS TAN	AIR GAP SEPARATION		
	FLOW PREVENTION METHOD FOR PORTABL	.E	
	S WITH NO AIR GAP SEPARATION		
2293 MID-BLOCK PEDESTRIAN TABLE 2359 "N"	SHAPED DOUBLE CHECK VALVE		
2294 INTERSECTION PEDESTRIAN TABLE BAC	FLOW PREVENTION ASSEMBLY FOR		
2295* PEDESTRIAN REFUGE ASS	MBLIES 3" THRU 10"		
DETAIL NO. City of Scottsdale APPROVED BY:	N	OTE: * - NE	W OR REVISED DETAIL FOR 2020 SUPPLEMENT
2100-2 Standard Details Scottsdale Standards		ote: * – ne	W OR REVISED DETAIL FOR 2020 SUPPLEMENT DETAIL NO.

2400 S Sanita	SERIES RY SEWER INFORMATION	2600 SI LANDSC	ERIES APE, IRRIGATION, & TRAIL INFO	2600 S Lands(ERIES CAPE, IRRIGATION, & TRAIL INFO
2401* 2402 2403* 2404* 2405* 2420 2421* 2460 2500 S STORM 2508* 2515-1* 2515-2* 2535 2554 2560-1 2560-3 2562-1 2562-1	SANITARY SEWER SEPARATION / PROTECTION FROM WATER & UTILITY FORCE MAIN DISCHARGE MANHOLE TWO-WAY FORCE MAIN CLEANOUT FORCE MAIN CLEANOUT WITH SEWAGE AIR RELEASE VALVE SEWER AIR RELEASE VALVE WATER TIGHT CONCRETE SEWER MANHOLE 24" & 30" CAST IRON MANHOLE COVER MONITORING/SAMPLING VAULT SERIES DRAIN INFORMATION HANDRAIL DETAIL WALL OPENING CATCH BASIN GRATES CONCRETE INVERT PAVING FOR CORRUGATED METAL PIPE AND PIPE ARCH STORM DRAIN INLET MARKER STORM DRAIN INLET MARKER ON HEADWALL STORM DRAIN INLET MARKER ON CATCH BASIN/SCUPPER STORM SEWER OUTFALL ACCESS BARRIER BARRIER SPECIFICATIONS SCHEDULE	2600-1 2600-2 2620-1 2620-3 2620-4 2622* 2625* 2626* 2627* 2628* 2629* 2631* 2632* 2632* 2633* 2634* 2635-1* 2635-2*	MINIMUM TREE SIZE REQUIREMENTS MINIMUM TREE SIZE REQUIREMENTS LANDSCAPE DETAILS LANDSCAPE DETAILS LANDSCAPE DETAILS LANDSCAPE CONCRETE HEADER BASELINE CONNECTING FIELD SURGE PROTECTION DIAGRAM GROUND DETAIL FOR BASELINE IRRIGATION CONTROLLER WITH P-SERIES PEDISTAL TWO-WIRE MASTER VALVE AND FLOW SENSOR ASSEMBLY TWO-WIRE REMOTE CONTROL VALVE ASSEMBLY AND GROUND DETAIL TWO-WIRE REMOTE CONTROL VALVE ASSEMBLY BASESTATION 3200 PEDISTAL MOUNTED CONTROLLER SUBSTATION PEDISTAL MOUNTED CONTROLLER SUBSTATION WALL MOUNTED CONTROLLER BASESTATION 3200 WALL MOUNTED CONTROLLER SOLAR CONTROLLER SOLAR CONTROLLER AND BACKFLOW PREVENTER ENCLOSURE	2636* 2641-1* 2641-2* 2642 2643 2644 2645 2646 2647 2648 2649* 2650* 2651* 2653* 2654* 2655 2656 2680-1 2680-2 2681 2682 2683* 2684	IRRIGATION PUSH BUTTON CONTROL MULTI-OUTLET EMITTERS IRRIGATION EMITTER LAYOUT IRRIGATION TRENCHING IRRIGATION TRENCHING IRRIGATION THRUST BLOCK ROTOR SPRINKLER ASSEMBLY POP-UP SPRINKLER ASSEMBLY SHRUB POP-UP SPRINKLER ASSEMBLY DRIP FILTER & PRESSURE REGULATOR EMITTER FLUSH CAP ASSEMBLY QUICK COUPLER ASSEMBLY 1½" & SMALLER MAINLINE BALL VALVE 2" & LARGER MAINLINE BALL VALVE 2" & LARGER MAINLINE ISOLATION GATE VALVE 1½" & LARGER MASTER VALVE/FLOW METER REMOTE CONTROL VALVE AND SOLAR CONTROLLER MASTER VALVE ASSEMBLY TYPICAL IRRIGATION WIRE CONNECTION IRRIGATION WIRE SLEEVING CHART TRAIL ACCESS GATES TRAIL ACCESS GATES TRAIL SAFETY BARRIERS TRAIL SIGNS TRAIL MARKER SIGN
DETAIL NO	City of Scottsdale Scottsda	le Standard tions Comm	IS & [nte: * - new	OR REVISED DETAIL FOR 2020 SUPPLEMENT DETAIL NO 2100-3



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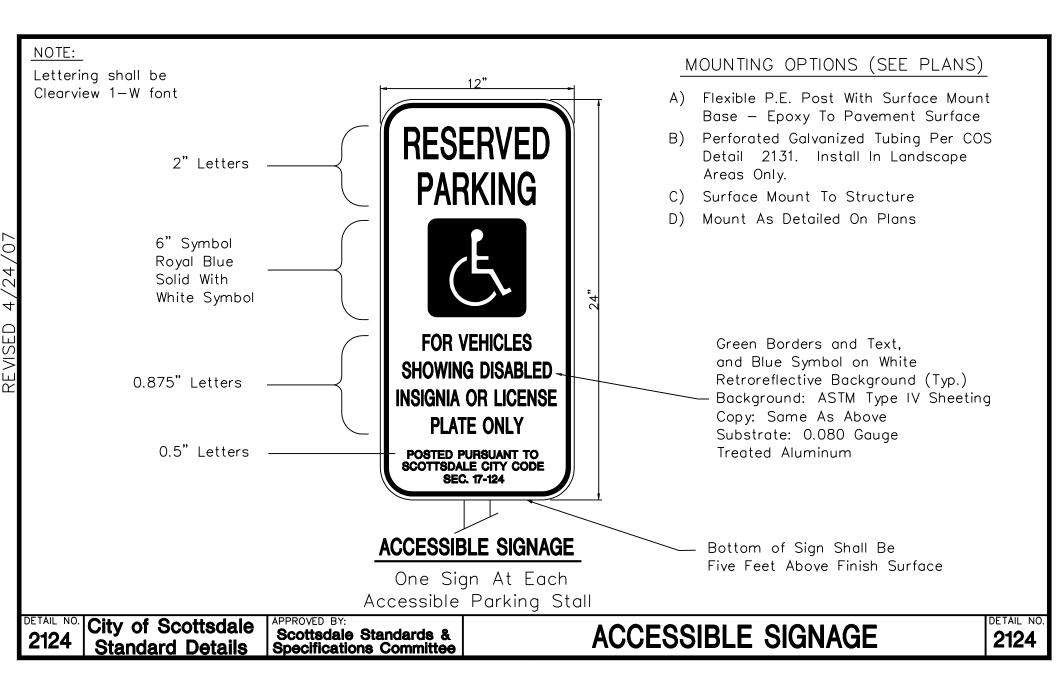
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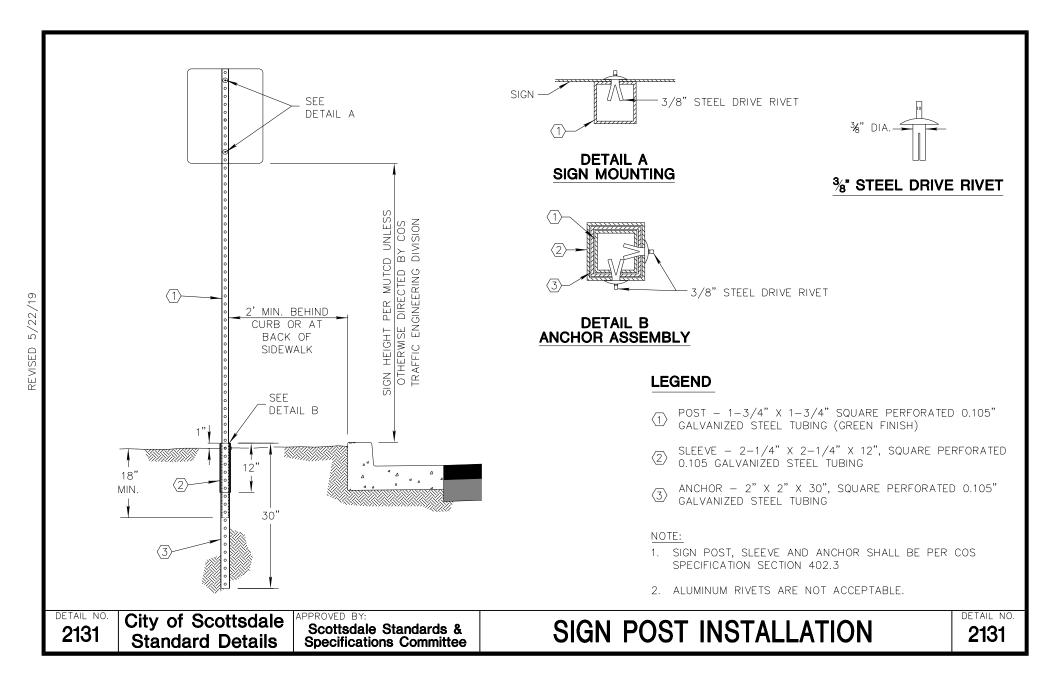
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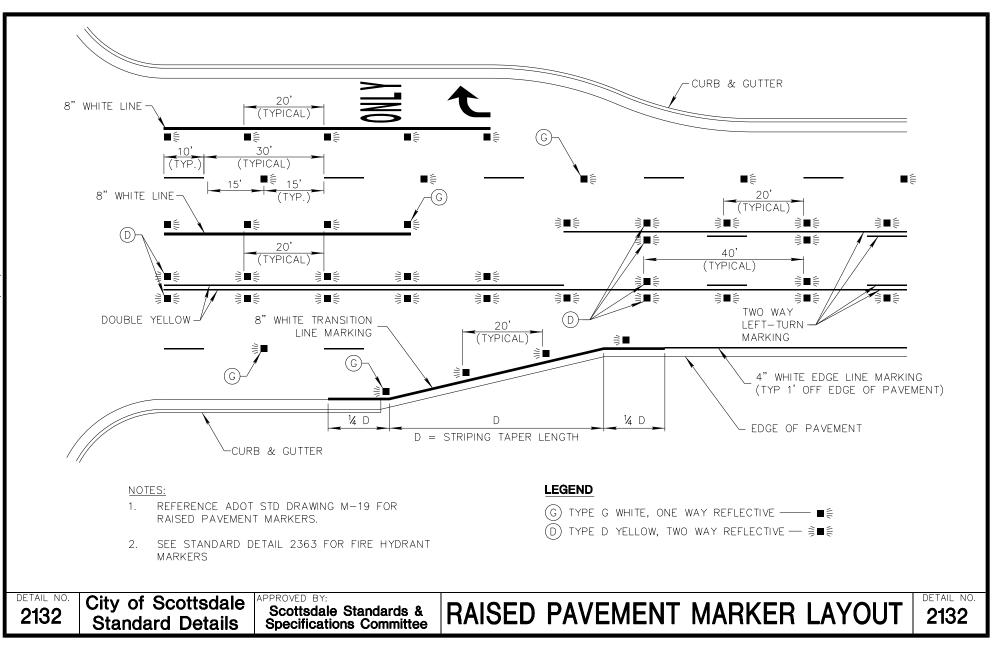
- 1. TYPE E TO BE USED AT INTERSECTIONS OF MAJOR STREETS, COLLECTOR STREETS, SECTION AND QUARTER SECTION CORNERS PER ARS 33–103. CONCRETE POST IS CHAMFERED $\frac{3}{4}$ " AT TOP.
- 2. TYPE D TO BE USED AT $\frac{1}{16}$ TH CORNERS, INTERSECTIONS OF STREET CENTERLINES (EXCEPT WHERE TYPE E IS SPECIFIED), CORNERS OR CHANGES IN ALIGNMENT OF SUBDIVISION BOUNDARIES WITHIN THE ASPHALT SECTION, PC'S & PT'S OF ALL CURVES, AND PI'S WHEN WITHIN THE PAVED SECTION.
- 3. TYPE C TO BE USED AT CORNERS OF, AND CHANGE IN ALIGNMENT OF, SUBDIVISION BOUNDARIES WHERE CORNERS OR CHANGE POINTS FALL OUTSIDE OF PAVED AREAS OR IN ALLEYS.
- 4. WHEN MONUMENTS (BRASS CAP, HAND HOLE AND SECTION CORNERS, ETC.) DESCRIBED IN NOTES #1, #2 & #3 WILL BE DISTURBED DURING CONSTRUCTION, A "RESULTS OF SURVEY" WILL BE PREPARED BY A REGISTERED LAND SURVEYOR TO PRESERVE THE LOCATION. SEE MAG SECTION 405 FOR GUIDANCE. IN ALL CASES WHEN MONUMENTS ARE SET, A RESULTS OF SURVEY SHALL BE RECORDED.
- SECTION CORNERS, 1/4 CORNERS AND WHEN APPLICABLE, STAMP THE APPROPRIATE PUBLIC LAND MARKINGS PER CURRENT MANUAL OF INSTRUCTIONS FOR THE SURVEY OF THE PUBLIC LANDS OF THE UNITED STATES, PREPARED BY THE BUREAU OF LAND MANAGEMENT.
- 6. IN ALL CASES, THE POINT SURVEYED SHALL BE IDENTIFIED BY A PUNCH MARK AND IN ADDITION THE CAP SHALL BE STAMPED WITH THE REGISTERED LAND SURVEYOR (RLS) REGISTRATION NUMBER AND YEAR.
- 7. CAP TO BE CONSTRUCTED OF RED BRASS OR BRONZE. LETTERS TO BE 1/4" HIGH, APPROX. 1/32" WIDE, 1/32" DEEP AND 1/16" BORDER FROM EDGE OF CAP TO TOP OF LETTERING.
- 8. ALL COVERS INSTALLED, ADJUSTED OR REPLACED DURING CONSTRUCTION SHALL READ "SURVEY" PER MAG 270 AND ADJUSTED PER COS STANDARD DETAIL 2270.

DETAIL NO.

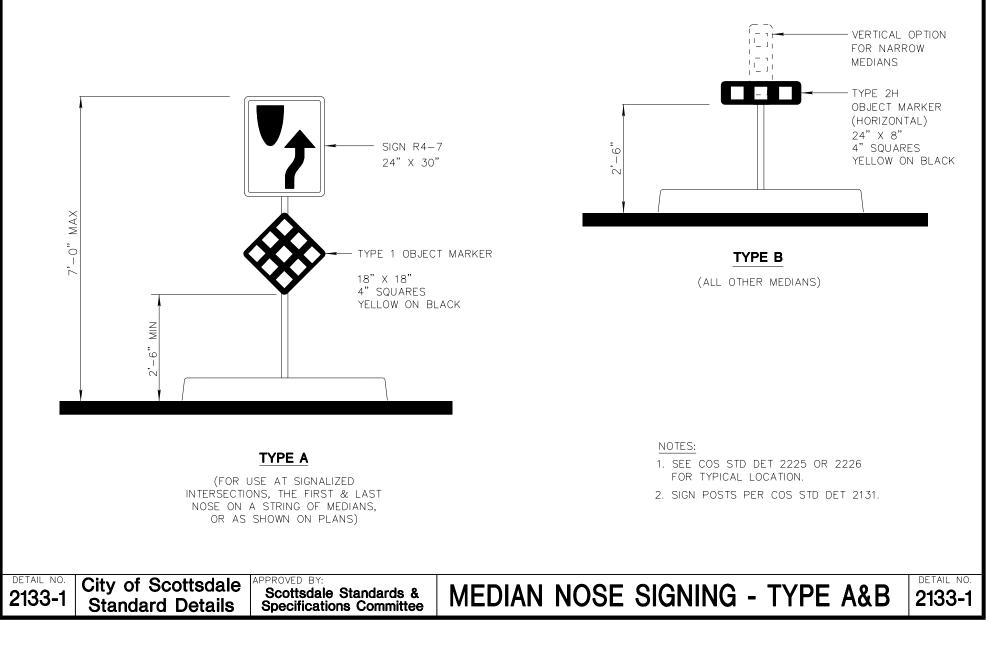
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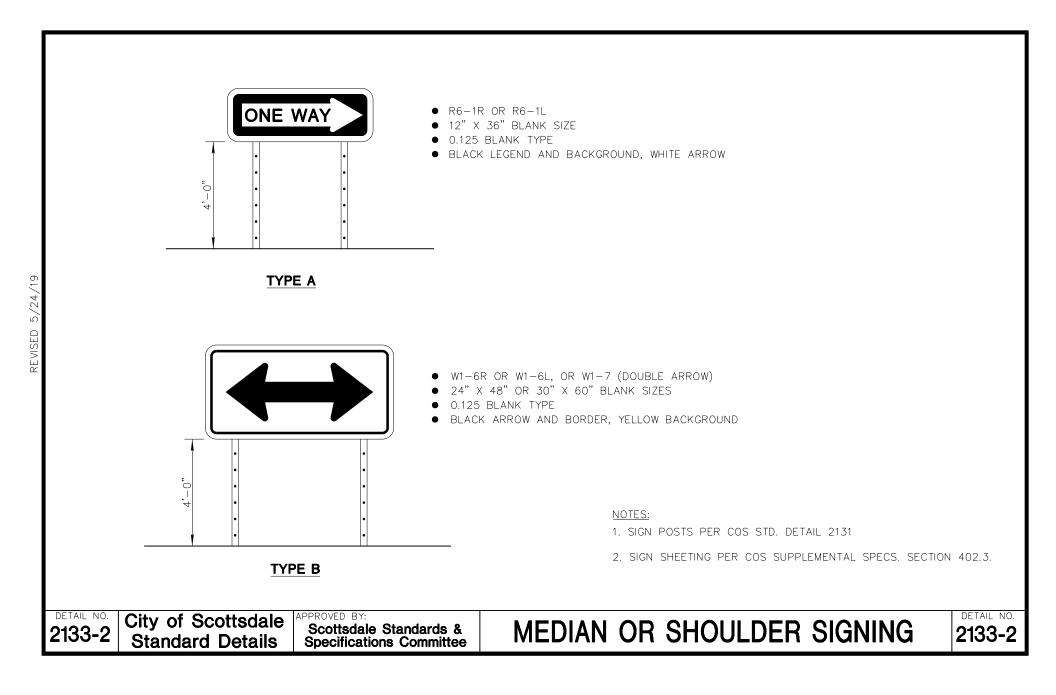


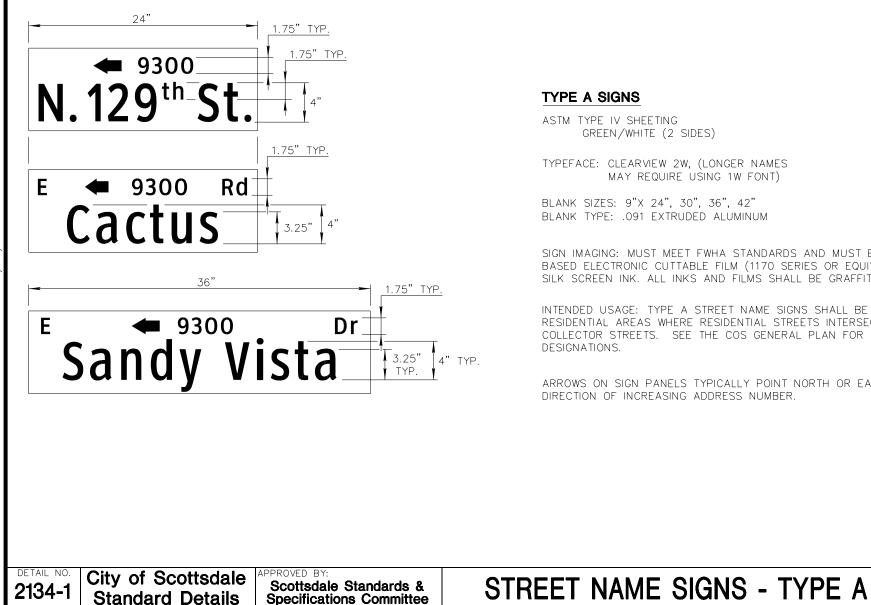


REVISED 5/23/19



REVISED 5/24/19





TYPE A SIGNS

ASTM TYPE IV SHEETING GREEN/WHITE (2 SIDES)

TYPEFACE: CLEARVIEW 2W, (LONGER NAMES MAY REQUIRE USING 1W FONT)

BLANK SIZES: 9"X 24", 30", 36", 42" BLANK TYPE: .091 EXTRUDED ALUMINUM

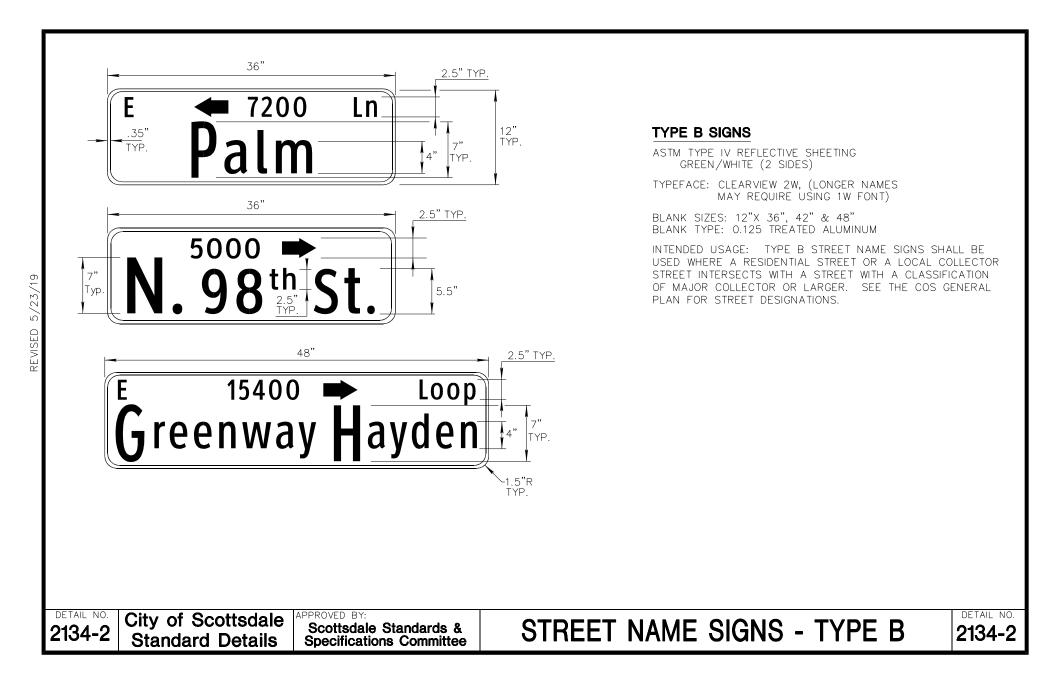
SIGN IMAGING: MUST MEET FWHA STANDARDS AND MUST BE ACRYLIC BASED ELECTRONIC CUTTABLE FILM (1170 SERIES OR EQUIVALENT) OR SILK SCREEN INK. ALL INKS AND FILMS SHALL BE GRAFFITI RESISTANT.

INTENDED USAGE: TYPE A STREET NAME SIGNS SHALL BE USED IN RESIDENTIAL AREAS WHERE RESIDENTIAL STREETS INTERSECT WITH LOCAL COLLECTOR STREETS. SEE THE COS GENERAL PLAN FOR STREET DESIGNATIONS.

DETAIL NO.

2134-1

ARROWS ON SIGN PANELS TYPICALLY POINT NORTH OR EAST IN THE DIRECTION OF INCREASING ADDRESS NUMBER.





18" METRO SIGNS

Proposed ASTM Type XI Reflective Sheeting Green/White (1 Side) Typestyle: Clearview 2-W or 3-W Blank Sizes: 18" x 48", 18" x 60", 18" x 72" Blank Type: 0.080 Treated Aluminum Intended Usage: 18" Metro Street Name Signs shall be

used on signnalized minor roads with a speed limit of 35MPH or lower. See the COS General Plan for Street Designations.

Arrows on sign panels typically point north or east in the direction of increasing address number.

SIGN FORMAT EXAMPLE FOR OPPOSING TRAFFIC

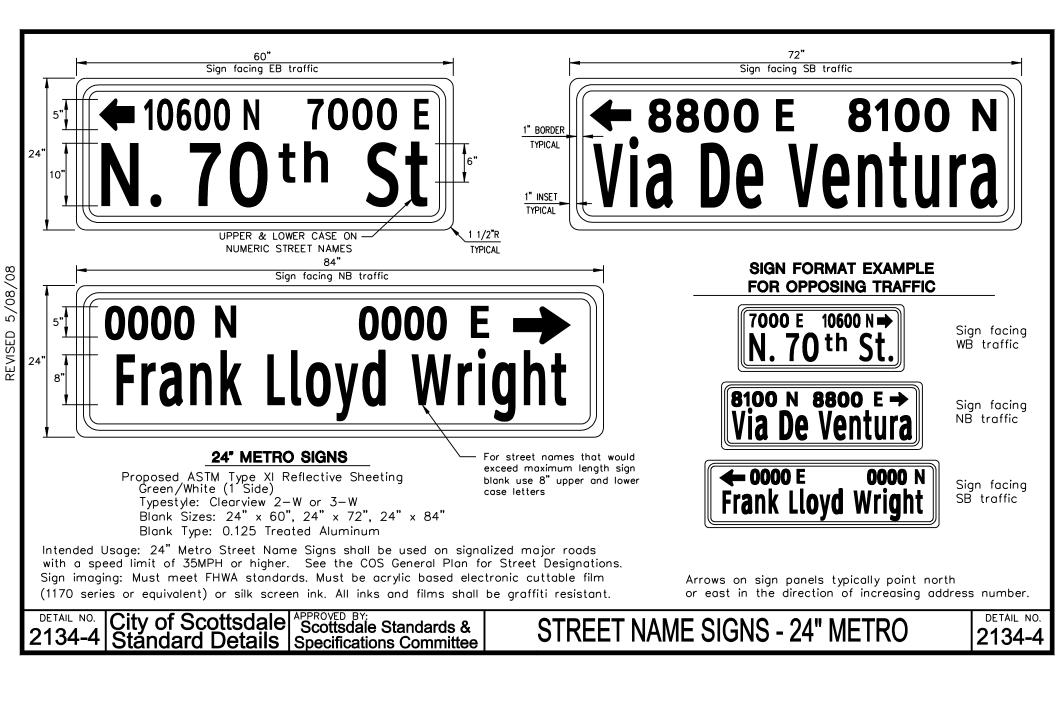


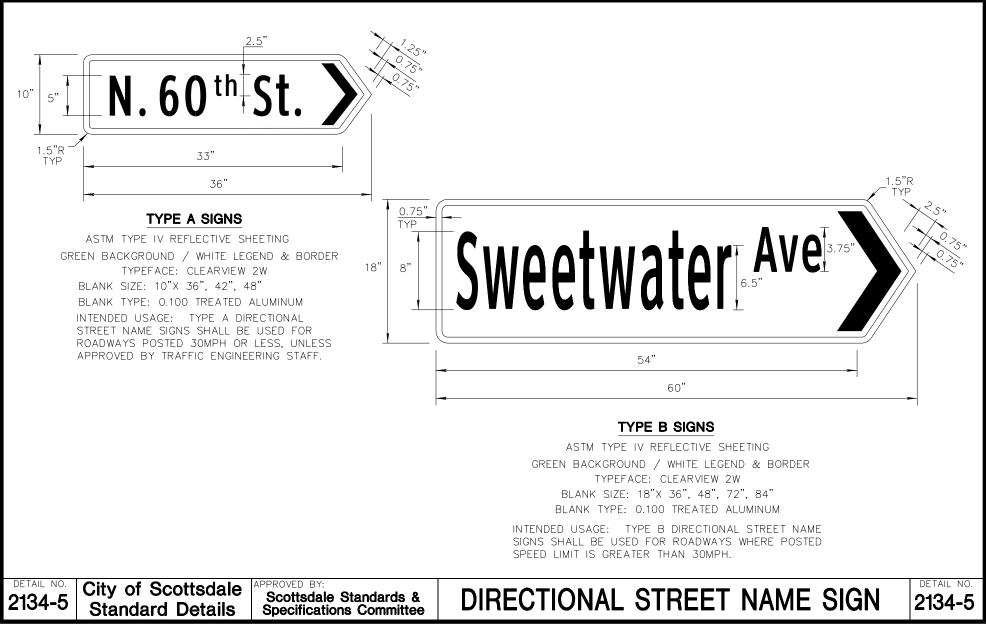
Sign facing SB traffic

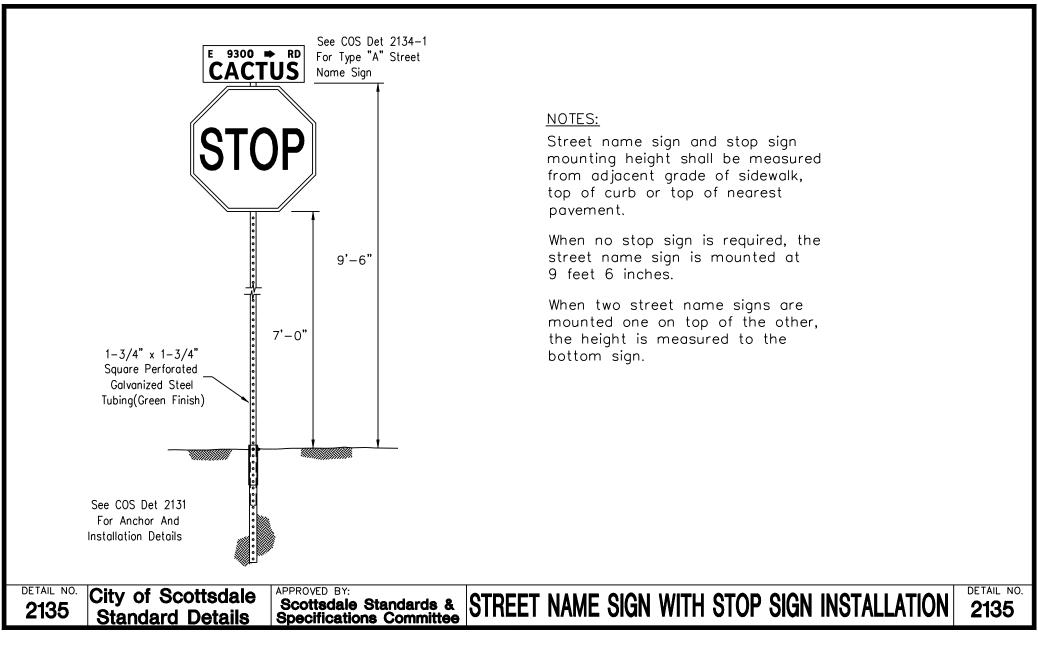
REVISED 5/08/08

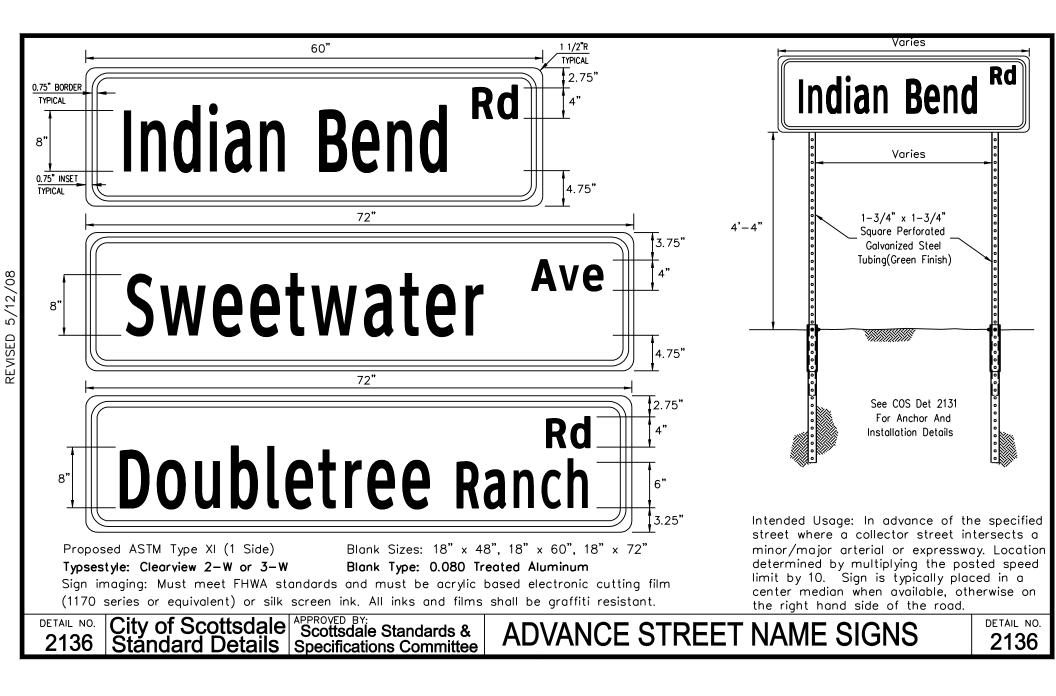
STREET NAME SIGNS - 18" METRO

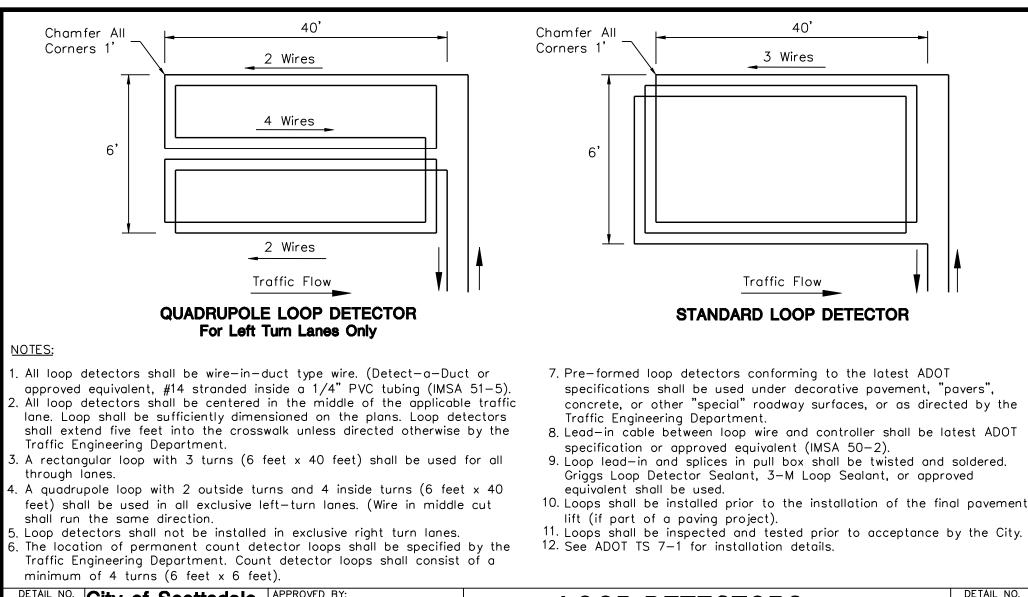








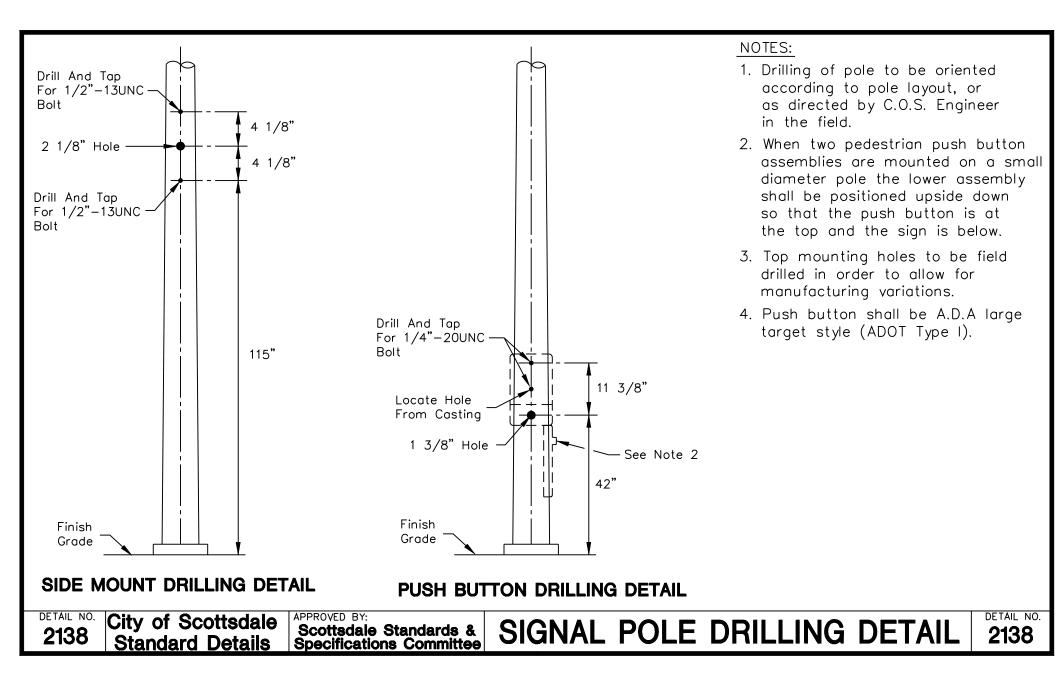


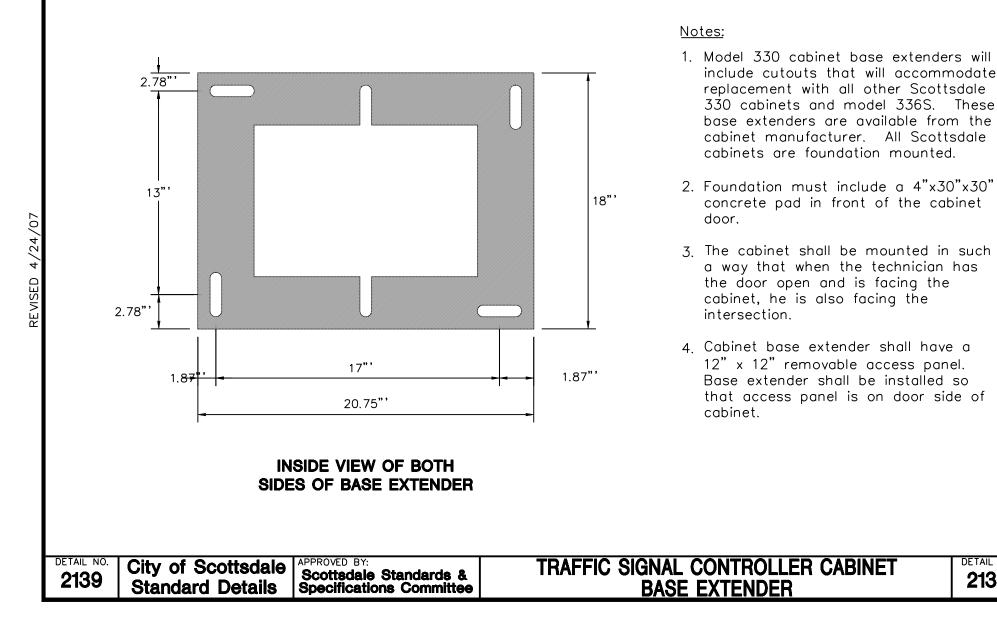


0107	City of Scottsdale	Scottsdale Standards &
2137	Standard Details	Specifications Committee

LOOP DETECTORS

DETAIL NO. 2137





DETAIL NO.

2139

Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14
1 AB Ph 1	3 AB Ph 2	5 AB Ph 3	7 AB Ph 4	9 AB Ph 5	11 AB Ph 6	13 AB Ph 7	15 AB Ph 8	17 AB 1 PPB	19 AB 3 PPB	21 AB RRPre	23 AB AdvEn		27 AE Stop Time
2 AB Ph 1	4 AB Ph 2	6 AB Ph 3	8 AB Ph 4	10 AB Ph 5	12 AB Ph 6	14 AB Ph 7	16 AB Ph 8	18 AB 5 PPB	20 AB 7 PPB	22AB Flash	24 AB Adv	26 AB EV B	28 AE 6 Cal
Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Ped Push Buttons	Ped Push Buttons			Pre- Empt	Slot 14 Slot 14

- 1. All Scottsdale model 330 cabinet input racks have 14 slots.
- 2. Slots 1-8 are for vehicle detector loops.
- 3. Phase 4 loops are terminated on slot 4 (7A&B and/or 8A&B).
- 4. Phase 4 pedestrian push button is terminated on 19A and ppb neutral on 19B.
- 5. 19B shall have a jumper to the neutral bar.
- 6. All two phase intersections are to be wired to phases 2 and 4.
- 7. Field output wiring for 2 phase signals shall be wired to 2R, 2Y, 2G and 4R, 4Y, 4G.
- 8. Ped field wiring shall be wired to 9R, 9G (Phase 2 Ped) and 10R, 10G (Phase 4 Ped).
- 9. Call COS Traffic Signals (480)312-5635 prior to wiring cabinet for instructions for intersections with more than 2 phases.

DETAIL NO. **2140**

City of Scottsdale Standard Details APPROVED BY: Scottsdale Standards & Specifications Committee

MODEL 330 INPUT RACK WIRING INSTRUCTIONS

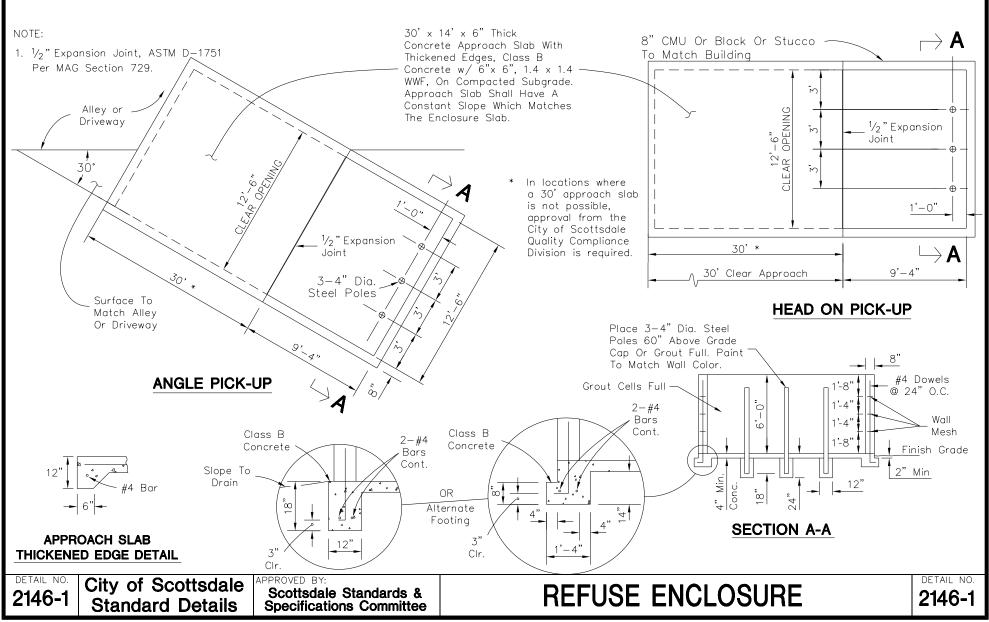
DETAIL NO. **2140**

MAIN DIRI	ECTIONS		N DIRECTIONS color + White)		RN DIRECTIONS Color + Black)	Color Of N Power/Neutrals	- ·
Direction	Color	Direction	Color	Direction	Color	Wire	Color
WB	Blue	WBLT	Blue + White	WBRT	Blue + Black	AC+ Power	Black
EB	Green	EBLT	Green + White	EBRT	Green + Black	AC- (Neutral)	White
NB	Red	NBLT	Red + White	NBRT	Red + Black	24V Pushbutton	Orange, Stranded
SB	Yellow	SBLT	Yellow + White	SBRT	Yellow + Black		

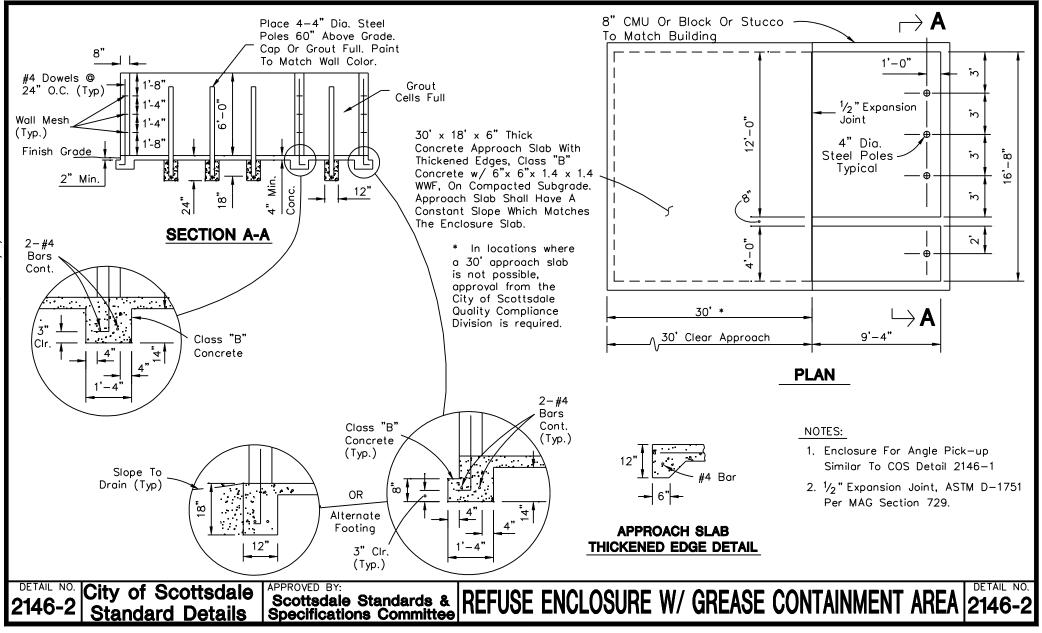
WBLT = West Bound Left Turn and shall be the phase for vehicles facing west and turning to south EBLT = East Bound Left Turn and shall be the phase for vehicles facing east and turning to north NBLT = North Bound Left Turn and shall be the phase for vehicles facing north and turning to west SBLT = South Bound Left Turn and shall be the phase for vehicles facing south and turning to east

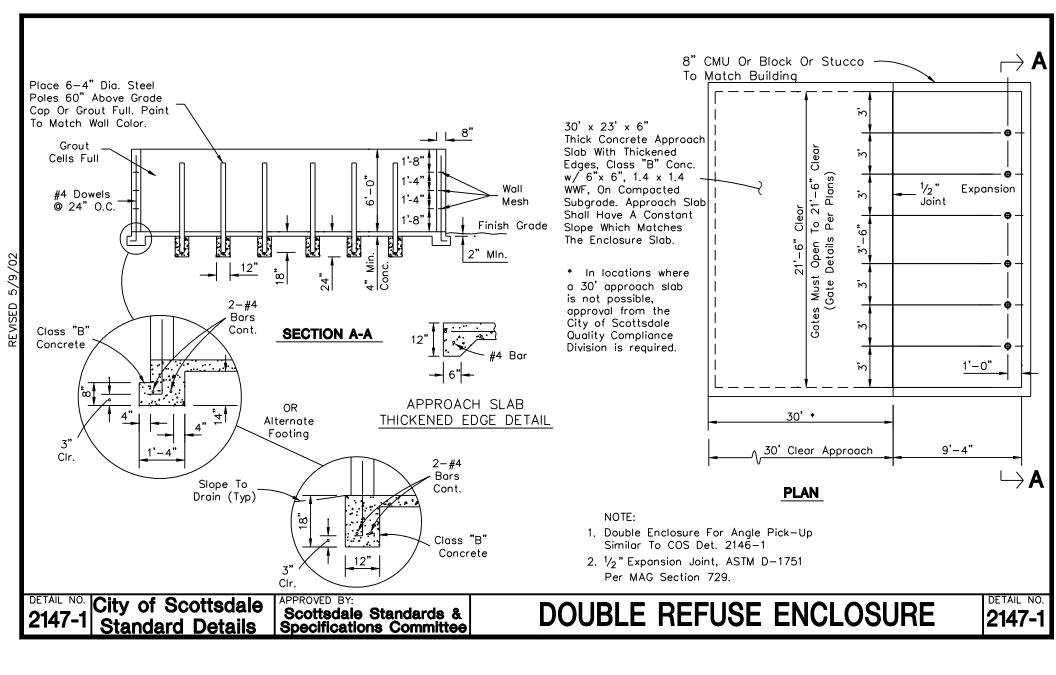
WBRT = West Bound Right Turn and shall be the phase for vehicles facing west and turning to north EBRT = East Bound Right Turn and shall be the phase for vehicles facing east and turning to south NBRT = North Bound Right Turn and shall be the phase for vehicles facing north and turning to east SBRT = South Bound Right Turn and shall be the phase for vehicles facing south and turning to west

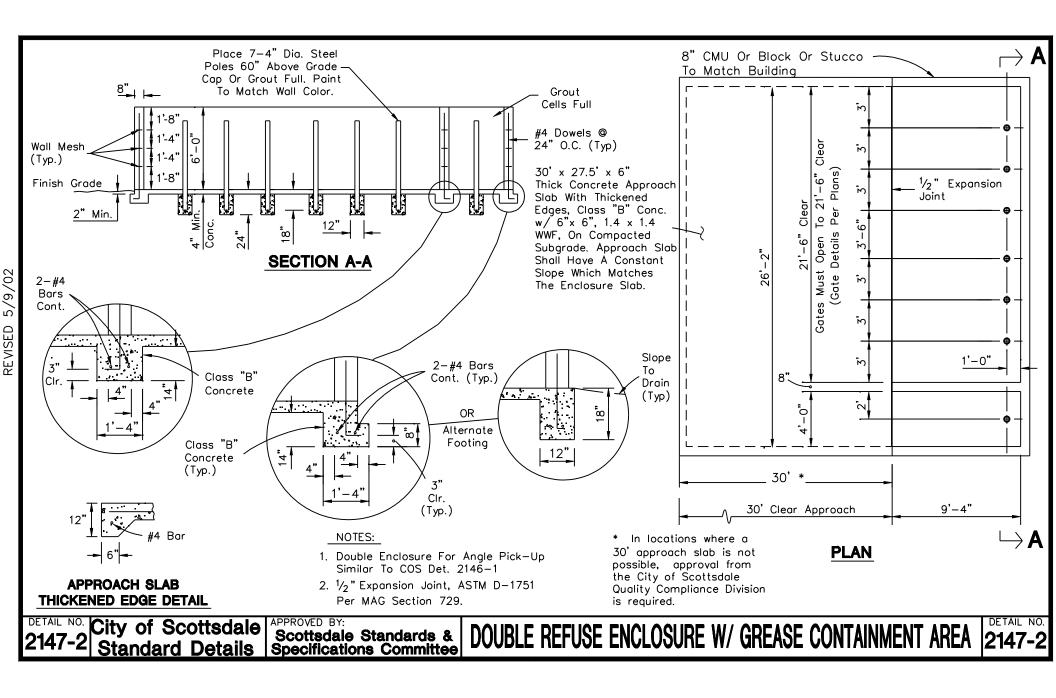
2141 City of Scottsdale Scottsdale Standards & Specifications Committee TAPE COLOR CODES FOR TRAFFIC SIGNAL WIRING 2141

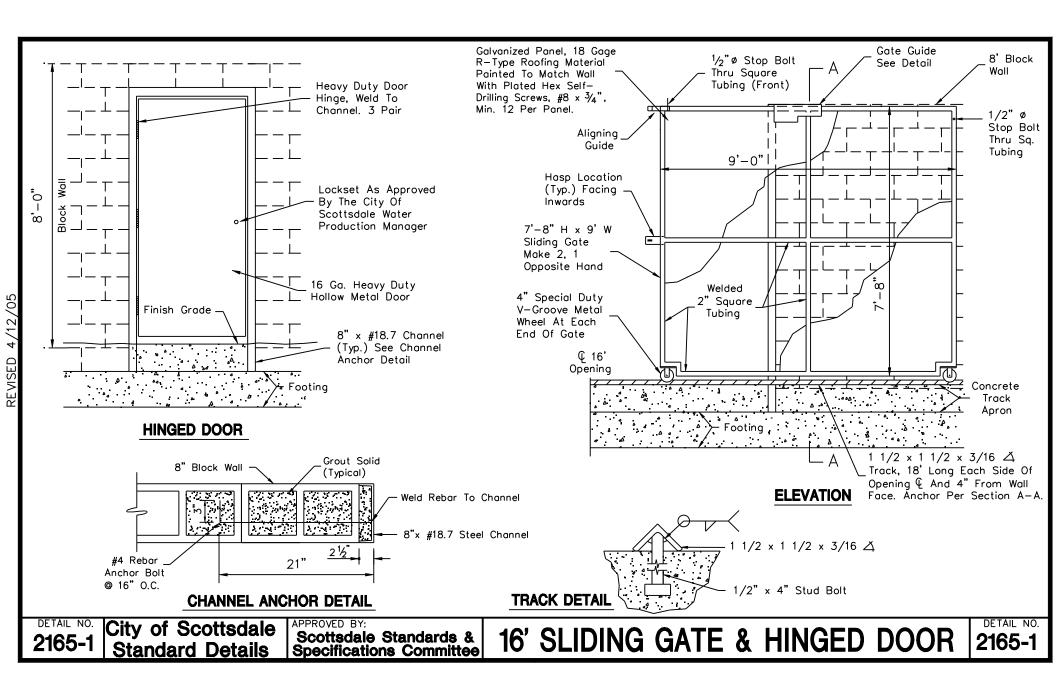


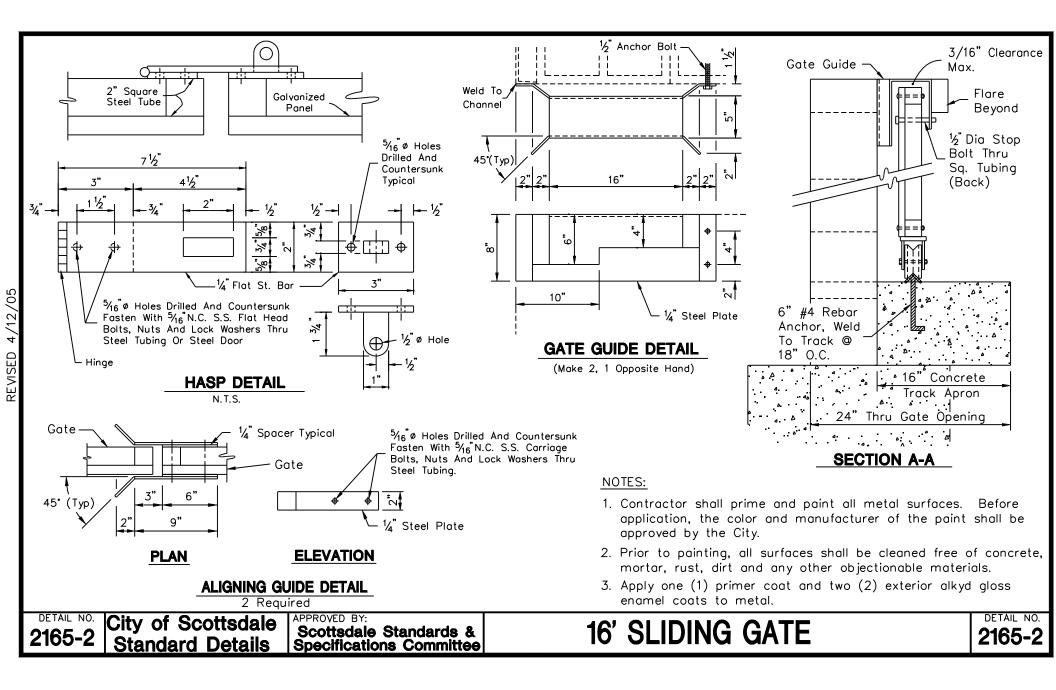
REVISED 5/24/19

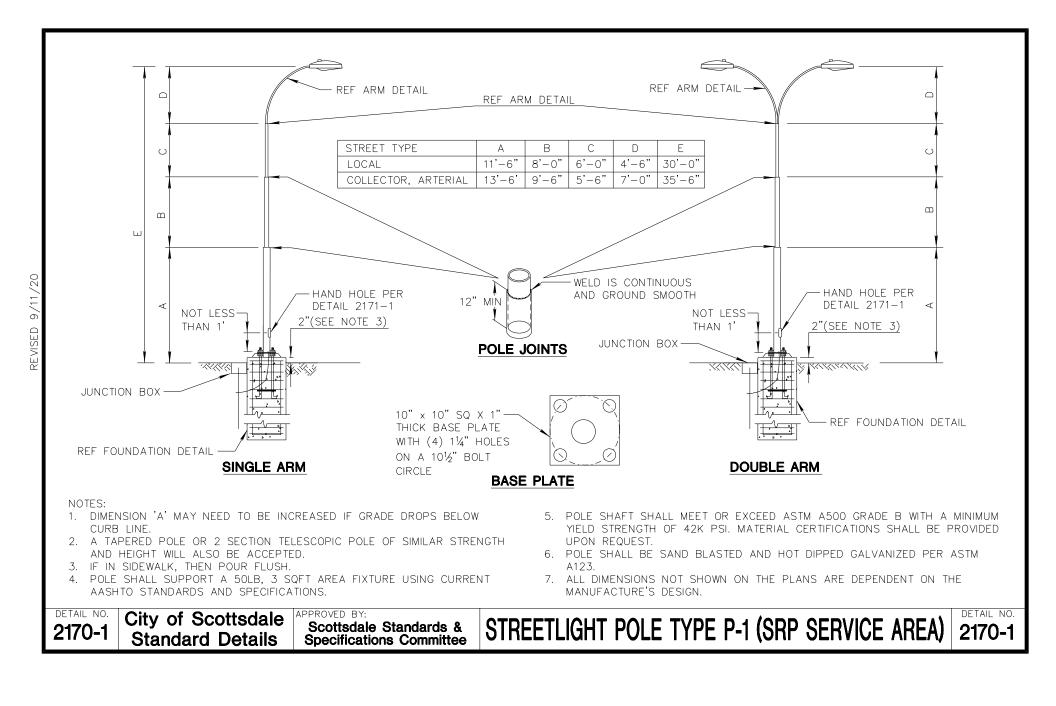


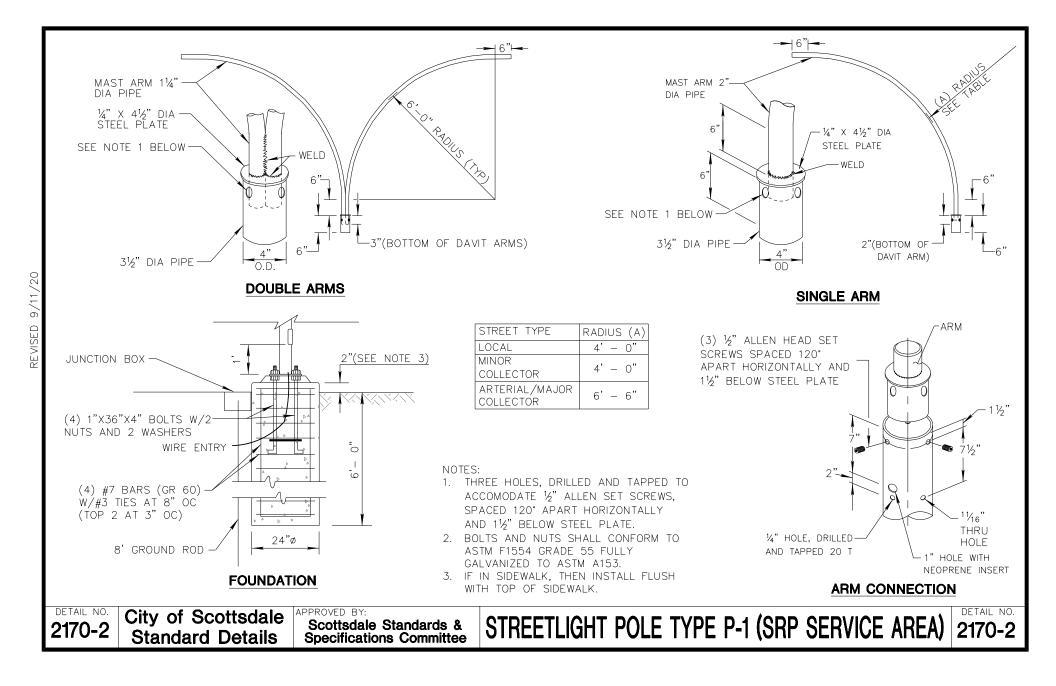


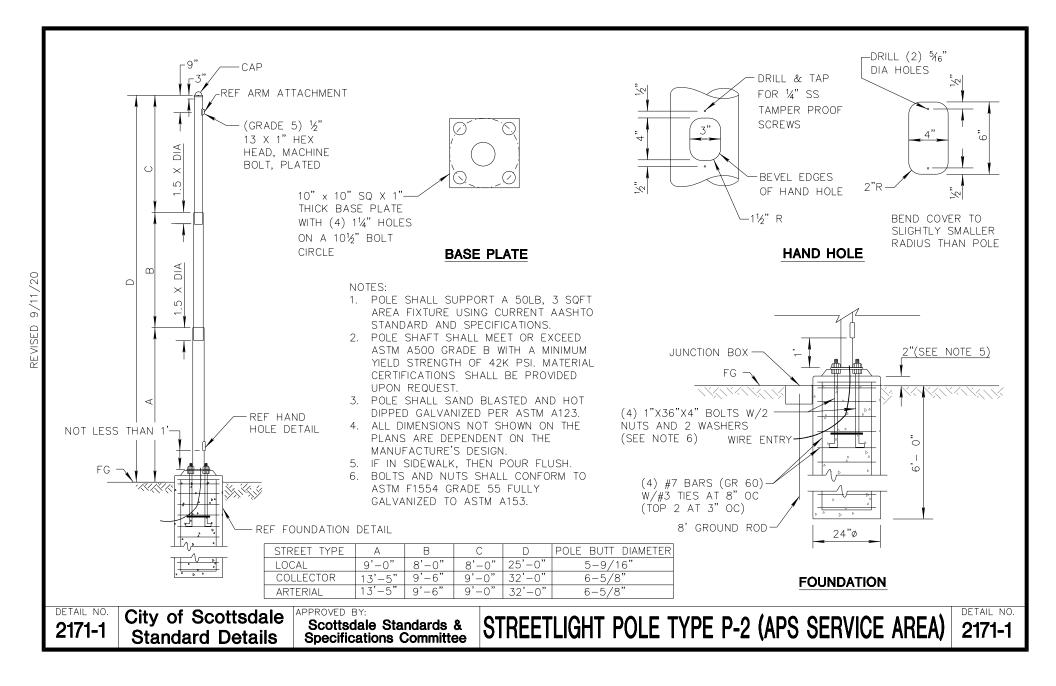


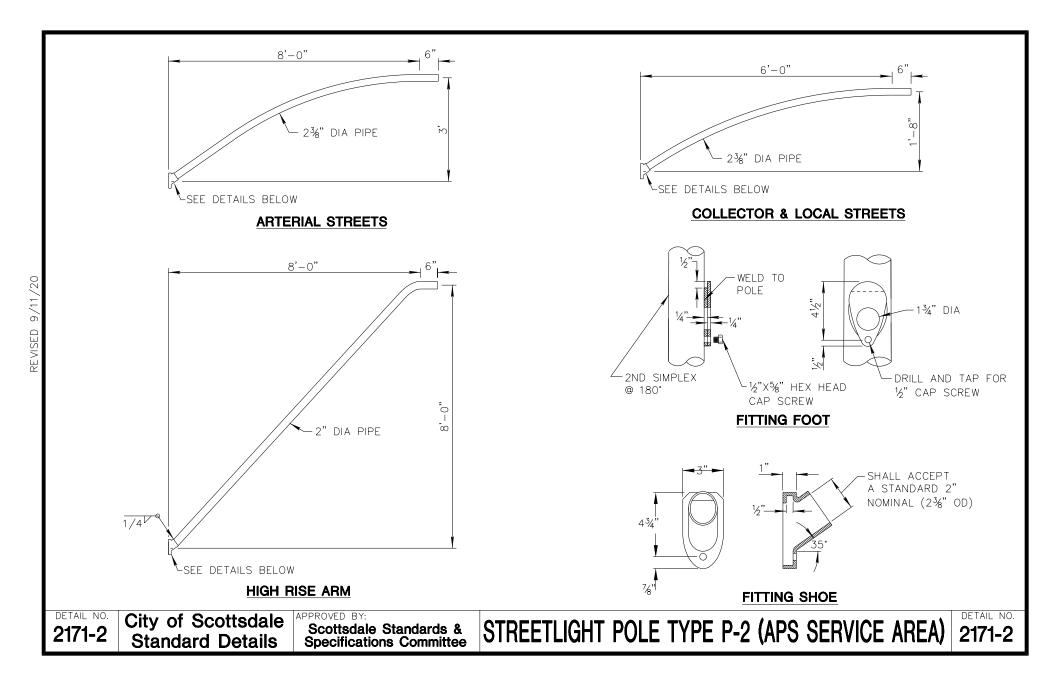


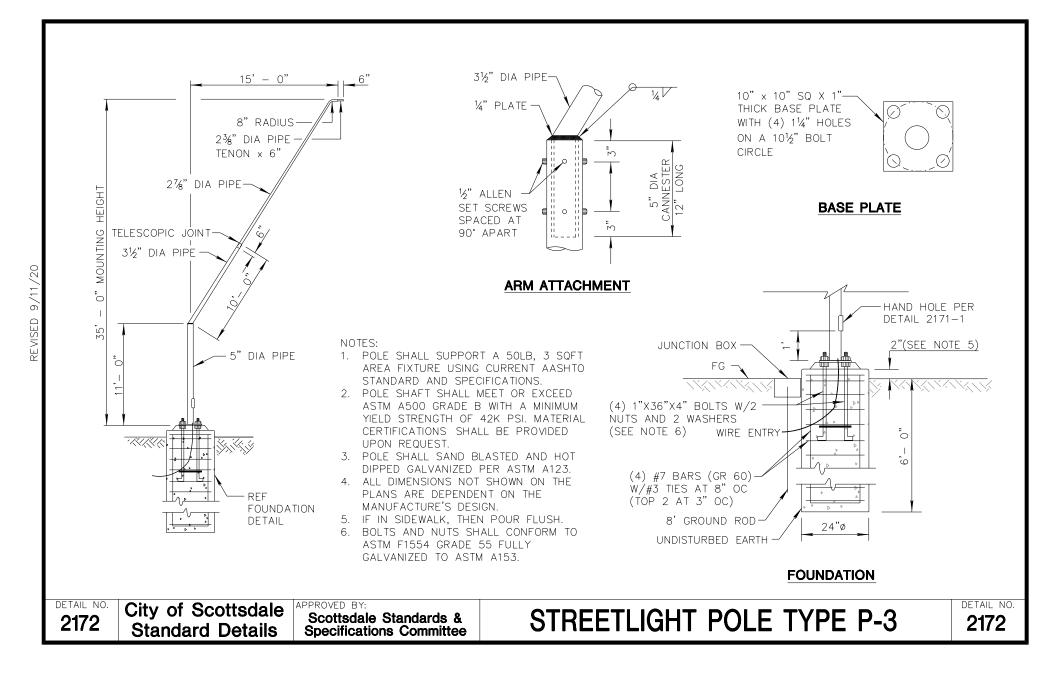


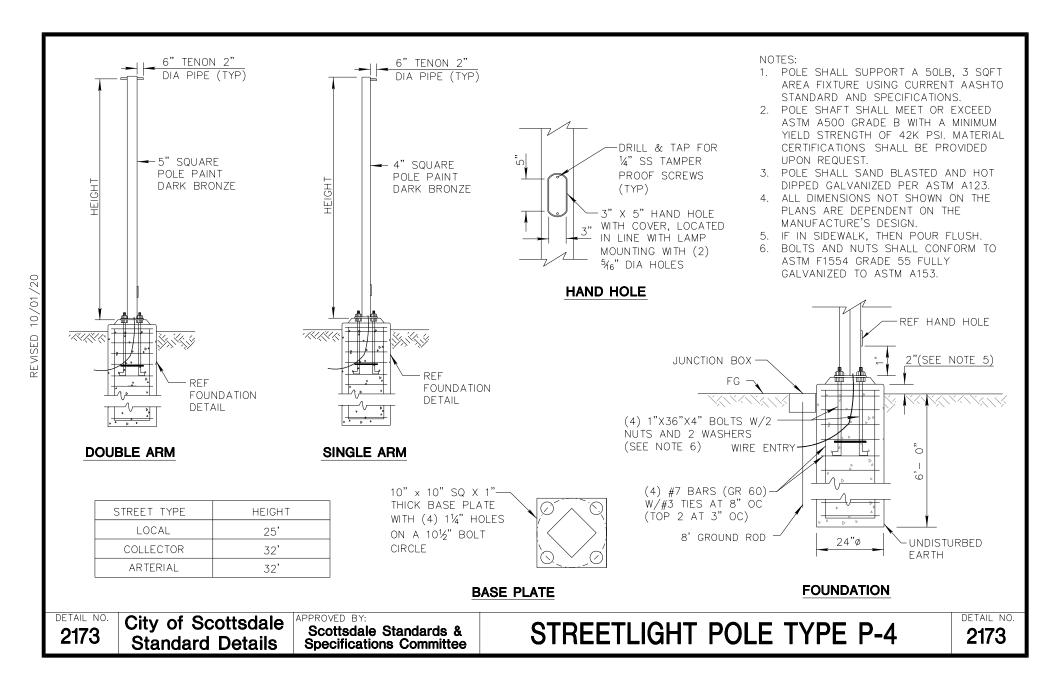


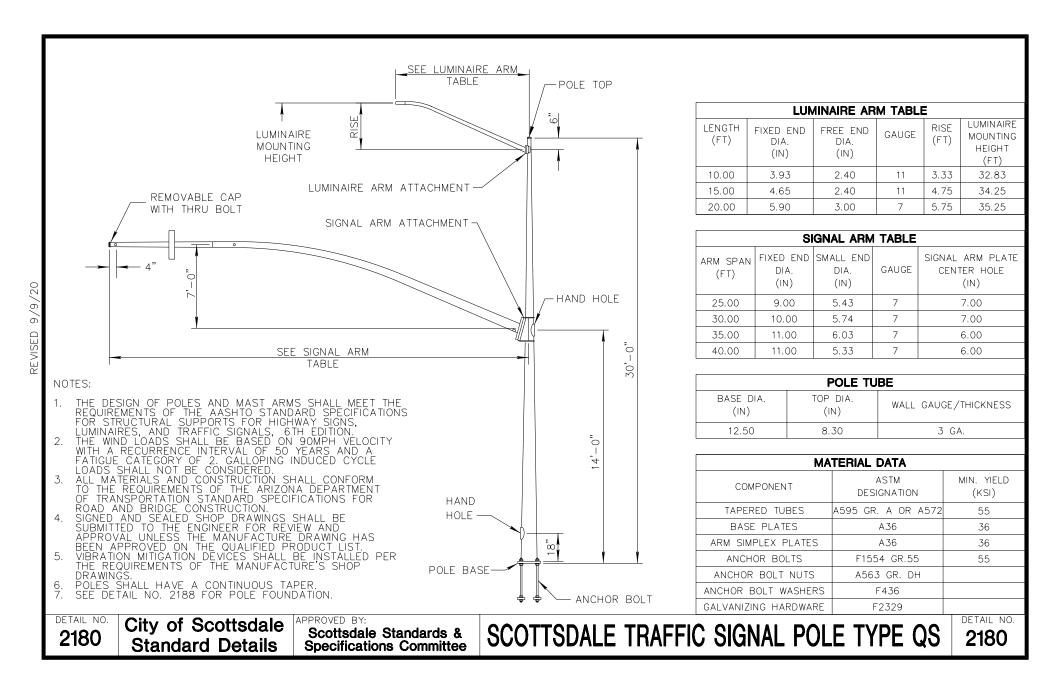


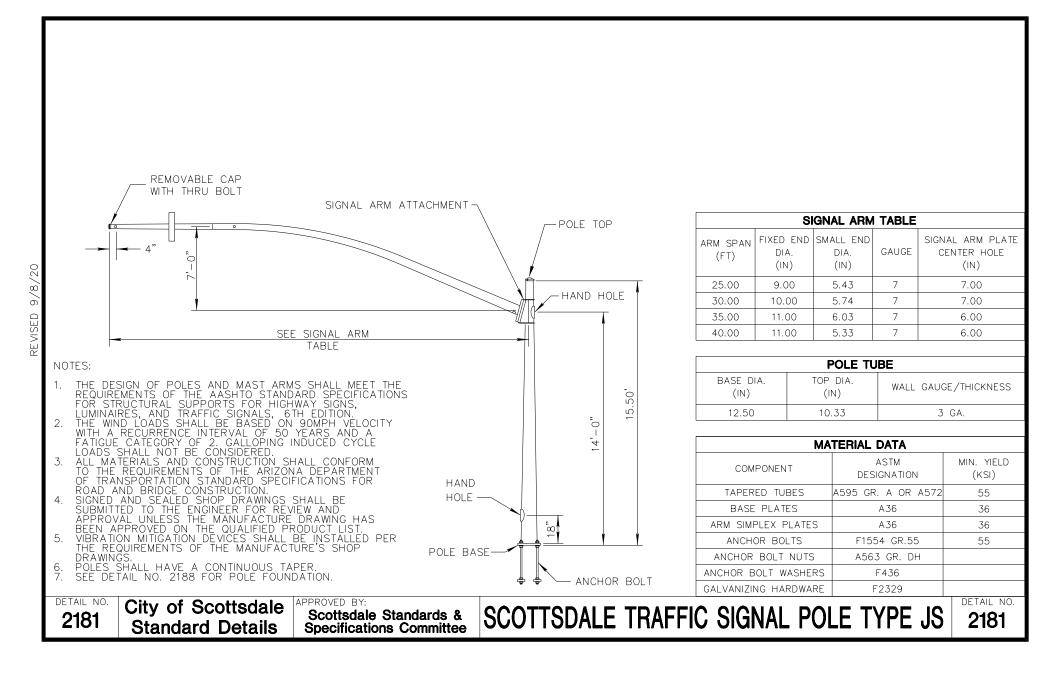


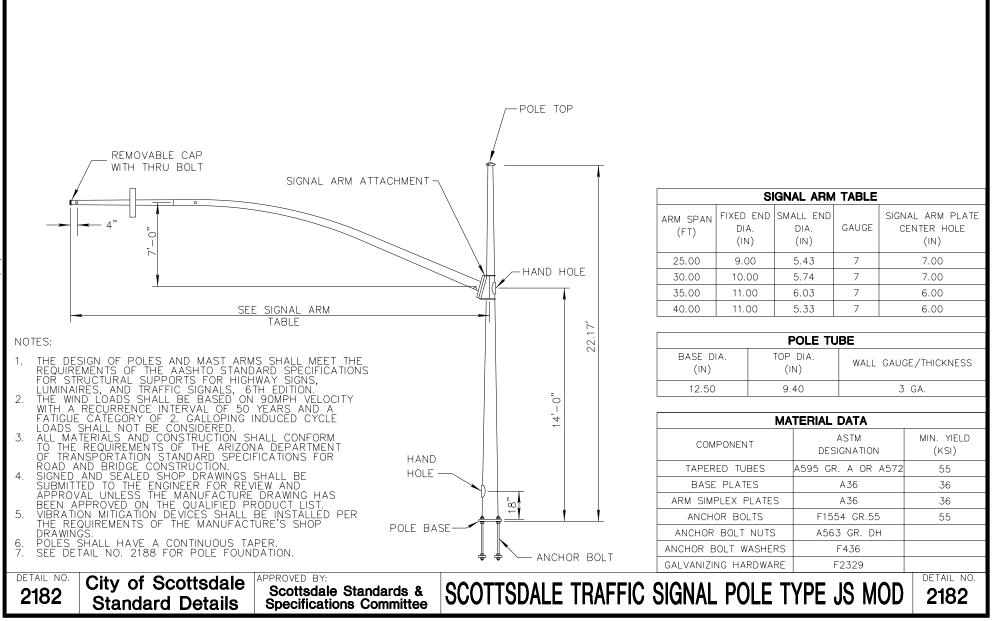






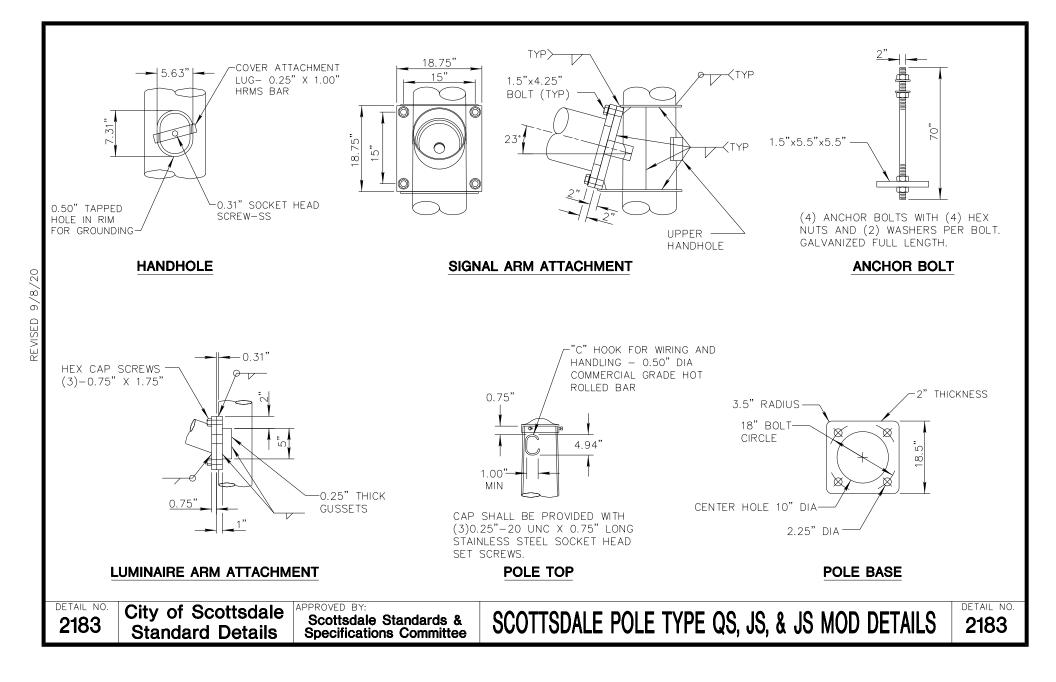


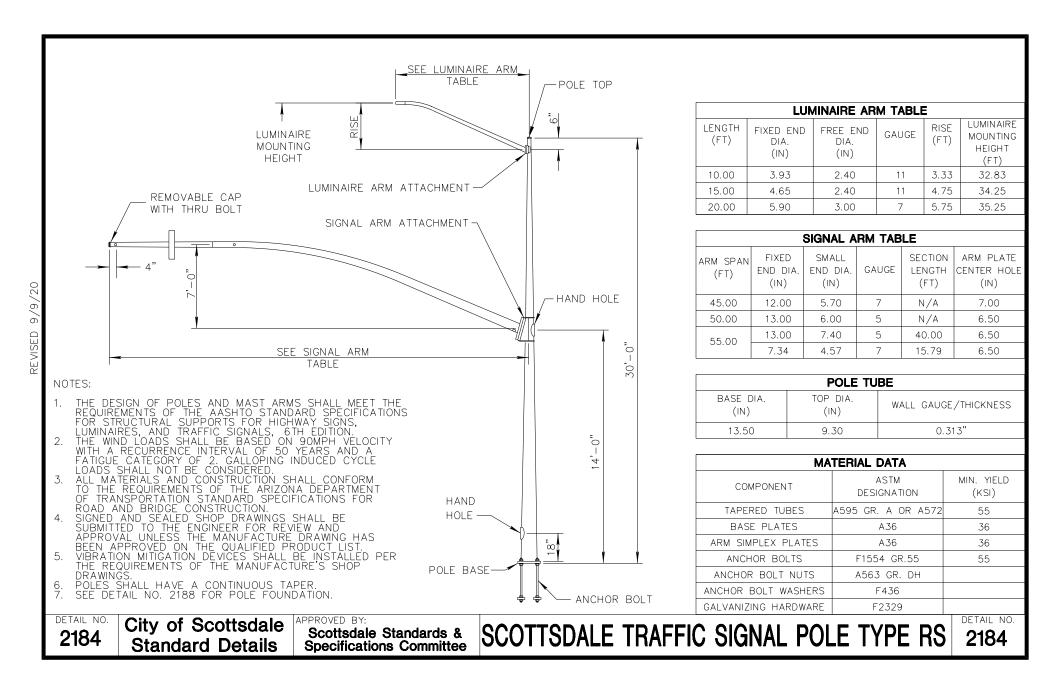


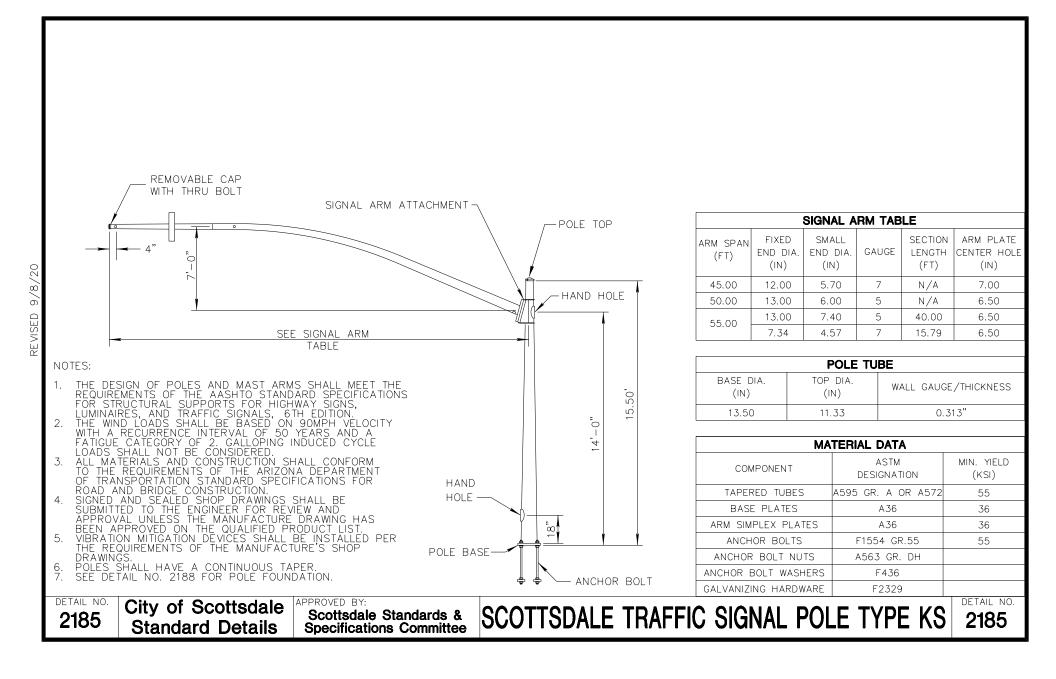


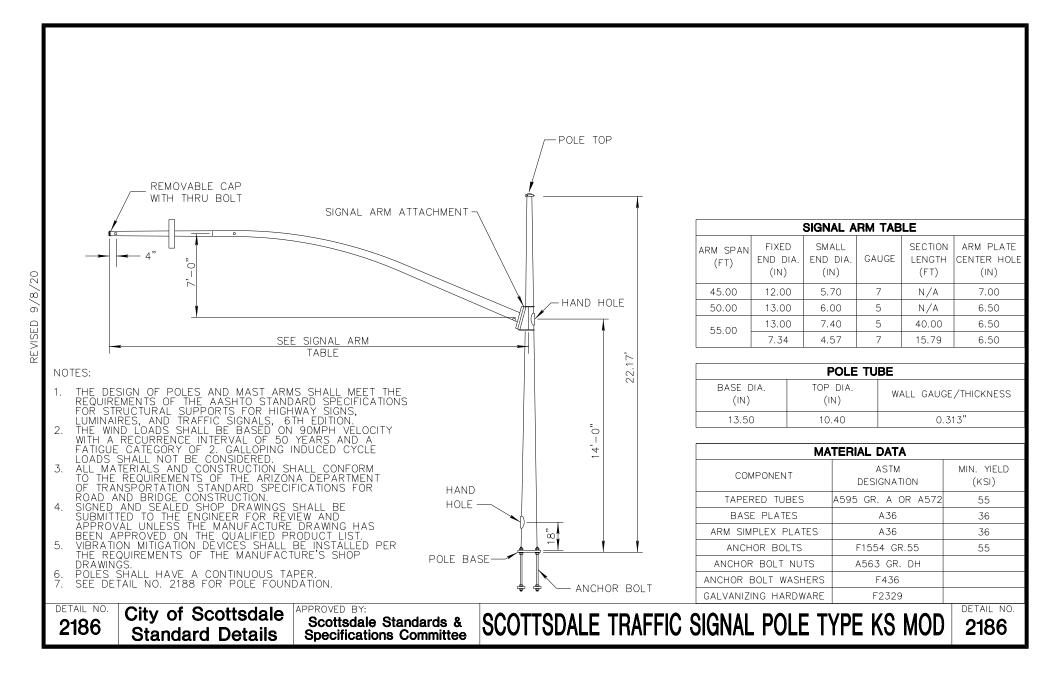
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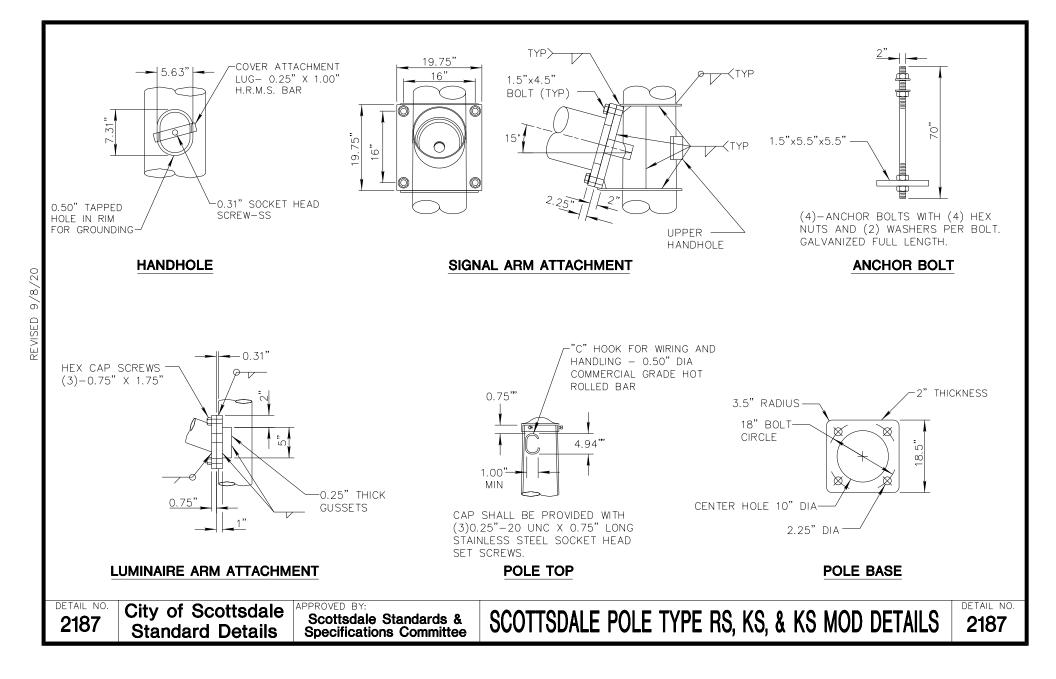
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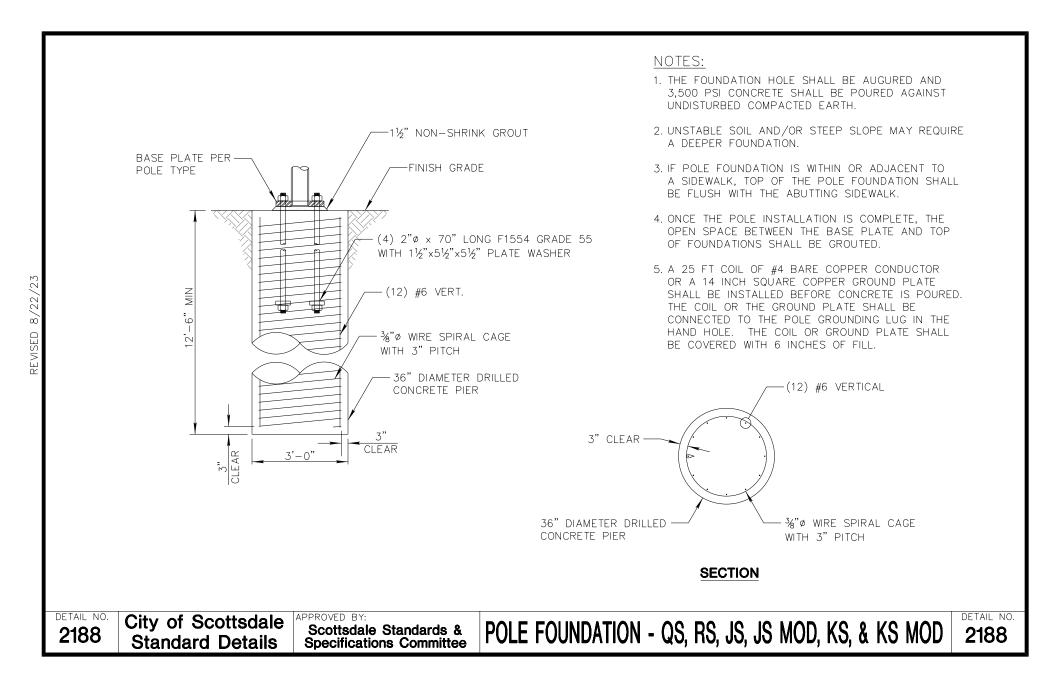


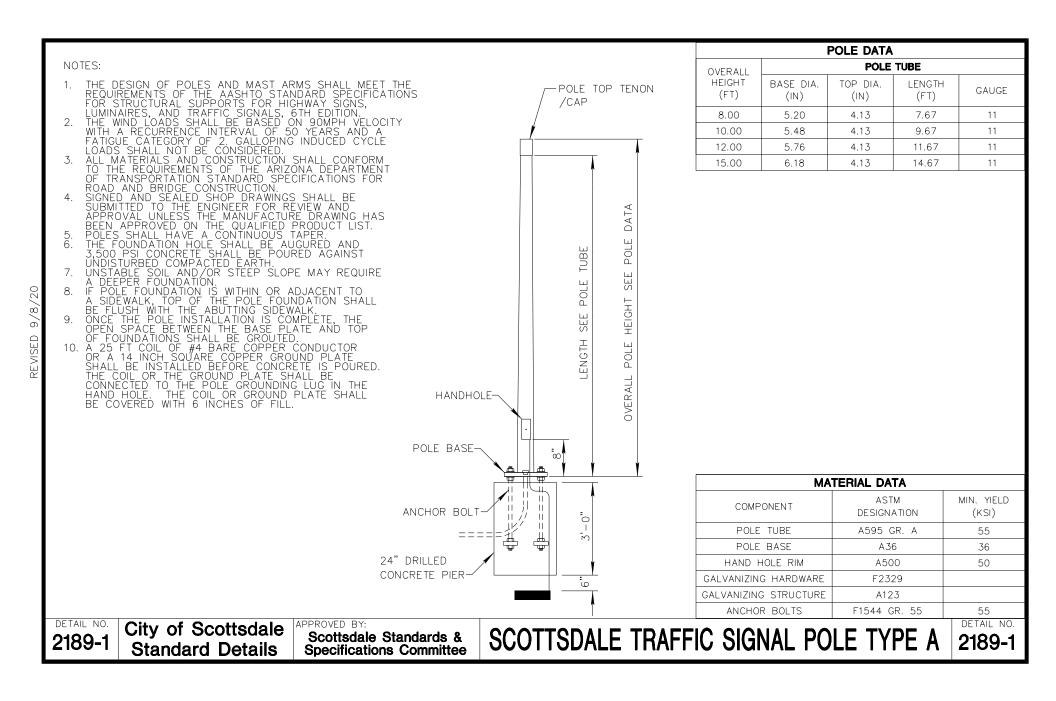


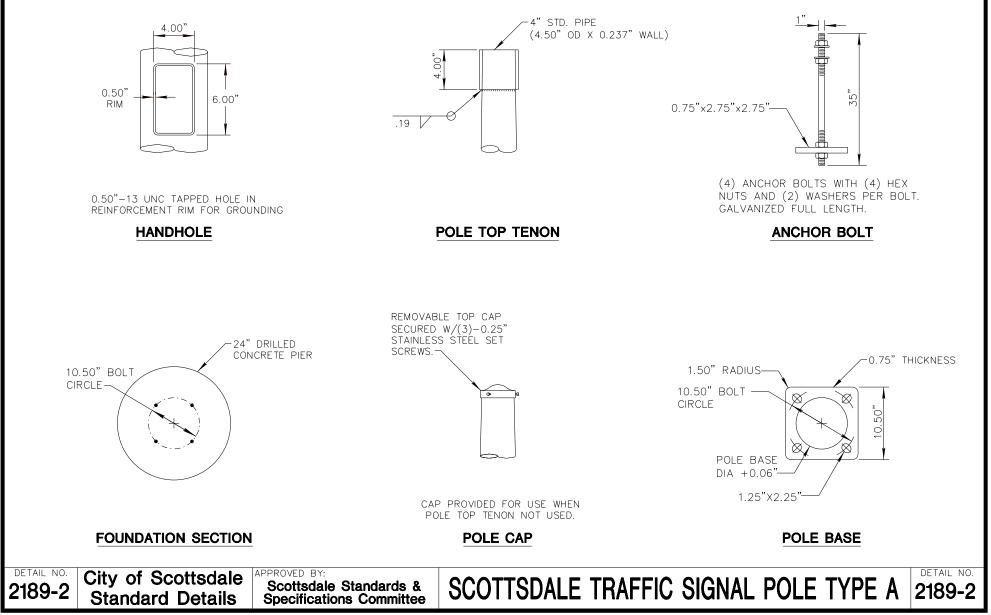


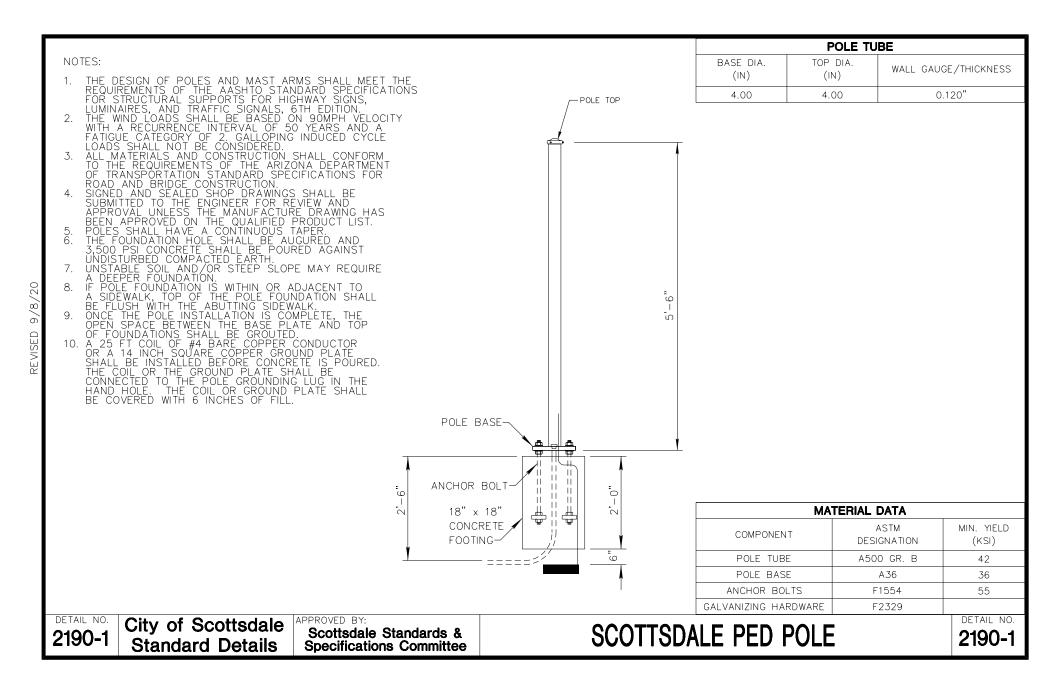


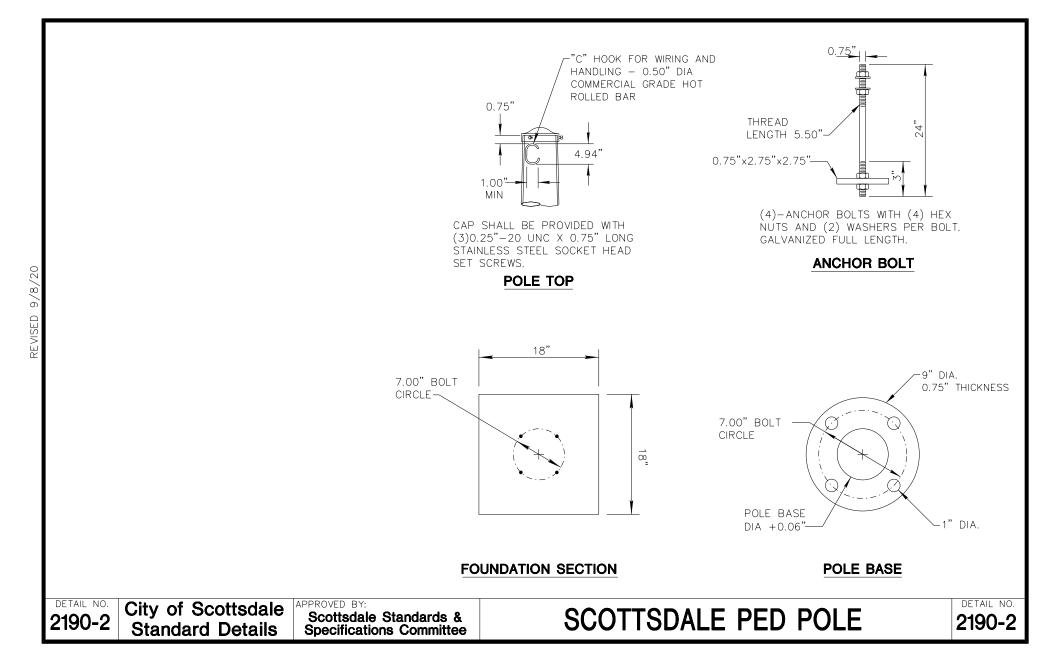


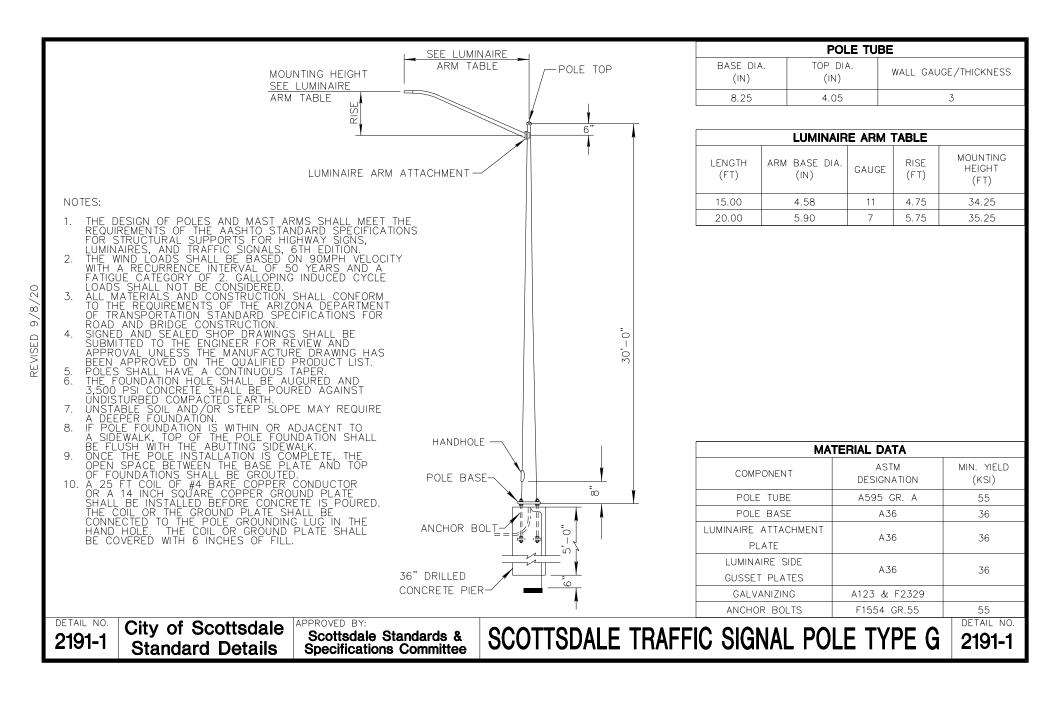


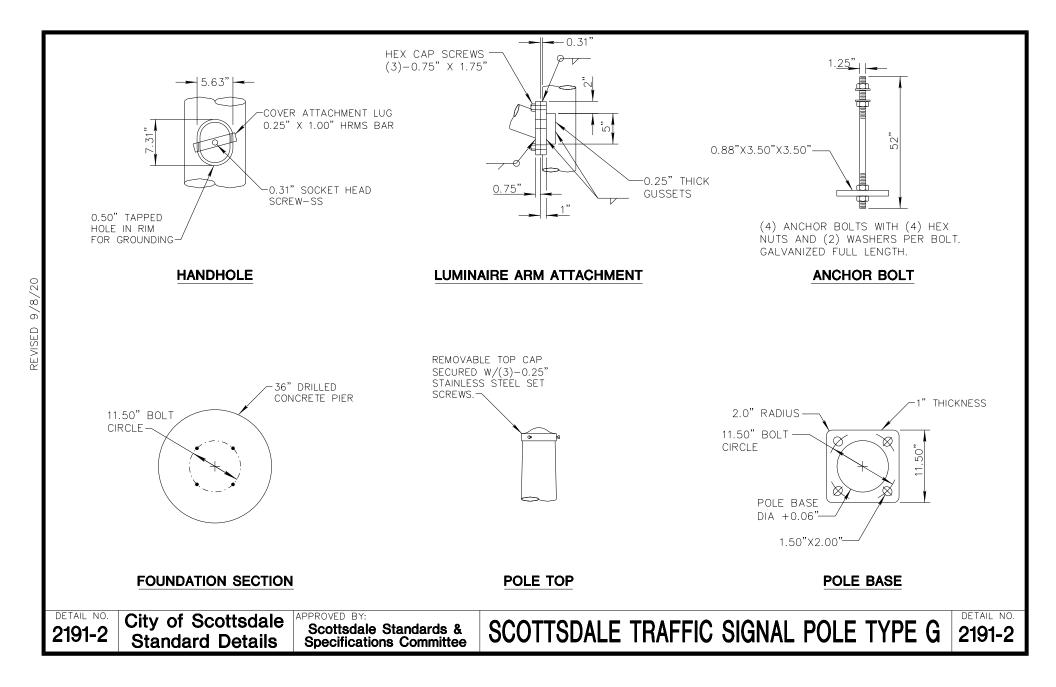


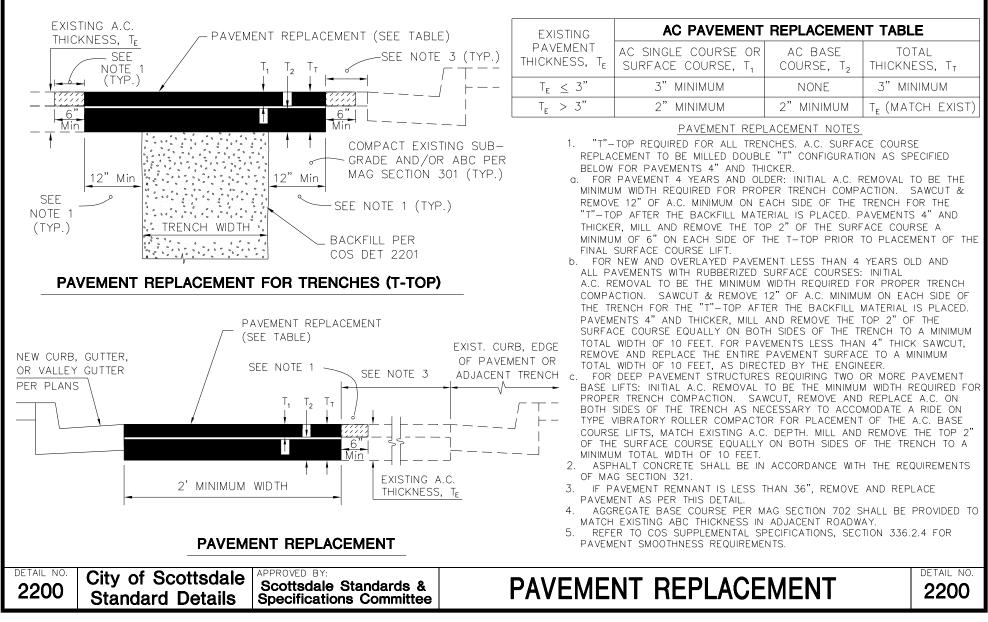




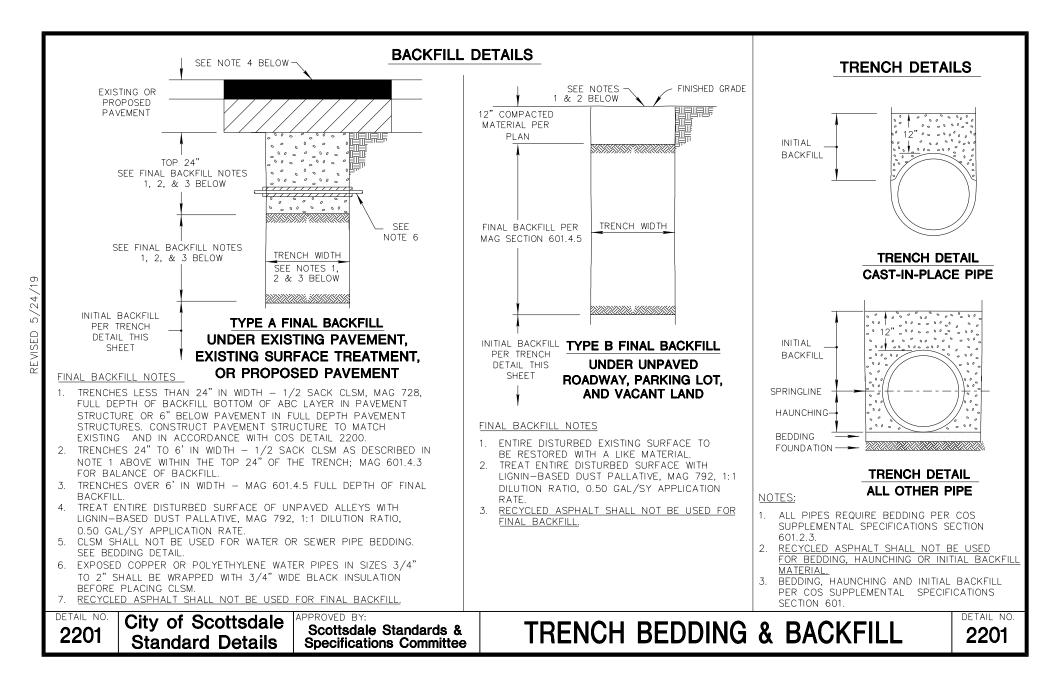


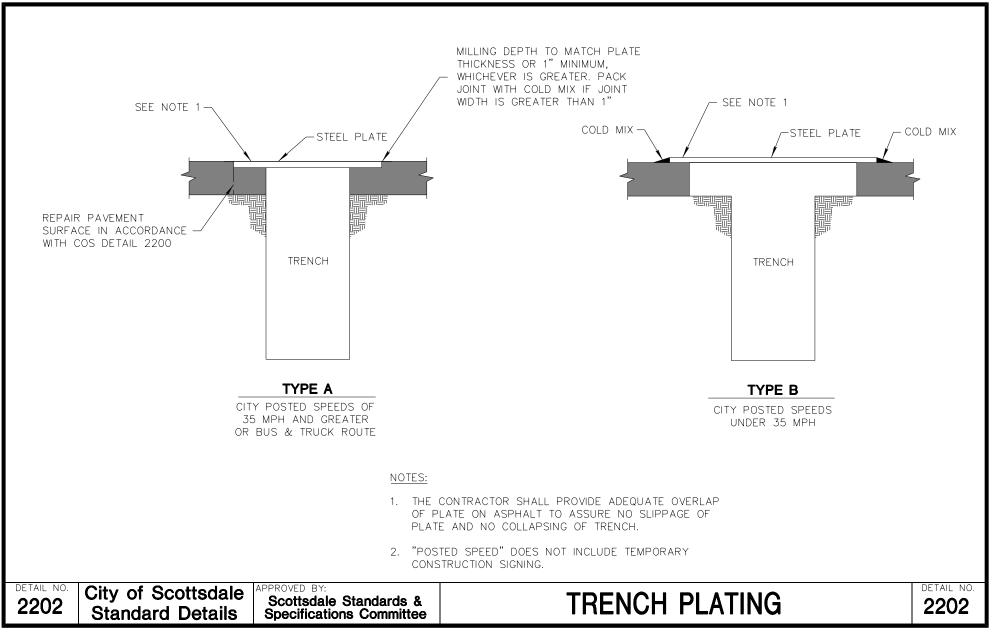


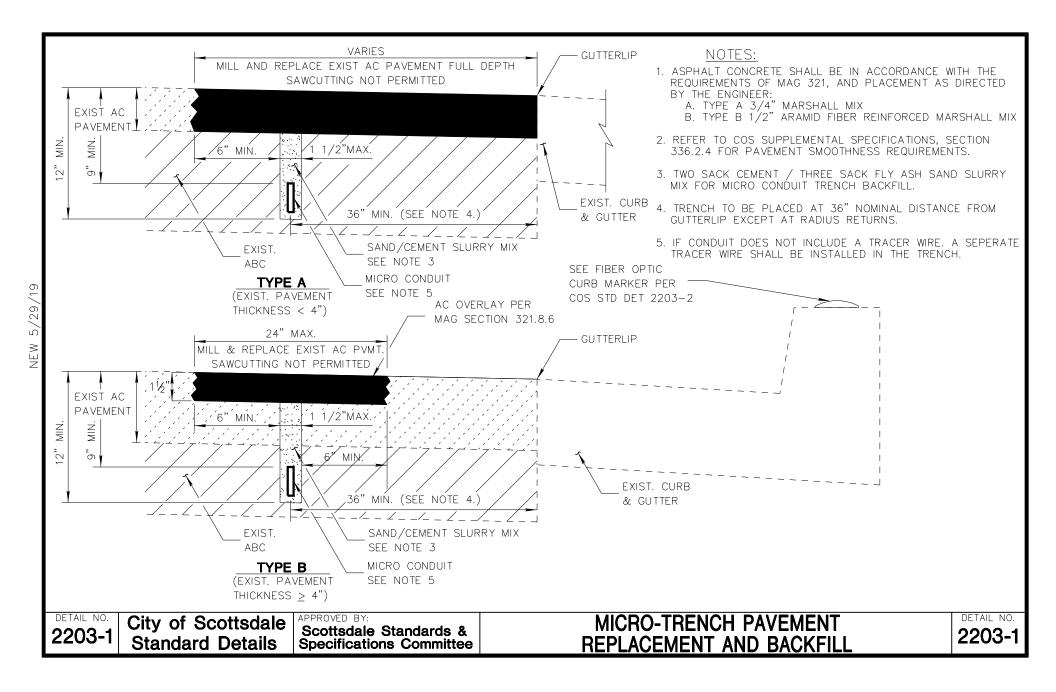


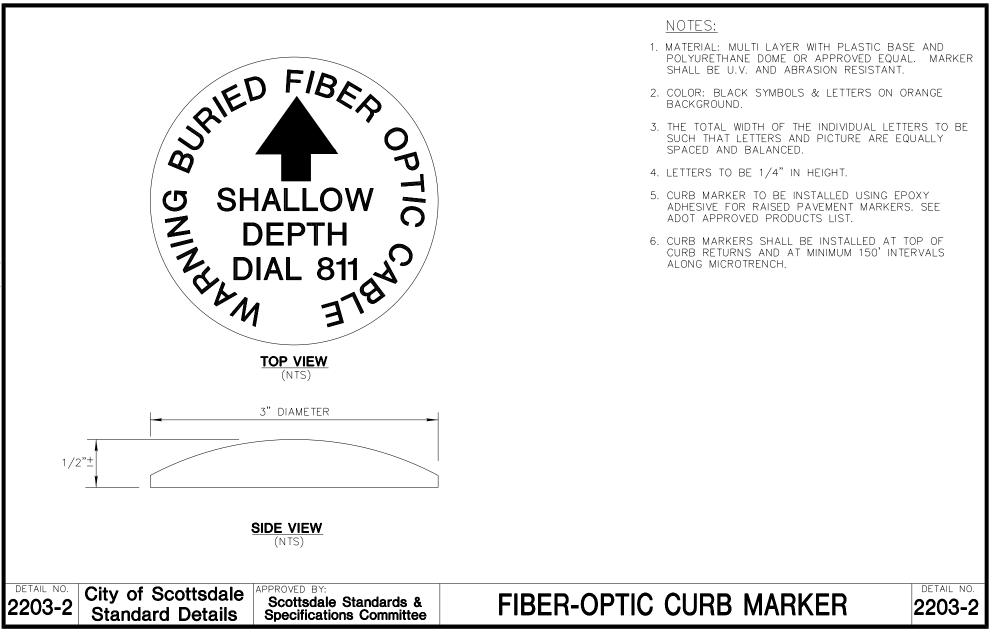


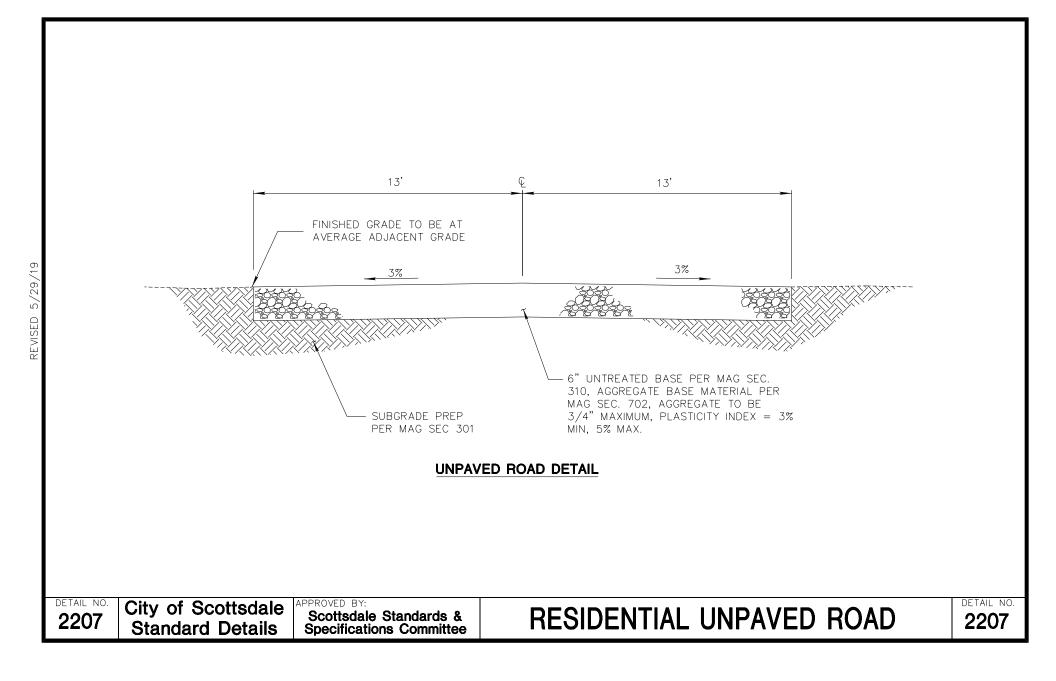
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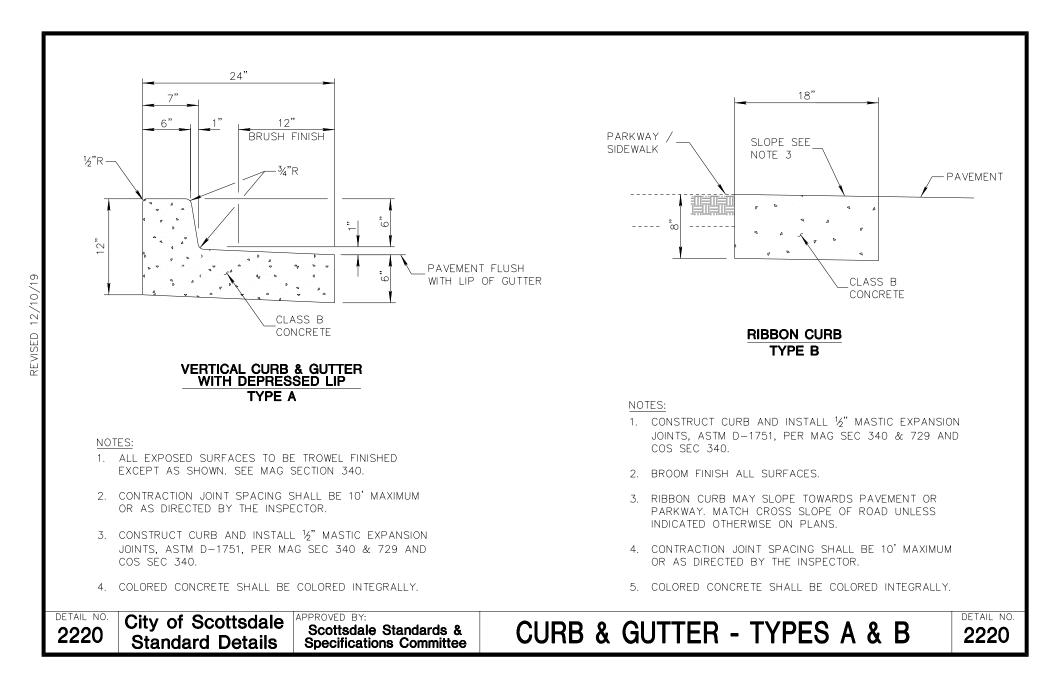


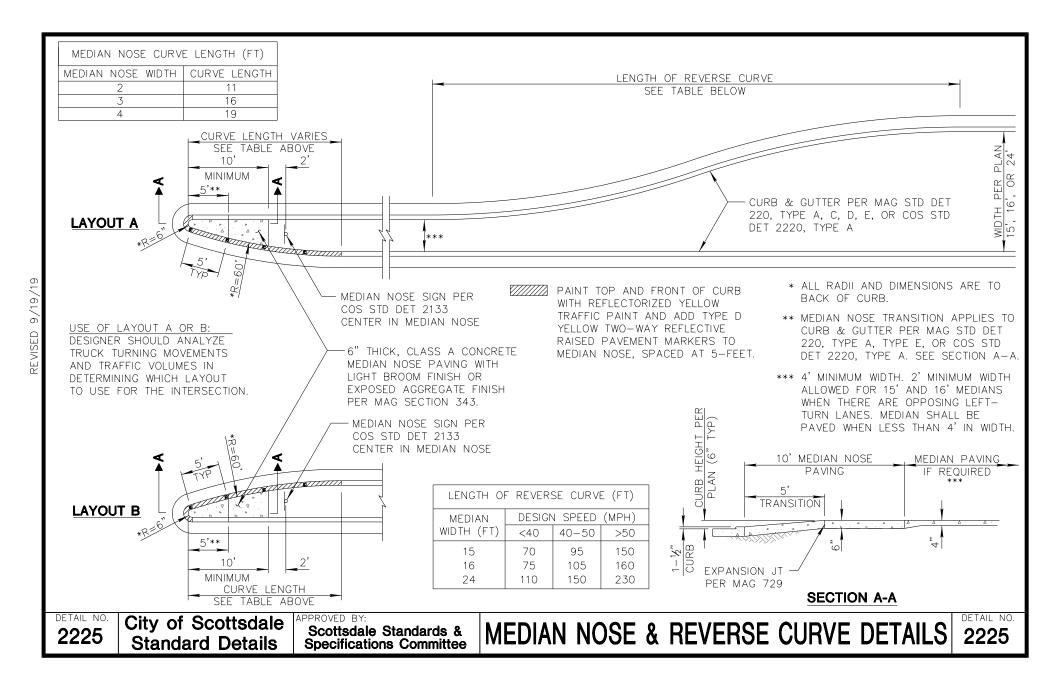


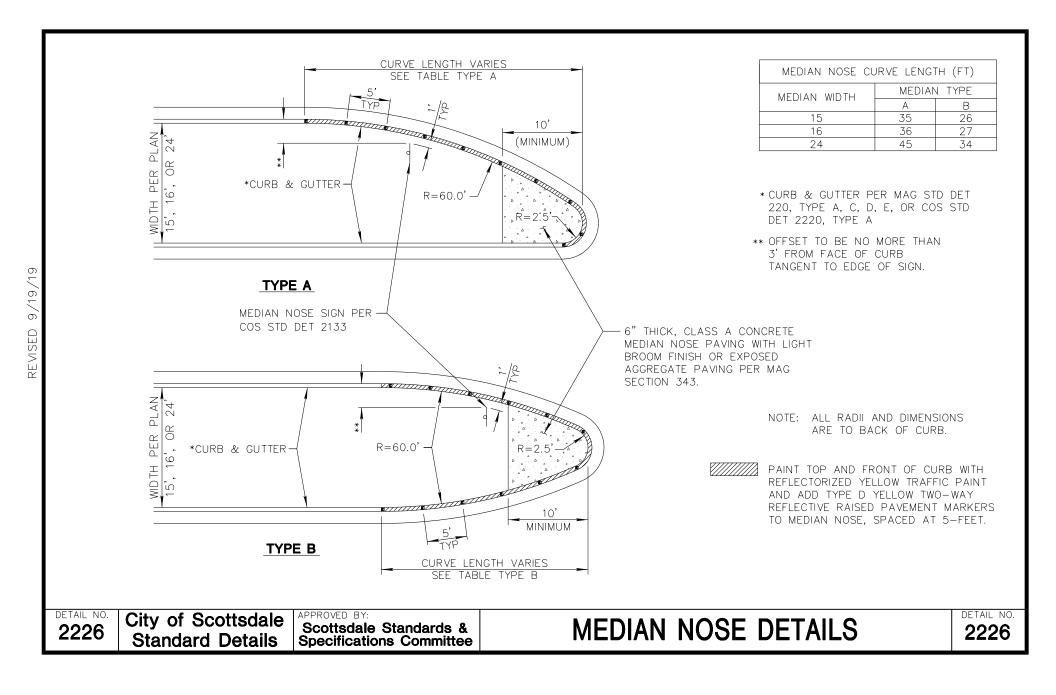


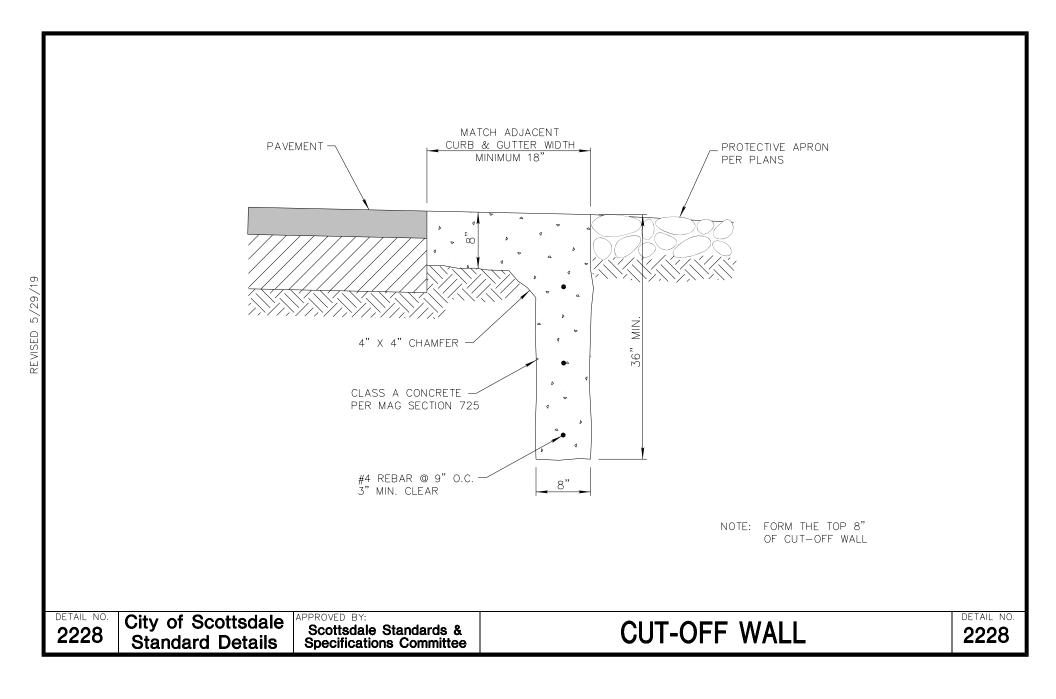


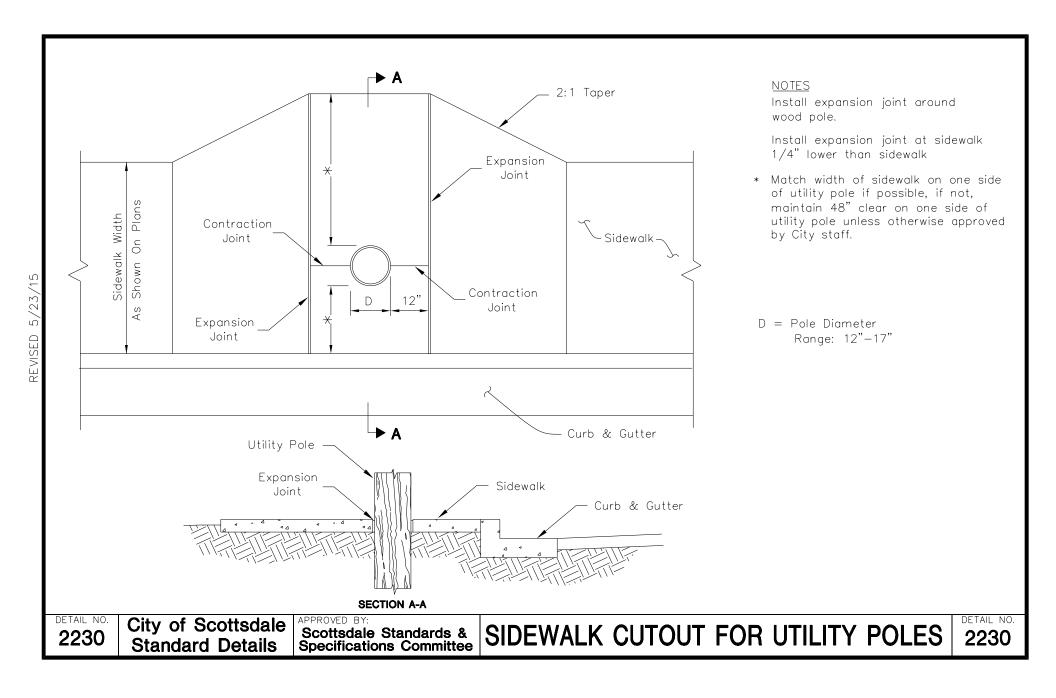


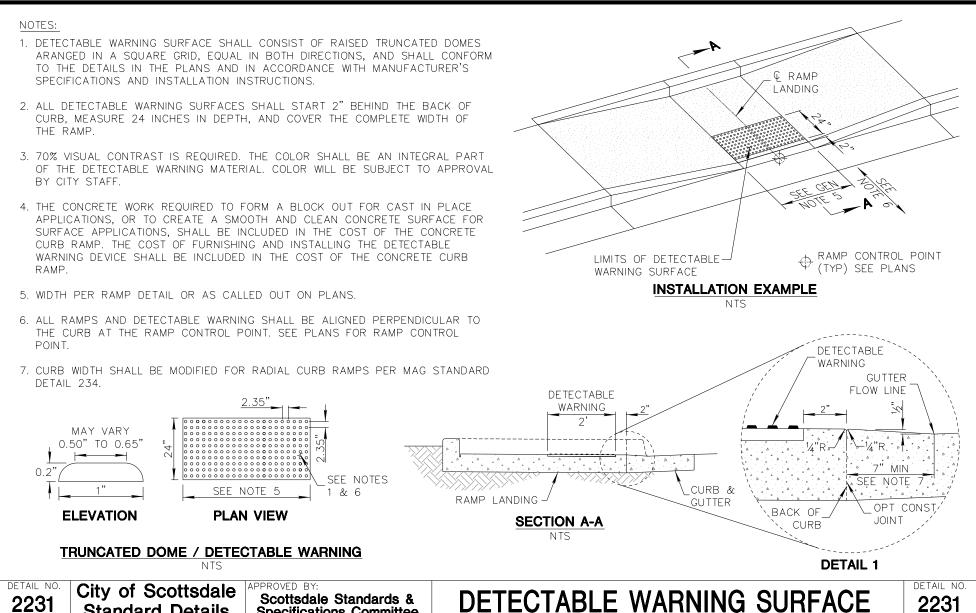












2231

Scottsdale Standards &

Specifications Committee

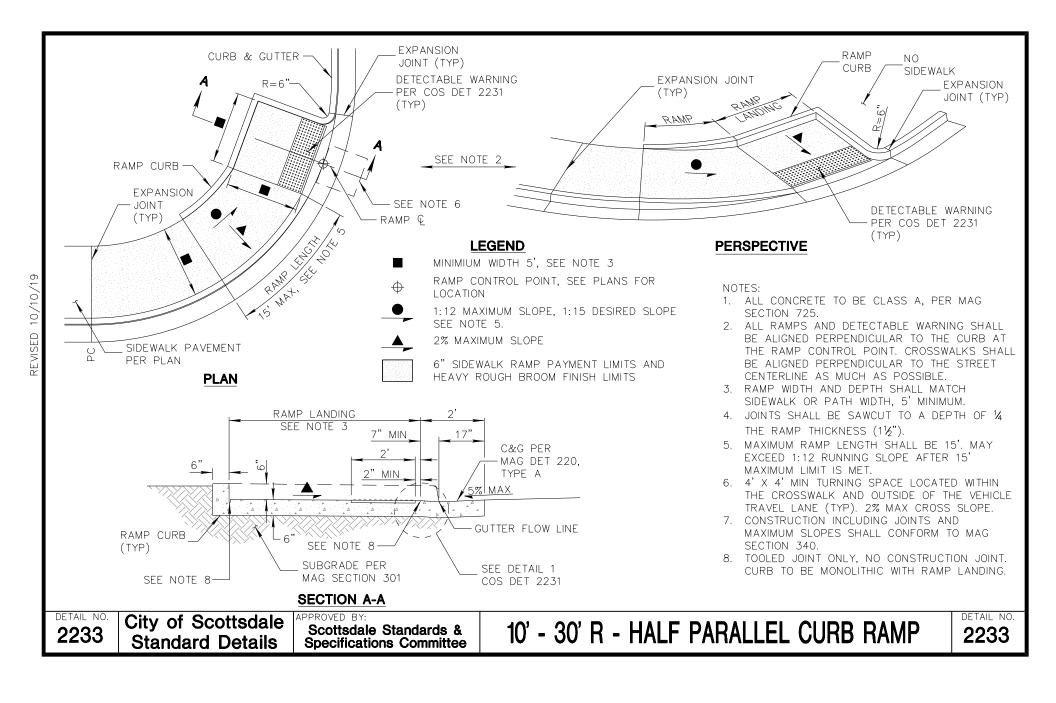
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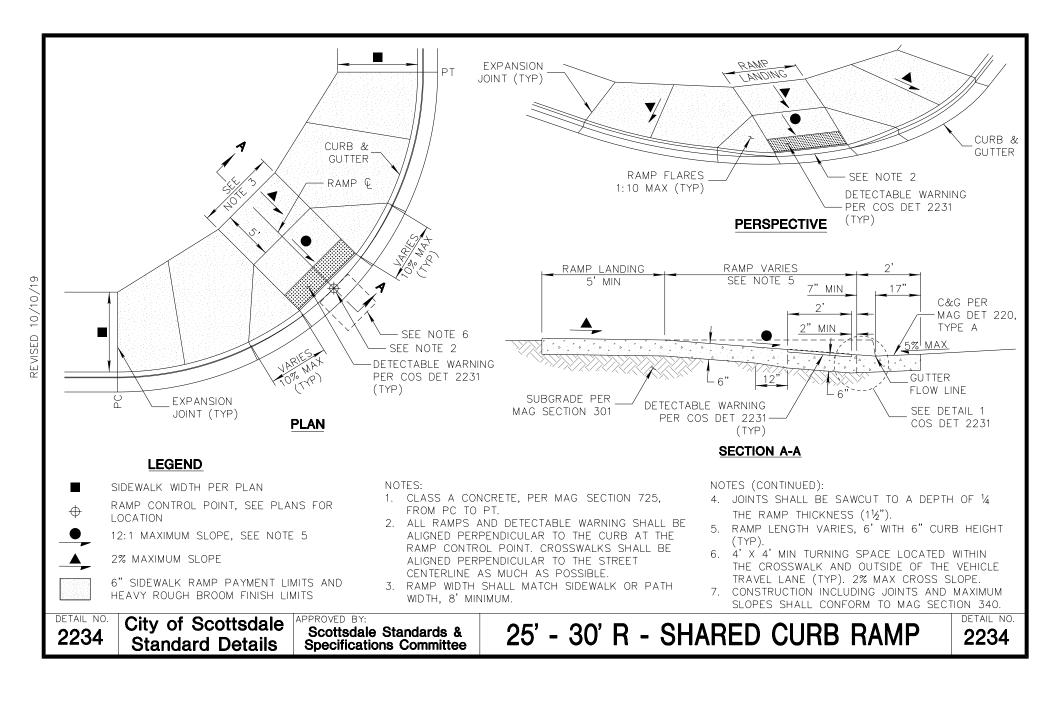
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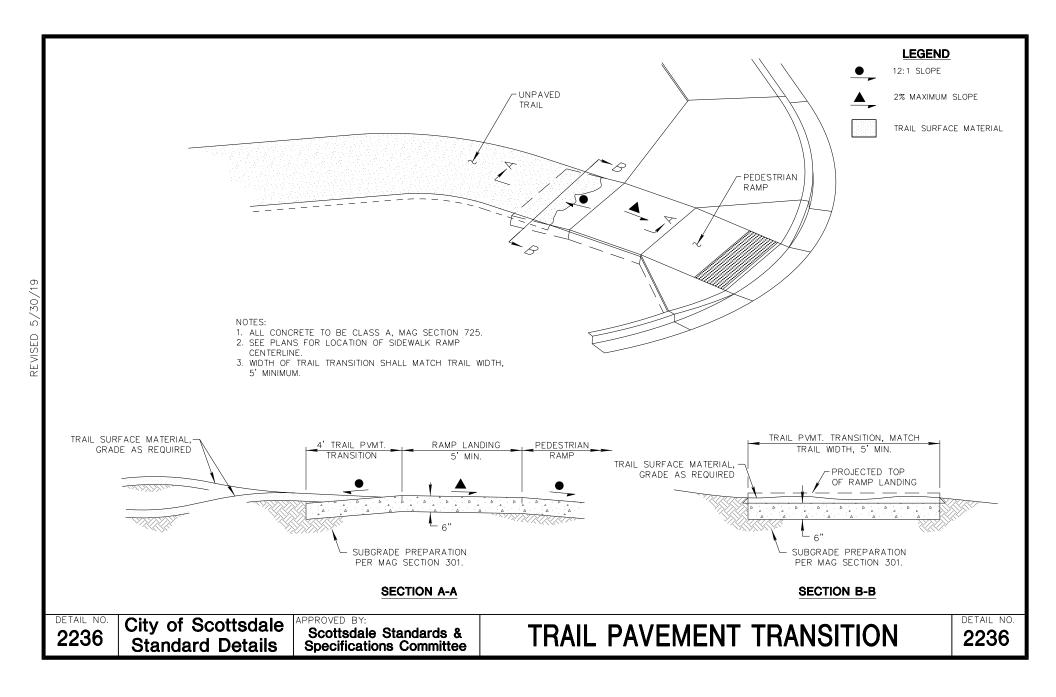
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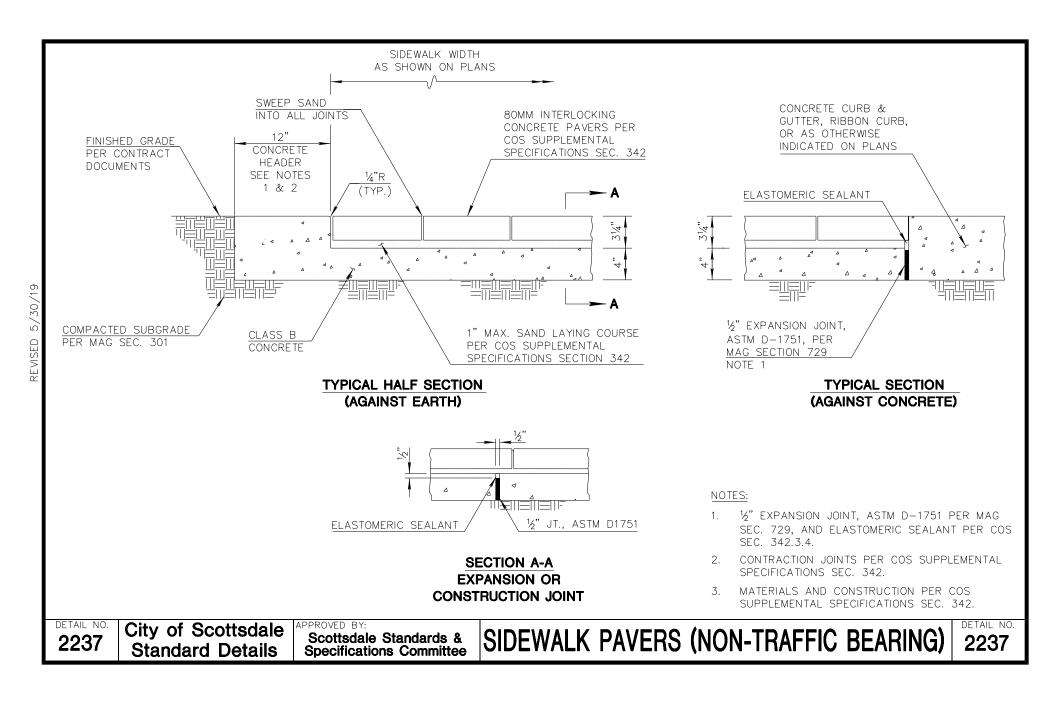
Standard Details

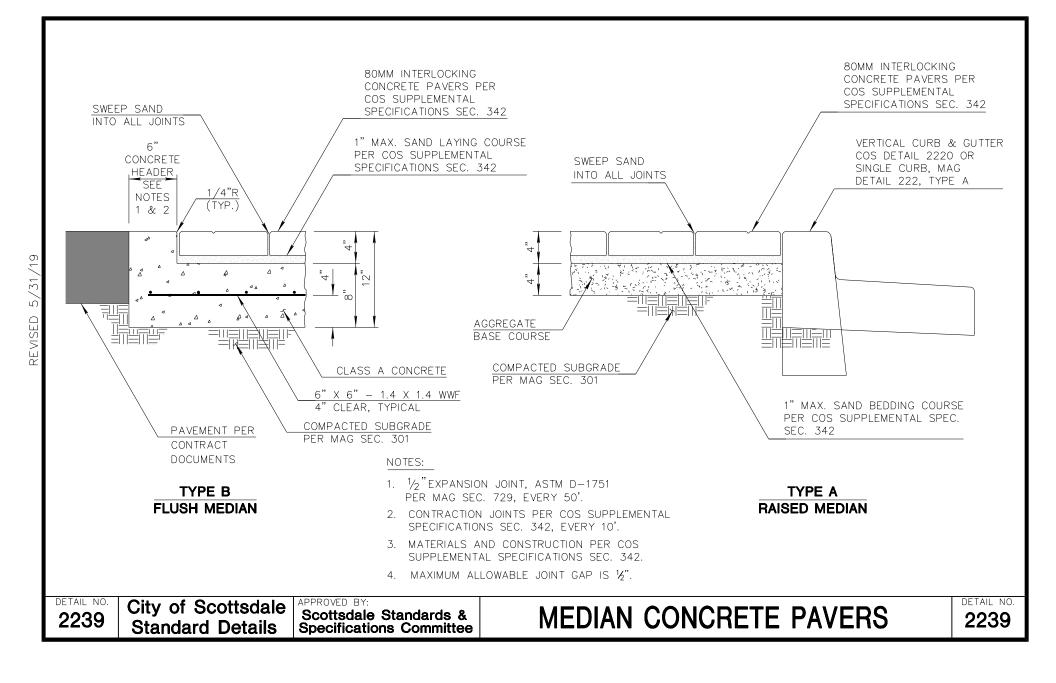
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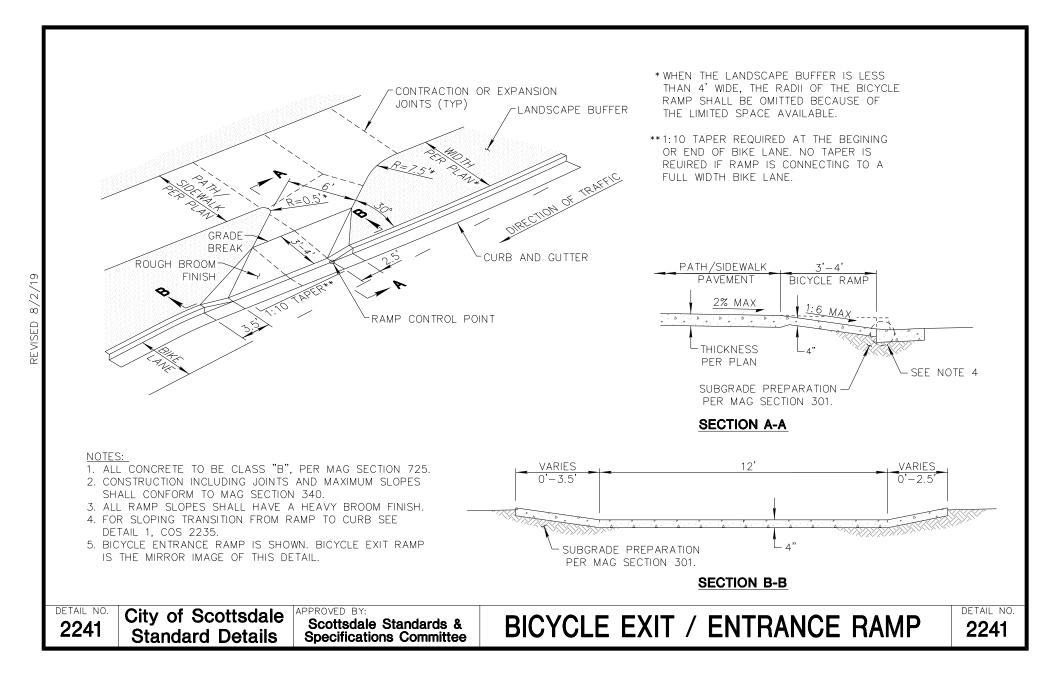


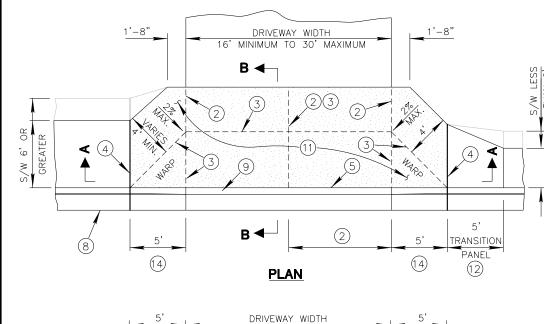


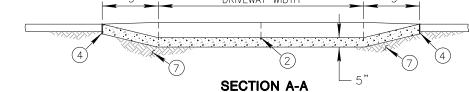


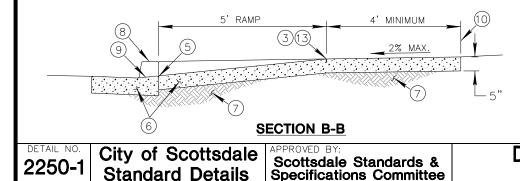










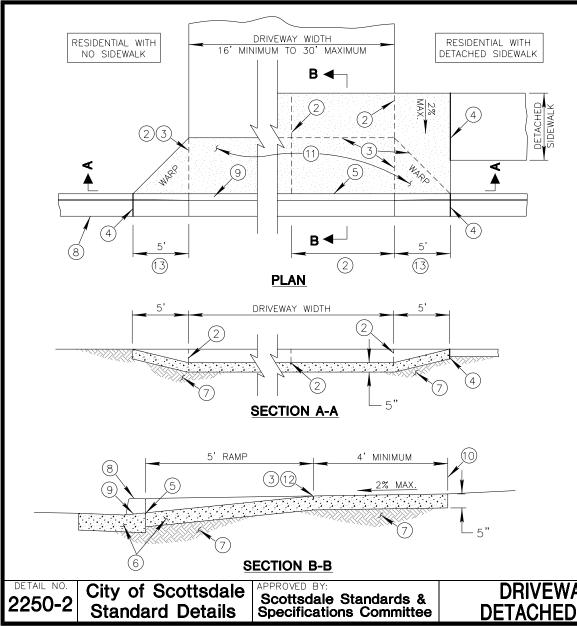


NOTES:

- 1. DEPRESSED CURB SHALL BE PAID FOR AT THE UNIT PRICE BID FOR THE TYPE OF CURB USED AT THAT LOCATION.
- 2. LONGITUDINAL JOINT(S) SHALL BE 8' MINIMUM TO 12' MAXIMUM ON CENTER, EQUALLY SPACED.
- 3. CONTRACTION JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/4 OF THE CONCRETE THICKNESS.
- MASTIC EXPANSION JOINT THROUGH CURB & GUTTER AND SIDEWALK SHALL BE 1/2" BITUMINOUS TYPE PREFORMED FILLER PER MAG SEC 340.
- 5. BACK OF CURB CONSTRUCTION JOINT.
- 6. CONCRETE SHALL BE CLASS B PER MAG SECTION 725.
- 7. SUBGRADE PREPARATION, MAG SECTION 301.
- 8. VERTICAL CURB AND GUTTER.
- 9. DEPRESSED CURB.
- 10. SIDEWALK OUTSIDE OF PUBLIC RIGHT-OF-WAY REQUIRES PUBLIC NON MOTORIZED ACCESS EASEMENT.
- 11. LIMITS OF CONCRETE DRIVEWAY PAVEMENT. PROVIDE ROUGH BROOM FINISH ON RAMP AND WINGS, LIGHT HAIR BROOM FINISH ON WALKWAY AREA.
- 12. HORIZONTAL SIDEWALK TRANSITION PER MAG 230, REQUIRED FOR SIDEWALKS LESS THAN 6' WIDE.
- 13. ELEVATION AT TOP OF DRIVEWAY RAMP SHALL BE 1" HIGHER THAN NORMAL CURB ELEVATION.
- 14. VERTICAL CURB TRANSITION ASSUMES 6" CURB HEIGHT. CURB HEIGHTS GREATER THAN 6" WILL REQUIRE SPECIAL DRIVEWAY DESIGN.

DRIVEWAY ENTRANCE - RESIDENTIAL ATTACHED SIDEWALK

DETAIL NO. 2250-



NOTES:

- 1. DEPRESSED CURB SHALL BE PAID FOR AT THE UNIT PRICE BID FOR THE TYPE OF CURB USED AT THAT LOCATION.
- 2. LONGITUDINAL JOINT(S) SHALL BE 8' MINIMUM TO 12' MAXIMUM ON CENTER, EQUALLY SPACED.
- 3. CONTRACTION JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/4 OF THE CONCRETE THICKNESS.
- MASTIC EXPANSION JOINT THROUGH CURB & GUTTER AND SIDEWALK SHALL BE ½" BITUMINOUS TYPE PREFORMED FILLER PER MAG SEC 340.
- 5. BACK OF CURB CONSTRUCTION JOINT.
- 6. CONCRETE SHALL BE CLASS B PER, MAG SECTION 725.
- 7. SUBGRADE PREPARATION, MAG SECTION 301.
- 8. VERTICAL CURB AND GUTTER.
- 9. DEPRESSED CURB.
- 10. SIDEWALK OUTSIDE OF PUBLIC RIGHT-OF-WAY REQUIRES PUBLIC NON MOTORIZED ACCESS EASEMENT.
- 11. LIMITS OF CONCRETE DRIVEWAY PAVEMENT. PROVIDE ROUGH BROOM FINISH ON RAMP AND WINGS, LIGHT HAIR BROOM FINISH ON WALKWAY AREA.
- 12. ELEVATION AT TOP OF DRIVEWAY RAMP SHALL BE 1" HIGHER THAN NORMAL CURB ELEVATION.

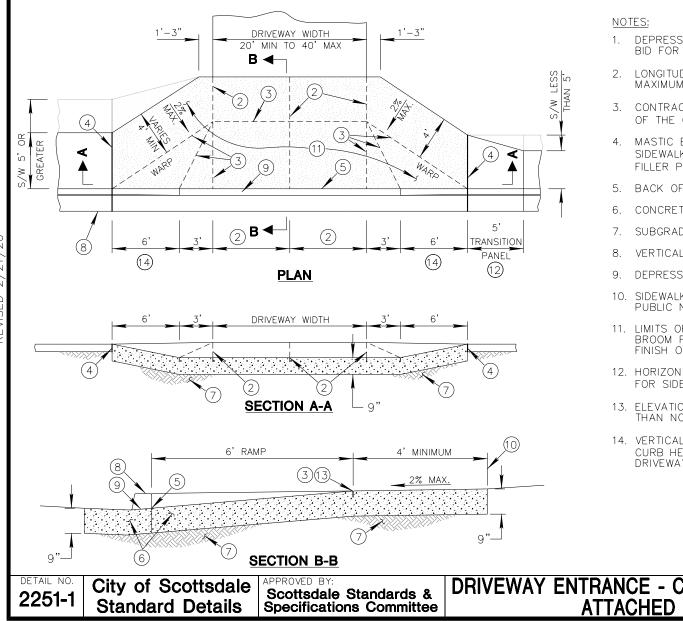
DETAIL NO.

2250-2

13. VERTICAL CURB TRANSITION ASSUMES 6" CURB HEIGHT. CURB HEIGHTS GREATER THAN 6" WILL REQUIRE SPECIAL DRIVEWAY DESIGN.

DRIVEWAY ENTRANCE - RESIDENTIAL DETACHED SIDEWALK AND NO SIDEWALK

2/21/20 REVISED



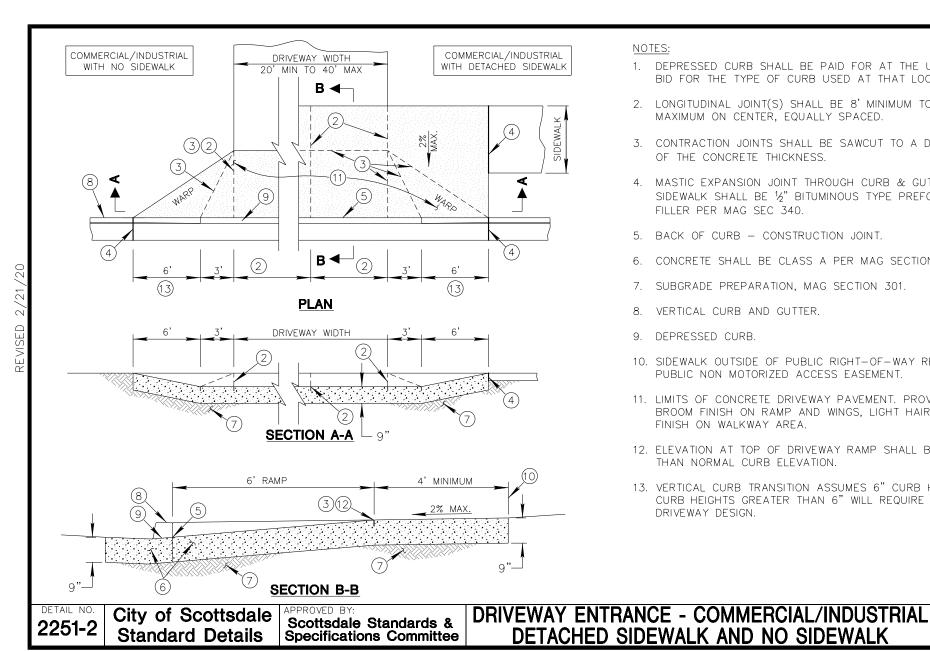
- DEPRESSED CURB SHALL BE PAID FOR AT THE UNIT PRICE BID FOR THE TYPE OF CURB USED AT THAT LOCATION.
- 2. LONGITUDINAL JOINT(S) SHALL BE 8' MINIMUM TO 12' MAXIMUM ON CENTER, EQUALLY SPACED.
- 3. CONTRACTION JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/4 OF THE CONCRETE THICKNESS.
- 4. MASTIC EXPANSION JOINT THROUGH CURB & GUTTER AND SIDEWALK SHALL BE 1/2" BITUMINOUS TYPE PREFORMED FILLER PER MAG SEC 340.
- 5. BACK OF CURB CONSTRUCTION JOINT.
- 6. CONCRETE SHALL BE CLASS A PER MAG SECTION 725.
- 7. SUBGRADE PREPARATION, MAG SECTION 301.
- 8. VERTICAL CURB AND GUTTER.
- 9. DEPRESSED CURB.
- 10. SIDEWALK OUTSIDE OF PUBLIC RIGHT-OF-WAY REQUIRES PUBLIC NON MOTORIZED ACCESS EASEMENT.
- 11. LIMITS OF CONCRETE DRIVEWAY PAVEMENT. PROVIDE ROUGH BROOM FINISH ON RAMP AND WINGS, LIGHT HAIR BROOM FINISH ON WALKWAY AREA.
- 12. HORIZONTAL SIDEWALK TRANSITION PER MAG 230, REQUIRED FOR SIDEWALKS LESS THAN 5' WIDE.
- 13. ELEVATION AT TOP OF DRIVEWAY RAMP SHALL BE 1" HIGHER THAN NORMAL CURB ELEVATION.

DETAIL NO.

2251-1

14. VERTICAL CURB TRANSITION ASSUMES 6" CURB HEIGHT. CURB HEIGHTS GREATER THAN 6" WILL REQUIRE SPECIAL DRIVEWAY DESIGN.

DRIVEWAY ENTRANCE - COMMERCIAL/INDUSTRIAL ATTACHED SIDEWALK



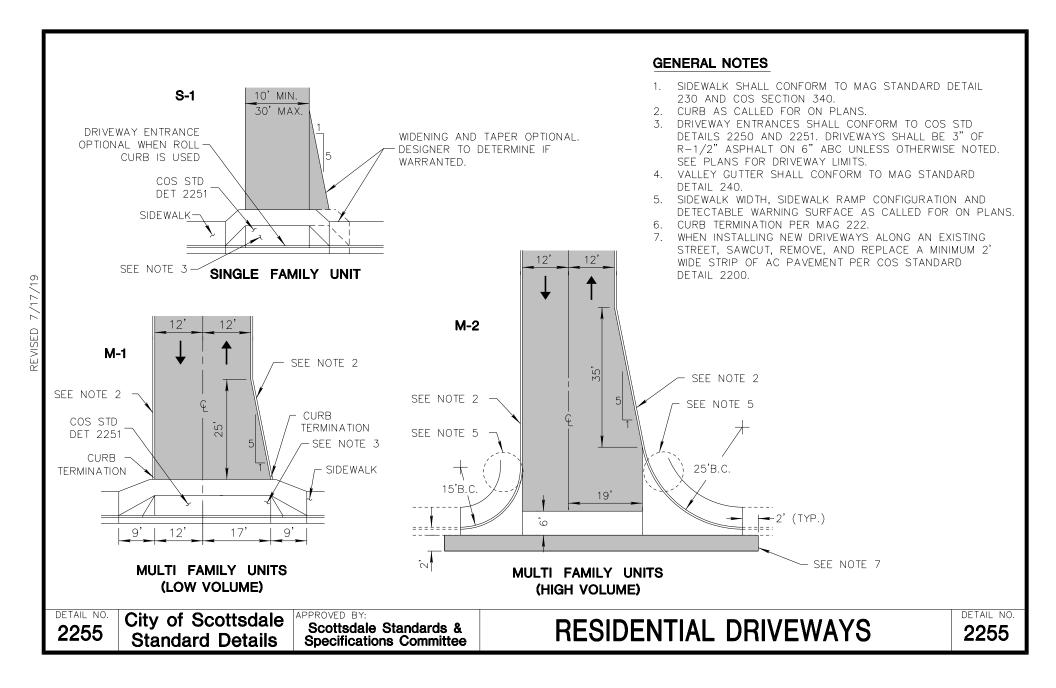
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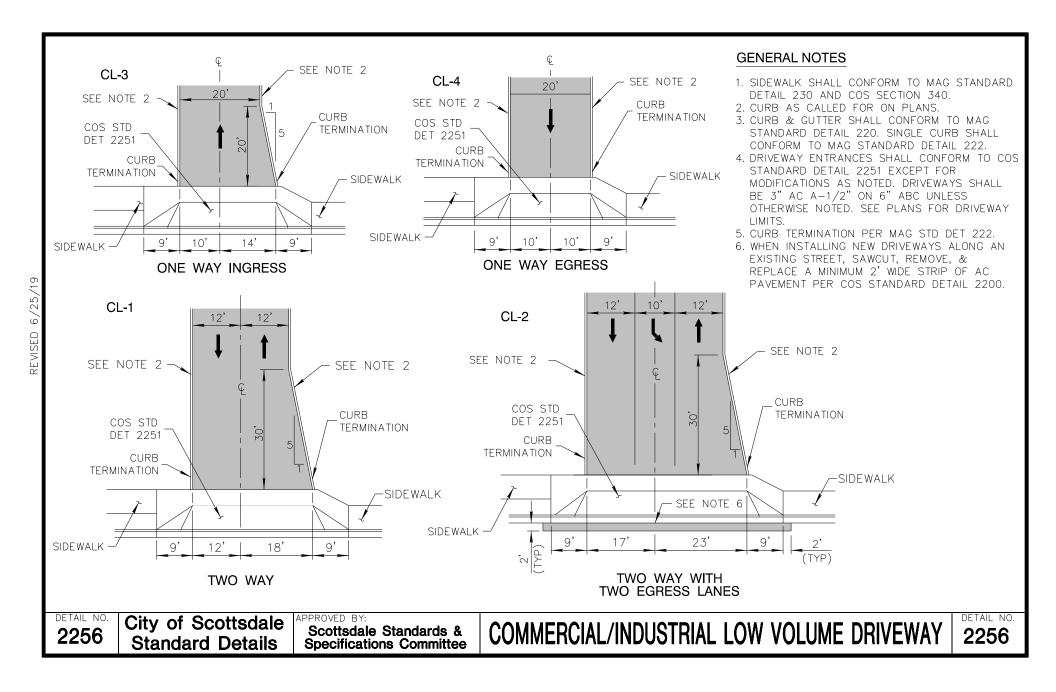
- 1. DEPRESSED CURB SHALL BE PAID FOR AT THE UNIT PRICE BID FOR THE TYPE OF CURB USED AT THAT LOCATION.
- 2. LONGITUDINAL JOINT(S) SHALL BE 8' MINIMUM TO 12' MAXIMUM ON CENTER, EQUALLY SPACED.
- 3. CONTRACTION JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/4 OF THE CONCRETE THICKNESS.
- 4. MASTIC EXPANSION JOINT THROUGH CURB & GUTTER AND SIDEWALK SHALL BE 1/3" BITUMINOUS TYPE PREFORMED FILLER PER MAG SEC 340.
- 5. BACK OF CURB CONSTRUCTION JOINT.
- 6. CONCRETE SHALL BE CLASS A PER MAG SECTION 725.
- 7. SUBGRADE PREPARATION, MAG SECTION 301.
- 8. VERTICAL CURB AND GUTTER.
- 9. DEPRESSED CURB.
- 10. SIDEWALK OUTSIDE OF PUBLIC RIGHT-OF-WAY REQUIRES PUBLIC NON MOTORIZED ACCESS EASEMENT.
- 11. LIMITS OF CONCRETE DRIVEWAY PAVEMENT, PROVIDE ROUGH BROOM FINISH ON RAMP AND WINGS, LIGHT HAIR BROOM FINISH ON WALKWAY AREA.
- 12. ELEVATION AT TOP OF DRIVEWAY RAMP SHALL BE 1" HIGHER THAN NORMAL CURB ELEVATION.

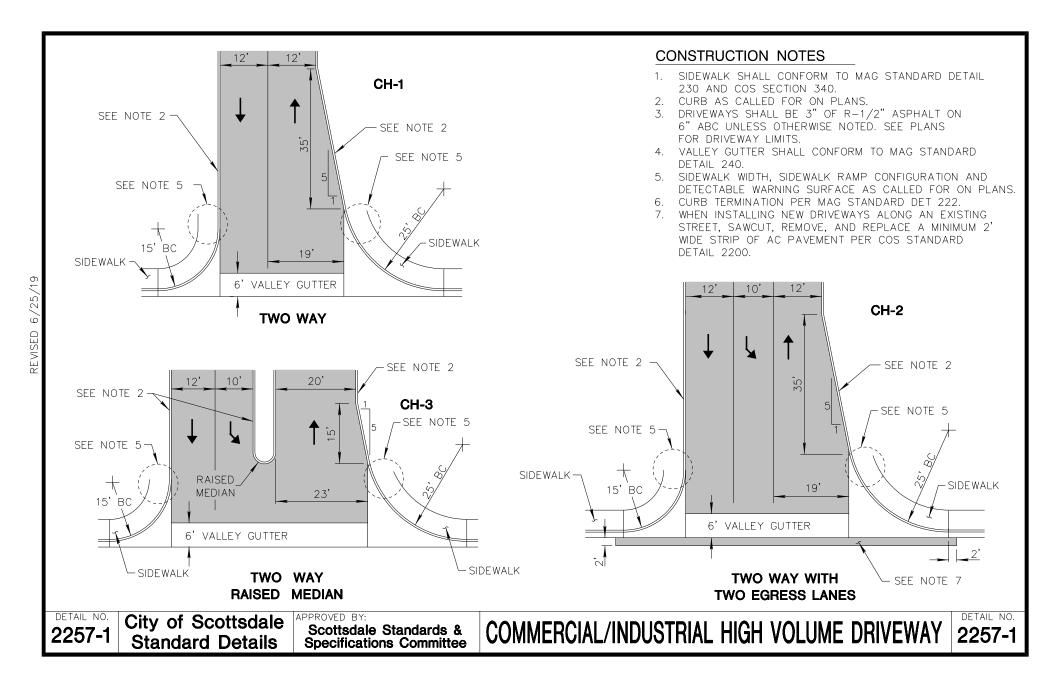
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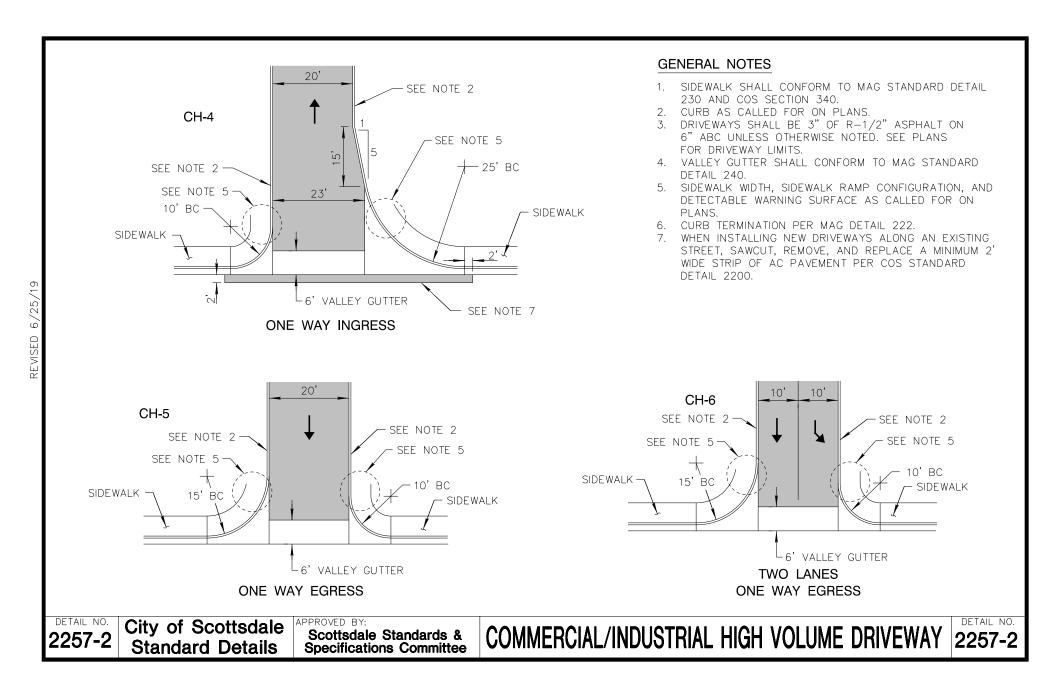
2251-2

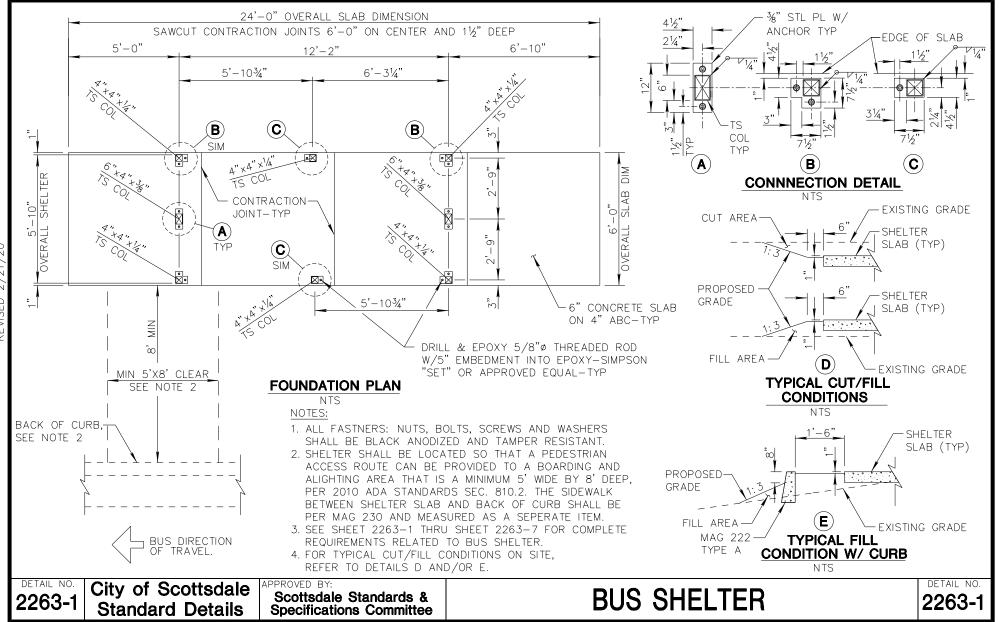
13. VERTICAL CURB TRANSITION ASSUMES 6" CURB HEIGHT. CURB HEIGHTS GREATER THAN 6" WILL REQUIRE SPECIAL DRIVEWAY DESIGN.



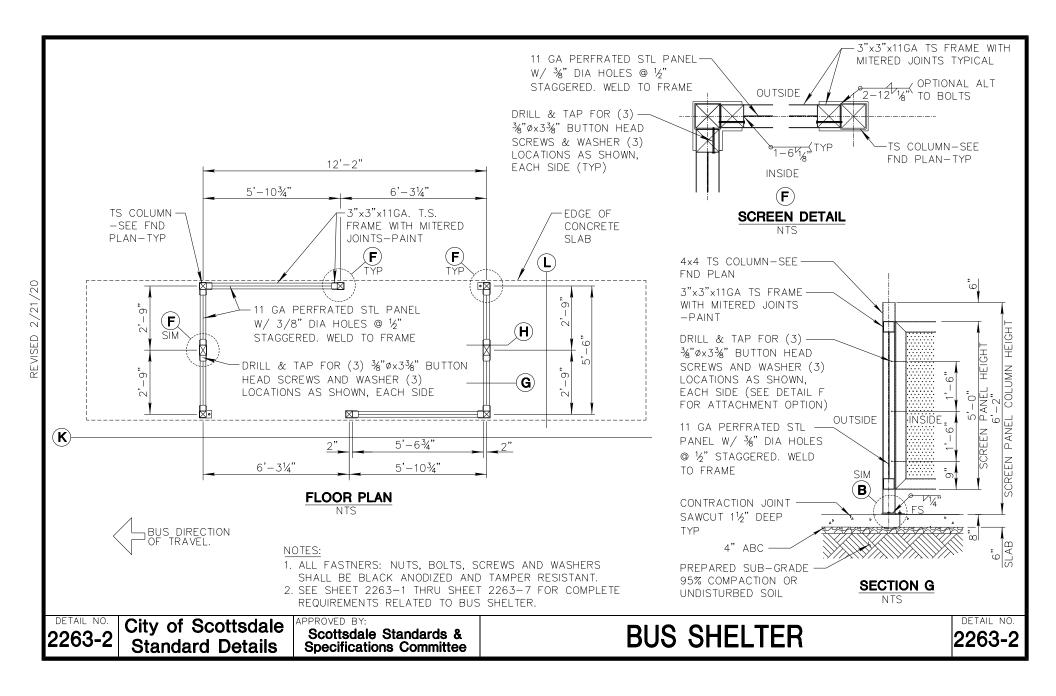


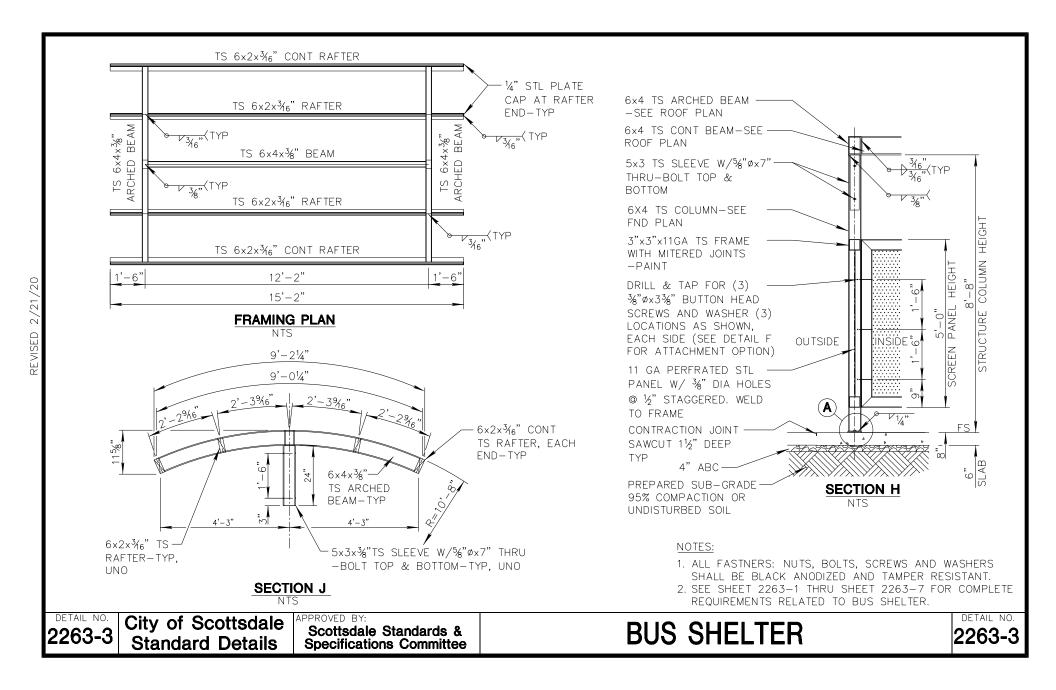


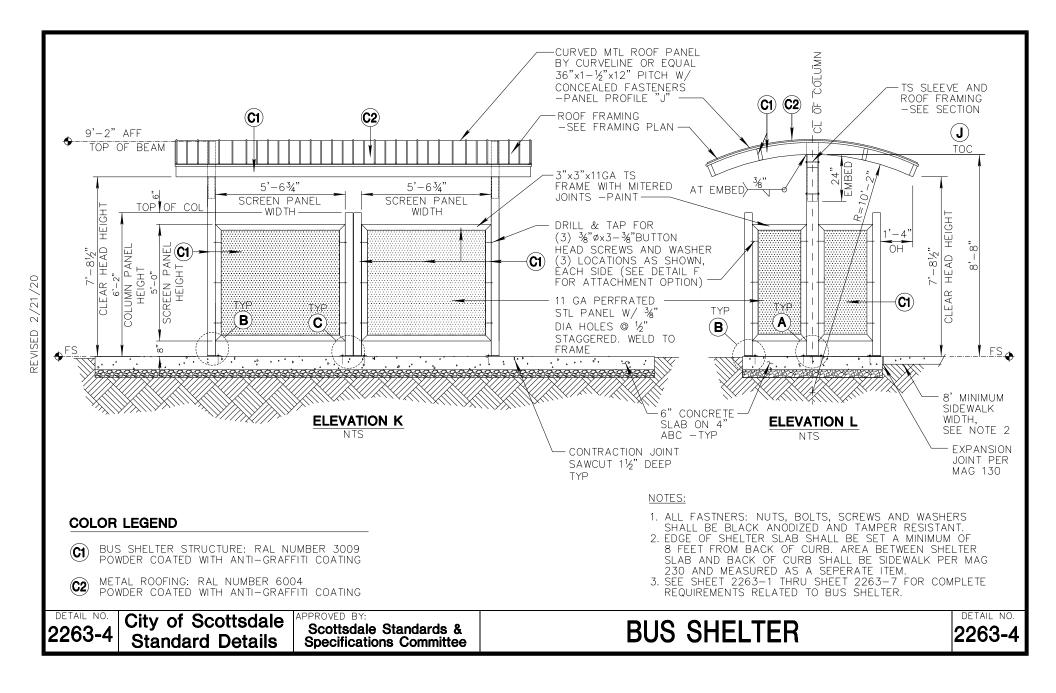


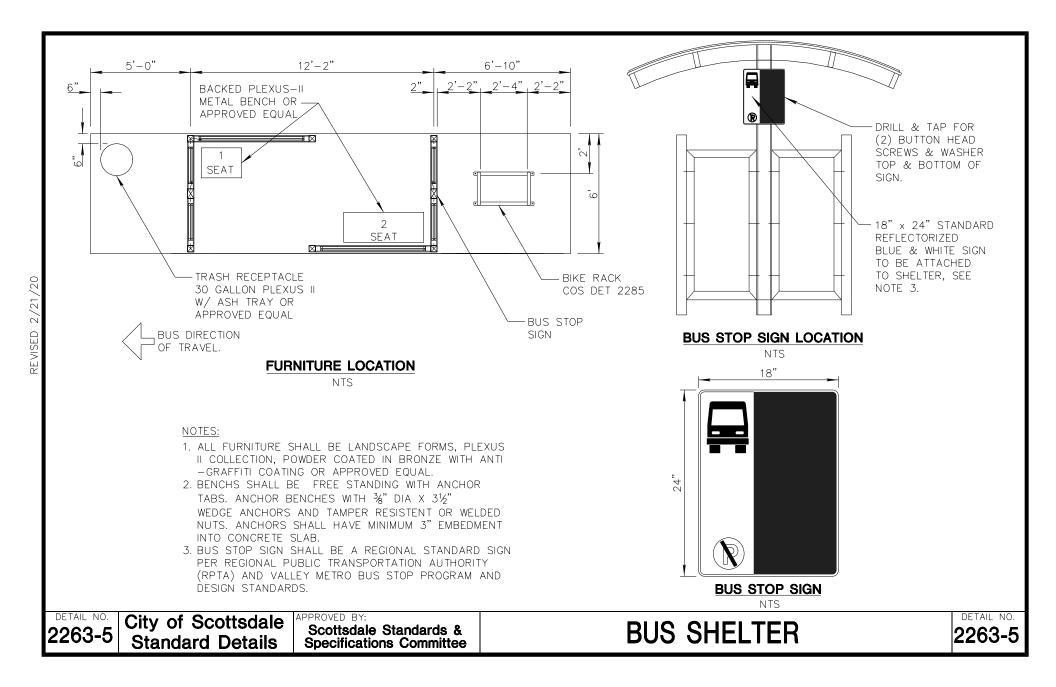


REVISED 2/21/20





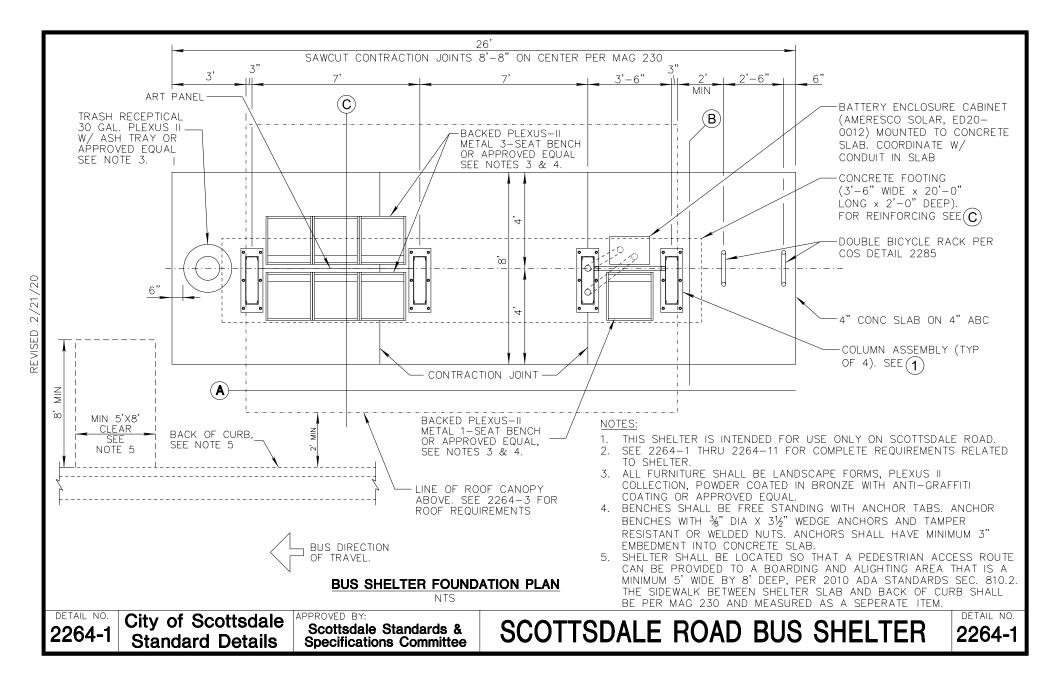


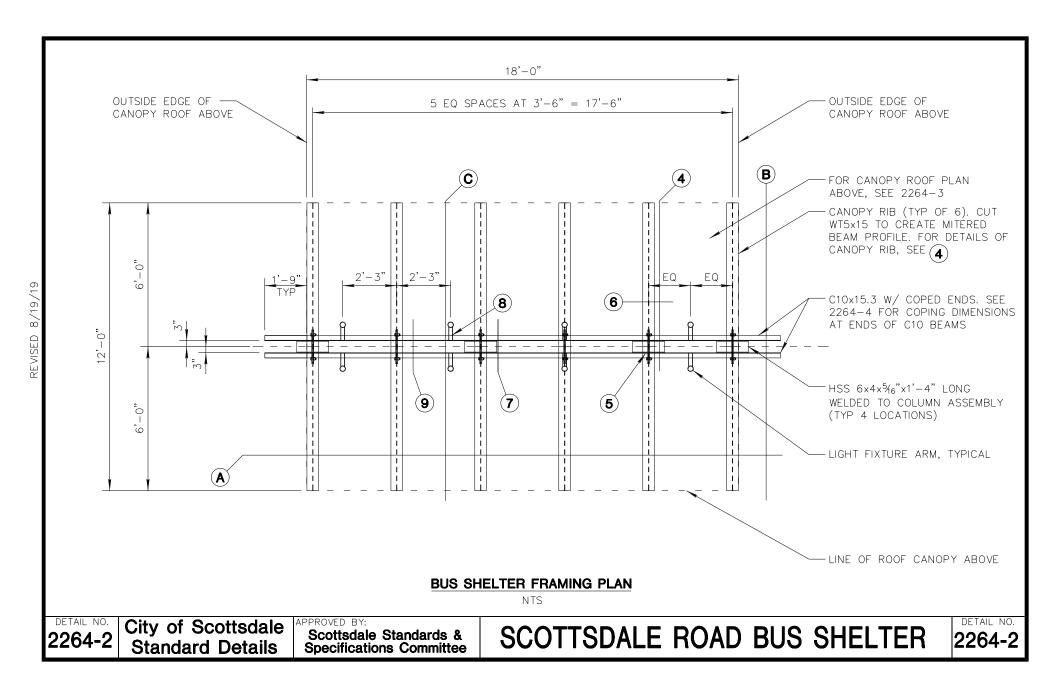


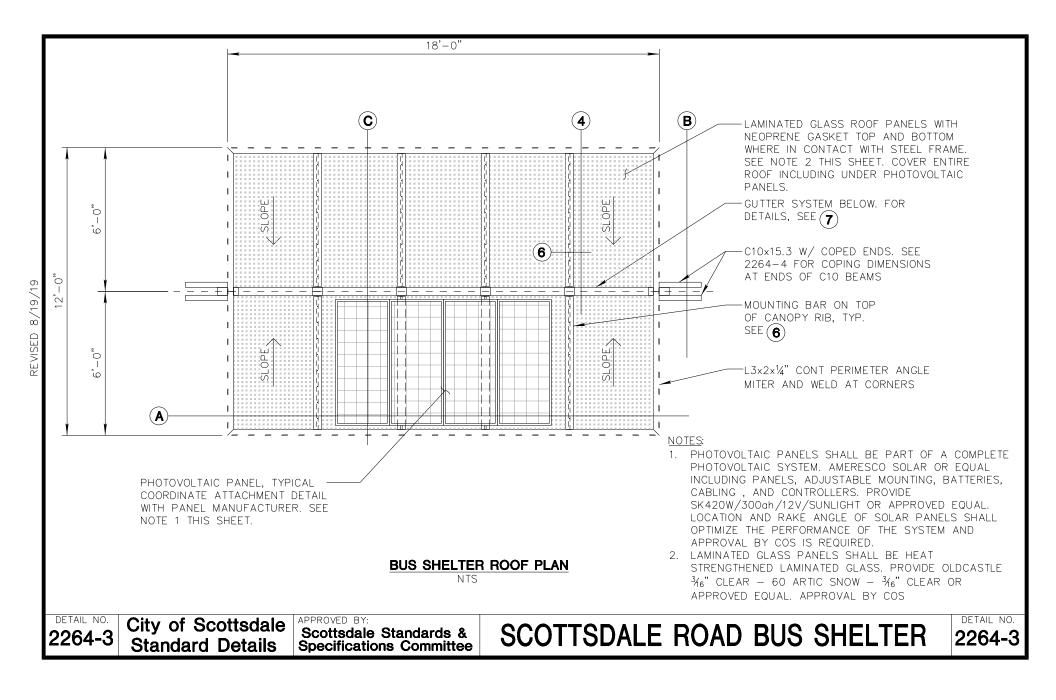
GENERAL STRUCTURAL NOTES		
BUILDING CODE:	SHOP DRAWINGS:	SPECIAL REQUIREMENTS
THE LATEST EDITION OF THE INTERNATIONAL BUILDING	SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL	1. AN ARTIST-DESIGNED SHELTER MAY BE SUBSTITUTED FOR
CODE, ADOPTED BY THE CITY OF SCOTTSDALE	STRUCTURAL ITEMS.	STANDARD SHELTER BY APPROVAL OF THE CITY OF
INCLUDING ANY CITY OF SCOTTSDALE AMENDMENTS.	THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS	SCOTTSDALE TRANSIT SECTION. HOWEVER, IT MUST INCOR-
LOADS:	PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH	H PORATE ALL THE FUNCTIONAL ELEMENTS INCLUDED IN THE
LATERAL:	CONTRACT DOCUMENTS SHALL BE FLAGGED UPON	STANDARD SHELTER. SEE TRANSIT & DESIGN REVIEW STAFF
WIND LOAD = 120 MPH WIND SPEED, EXPOSURE C.	CONTRACTOR'S REVIEW.	FOR DETAILS.
 FOUNDATIONS: COMPACT SUB GRADE AND BASE MATERIAL TO 95% OF THE ASTM D698 MAXIMUM DRY DENSITY. CONCRETE: MINIMUM 28 DAY STRENGTH 3,000 PSI ALL CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ACL. FOR CONCRETE WITHOUT PLASTICIZER, MAXIMUM SLUMP 4 1/2" AT POINT OF PLACEMENT U.N.O. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL. STRUCTURAL STEEL: ALL CONSTRUCTION PER LATEST AISC STEEL CON- STRUCTION HANDBOOK. ALL STRUCTURAL STEEL SHALL BE ASTM A-36 EXCEPT AS FOLLOWS: PIPE STEEL: ASTM A-53 GRADE B OR A-501 TUBE STEEL: ASTM A-500 GRADE B (Fy=46 KSI) BOLTS EMBEDDED IN CONCRETE: ASTM A-307. ALL FASTNERS, NUTS, BOLTS, SCREWS AND WASHERS SHALL BE BLACK ANODIZED AND TAMPER RESISTANT. UNLESS NOTED OTHERWISE, ALL WELDS PER LATEST EDITION OF THE AWS STANDARDS. ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIF- ICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CER- TIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING DONE BY E70 SERIES 	MANUFACTURER OR FABRICATOR SHALL CLOUD ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTEF ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY. THE ENGINEER HAS THE RIGHT TO APPROVE OR DIS- APPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANYTIME BEFORE OR AFTER SHOP DRAWING REVIEW. THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEEF OR ARCHITECT SHALL NOT BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. <u>SUPPLEMENTARY NOTES:</u> 1. CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO	 A) LEANING RAIL. B) LED REAL TIME BUS INFORMATION SIGN. C) BUS ROUTE/TRAFFIC INFORMATION KIOSKS. D) PEDESTRIAN RAILING AROUND THE BACK OF SHELTER ADJACENT TO STEEP SLOPES OR DROP-OFFS. 4. CITY OF SCOTTSDALE TRANSIT BUS SHELTERS SHALL BE PROVIDED WITH A GROUNDING SYSTEM THAT MAY CONSIST OF ONE OF THE FOLLOWING METHODS: A) 25 FET OF #4 STANDARD COPPER (UNINSULATED)
LOW HYDROGEN RODS PER AWS D1.1 UNLESS NOTED	AVOID EXCESSIVE STRESSES AND TO HOLD STRUC-	DESCREW TERMINATED IN WHERE IT WILL BE TERMINATED. A SET
OTHERWISE. THESE DRAWINGS DO NOT DISTINGUISH	TURAL ELEMENTS IN PLACE DURING CONSTRUCTION.	-SCREW TERMINAL LUG WILL BE FASTENED TO THE
BETWEEN SHOP AND FIELD WELDS; THE CONTRACTOR	2. CONTRACTOR SHALL ESTABLISH AND VERIFY IN FIEL	STRUCTURE UPRIGHT UNDER THE BOTTOM KICKPANEL. THE
MAY SHOP WELD OR FIELD WELD AT THEIR DISCRETION.	ALL EXISTING CONDITIONS AFFECTING NEW CONSTR-	AREA UNDER THE TERMINAL LUG WILL BE CLEANED OF ALL
SHOP WELDS AND FIELD WELDS SHALL BE SHOWN ON	UCTION, CONTACT CITY INSPECTOR IMMEDIATELY	RUST, SCALE AND PAINT. THE #8 BARE BOND CONDUCTOR
THE SHOP DRAWINGS SUBMITTED FOR REVIEW.	IF CONDITIONS ARE NOT AS DEPICTED IN DRAWINGS.	WILL BE TERMINATED IN THE SET-SCREW TERMINAL LUG.
SPECIAL INSPECTIONS:	3. SHELTER SLAB SHALL BE CLASS B CONCRETE PER	BOTH GROUNDING METHODS WILL BE DONE IN ACCORDANCE
POST INSTALLED ANCHORS	MAG SECTION 725.	WITH ARTICLE 250 OF NATIONAL ELECTRICAL CODE.
	BY:	JS SHELTER 2263-6

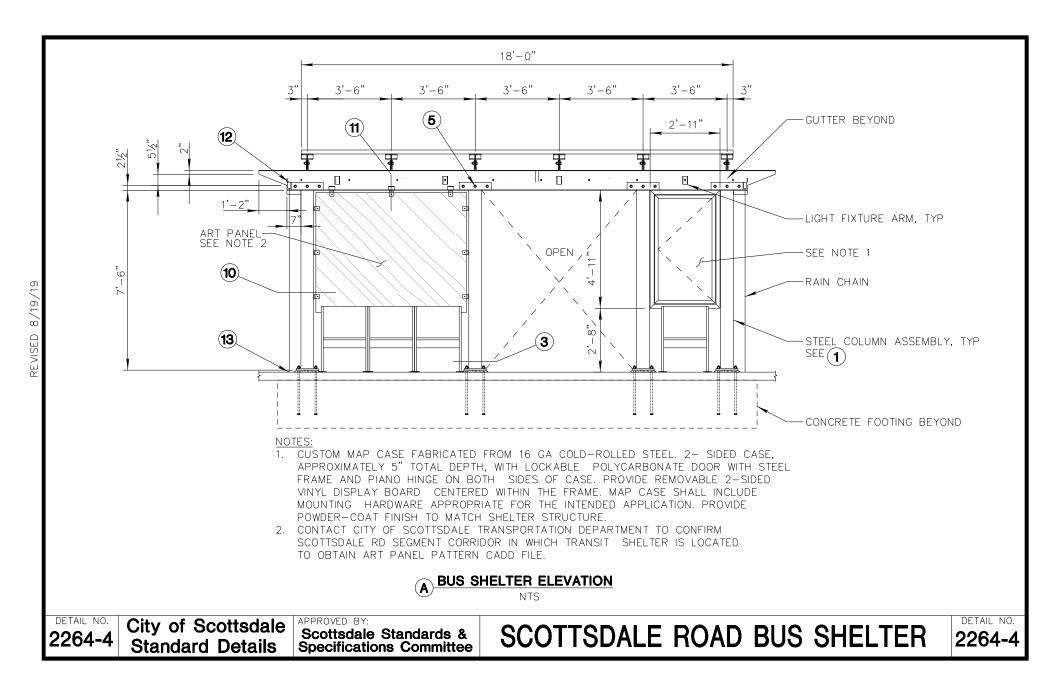
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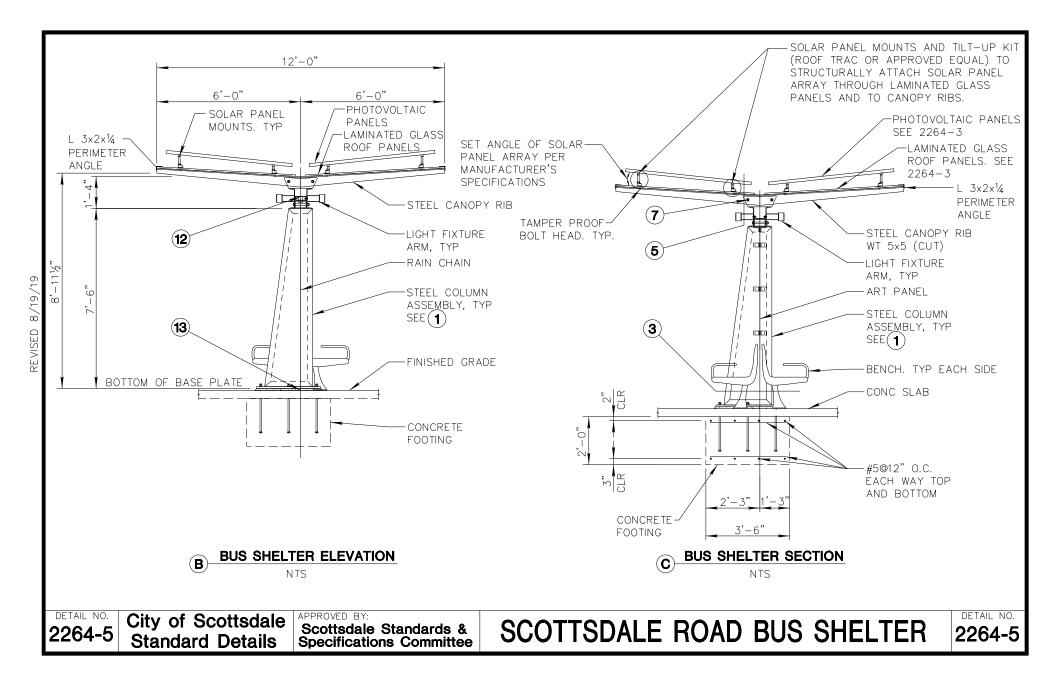
ABBREVIAT		1		MAY NUI HAVE PE	ERIODS, BUT SHALL BE READ AS SAME.	
AB ———	ANCHOR BOLT	DN		OSHA ———	OCCUPATIONAL SAFETY AND	
ABC		DWG(S)	DRAWING(S) END TO CENTERLINE		HEALTH ADMINISTRATION	
ACI		EC	- END TO CÉNTERLINE	PCI		
4/C		EE	- END TO END		INSTITÚTE	
AFF		EOS	- FDGE OF SLAB	PC	PRECAST CONCRETE POUNDS PER LINEAR FOOT	
		EQ		PLF		
100	CONSTRUCTION			+		
AISI	AMERICAN IRON AND STEEL		- EXPANSION BOLT		PREFABRICATED	
AI3I	INSTITUTE		- EXPANSION BOLT			
ALTO				PSF	POUNDS PER SQUARE FOOT	
AITC		EW		PSI	POUNDS PER SQUARE INCH	
	CONSTRUCTION	FDN	- FOUNDATION	PII		
	ALTERNATE		FINISHED FLOOR — FACE OF MEMBER — FACE OF STEEL	REINF	REINFORCING	
ANSI — — — — — — — — — — — — — — — — — — —		FOM	FACE OF MEMBER	SDI		
	INSTITUTE	FOS		SLH ———	SHORT LEG HORIZONTAL	
APA		FOW		SLV	SHORT LEG VERTICAL	
ARCH'L	ARCHITECTURAL	GA		SJI ———		
ASTM		GALV	— GALVANIZED	SIM	SIMILAR	
	AND MATERIALS	GSN		SQ	SQUARE SQUARE STEEL STUD MANUFACTURERS	
AWS		I GLB (GLULAM) —	- GLUED-LAMINATED BEAM	SSMA		
a)		HORIZ		JUNA	ASSOCIATION	
Эм — — — — — — — — — — — — — — — — — — —	BEAM		HORIZONTAL REINFORCING — INTERNATIONAL BUILDING CODE — INTERNATIONAL CONFERENCE OF	STD	STANDARD	
3M	BELAM BELOW FINISHED FLOOR					
				STL	STEEL TOTAL LOAD	
	BLOCK		BUILDING OFFICIALS 	IL	IUTAL LOAD	
30B ———	BOTTOM OF BEAM				TOP OF BEAM	
30D ———	BOTTOM OF DECK			тост —	TOP OF CONCRETE TOPPING TOP OF DECK	
30F	BOTTOM OF FOOTING BEARING	K(KIP)	— 1000 POUNDS — KIPS PER LINEAR FOOT — POUNDS — LIGHT GAGE STEEL	TOD	TOP OF DECK	
		KLF		TOF	TOP OF FOOTING	
C ———	CAMBER	LBS (#)	POUNDS	TOL	TOP OF LEDGER	
CC OC		LGS	LIGHT GAGE STEEL	ТОМ ———	TOP OF MASONRY TOP OF PLATE	
CG		LGSEA	LIGHT GAGE STEEL ENGINEERS	TOPL	TOP OF PLATE	
CIP			ASSOCIATION	ТОРС		
CL		LOD	- LOCATION OF DETAILS	TOS	TOP OF STEEL	
	CENTERLINE OF BEAM	l ii ———	- LIVE LOAD	TOW	TOP OF WALL	
CLC	CENTERLINE OF COLUMN	Г <u>п</u> н — — — — — — — — — — — — — — — — — — —	LIVE LOAD LONG LEG HORIZONTAL		TRUSS PLATE INSTITUTE	
	CENTERLINE OF COLUMN		- LONG LEG VERTICAL		TUBE STEEL	
			MADICODA ASSOCIATION OF COV'T		IUDE SIELL	
	CENTERLINE OF WALL			11H	TYPICAL TONGUE AND GROOVE	
	CLEAR	MAS		1&G	TONGUE AND GROOVE	
CONC	CONCRETE	MAS CJ	- MASONRY CONTROL JOINT	UBC	UNIFORM BUILDING CODE	
		MAX		UNO		
		МВМА — — — — — — — — — — — — — — — — — — —		vert —	WEST COAST LUMBER ASSOCIATION	
СМО ———			ASSOCIATION	WCLA		
COL	COLUMN	MECH'L	MECHANICAL	WCLIB		
CONN	CONNECTION	MFR('S)	— MANUFACTURER('S)		RURFALL	
	CONTINUOUS	MIN	- MINIMUM	WWF	WELDED WIRE FABRIC WESTERN WOOD PRODUCTS	
cos ———		NI / A		WWP A	WESTERN WOOD PRODUCTS	
CRSI		NTS	NOT TO SCALE — ON CENTER — OUTSIDE FACE OF WALL — OPPOSITE		ASSOCIATION	
	INSTITUTE		- ON CENTER	w//		
DET		0EW	- OUTSIDE EACE OF WALL	w/	WITH WATER TO CEMENT RATIO WITHOUT	
			ODDOGITE	W/C	WATER TO CEMENT RATIO	
	DEAD LOAD		UPPUSITE	W/U	WITHOUT	
ø or dia ——	DIAMETER					
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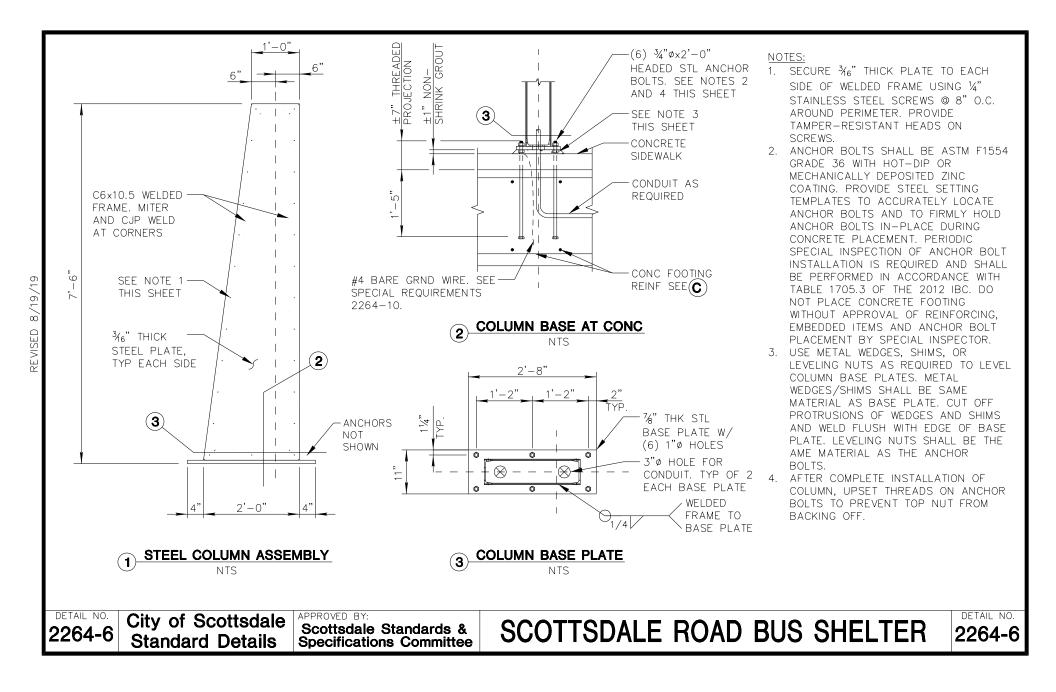


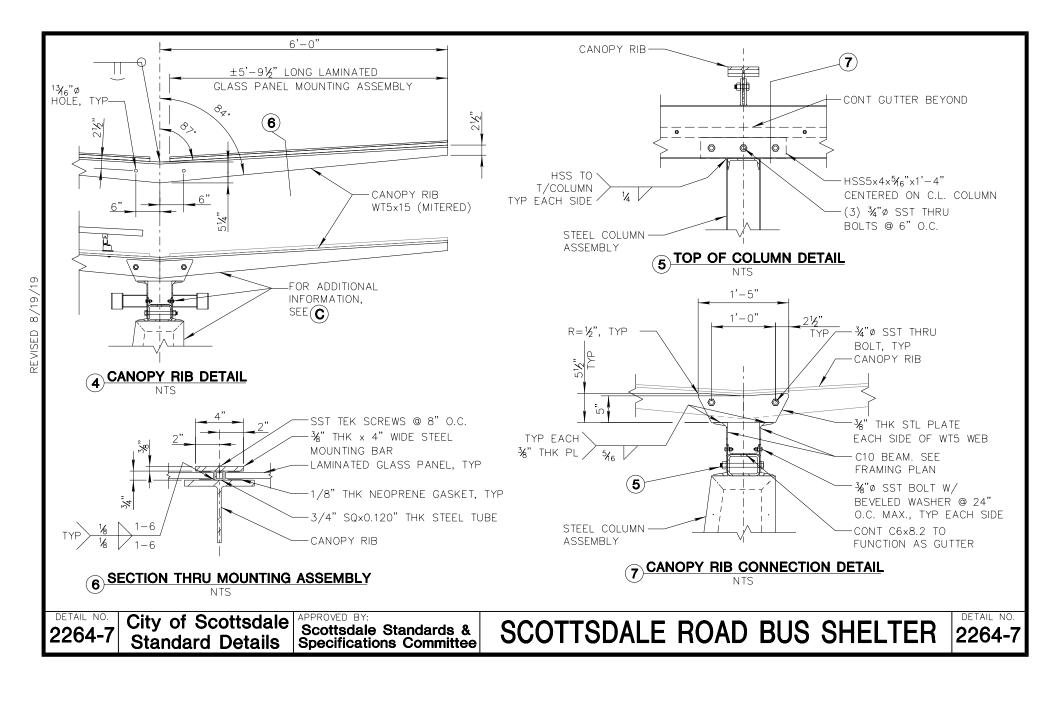


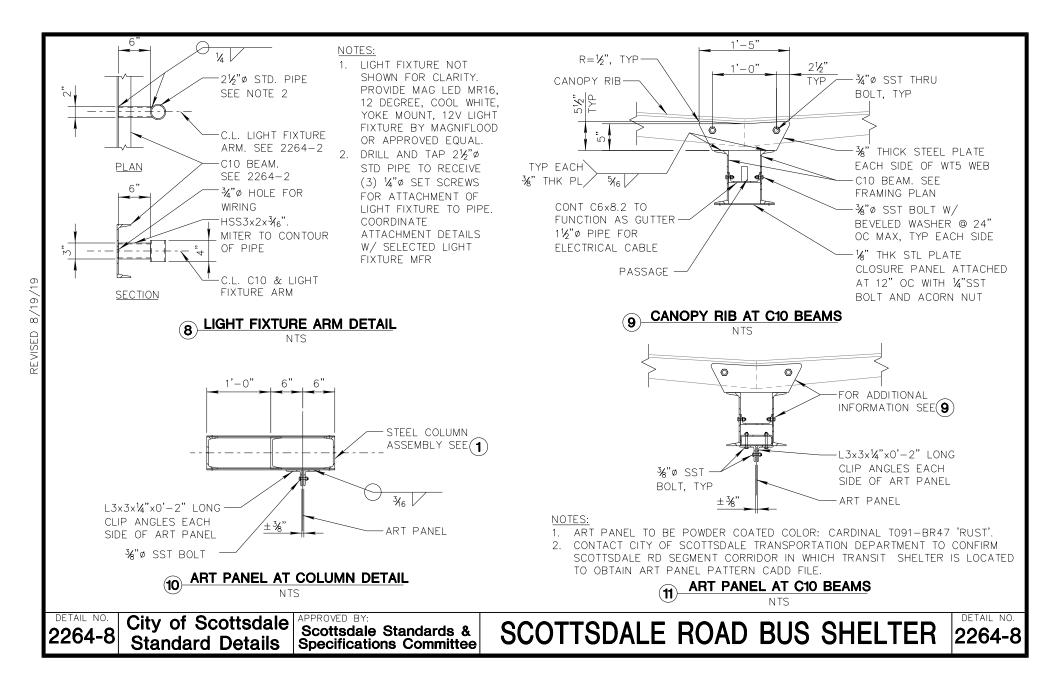


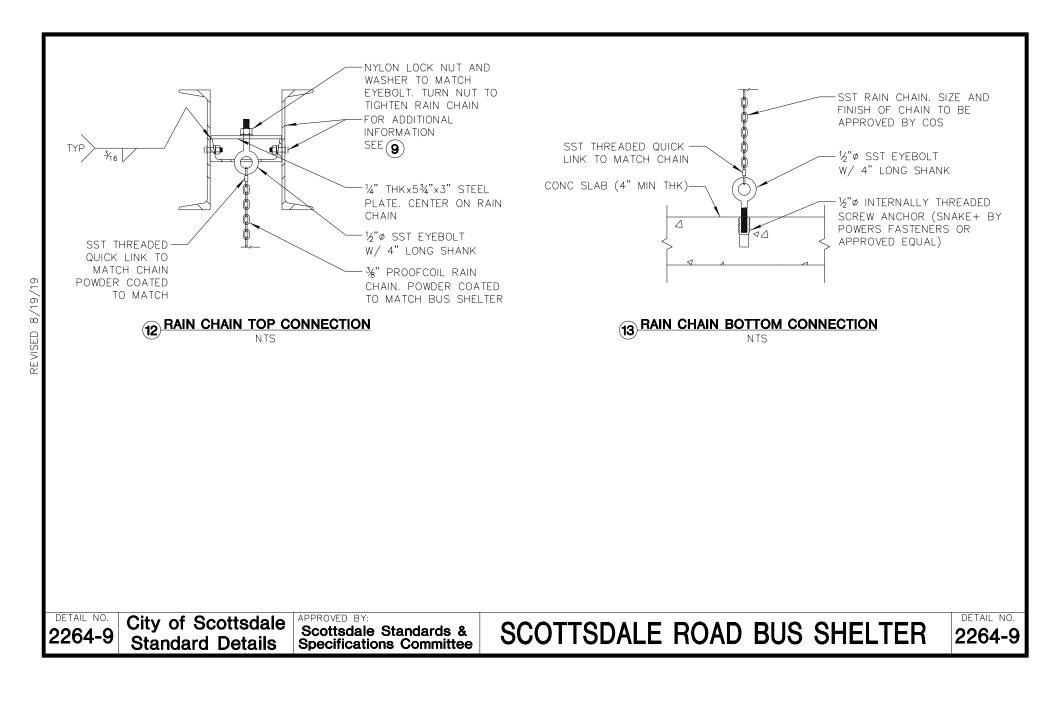






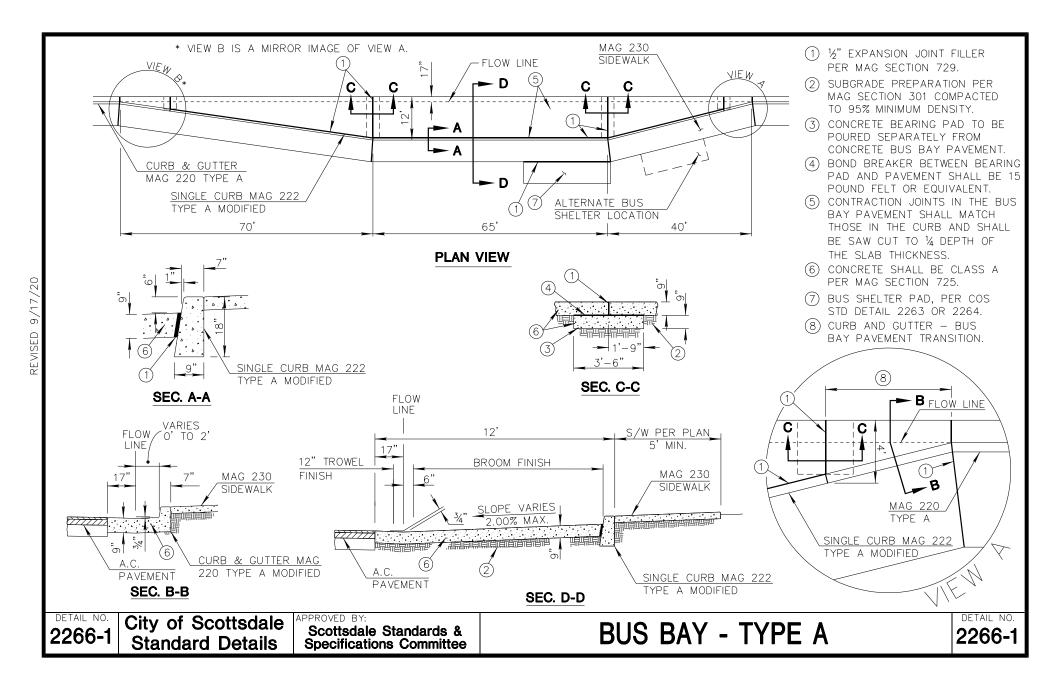


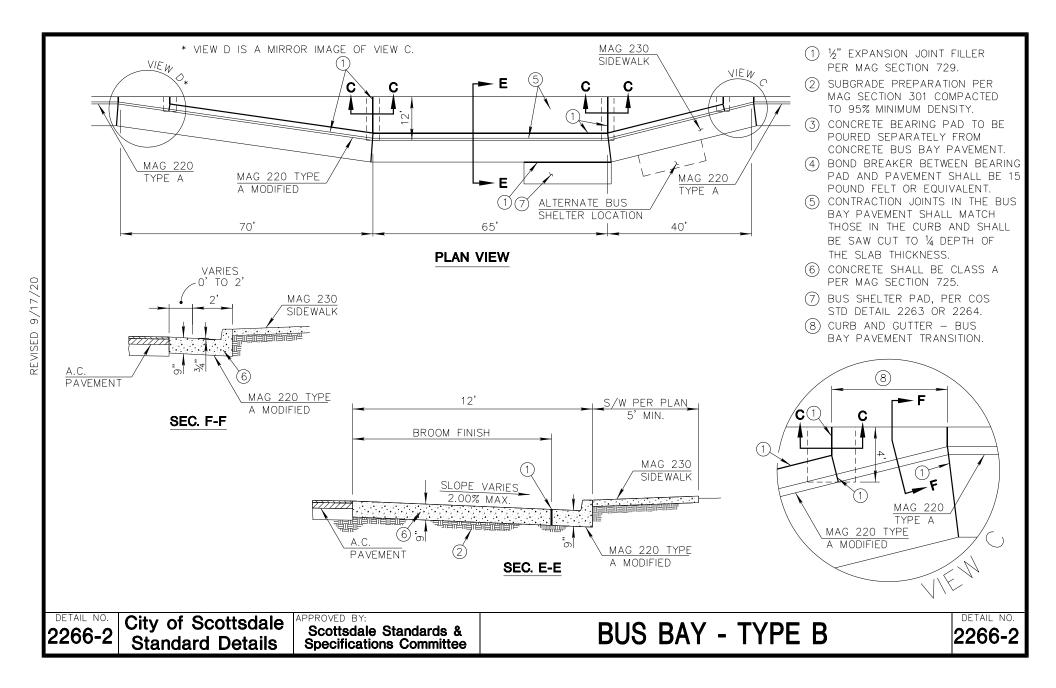


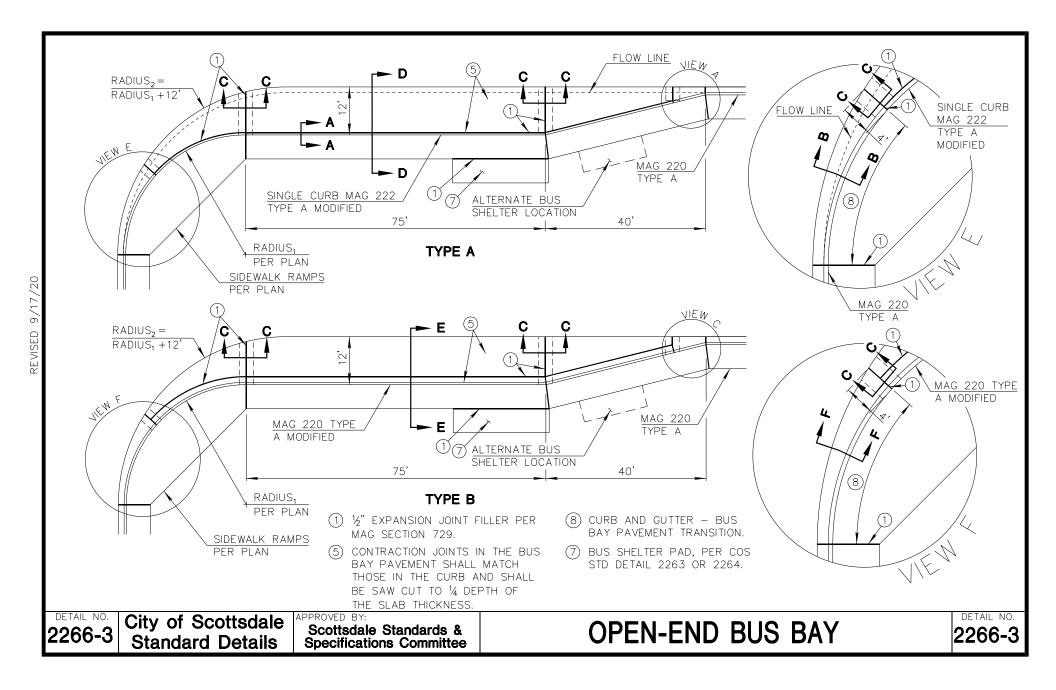


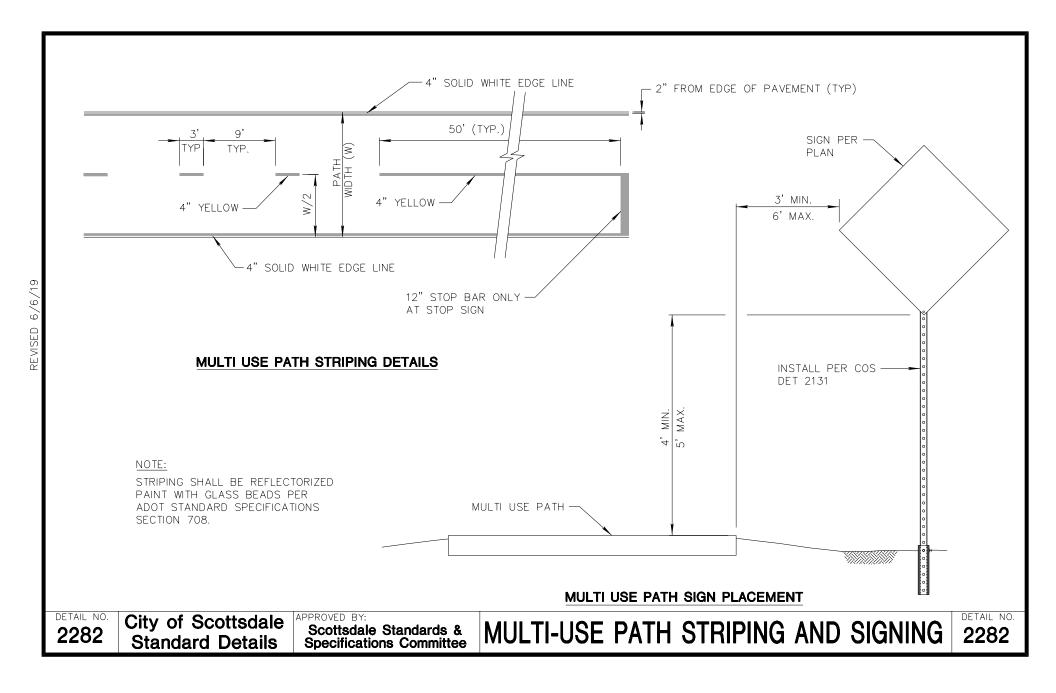
BUILDING CODE:	STRUCTURAL STEEL: CONTINUED	SPECIAL REQUIREMENTS		
THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE ADOPTED BY THE CITY OF SCOTTSDALE INCLUDING ANY CITY OF SCOTTSDALE AMENDMENTS. LOADS: LATERAL:	ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CERTIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING DONE BY E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. THESE	1. AN ARTIST-DESIGNED SHELTER MAY BE SUBSTITUTED F STANDARD SHELTER BY APPROVAL OF THE CITY OF SCOTTSDALE TRANSIT SECTION. HOWEVER, IT MUST INCORPORATE ALL THE FUNCTIONAL ELEMENTS INCLUDE IN THE STANDARD SHELTER. SEE TRANSIT & DESIGN REVIEW STAFF FOR DETAILS.		
FOUNDATIONS: COMPACT SUB GRADE AND BASE MATERIAL TO 95%	DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS; THE CONTRACTOR MAY SHOP WELD OR FIELD WELD AT THEIR DISCRETION. SHOP WELDS AND FIELD WELDS SHALL BE SHOWN ON THE SHOP DRAWINGS	2. STANDARD BUS STOP SIGN LOCATION, NEW OR RE- LOCATED SIGNS SHALL BE APPROVED BY THE TRAFFIC/ TRANSIT STAFF.		
CONCRETE: MINIMUM 28 DAY STRENGTH 3,000 PSI. ALL CAST-IN- PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ACI. FOR CONCRETE	SHOP DRAWINGS: SHOP DRAWINGS: SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS.	 3. ADDITIONAL REQUIREMENTS MAY INCLUDE: A) LEANING RAIL. B) LED REAL TIME BUS INFORMATION SIGN. C) BUS ROUTE/TRAFFIC INFORMATION KIOSKS. D) PEDESTRIAN RAILING AROUND THE BACK OF SHELT ADJACENT TO STEEP SLOPES OR DROP-OFFS. 		
AT POINT OF PLACEMENT UNLESS NOTED OTHERWISE. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL.	THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON CONTRACTOR'S REVIEW.	4. CITY OF SCOTTSDALE TRANSIT BUS SHELTERS SHALL BE PROVIDED WITH A GROUNDING SYSTEM OF THE FOLLOWING METHOD: 25 FEET OF #4 STANDARD COPPER (UNINSULATED) INSTALLED IN THE BASE OF ONE OF THE UPRIGHT		
HANDBOOK. ASTM A615 ($Fy = 60 \text{ KSI/GRADE } 60$) DEFORMED BARS FOR ALL BARS.	MANUFACTURER OR FABRICATOR SHALL CLOUD ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL	FOUNDATIONS. THE GROUNDING CONDUCTOR WILL EXTEND OUT OF THE POURED CONCRETE FOUNDATION WITH A LENGTH NOT TO EXCEED 3 FEET. THE GROUNDING CONDUCTOR WILL BE WRAPPED IN A CLOCKWISE ROTATION, ONE WRAP, AROUND ON THE		
PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE COVERED REINFORCING IS NOT AN	NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY. THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANYTIME BEFORE OR AFTER SHOP DRAWING REVIEW.	UPRIGHT ANCHOR BOLTS OF THE COLUMN IN WHICH T CONDUIT SYSTEM ENTERS. A FLAT FENDER WASHER W BE INSTALLED ON TOP OF THE CONDUCTOR WITH THE ANCHOR BOLT NUT ON TOP OF THE FLAT WASHER AN SECURED. GROUNDING METHODS WILL BE DONE IN		
REINFORCING, AND SHALL NOT BE LESS THAN STATED,	THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS, ITEMS OMITTED OR SHOWN INCORRECTLY AND	ACCORDANCE WITH ARTICLE 250 OF NATIONAL ELECTRICAL CODE. 5. ALL METAL ELEMENTS OF THE STRUCTURE WILL BE		
ALL OTHERS SHALL BE PLUS OR MINUS 1/4" TYPICAL UNLESS NOTED OTHERWISE.	ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT SHALL NOT BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ITEMS ARE CONSTRUCTED TO	POWDER COATED WITH ANTI-GRAFFITI COATING TO MATCH THE COLOR: CARDINAL POWDER COATINGS T091-BR47 'RUST'.		
ALL CONSTRUCTION PER LATEST AISC STEEL CONST. MANUAL. ALL TUBE STEEL SHALL BE ASTM A500	CONTRACT DOCUMENTS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.	6. CONTACT CITY OF SCOTTSDALE TRANSPORTATION DEPARTMENT TO CONFIRM SCOTTSDALE RD SEGMENT CORRIDOR IN WHICH TRANSIT SHELTER IS LOCATED TO OBTAIN ART PANEL PATTERN CADD FILE.		
ÒTHERWISE SHALL BE ASTM A36 (Fy = 36 KSI). UNLESS NOTED OTHERWISE, ALL WELDS PER LATEST	REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.			

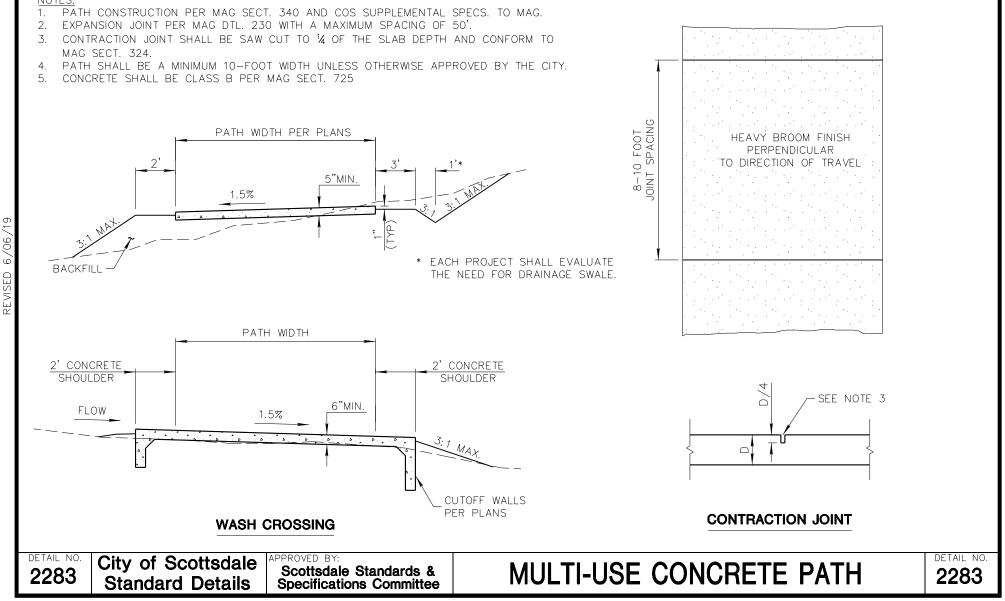
ABC			—— DRAWING(S)	PLF	POUNDS PER LINEAR FOOT
	AGGREGATE BASE COURSE	EC	END TO CÉNTERLINE	+	
CI		FF	END TO END		PREFABRICATED
FF		FOS		PSF	POUNDS PER SQUARE FOOT
		EQ		PSI	——— POUNDS PER SQUARE INCH
130	CONSTRUCTION	EQUIP		1.01	
AISI	AMERICAN IRON AND STEEL		- EXPANSION BOLT		
	INSTITUTE				
. т. т.		EW	EACH WAY		
	ALTERNATE AMERICAN NATIONAL STANDARDS				SIMILAR SQUARE
11121					
			FACE OF STEEL	SSMA	
		FOW	FACE OF WALL	0.75	ASSOCIATION
KCHL	ARCHITECTURAL	GA			STANDARD
(STM		GALV	—— GALVANIZED	STL	STEEL
	AND MATERIALS				TOTAL LOAD
4WS	AMERICAN WELDING SOCIETY				TOP OF BEAM
	—— AT (MEASUREMENT)	IBC ———		TOCT	TOP OF CONCRETE TOPPING
3M ———	BEAM	ICB0	INTERNATIONAL CONFERENCE OF	TOD	TOP OF DECK
3FF ———			BUILDING OFFICIALS	TOF	TOP OF FOOTING
3lk ———	BLOCK	IFW		TOL	TOP OF LEDGER
30B — — — — — — — — — — — — — — — — — — —	BOTTOM OF BEAM	K(KIP)		TOM	TOP OF MASONRY
30F — — — — — — — — — — — — — — — — — — —	BOTTOM OF FOOTING	KLF		TOP	TOP OF PLATE
3RG —	BEARING	LBS (#)	POUNDS	TOPC	
D	CAMBER	LGS	LIGHT GAGE STEEL	TOS	TOP OF STEEL
CC		LGSEA	LIGHT GAGE STEEL ENGINEERS	том ———	TOP OF WALL
CG			ASSOCIATION		
CIP		LOD			TYPICAL
DL		LL	LIVE LOAD		
CLB		LLH	LONG LEG HORIZONTAL	VERT	
CLC					
DLC DIF		MAS	- MASONRY		
CLW		MAS CJ		W/	WITH
CLR		MAX	— MAXIMUM	W/C	WATER TO CEMENT RATIO
CONC		MECH'L	MECHANICAL	W/0	WITHOUT
			— MANUFACTURER('S)		
20NC CJ	CONCRETE CONTROL JOINT	MIN			
.MU		/			
CONT					
CRSI —					
	INSTITUTE		OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION		
νL ———	DEAD LOAD		HEALTH ADMINISTRATION		
y or dia ——	DIAMETER				
DETAIL NO.	City of Scottsdale Soottade	Y.		1	DETAI



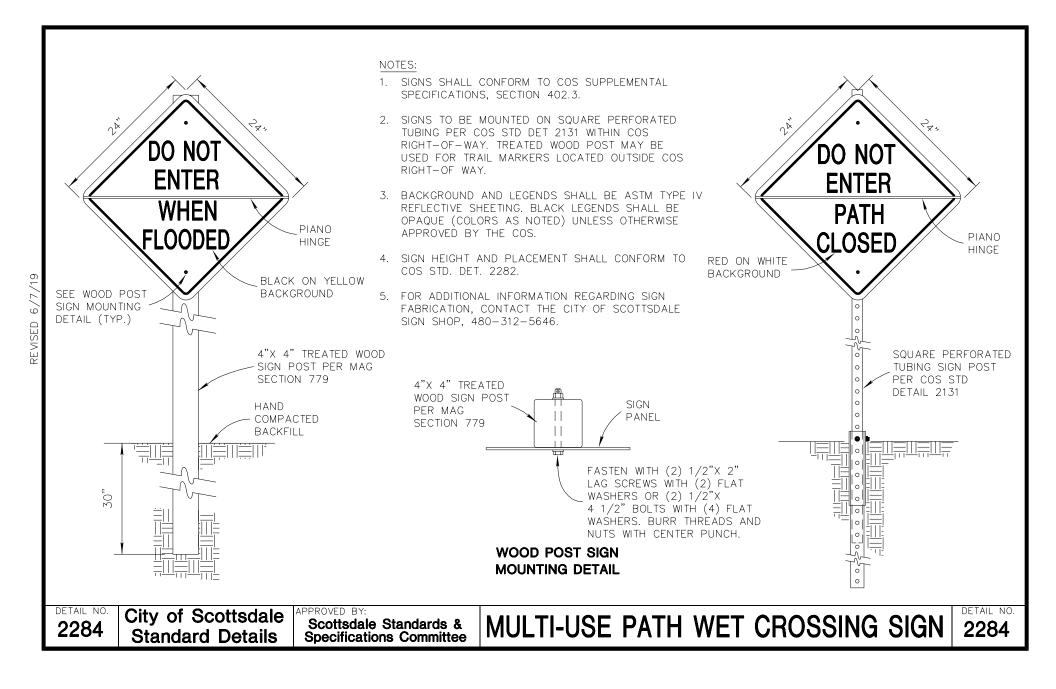


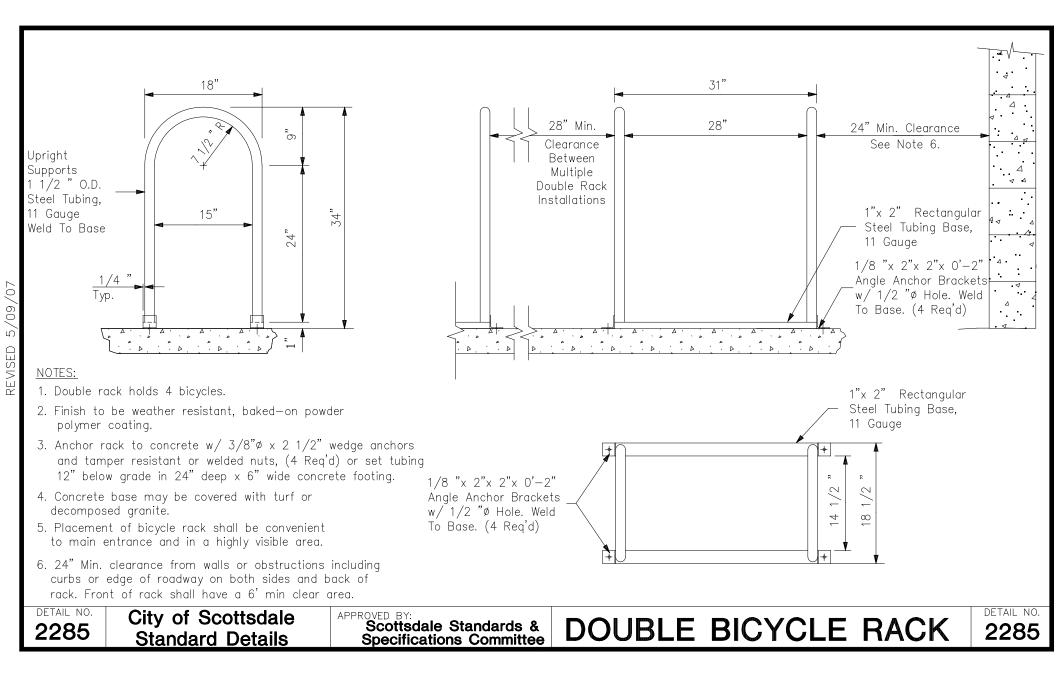


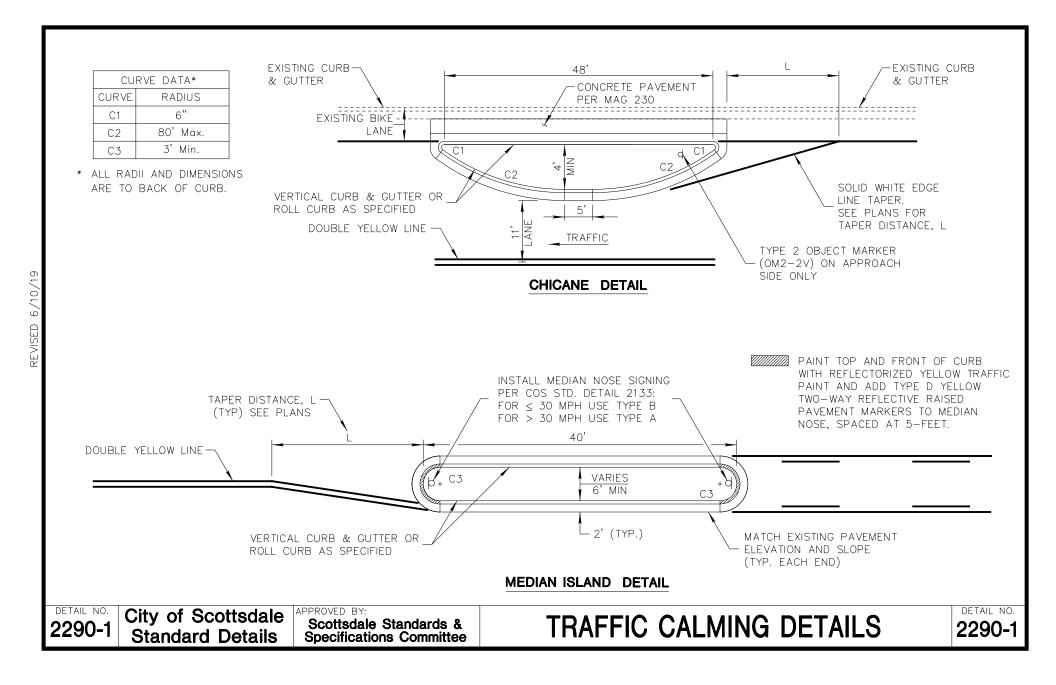


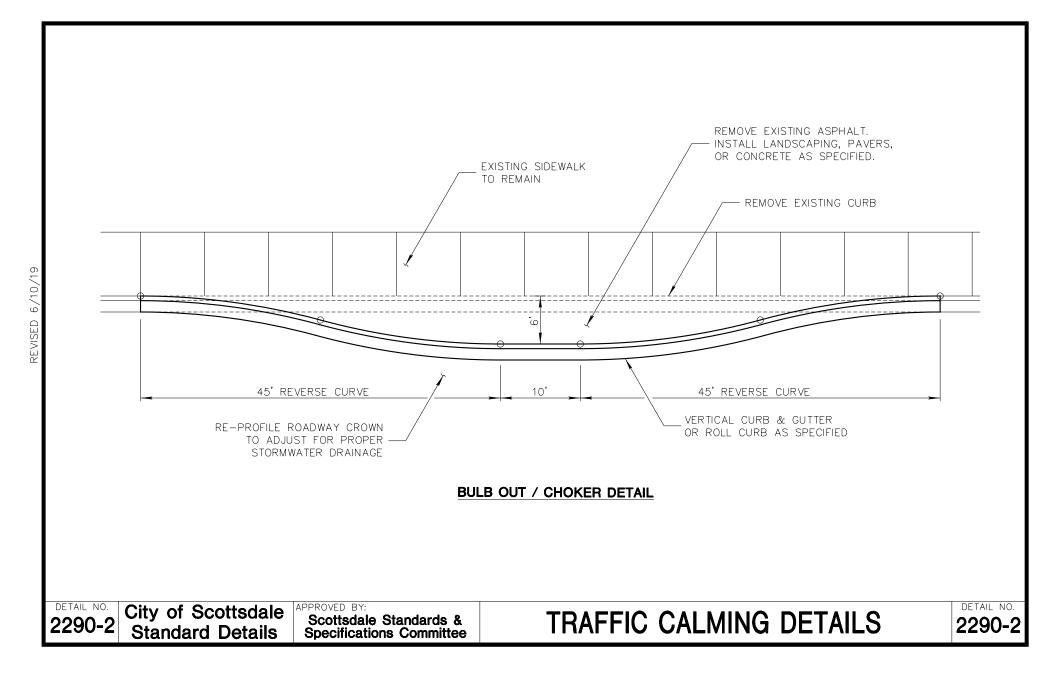


NOTES:





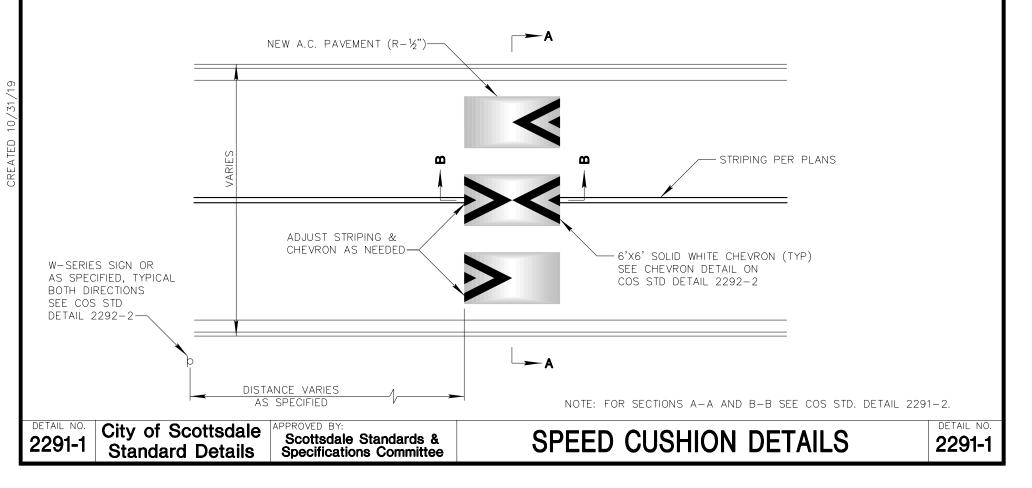


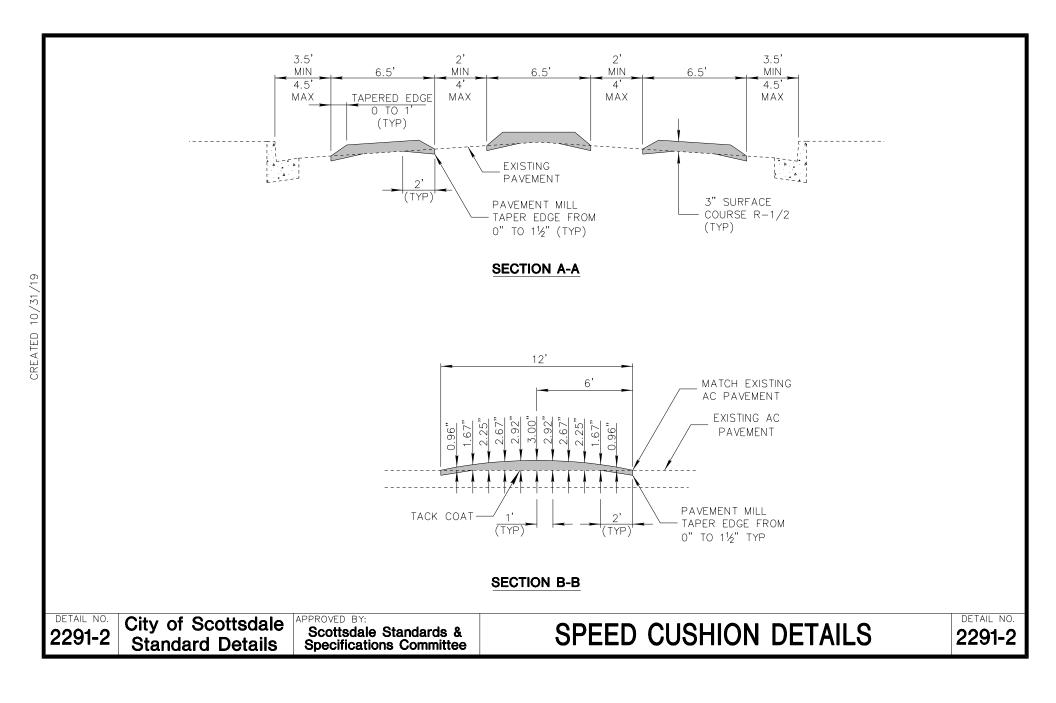


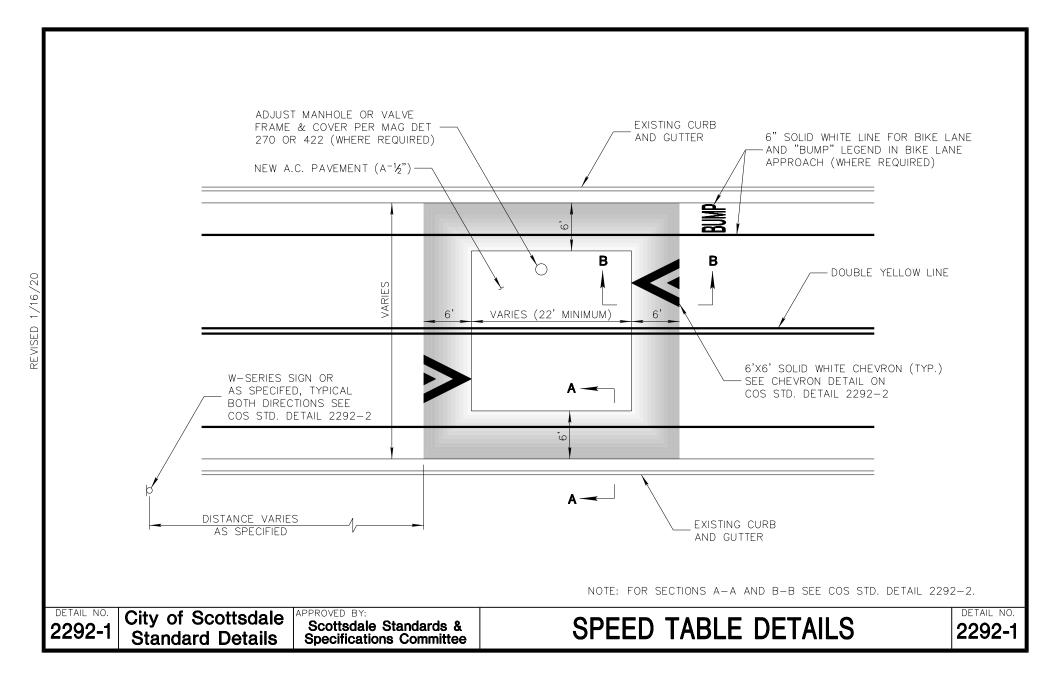
GENERAL NOTES

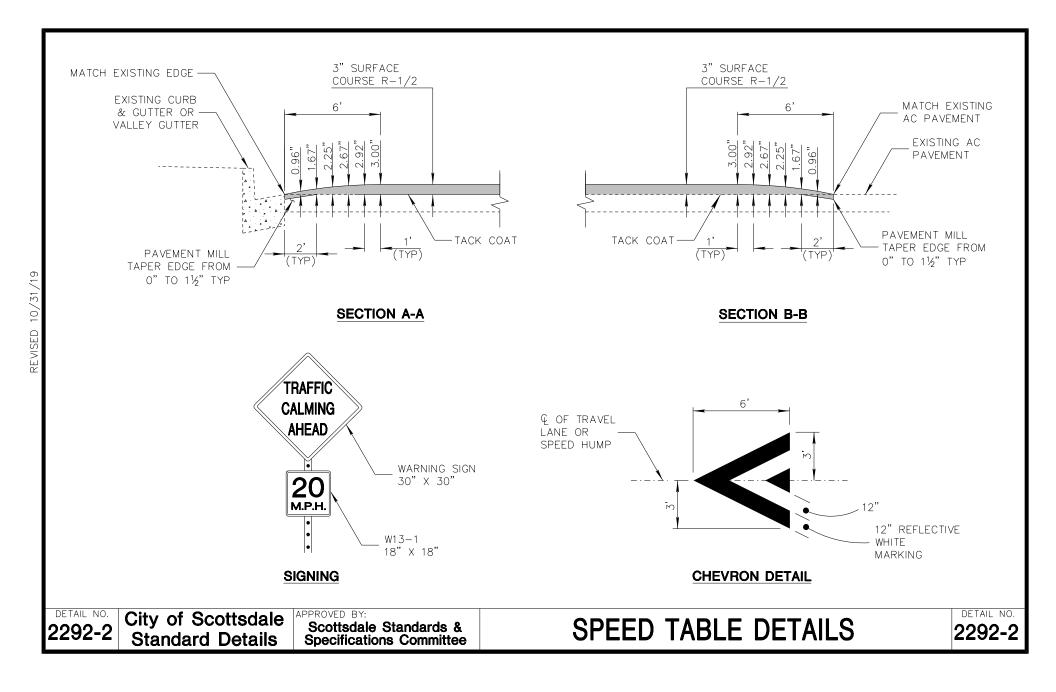
- 1. SPEED CUSHIONS SHALL NOT BE PLACED OVER MANHOLES, WATERGATES, JUNCTION CHAMBERS, OR OTHER IRREGULARITIES IN THE ROADWAY.
- 2. SPEED CUSHIONS SHALL BE CONSTRUCTED WITH AN EVAC R- $\frac{1}{2}$ ASPHALT MIX.
- 3. SEE COS STANDARD DETAIL 2292-2 FOR SOLID WHITE CHEVRON DIMENSIONS.
- 4. SPEED CUSHIONS SHALL BE CONSTRUCTED BETWEEN 3 INCHES AND 3.25 INCHES IN HEIGHT.

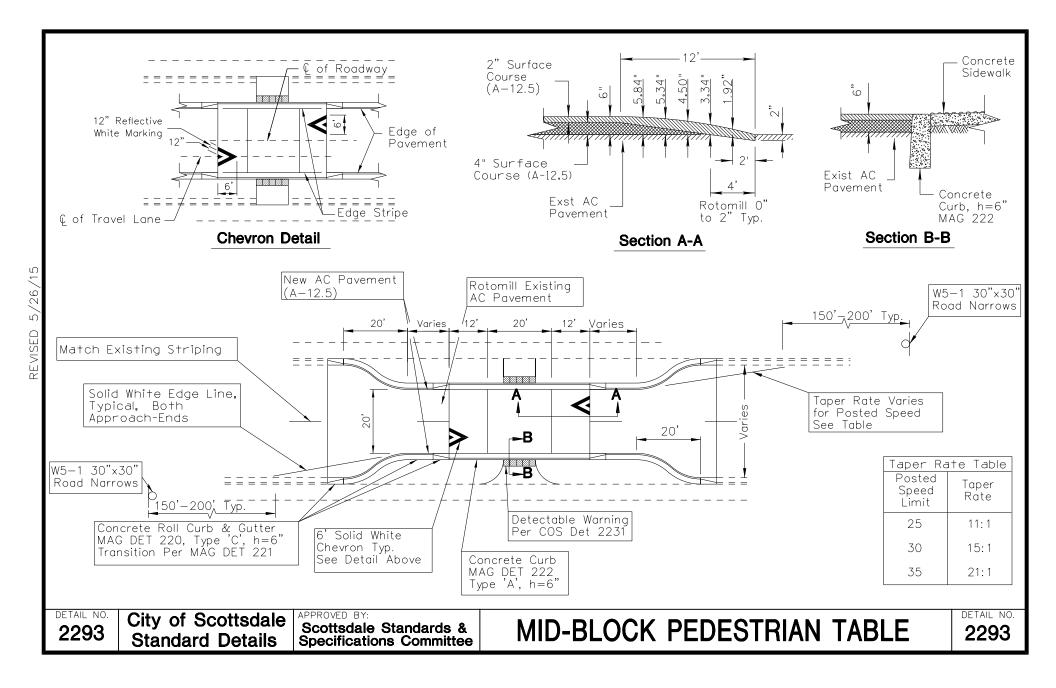
- NUMBER OF SPEED CUSHIONS MAY VARY DEPENDING ON ROADWAY WIDTH. CONTACT CITY OF SCOTTSDALE TRAFFIC ENGINEERING STAFF FOR DETAILS.
- 6. THE DISTANCE FROM THE EDGE OF A SPEED CUSHION AND ANOTHER SPEED CUSHION OR EDGE OF CURB MAY VARY BETWEEN 2 AND 4.5 FEET DEPENDING ON ROADWAY WIDTH. CONTACT CITY OF SCOTTSDALE TRAFFIC ENGINEERING STAFF FOR DETAILS.

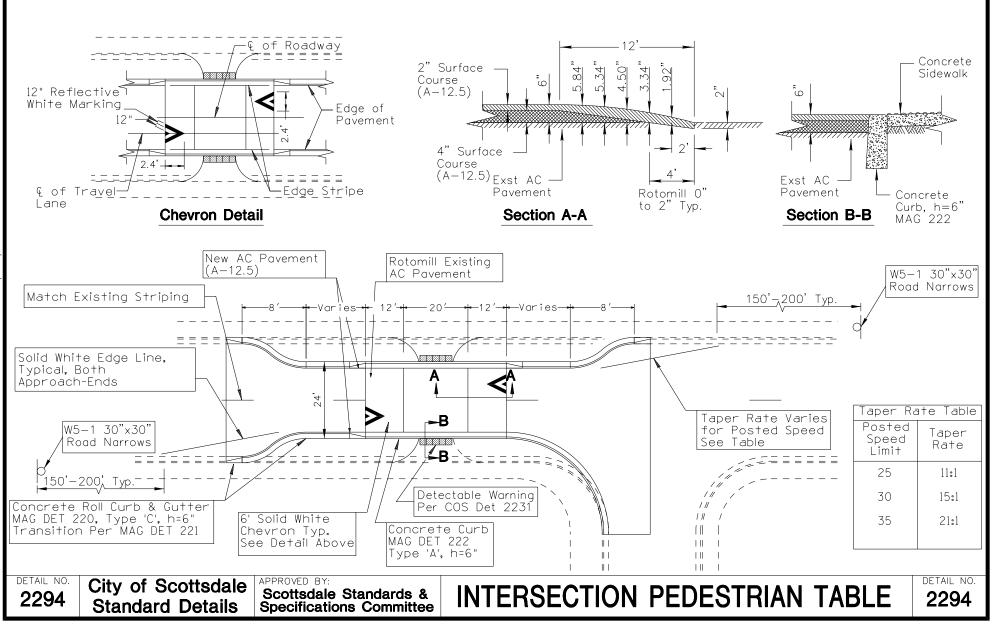




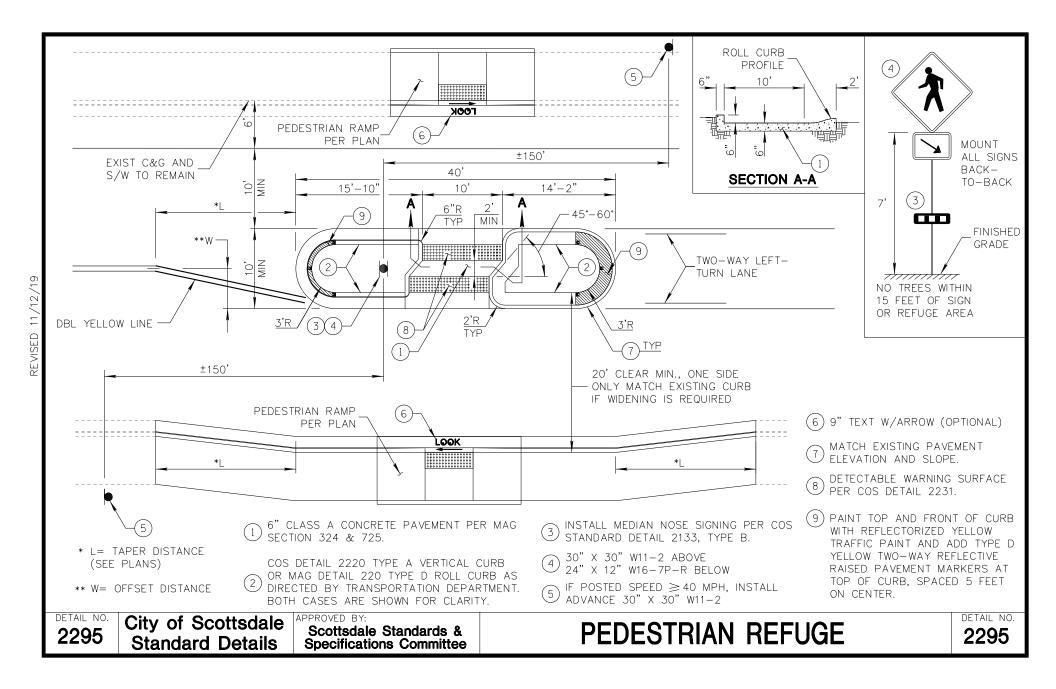


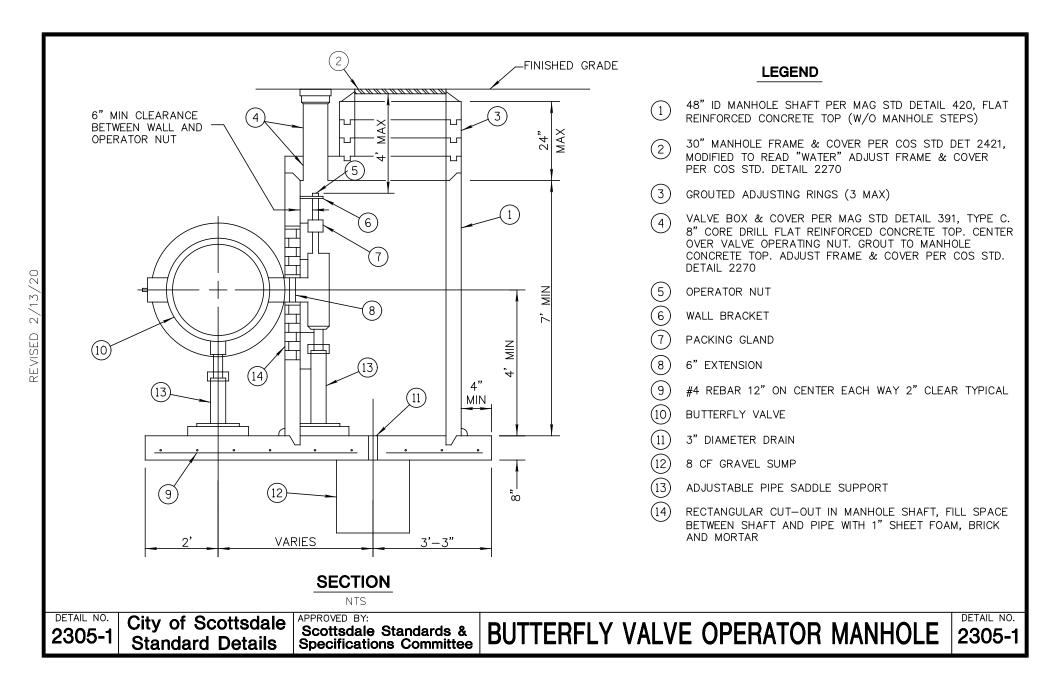


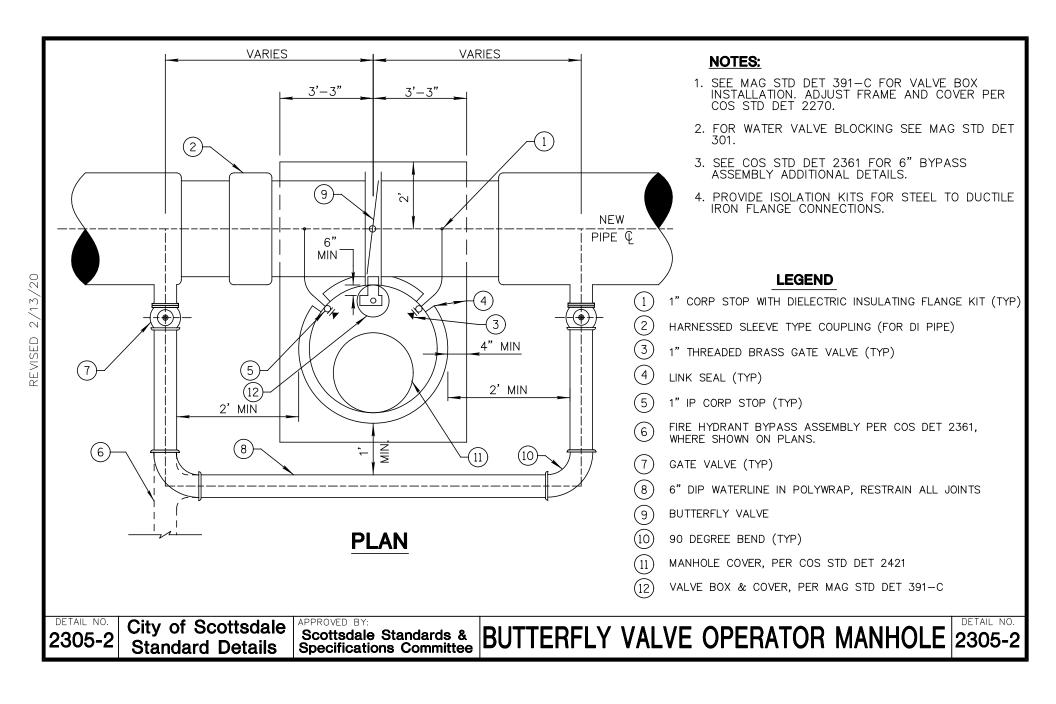


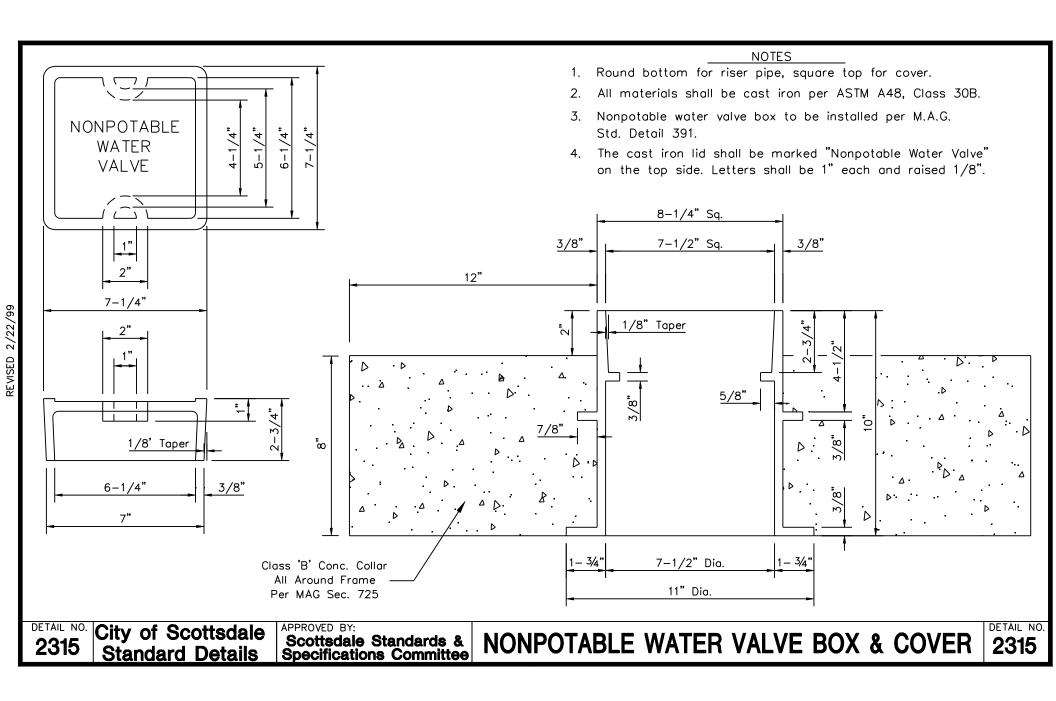


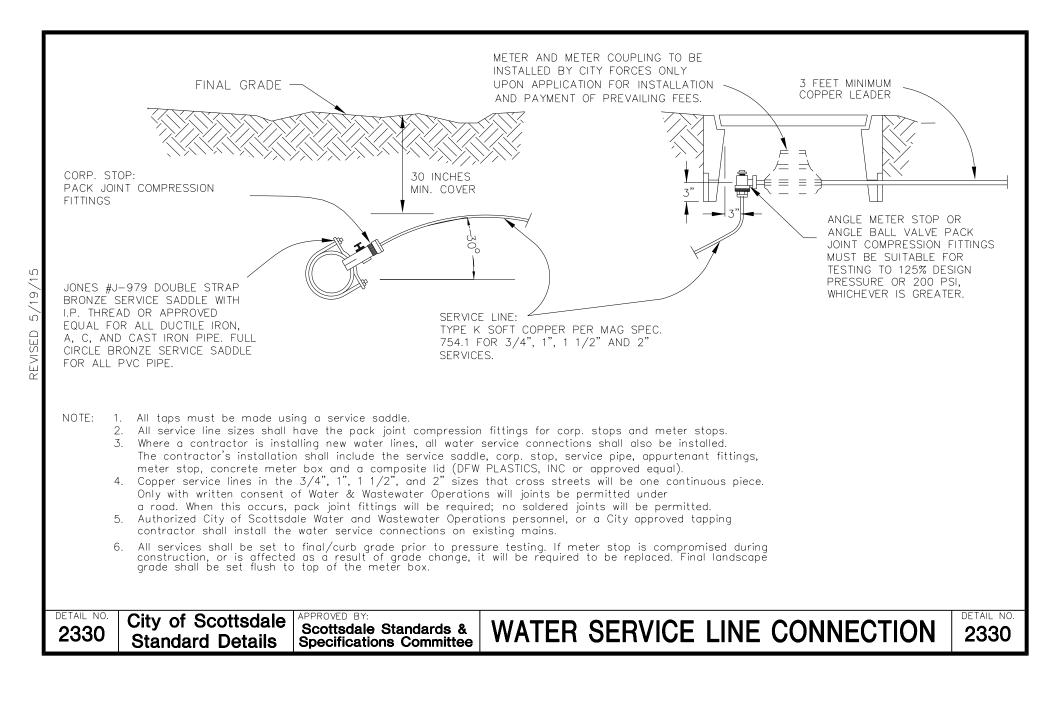
REVISED 5/26/15

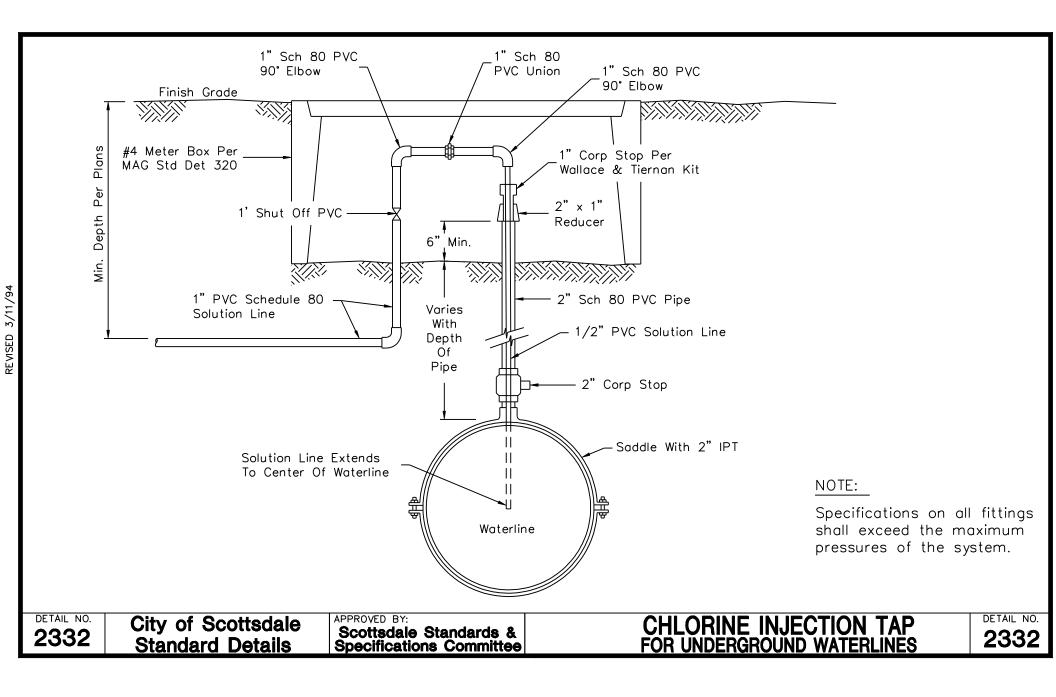


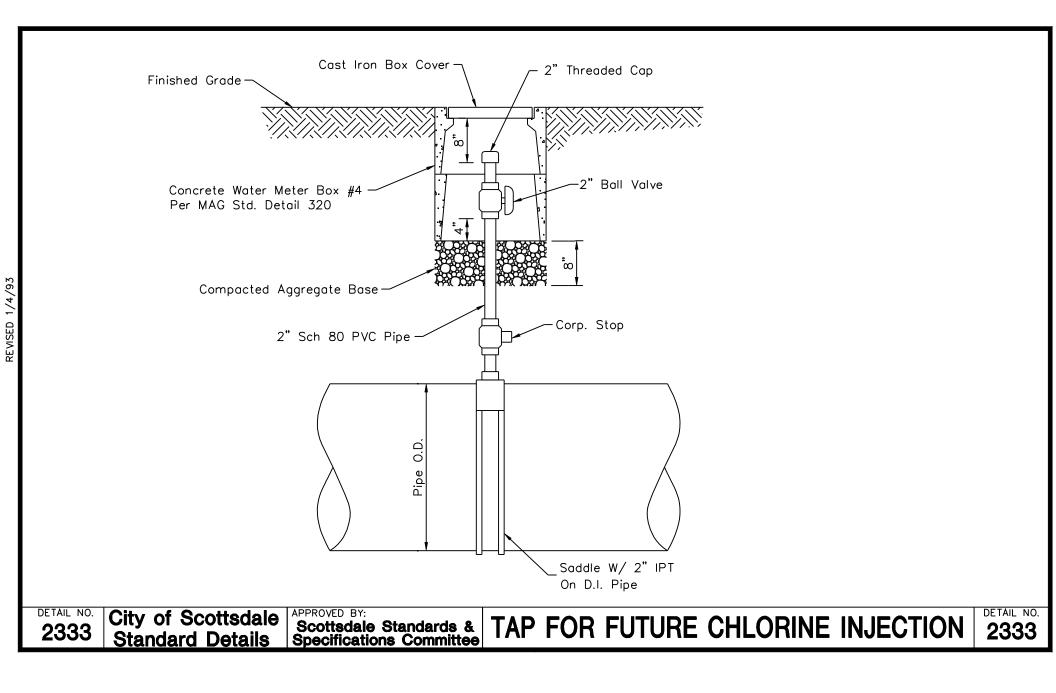


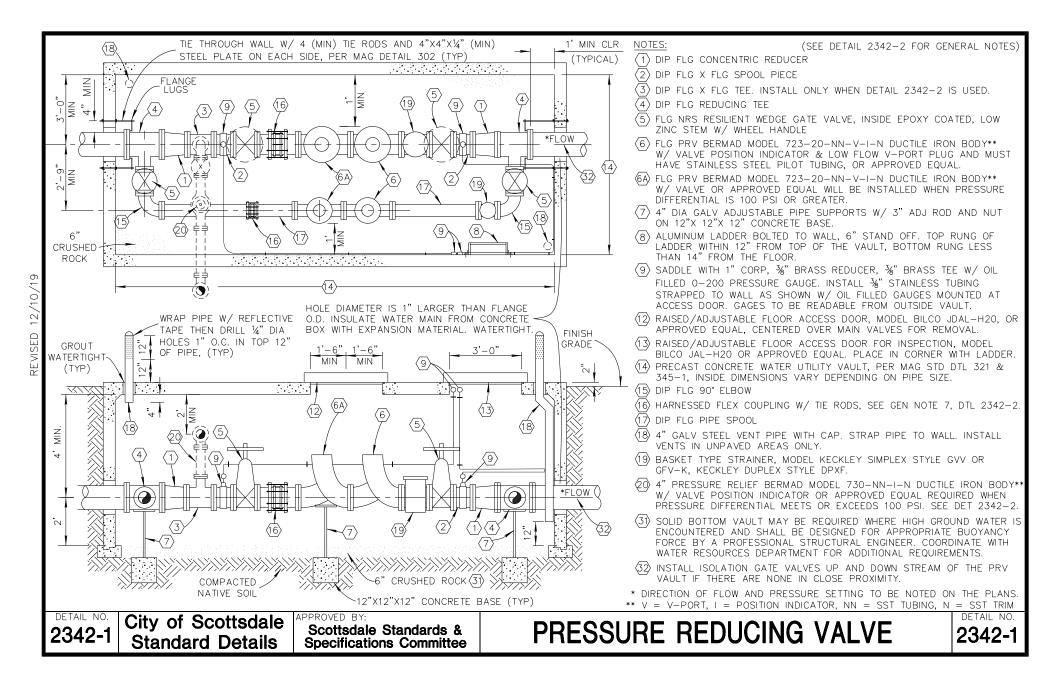


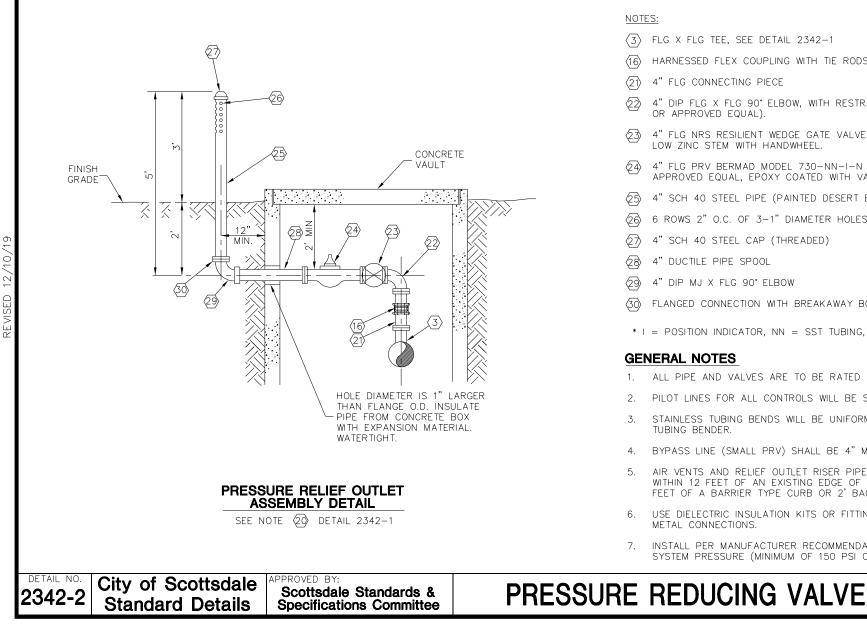












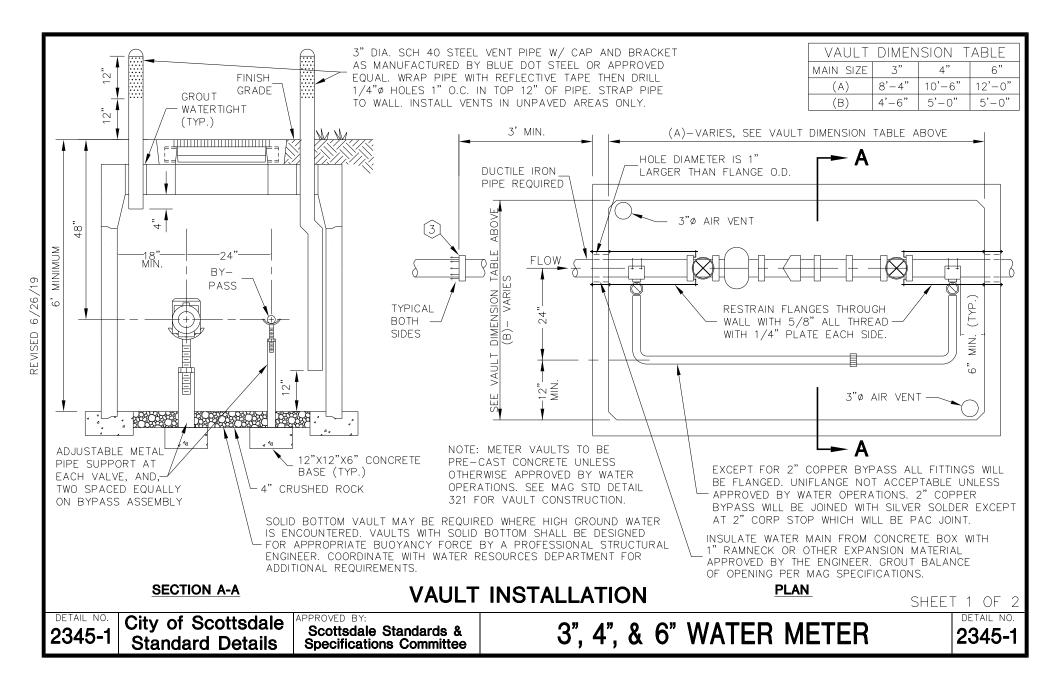
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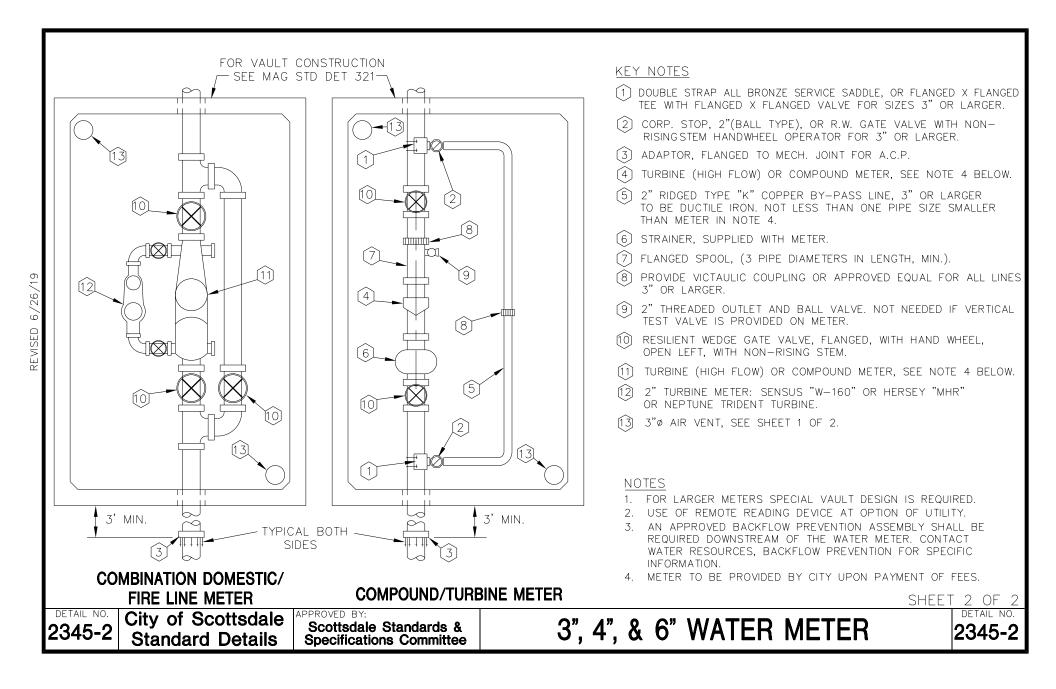
- (3) FLG X FLG TEE, SEE DETAIL 2342-1
- $\langle 16 \rangle$ HARNESSED FLEX COUPLING WITH TIE RODS, SEE GENERAL NOTE 7.
- $\langle 21 \rangle$ 4" FLG CONNECTING PIECE
- 4" DIP FLG X FLG 90' ELBOW, WITH RESTRAINED JOINTS (MEGALUG $\langle 2 \rangle$ OR APPROVED EQUAL).
- 4" FLG NRS RESILIENT WEDGE GATE VALVE, INSIDE EPOXY COATED. $\langle 23 \rangle$ LOW ZINC STEM WITH HANDWHEEL.
- $\langle 24 \rangle$ 4" FLG PRV BERMAD MODEL 730-NN-I-N DUCTILE IRON BODY* OR APPROVED EQUAL, EPOXY COATED WITH VALVE POSITION INDICATOR.
- (25) 4" SCH 40 STEEL PIPE (PAINTED DESERT BEIGE)
- 6 ROWS 2" O.C. OF 3-1" DIAMETER HOLES, 180° SPRAY PATTERN (26)
- 4" SCH 40 STEEL CAP (THREADED)
- 4" DUCTILE PIPE SPOOL
- 4" DIP MJ X FLG 90° ELBOW
- FLANGED CONNECTION WITH BREAKAWAY BOLTS
- * I = POSITION INDICATOR, NN = SST TUBING, N = SST TRIM

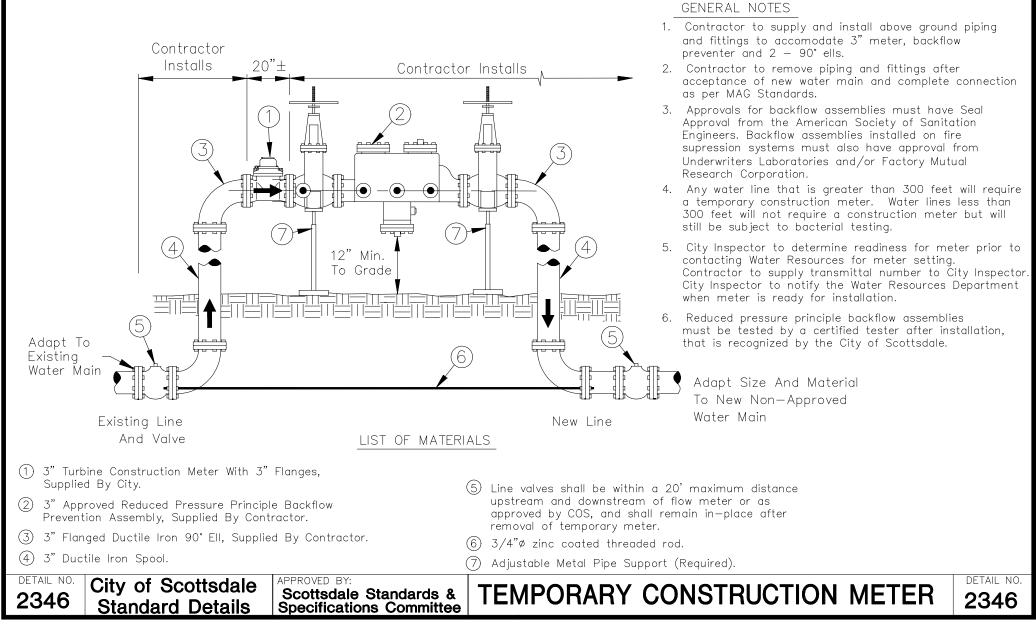
GENERAL NOTES

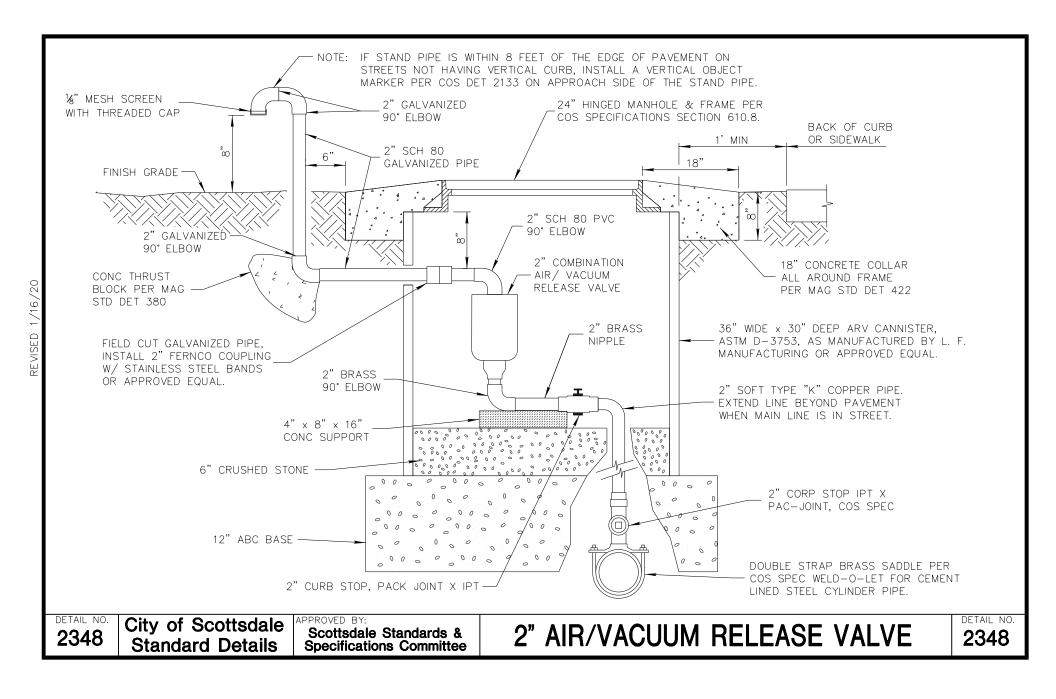
- ALL PIPE AND VALVES ARE TO BE RATED PER SYSTEM PRESSURE. 1.
- PILOT LINES FOR ALL CONTROLS WILL BE STAINLESS STEEL TUBING. 2.
- 3. STAINLESS TUBING BENDS WILL BE UNIFORM AND MADE WITH A TUBING BENDER.
- 4 BYPASS LINE (SMALL PRV) SHALL BE 4" MIN. DIP
- 5. AIR VENTS AND RELIEF OUTLET RISER PIPE SHALL NOT BE LOCATED WITHIN 12 FEET OF AN EXISTING EDGE OF PAVEMENT OR WITHIN 2 FEET OF A BARRIER TYPE CURB OR 2' BACK OF SIDEWALK.
- USE DIELECTRIC INSULATION KITS OR FITTINGS AT ALL DISSIMILAR 6. METAL CONNECTIONS.
- 7. INSTALL PER MANUFACTURER RECOMMENDATIONS FOR MAXIMUM SYSTEM PRESSURE (MINIMUM OF 150 PSI OR HIGHER)

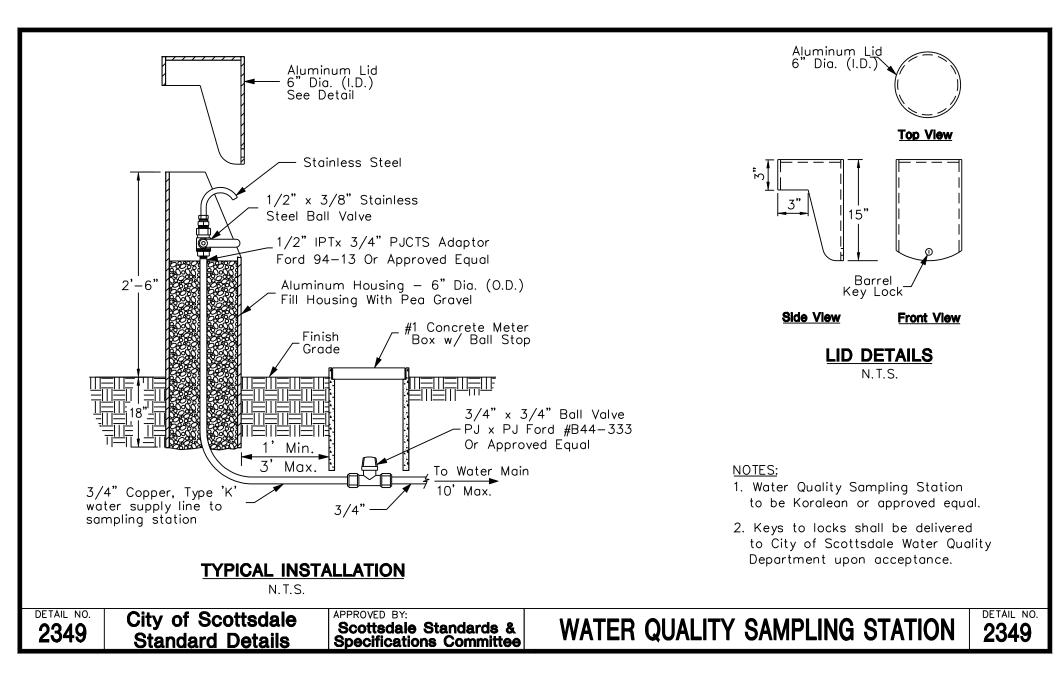
DETAIL NO. 2342-

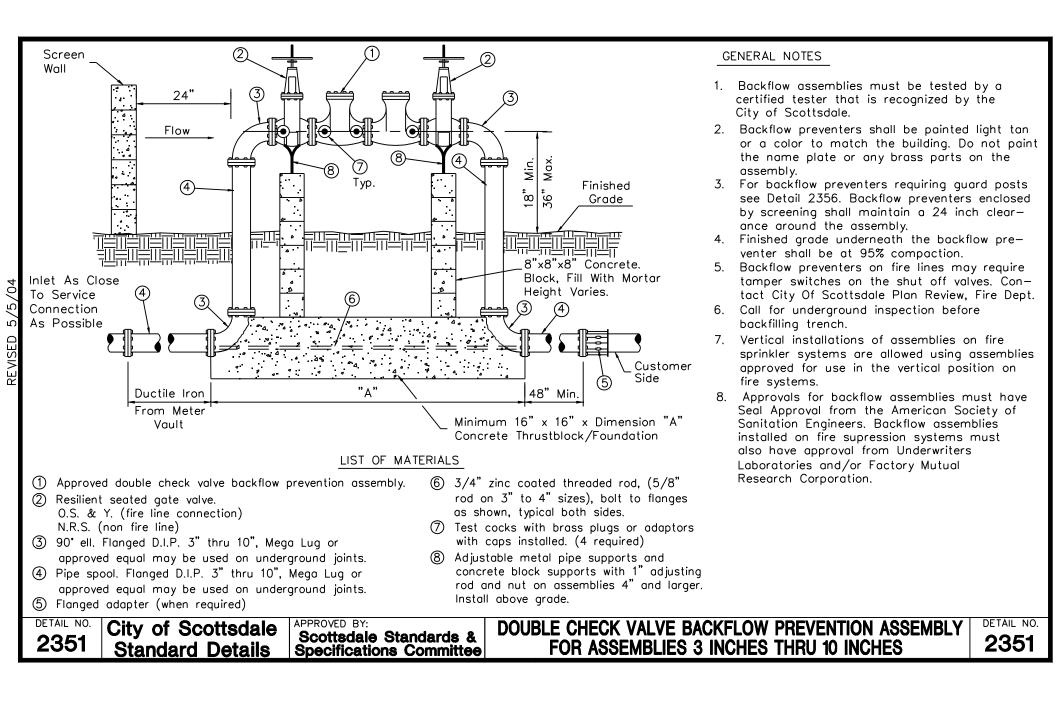


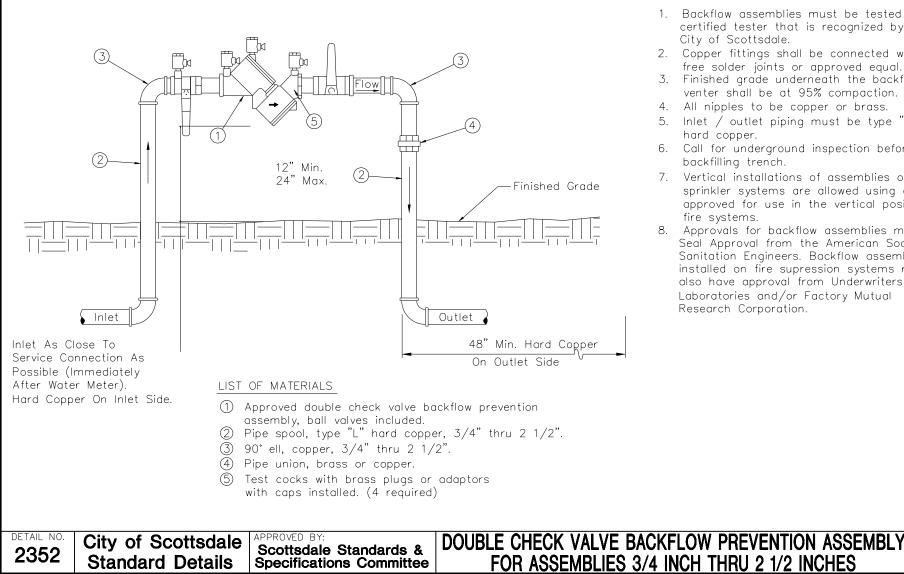










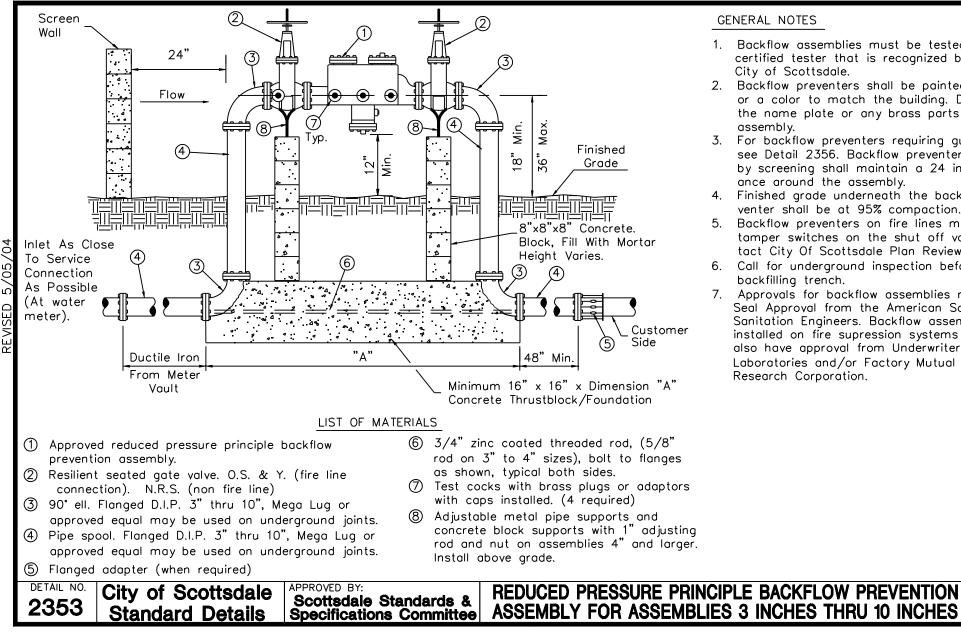


GENERAL NOTES

- 1. Backflow assemblies must be tested by a certified tester that is recognized by the City of Scottsdale.
- 2. Copper fittings shall be connected with lead free solder joints or approved equal.
- 3. Finished grade underneath the backflow preventer shall be at 95% compaction.
- All nipples to be copper or brass.
- 5. Inlet / outlet piping must be type "K" hard copper.
- Call for underground inspection before backfilling trench.
- 7. Vertical installations of assemblies on fire sprinkler systems are allowed using assemblies approved for use in the vertical position on fire systems.
- 8. Approvals for backflow assemblies must have Seal Approval from the American Society of Sanitation Engineers. Backflow assemblies installed on fire supression systems must also have approval from Underwriters Laboratories and/or Factory Mutual Research Corporation.

DETAIL NO.

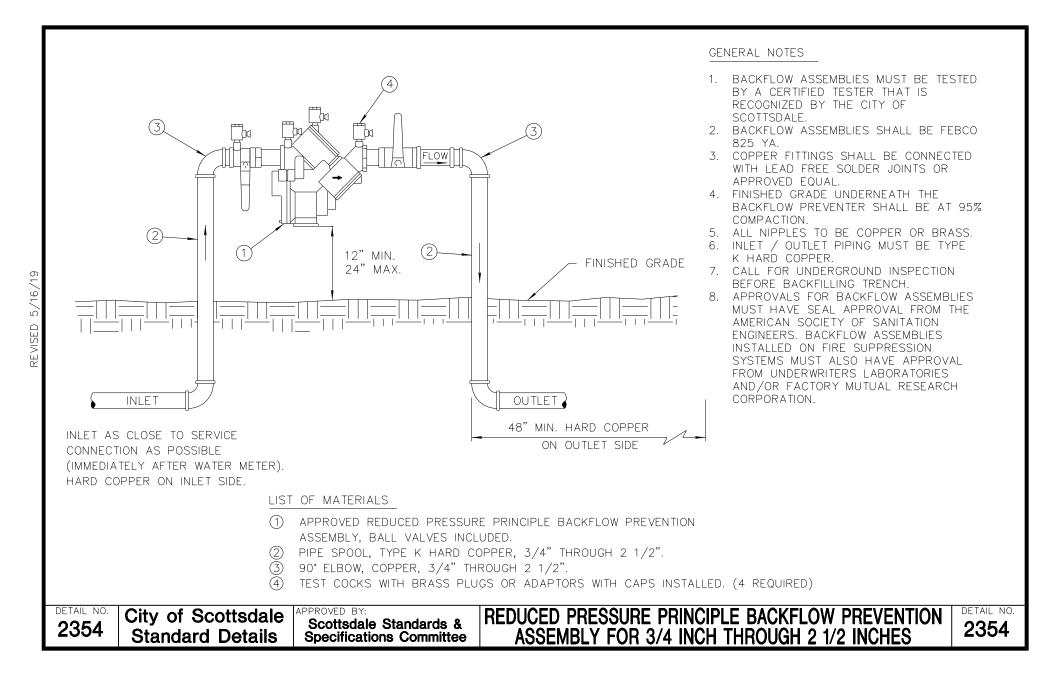
2352

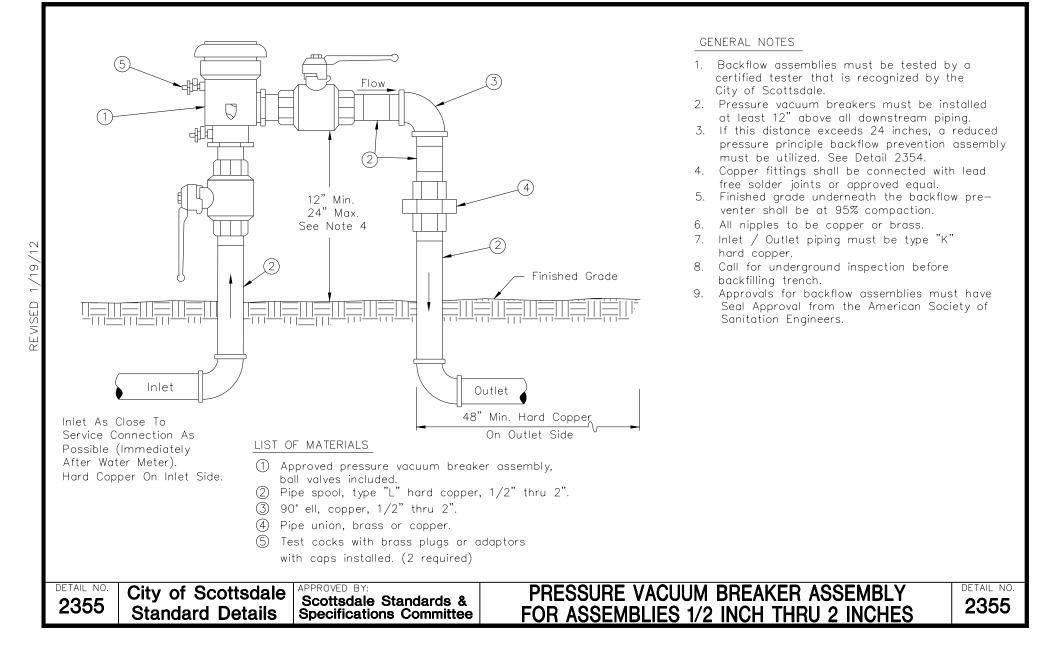


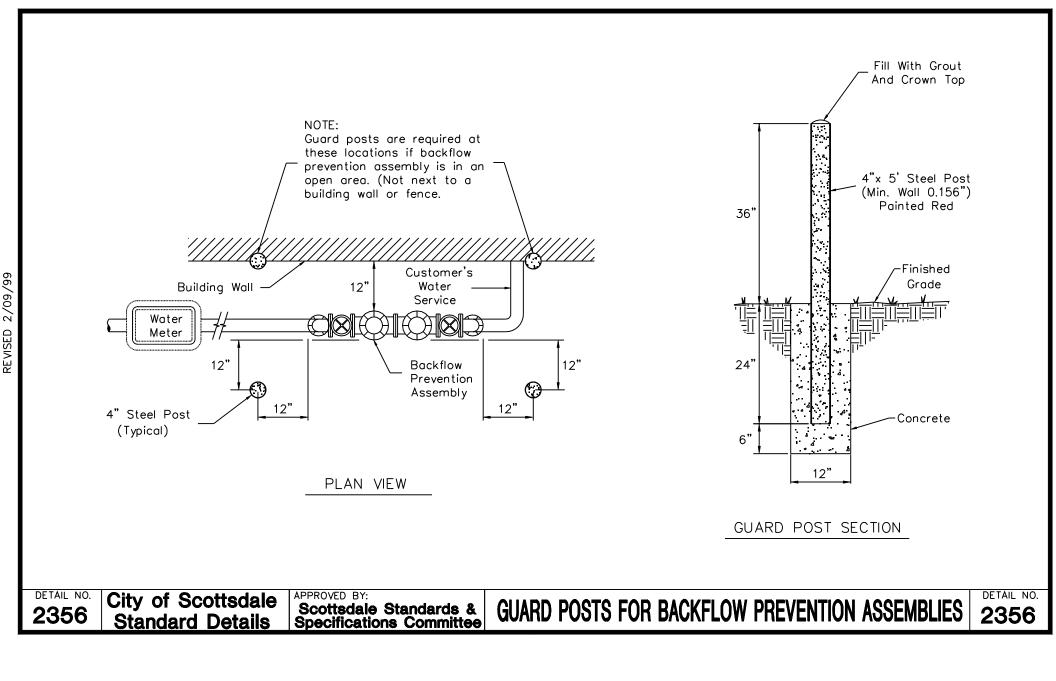
- 1. Backflow assemblies must be tested by a certified tester that is recognized by the City of Scottsdale.
- 2. Backflow preventers shall be painted light tan or a color to match the building. Do not paint the name plate or any brass parts on the
- 3. For backflow preventers requiring guard posts see Detail 2356. Backflow preventers enclosed by screening shall maintain a 24 inch clearance around the assembly.
- 4. Finished grade underneath the backflow preventer shall be at 95% compaction.
- Backflow preventers on fire lines may require tamper switches on the shut off valves. Contact City Of Scottsdale Plan Review, Fire Dept.
- 6. Call for underground inspection before backfilling trench.
- 7. Approvals for backflow assemblies must have Seal Approval from the American Society of Sanitation Engineers. Backflow assemblies installed on fire supression systems must also have approval from Underwriters Laboratories and/or Factory Mutual Research Corporation.

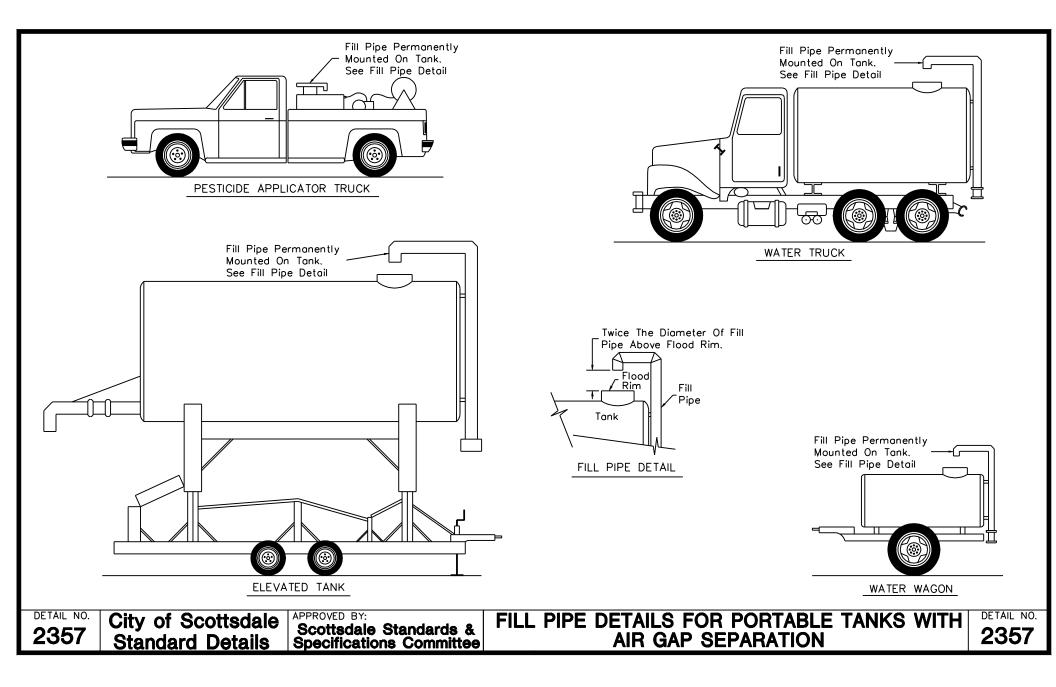
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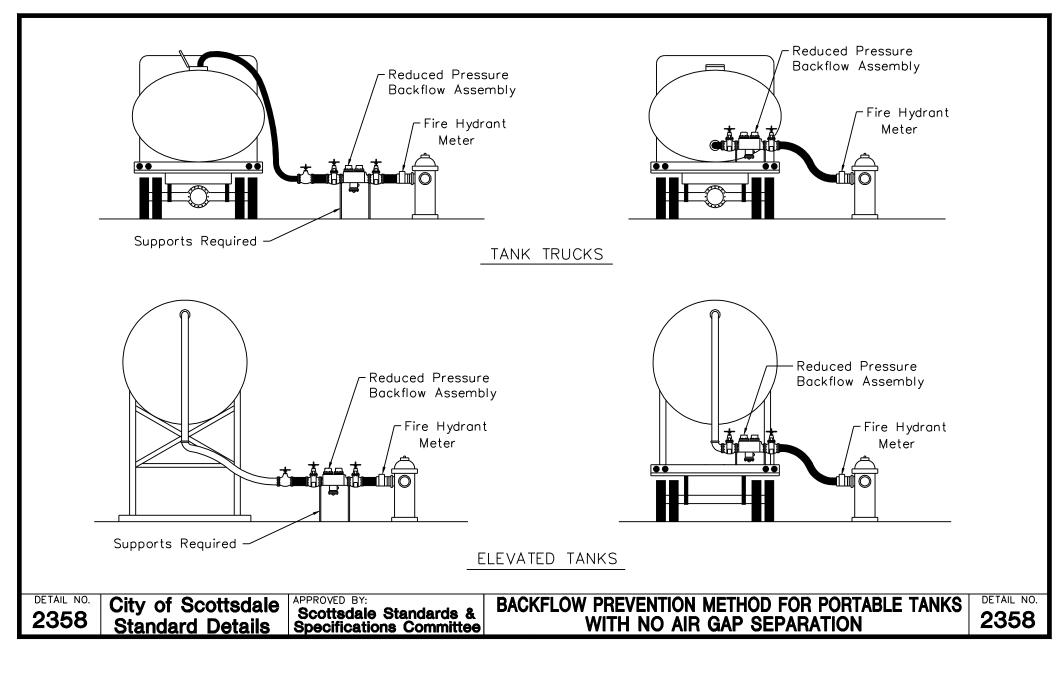
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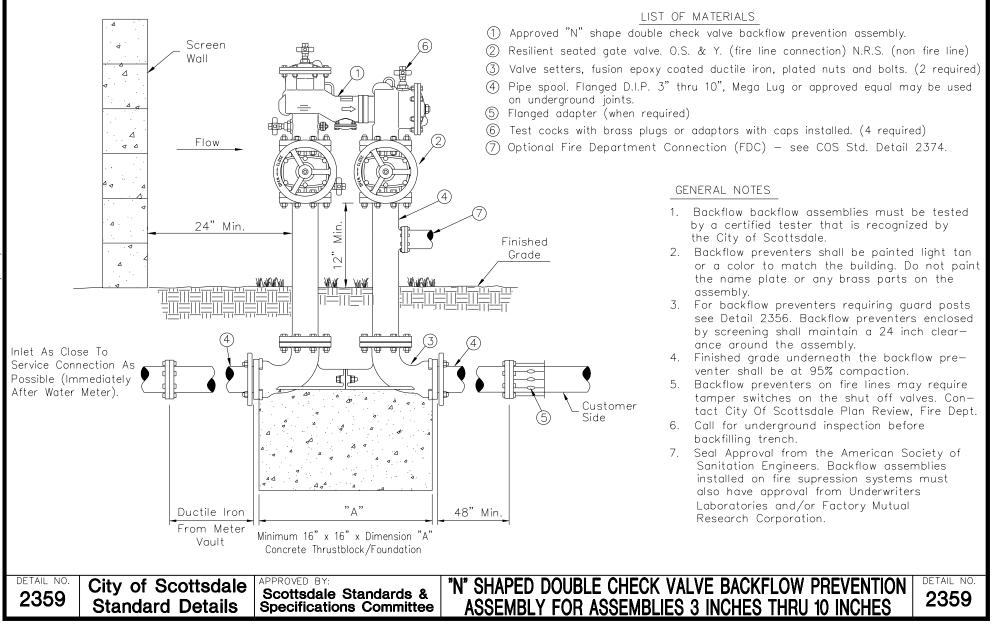




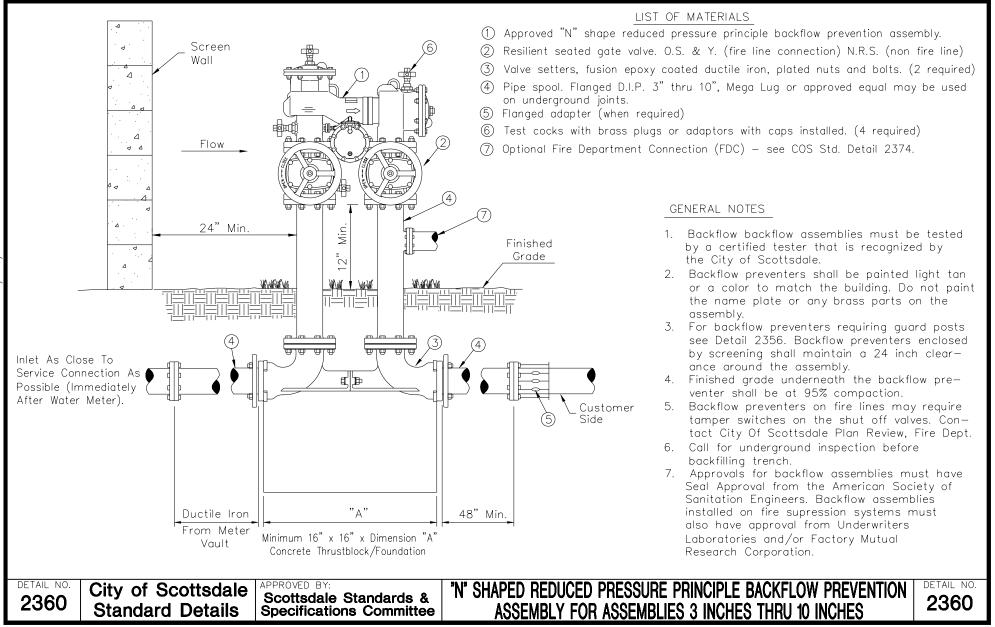


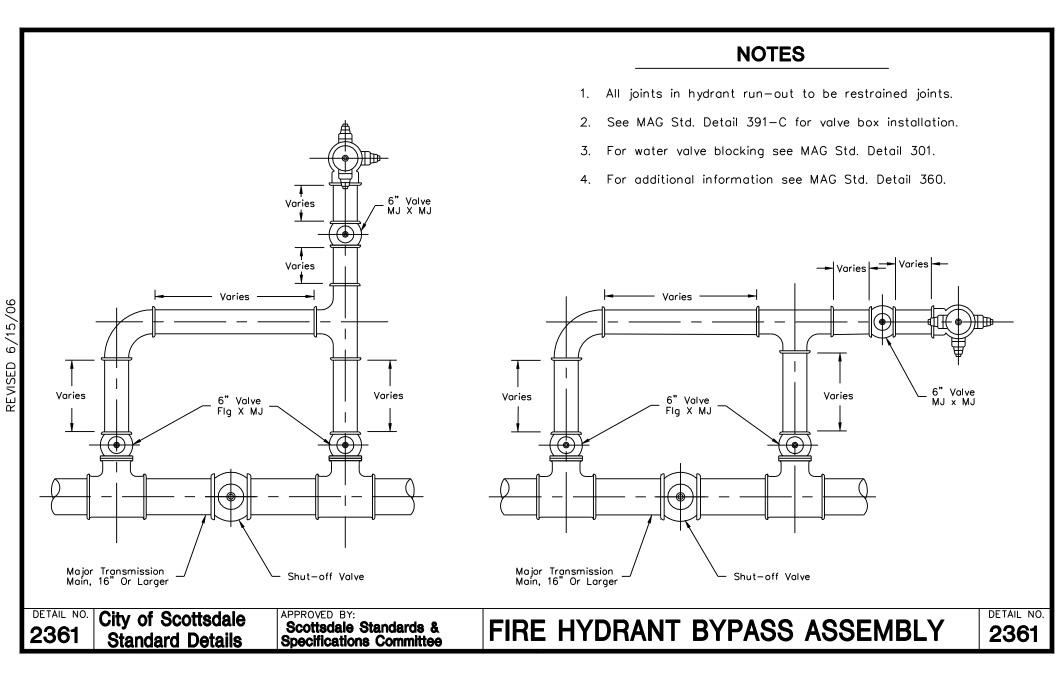


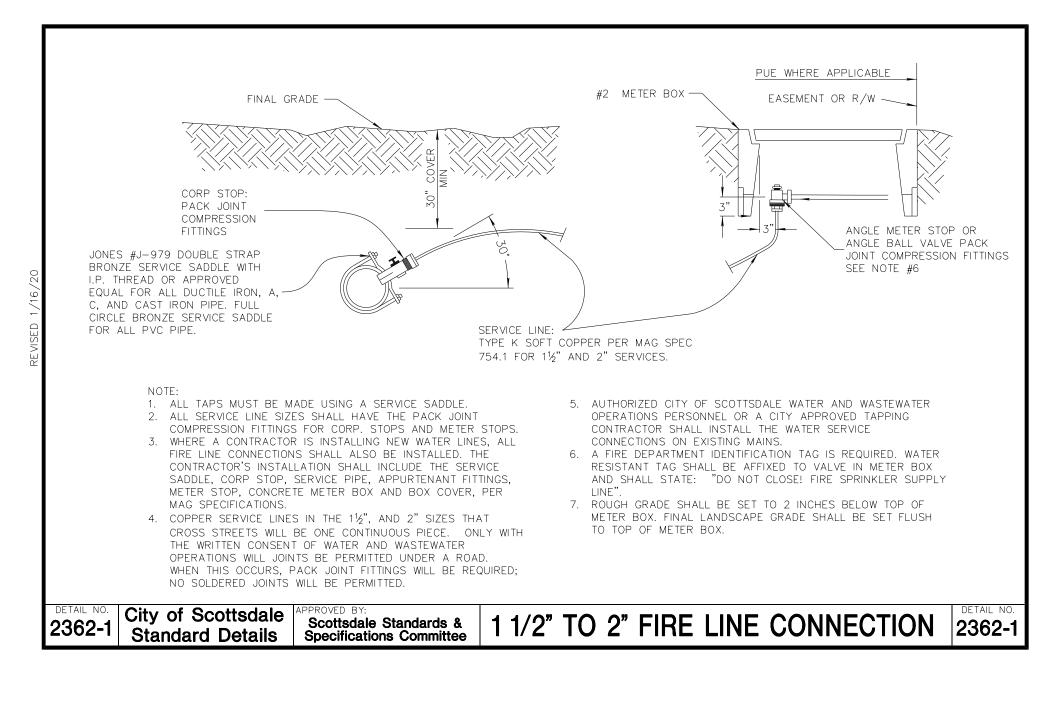


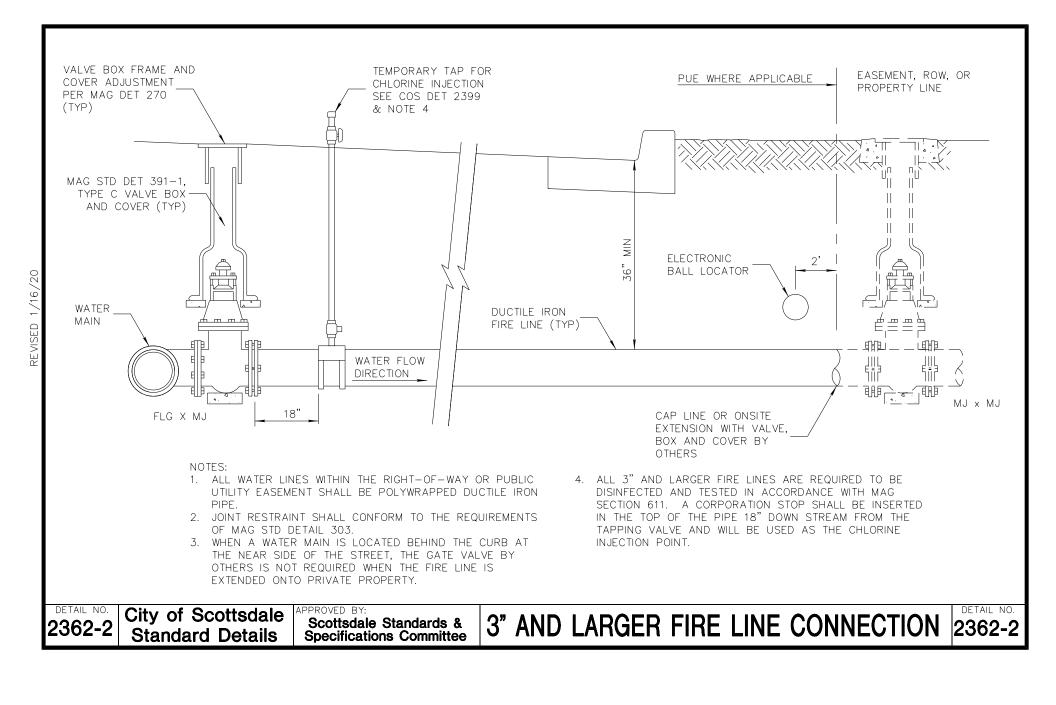


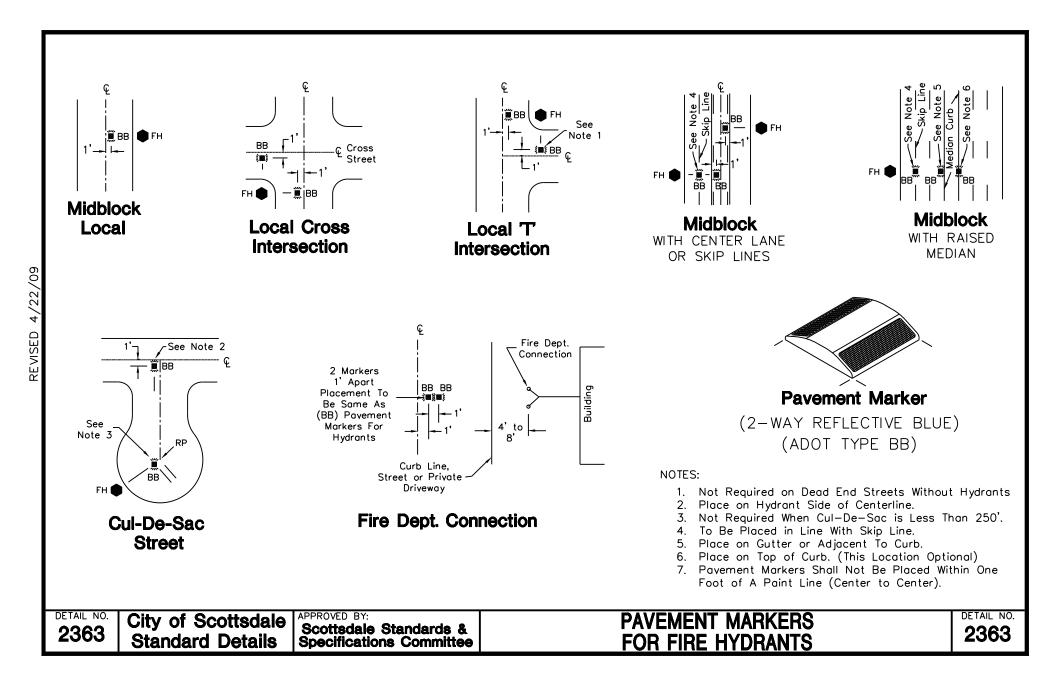
REVISED 1/20/12

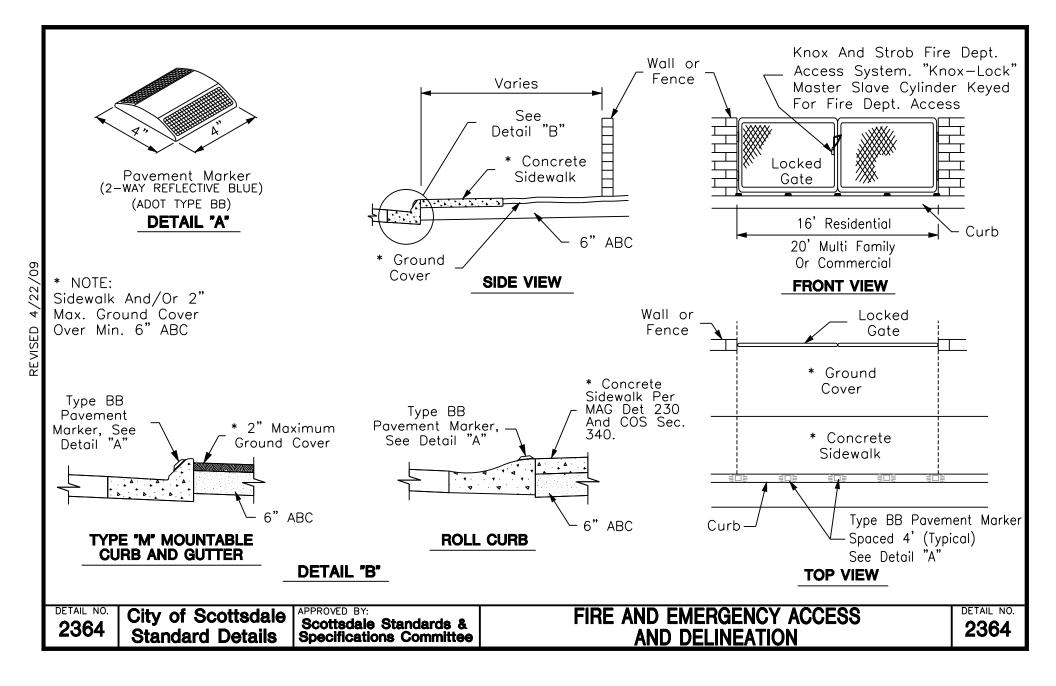












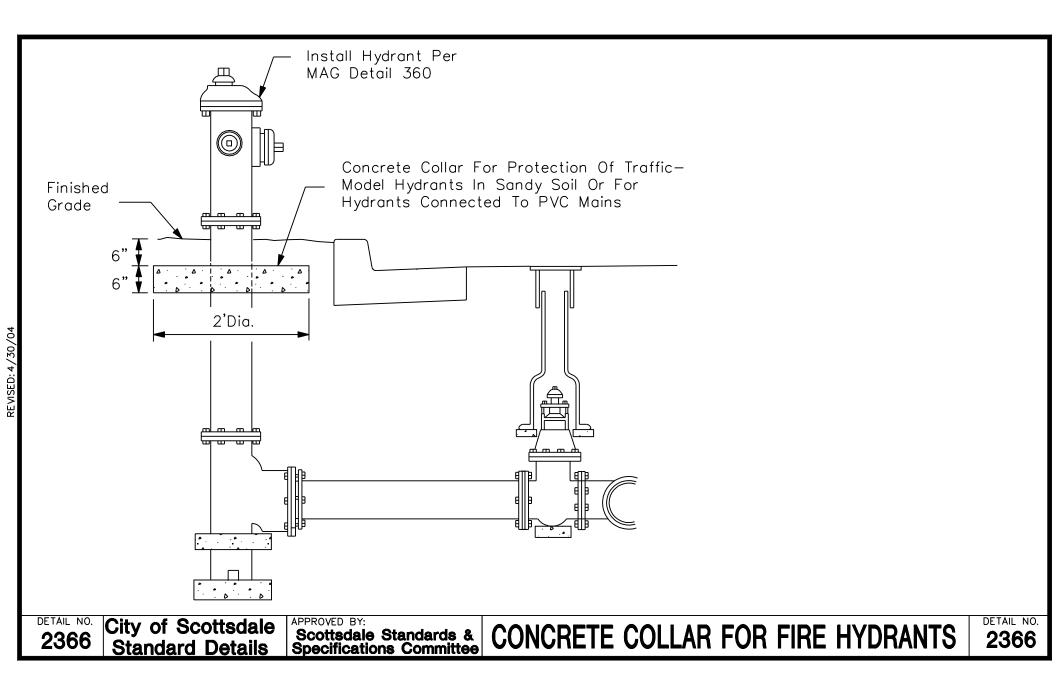
	<u> </u>	12"
		NO PARKING
REVISED 4/15/09		FIRE 2.5" 2.5" 1" 2.5" 2.5" 2.5" 1" CITY ORDINANCE 1" 2.5" 2.5" 2.5"
	DETAIL NO. 2365	City of ScottsdaleAPPROVED BY: Scottsdale Standards & Specifications Committee

NOTES:

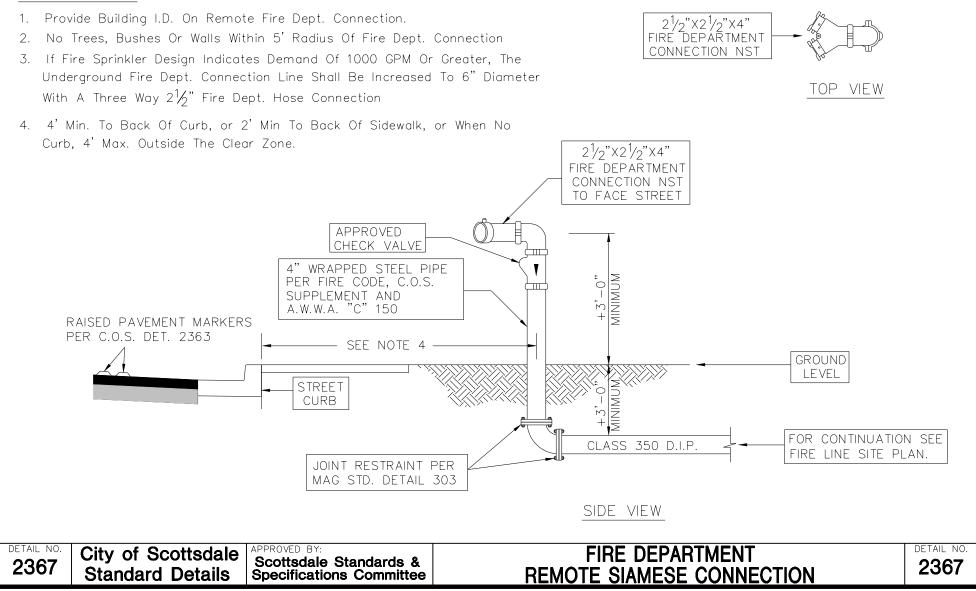
- 1. At the beginning and end of the fire lane, the sign shall have a single headed arrow pointing in the direction the regulation is in effect. The intermediate signs shall have double headed arrows pointing in both directions.
- 2. The maximum spacing of the signs shall be 100', contingent upon Traffic Engineering's review and approval.
- 3. The signs shall be set at an angle of not less than 30° nor more than 45° with the curb or line of traffic flow
- 4. The clearance to the bottom of the sign shall be 7 feet. There shall be no other signs attached to the sign or the sign pole.
- 5. The sign substrate shall be a minimum of 12" x 18" treated aluminum with a thickness of 0.080".
- 6. The sign face shall have a white, ASTM Type IV reflective background with a red screen printed or translucent acrylic EC overlay film reflective legend. Use the standard sign face number R7-32 or equivalent incorporating additional information to complete the sign as shown.

FIRE LANE SIGN

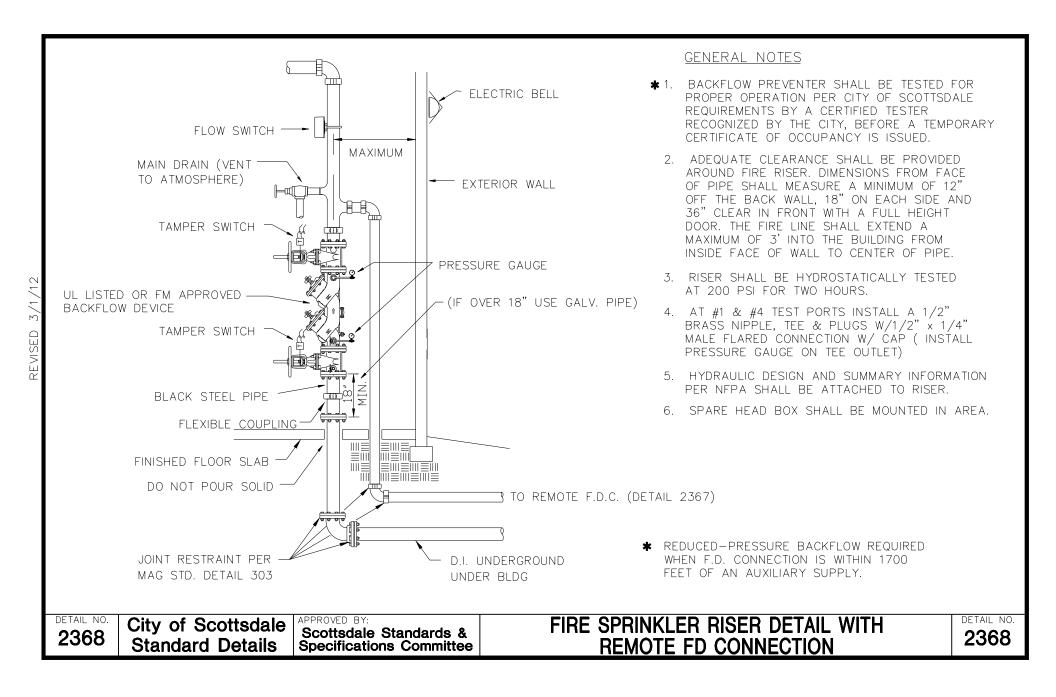


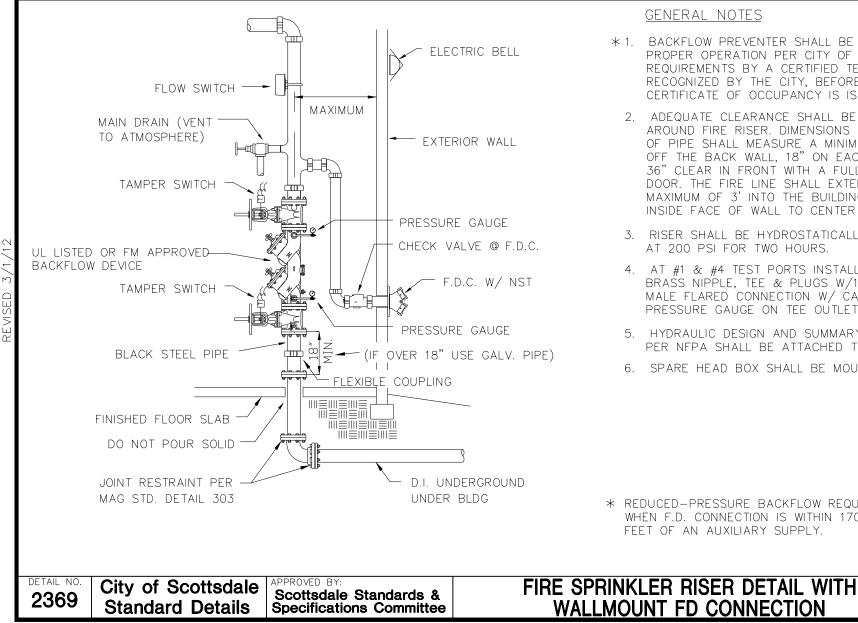


GENERAL NOTES



REVISED 12/21/11





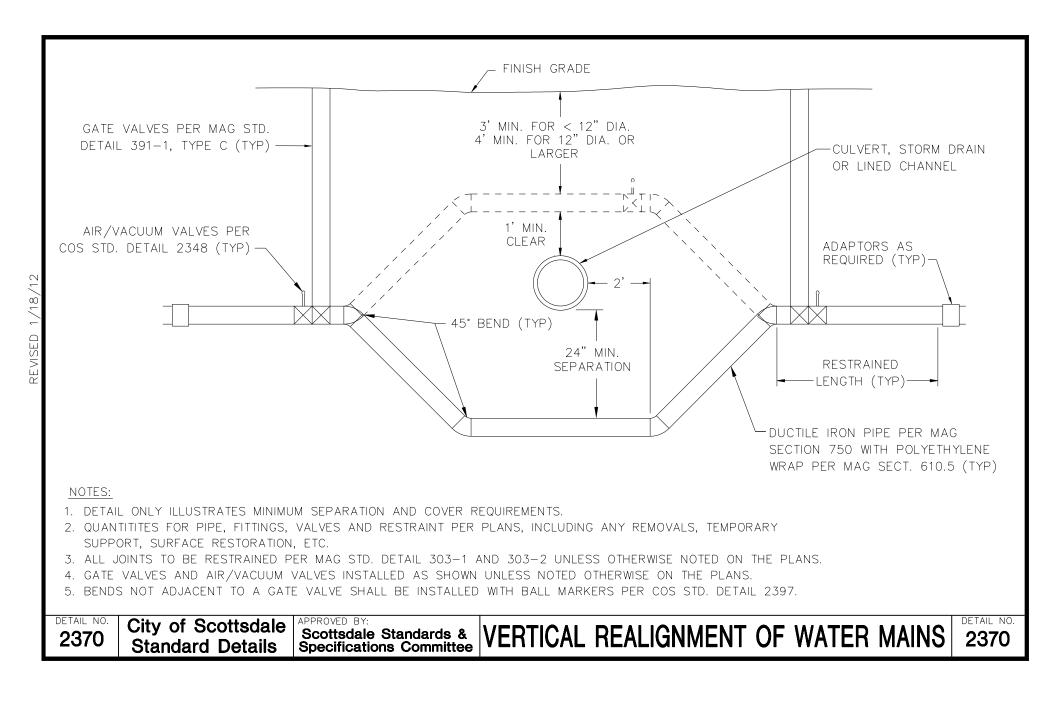
GENERAL NOTES

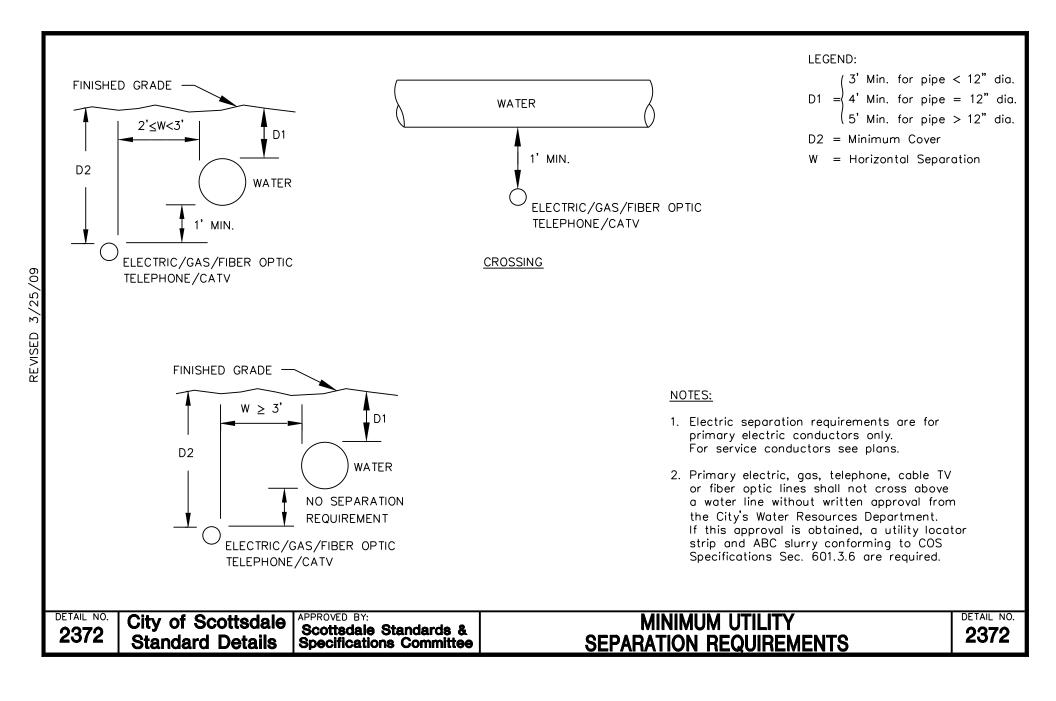
- * 1. BACKFLOW PREVENTER SHALL BE TESTED FOR PROPER OPERATION PER CITY OF SCOTTSDALE REQUIREMENTS BY A CERTIFIED TESTER RECOGNIZED BY THE CITY, BEFORE A TEMPORARY CERTIFICATE OF OCCUPANCY IS ISSUED
- 2. ADEQUATE CLEARANCE SHALL BE PROVIDED AROUND FIRE RISER. DIMENSIONS FROM FACE OF PIPE SHALL MEASURE A MINIMUM OF 12" OFF THE BACK WALL, 18" ON EACH SIDE AND 36" CLEAR IN FRONT WITH A FULL HEIGHT DOOR. THE FIRE LINE SHALL EXTEND A MAXIMUM OF 3' INTO THE BUILDING FROM INSIDE FACE OF WALL TO CENTER OF PIPE.
- 3. RISER SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS.
- 4. AT #1 & #4 TEST PORTS INSTALL A 1/2" BRASS NIPPLE, TEE & PLUGS W/1/2" x 1/4" MALE FLARED CONNECTION W/ CAP (INSTALL PRESSURE GAUGE ON TEE OUTLET)
- 5. HYDRAULIC DESIGN AND SUMMARY INFORMATION PER NFPA SHALL BE ATTACHED TO RISER.
- 6. SPARE HEAD BOX SHALL BE MOUNTED IN AREA.

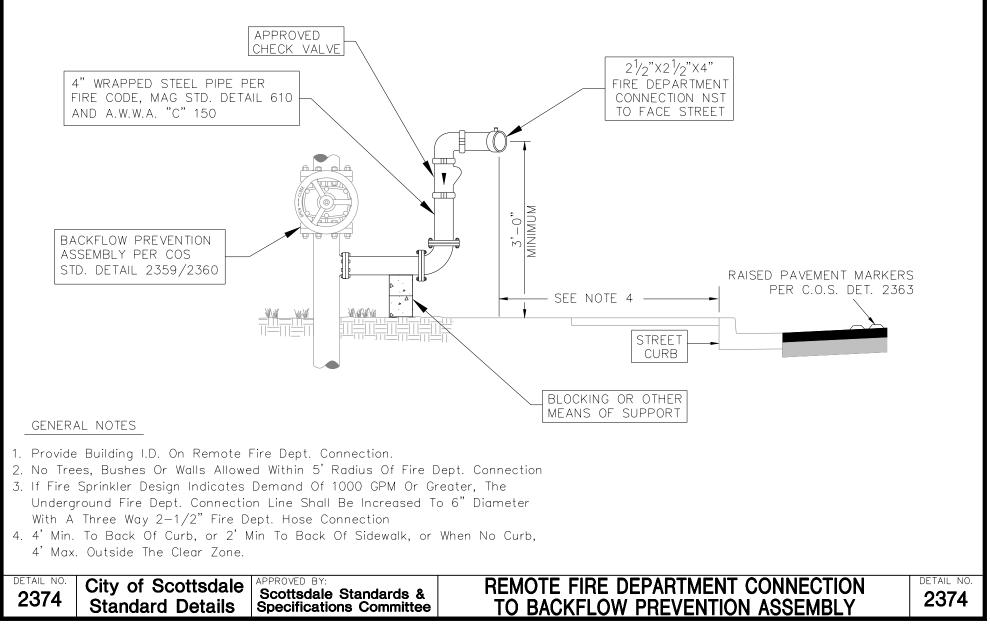
DETAIL NO.

2369

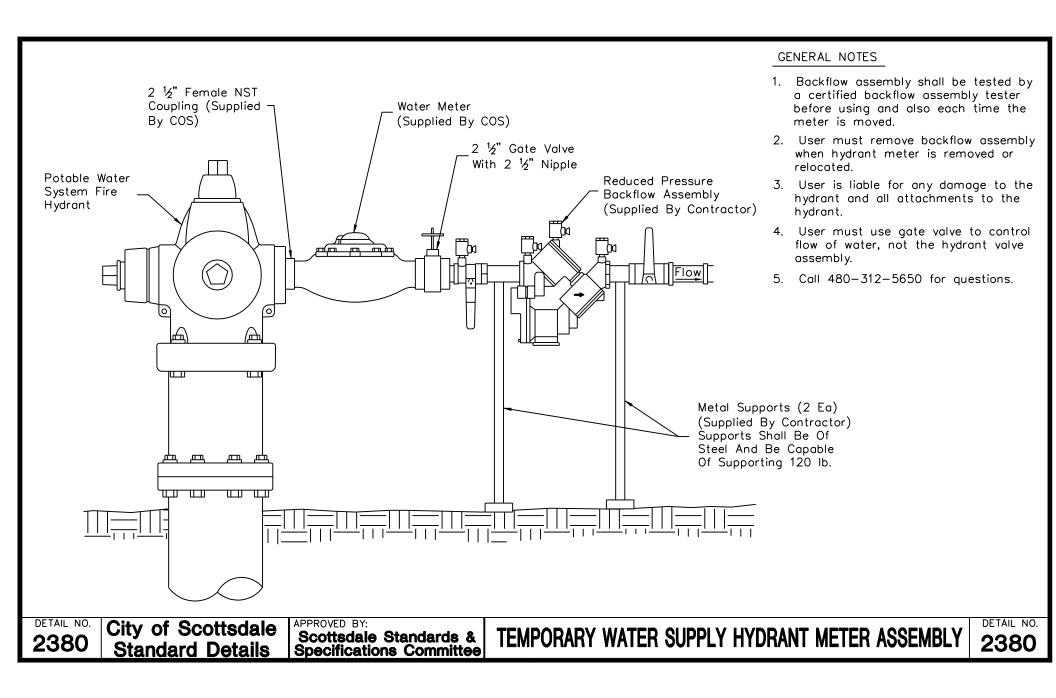
* REDUCED-PRESSURE BACKFLOW REQUIRED WHEN F.D. CONNECTION IS WITHIN 1700 FEET OF AN AUXILIARY SUPPLY.

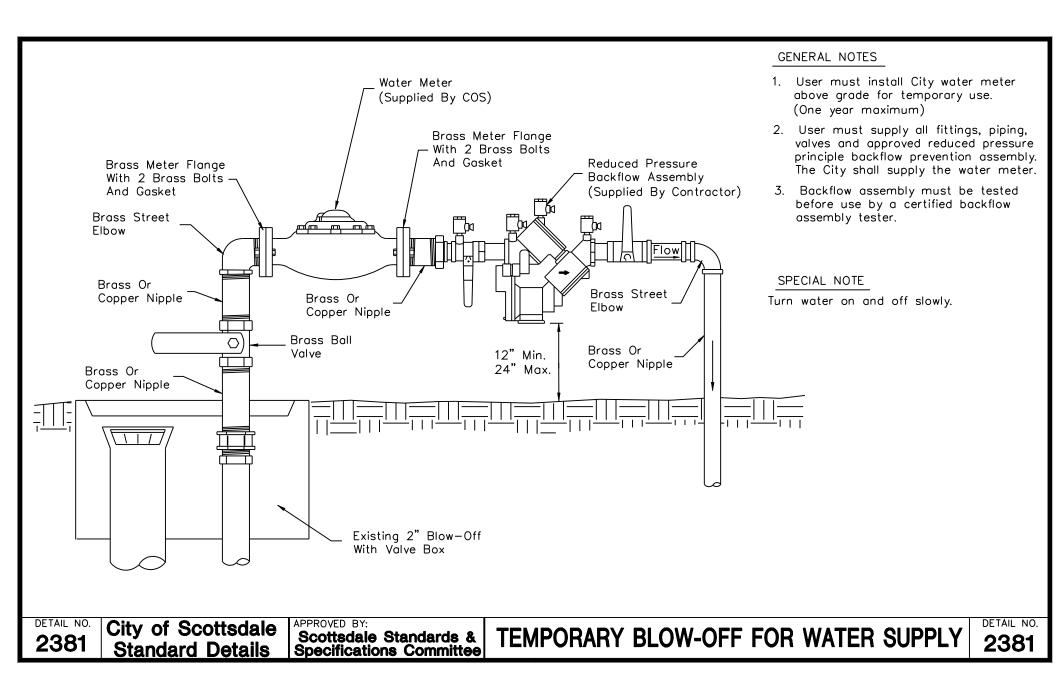


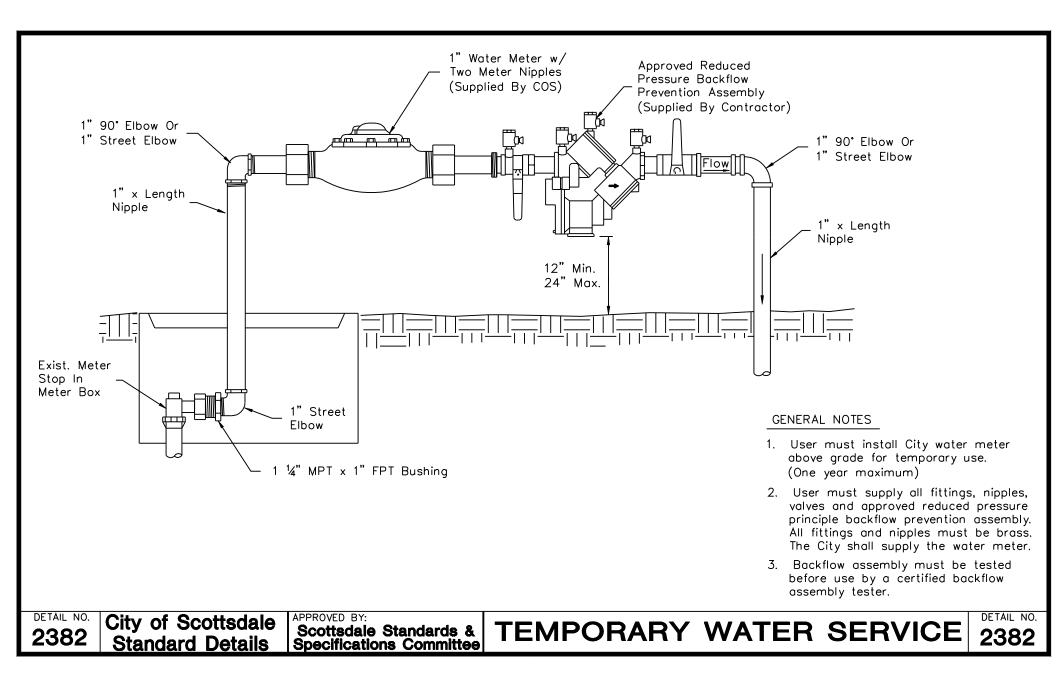


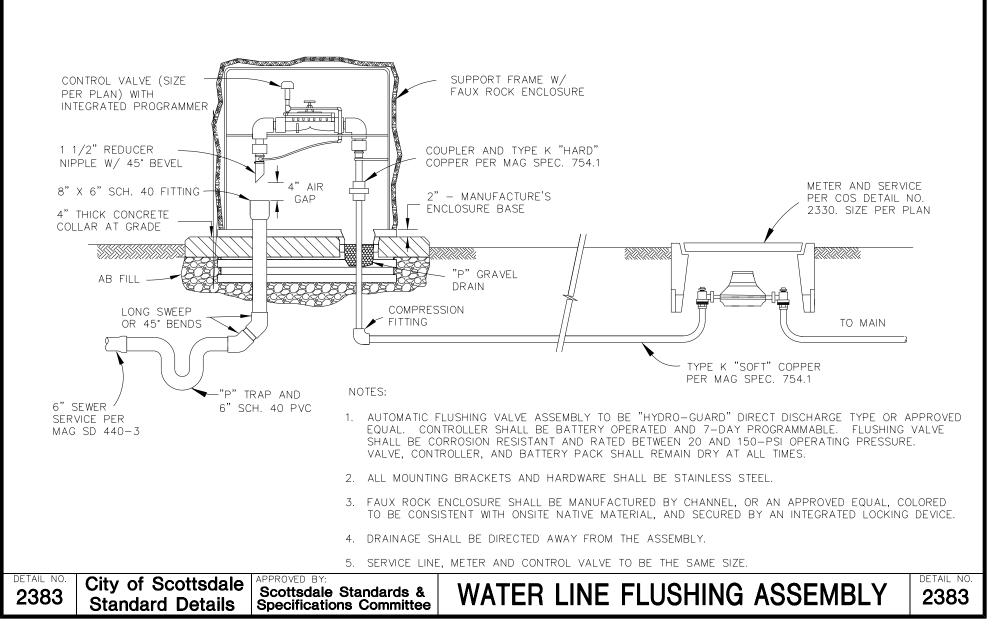


NEW 1/19/12

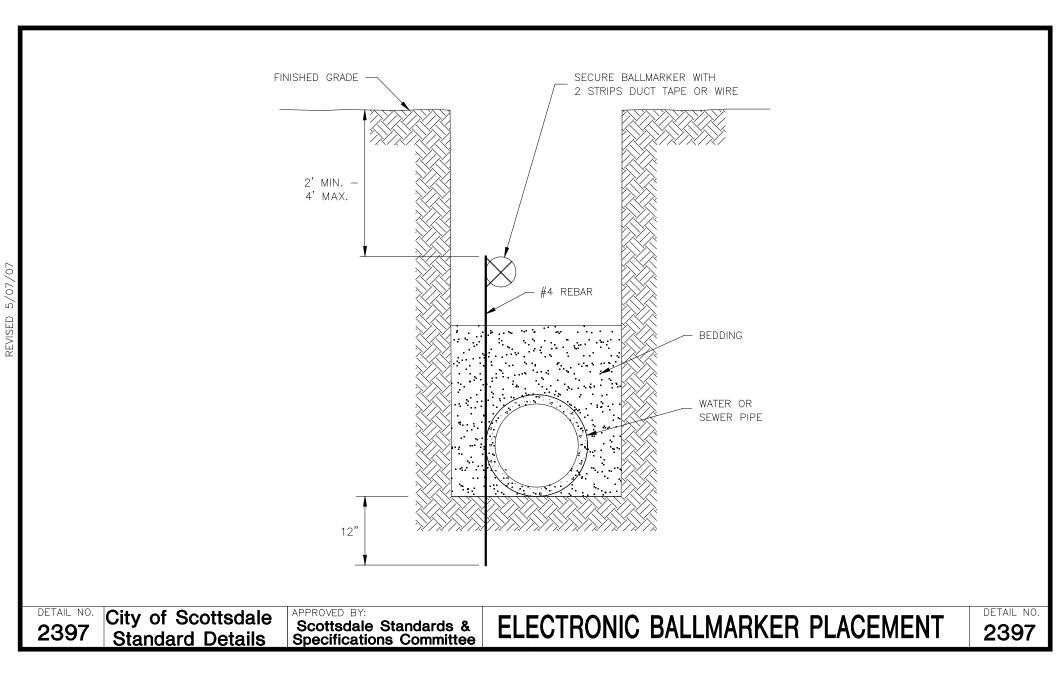


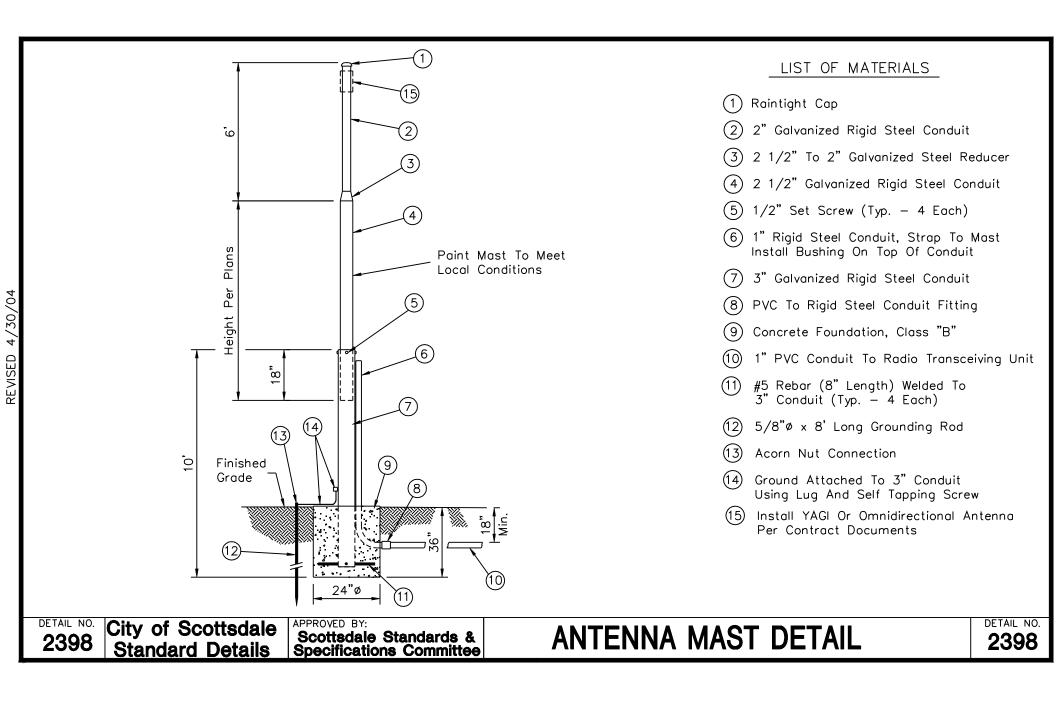


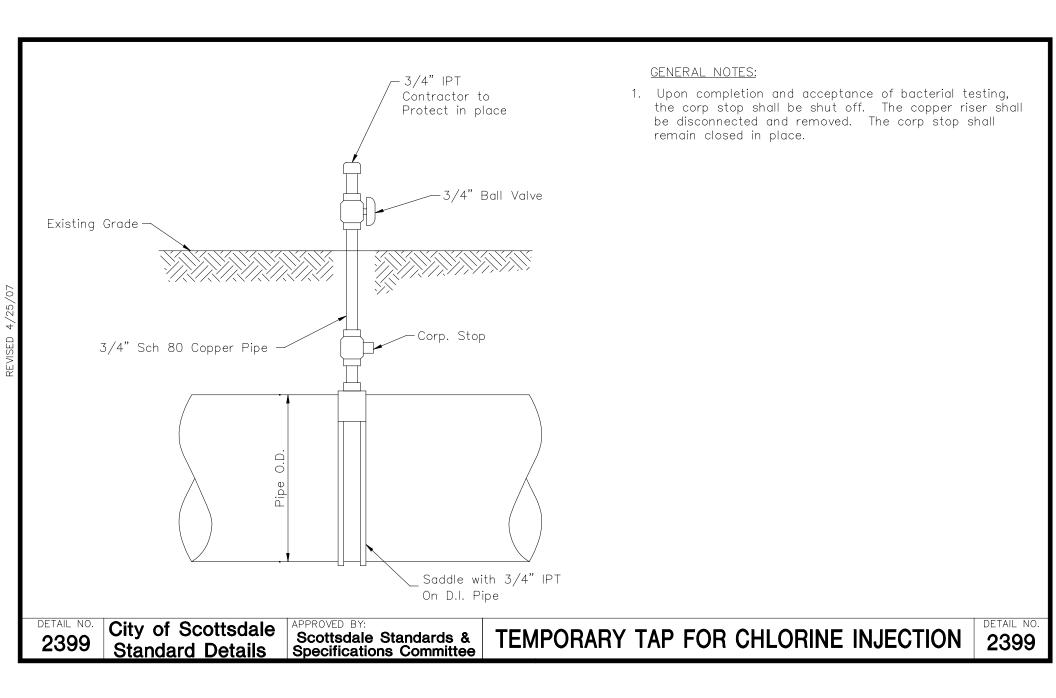


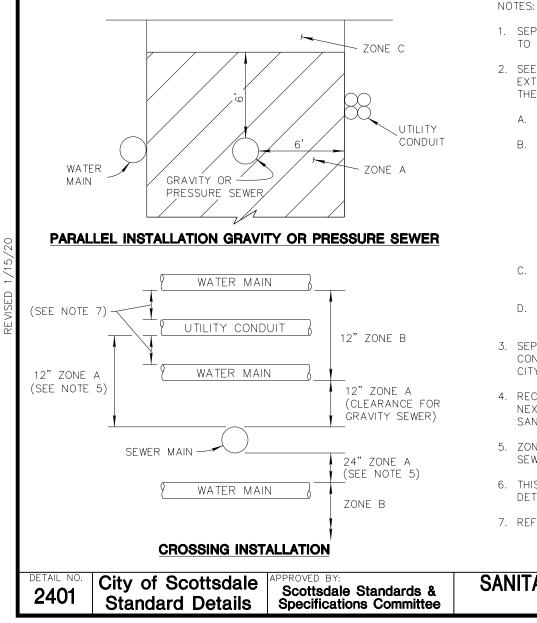


REVISED 5/22/15









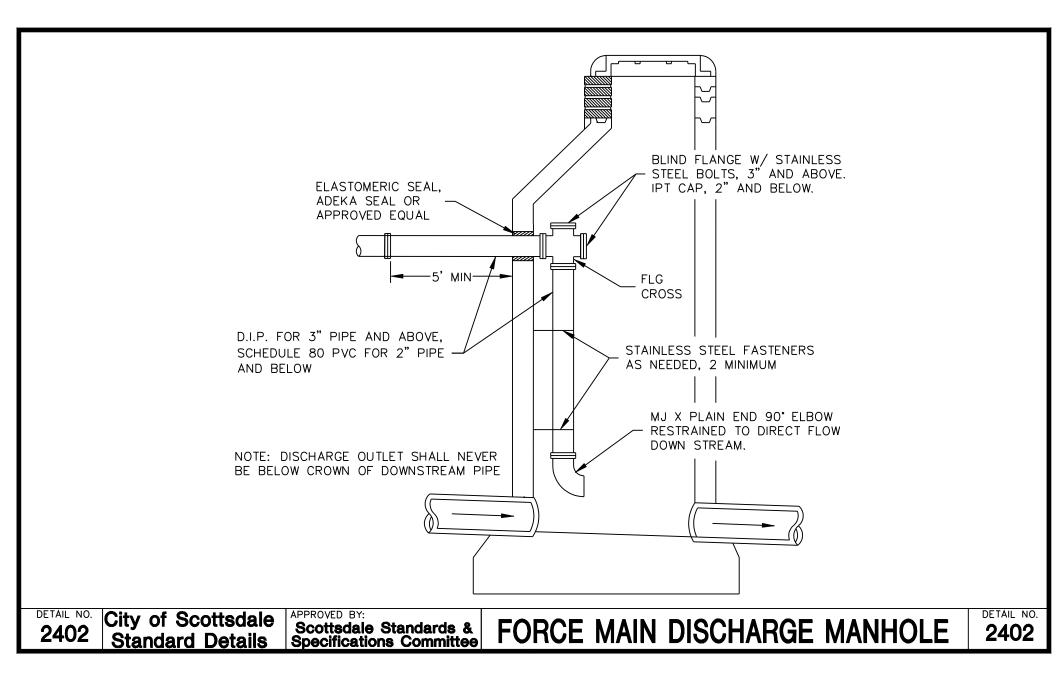
1. SEPARATION DISTANCES AND/OR EXTRA PROTECTION SHALL BE REQUIRED TO PROTECT WATER MAINS FROM CONTAMINATION BY SANITARY SEWER MAINS.

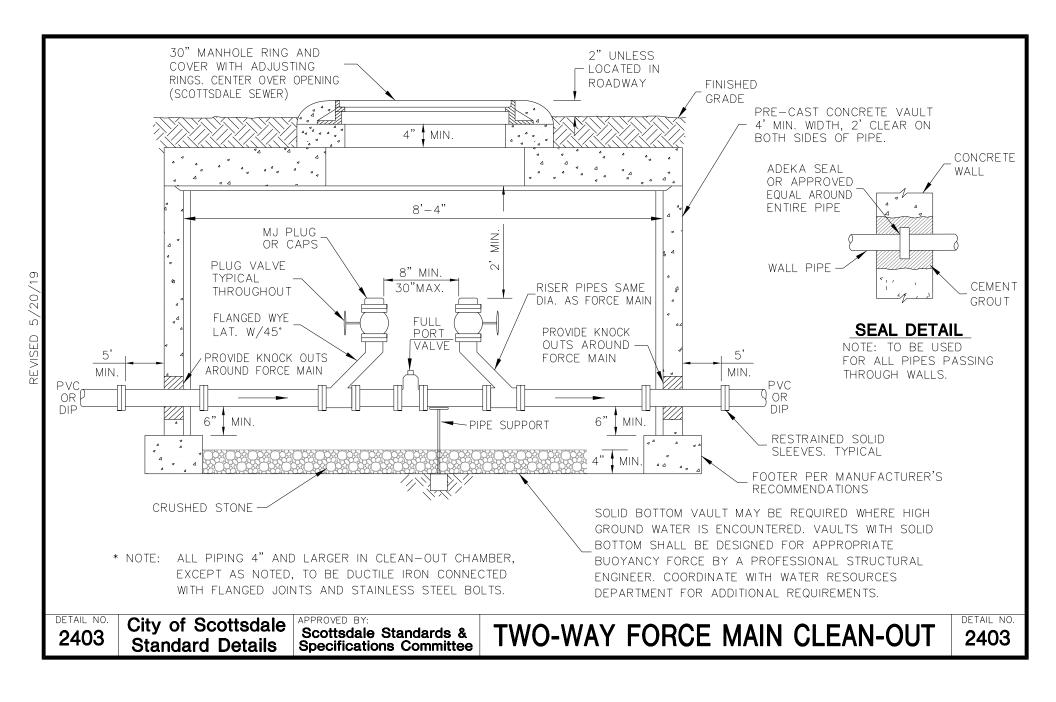
- 2. SEE CROSS INSTALLATION DETAIL ON THIS SHEET FOR LIMITS OF SEPARATION/ EXTRA PROTECTION. ALL DISTANCES ARE MEASURED PERPENDICULARLY FROM THE OUTSIDE OF THE PIPES.
 - NO WATER MAINS OR UTILITY CONDUITS SHALL FALL WITHIN ZONE A. А
 - EXTRA PROTECTION WILL BE REQUIRED WHEN THE WATER MAIN FALLS Β. WITHIN ZONE B. EXTRA PROTECTION SHALL CONSIST OF CONSTRUCTING SANITARY SEWER MAINS WITH MECHANICAL JOINT OR RESTRAINED JOINT DUCTILE IRON PIPE. DUCTILE IRON PIPE SHALL COMPLY WITH THE REQUIREMENTS FOR SEWER INSTALLATION. IN A CROSSING, THE NUMBER OF JOINTS SHALL BE HELD TO A MINIMUM WITH ONE FULL JOINT OF PIPE CENTERED OVER/UNDER THE OTHER. AN ALTERNATIVE PROTECTION MAY CONSIST OF ENCASING SEWER MAINS IN REINFORCED CONCRETE PER MAG STANDARD DETAIL 404-3.
 - С NO ADDITIONAL PROTECTION WILL BE REQUIRED OUTSIDE OF ZONES A AND B.
 - D WATER MAINS PERMITTED IN ZONE C ONLY WITH WRITTEN PERMISSION FROM THE WATER RESOURCES DEPARTMENT.
- 3. SEPARATION REQUIREMENTS FOR 4" OR 6" INDIVIDUAL HOUSE SERVICE CONNECTIONS SHALL COMPLY WITH THE PLUMBING CODES ADOPTED BY THE CITY.
- 4. RECLAIMED WATER SHALL BE CONSIDERED AS POTABLE WATER WHEN PLACED NEXT TO A SANITARY SEWER AND CONSIDERED A PRESSURE OR FORCED SANITARY SEWER MAIN, WHEN PLACED NEXT TO A POTABLE WATER MAIN.
- 5. ZONE A IS 24" WHERE WATER MAINS AND UTILITY CONDUITS CROSS PRESSURE SEWER MAINS.
- 6. THIS DRAWING REVISES MAG STANDARD DETAIL 404-1 ONLY. MAG STANDARD DETAILS 404-2 & 404-3 REMAIN INTACT.

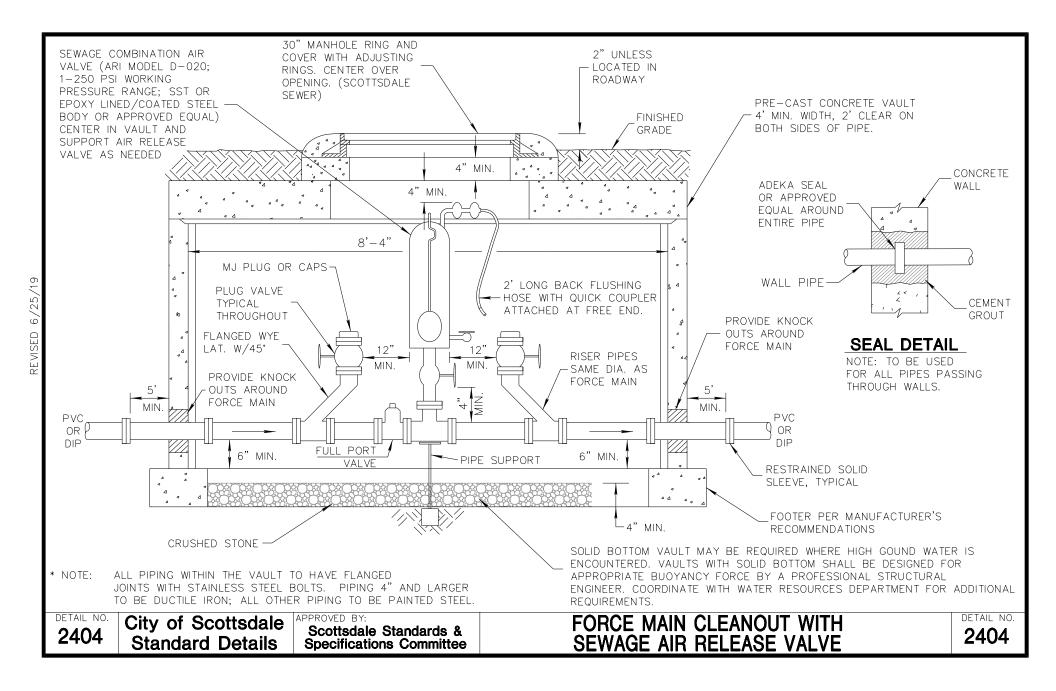
DETAIL NO.

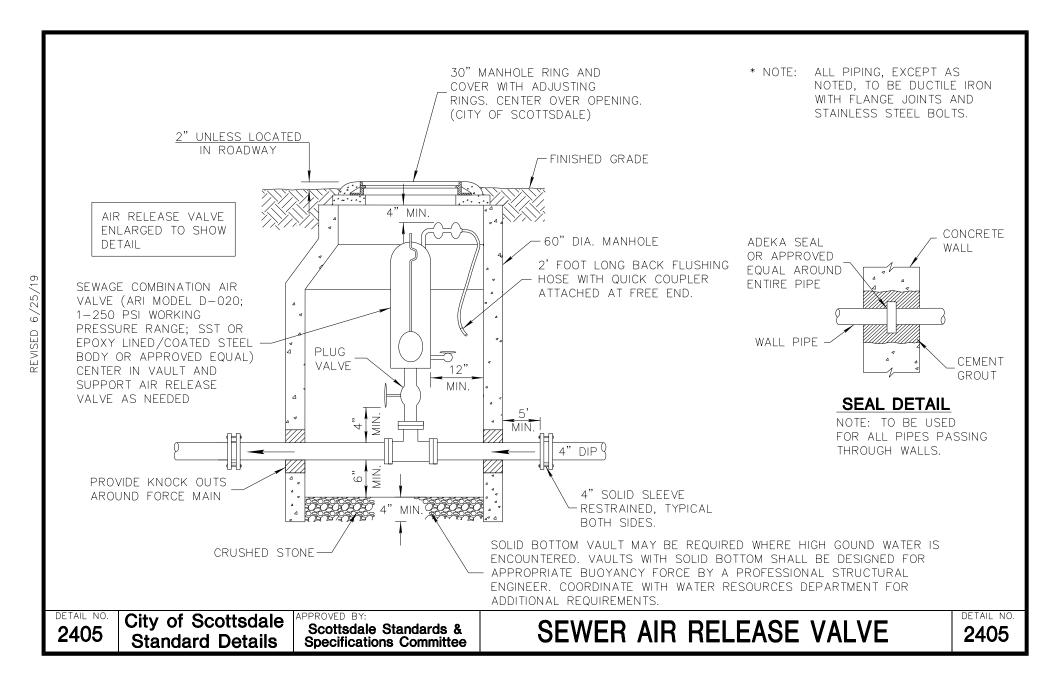
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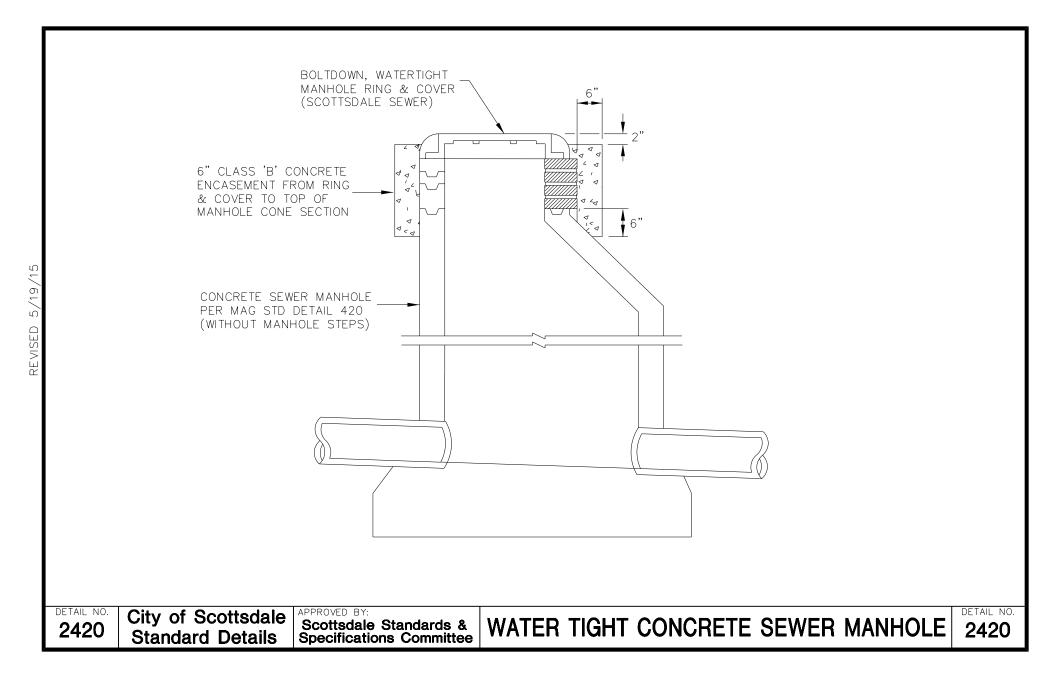
- 7. REFERENCE COS STANDARD DETAIL 2370 AND 2372.
- SANITARY SEWER SEPARATION / PROTECTION FROM WATER & UTILITIES

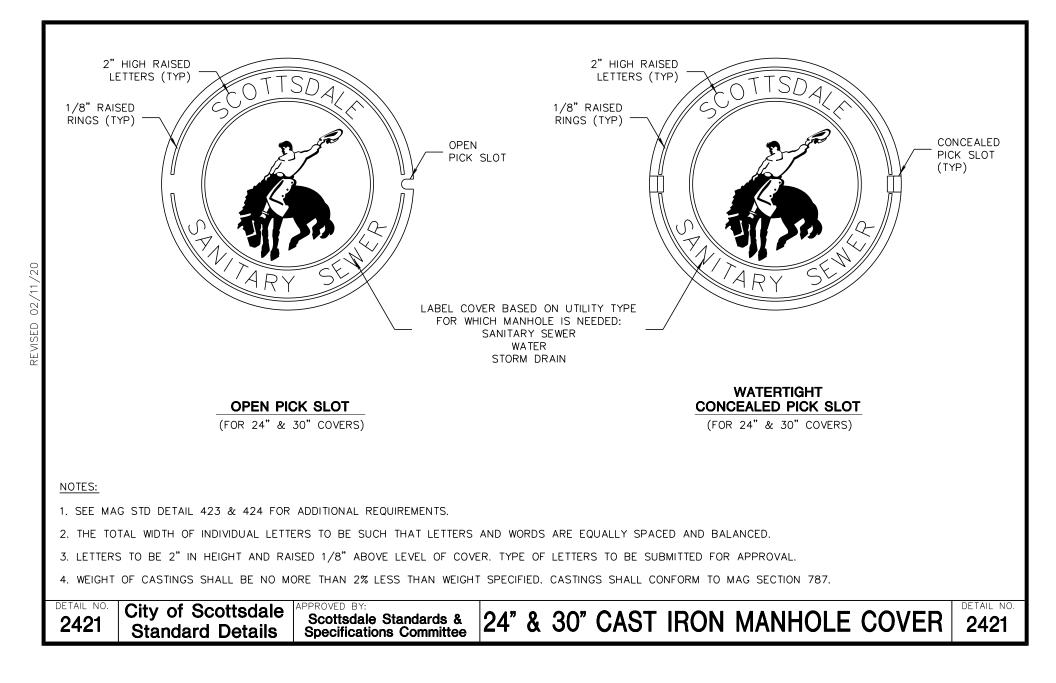


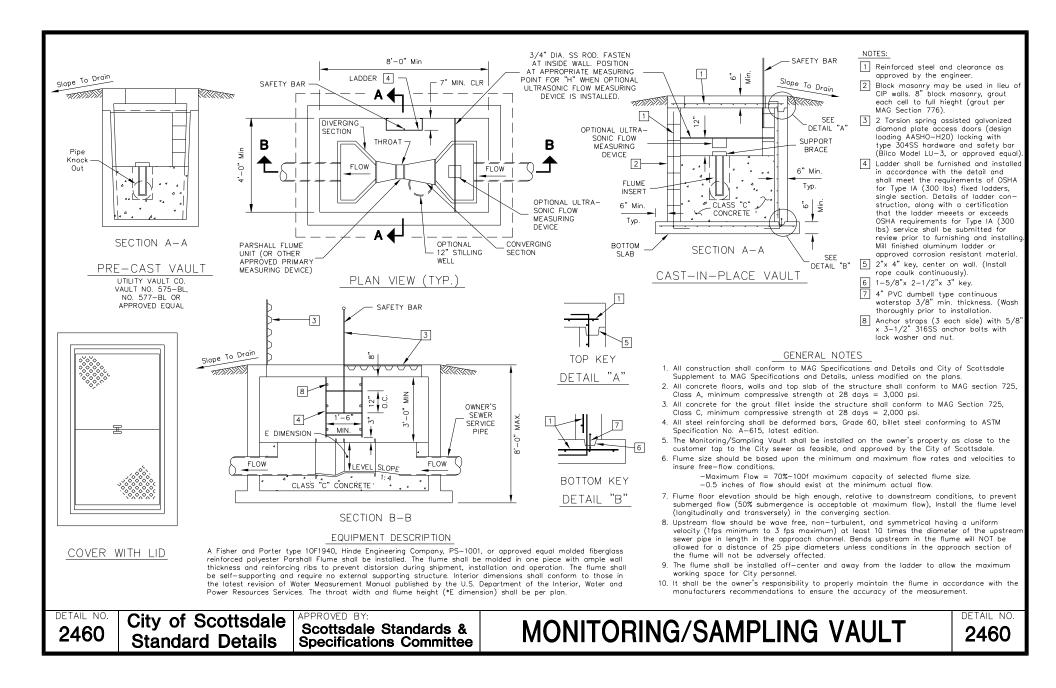


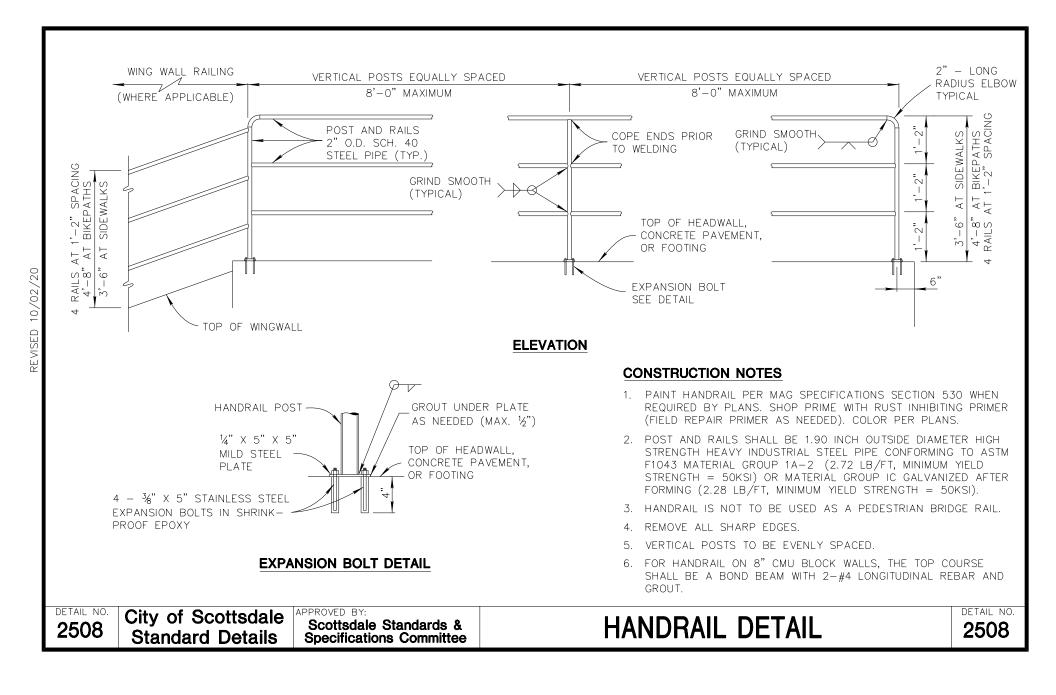


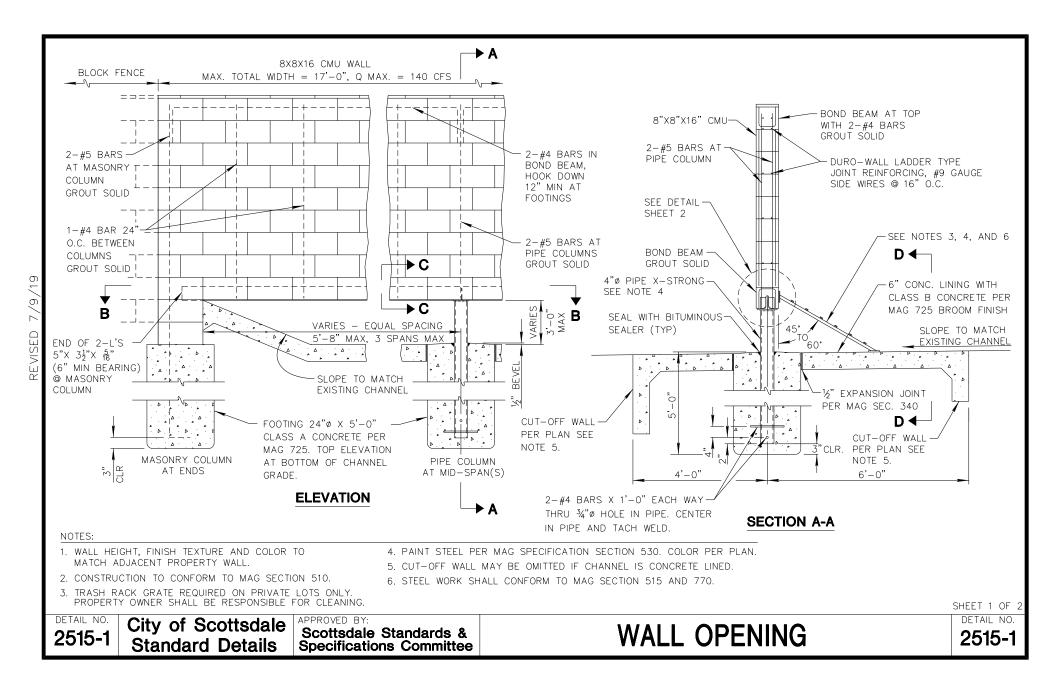


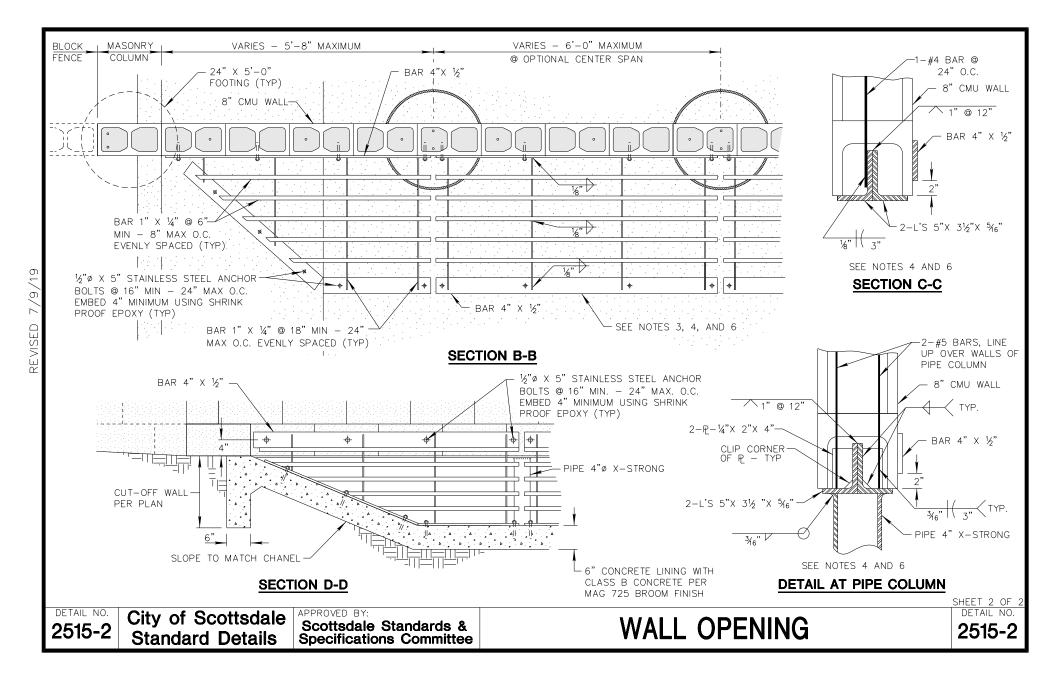


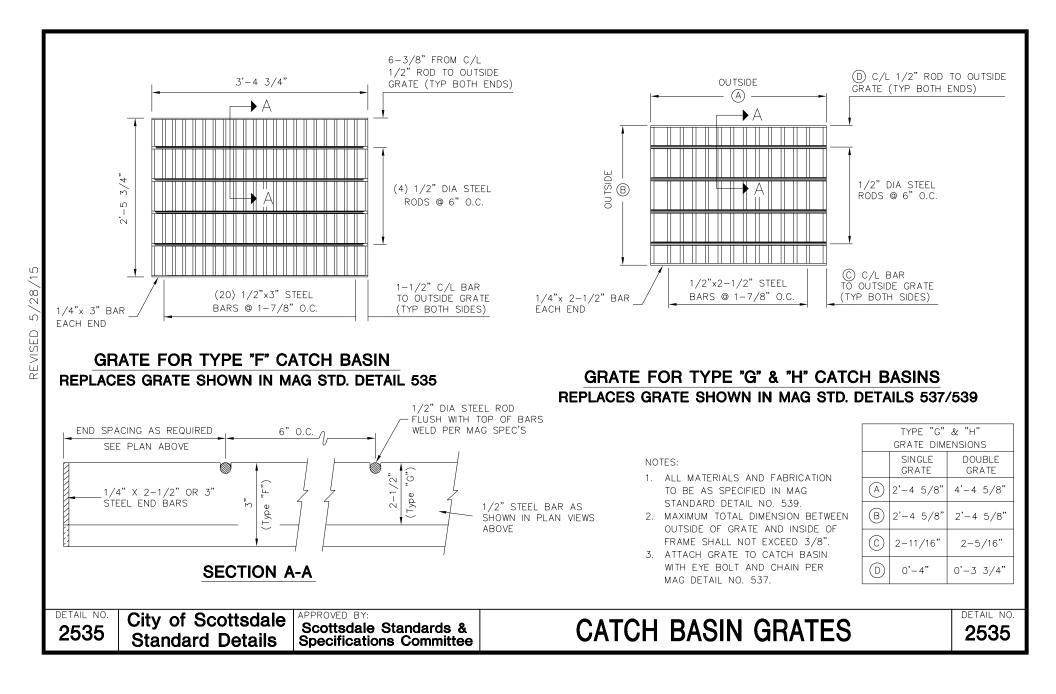


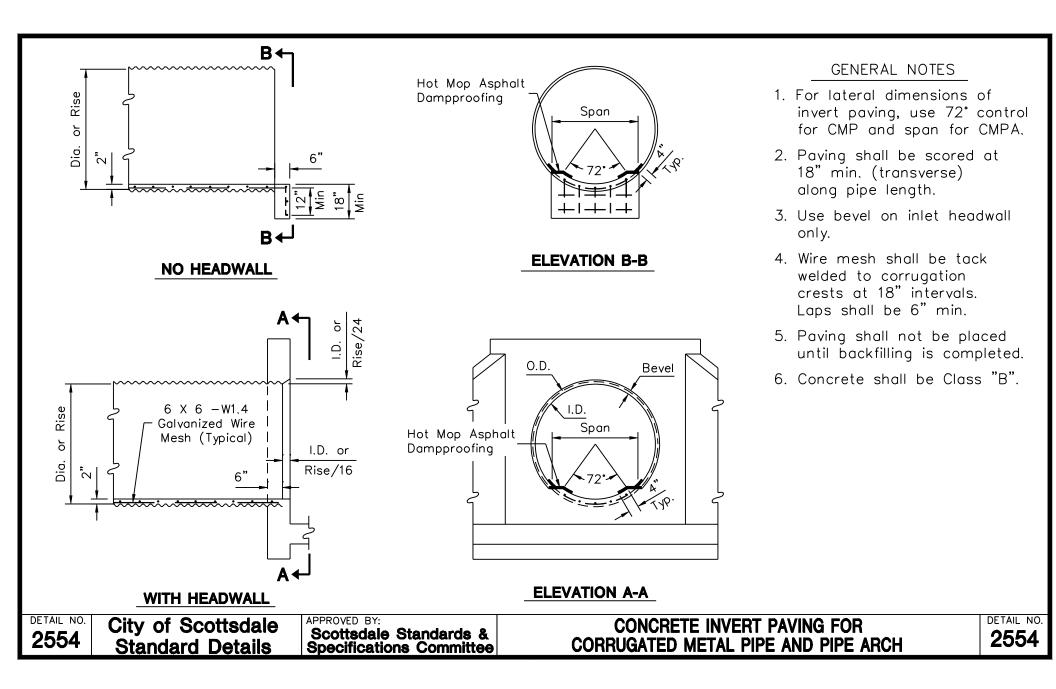


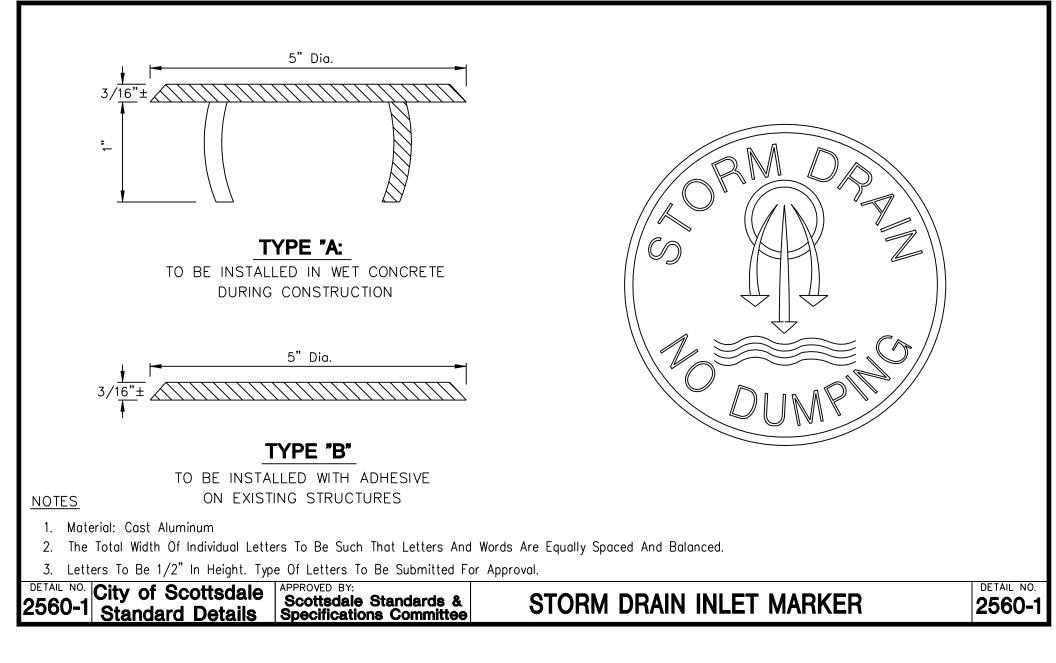


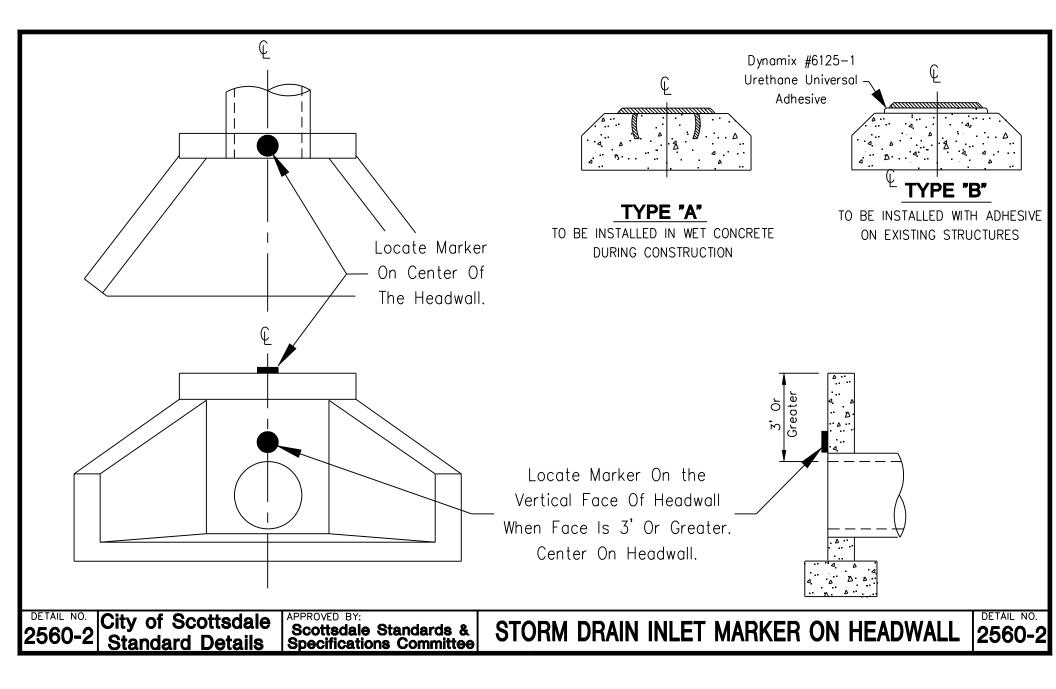


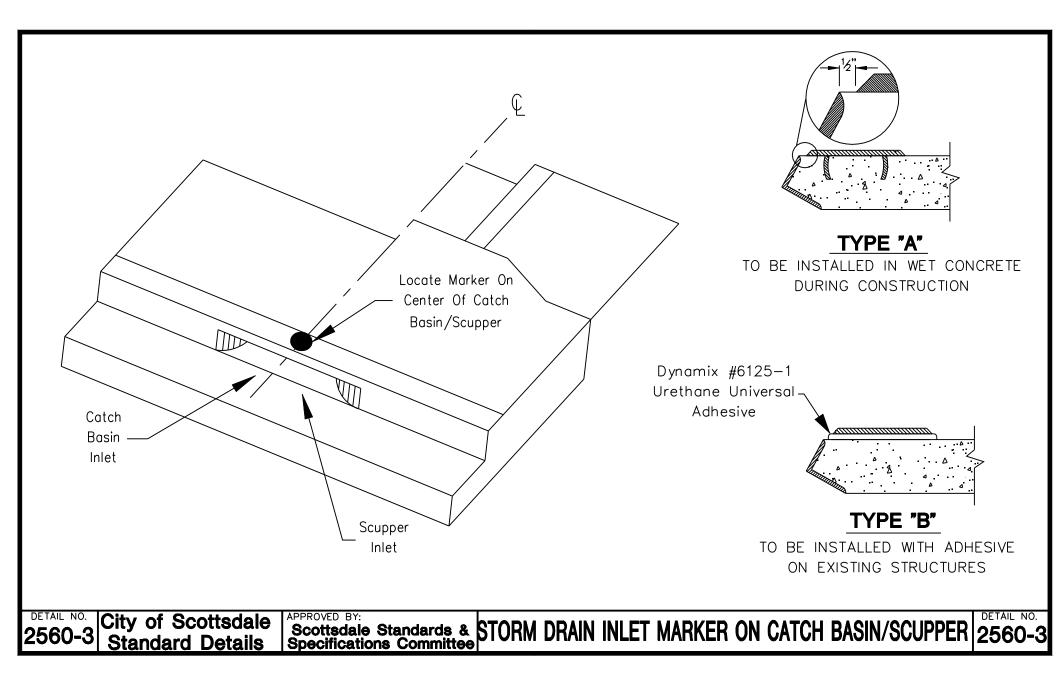


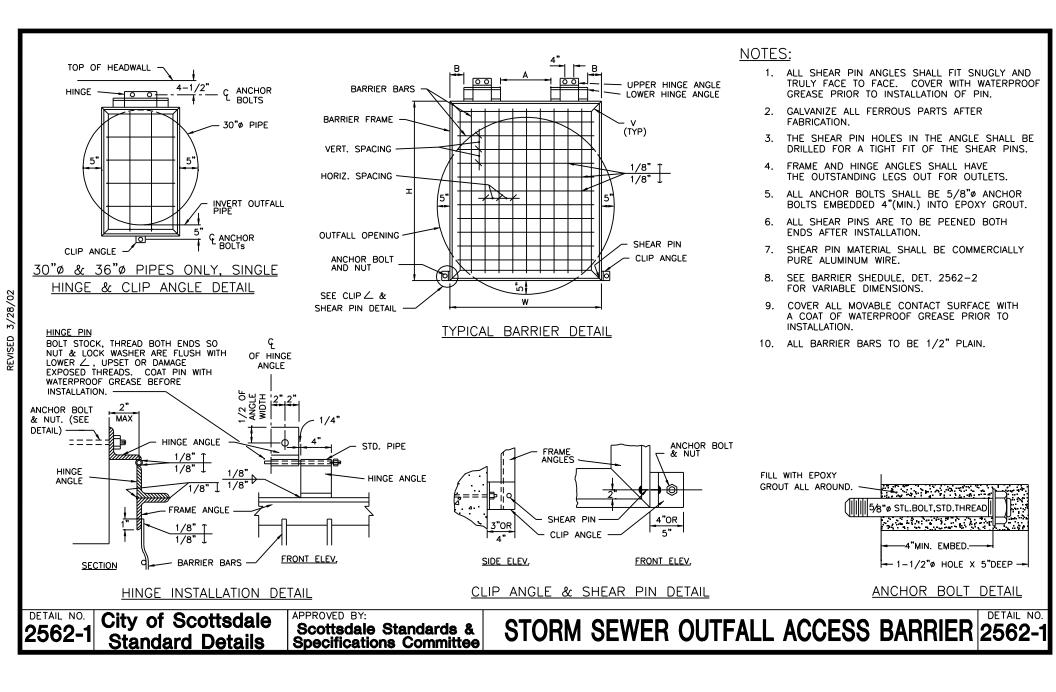








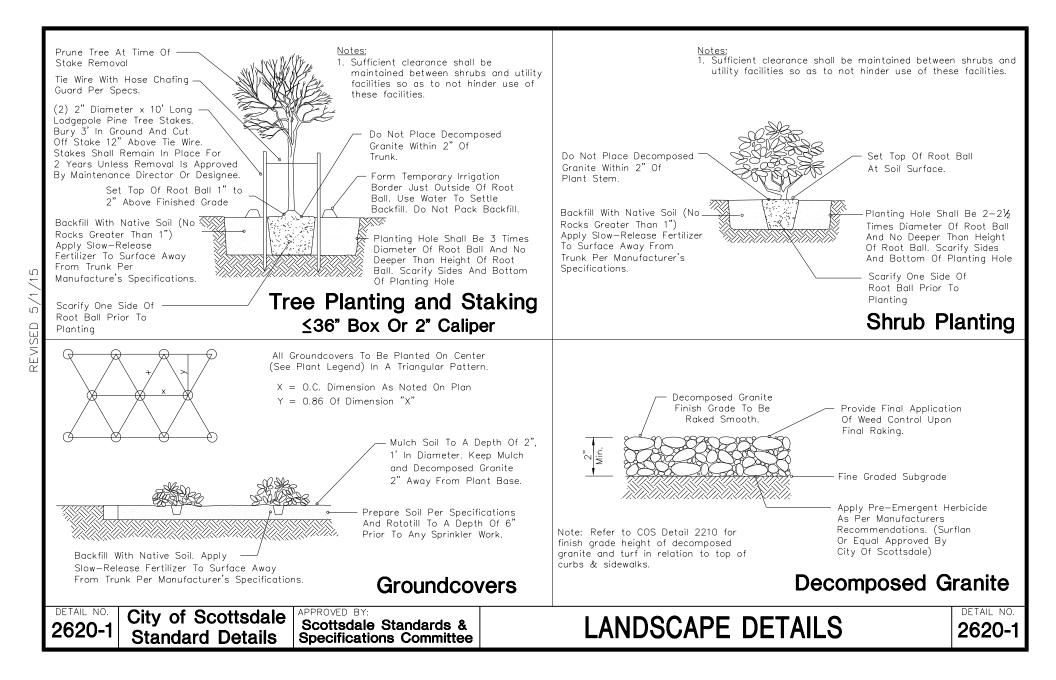


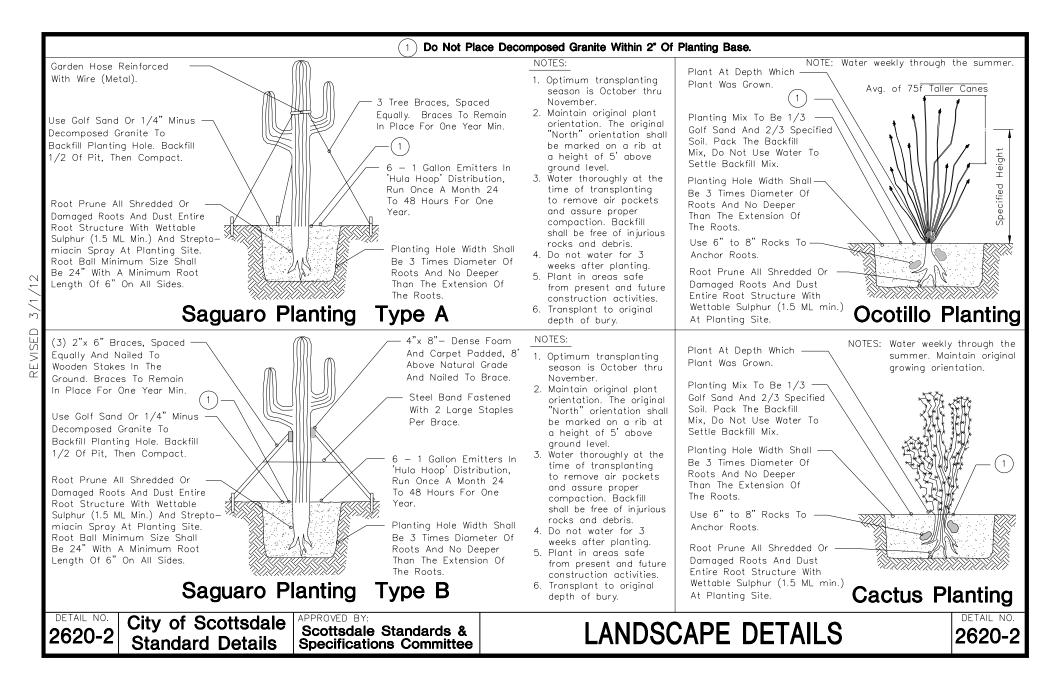


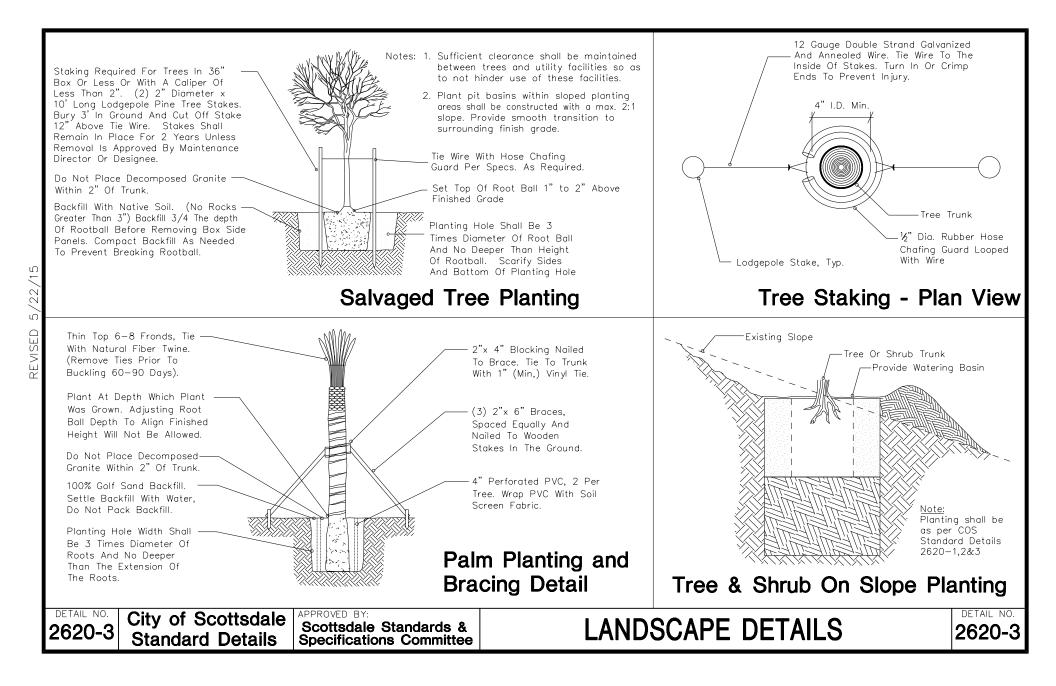
	SIZE OF OUTFALL CONDUIT	FRAME ANGLES	SHEAR PIN CLIP ANGLES	SHEAR PINS	HINGE PINS	HINGE ANGLES	HINGE STD. PIPE	NO. OF EQUAL BARRIER BAR SPACES (HORIZ.)	NO. OF EQUAL BARRIER BAR SPACES (VERT.)	H (OUT TO OUT FRAME ANGLES)	W (OUT TO OUT FRAME ANGLES)	A	В					
	30"	2X2X1/4	4X4X1/4	1-1/8ø	1/2"ø	2X2X1/4	3/4"	3	5	34"	20"	SINGLE CENTE						
	36"	2X2X1/4	4X4X1/4	1-1/8ø	3/4"ø	2-1/2X 2-1/2X1/4	1"	4	6	40"	26"	SINGLE CENTE						
	42"	2X2X1/4	4X4X1/4	2-1/8ø	1/2"ø	2X2X1/4	3/4"	5	6	42"	32"	0	0					
	48"	3X3X7/16	5X3X1/4	2-1/8ø	3/4"ø	2-1/2X 2-1/2X1/4	1"	5	7	47"	38"	3"	1"					
/02	54"	3X3X7/16	5X3X1/4	2-1/8ø	3/4 " ø	2-1/2X 2-1/2X1/4	1 "	6	8	54"	44"	5"	3"					
3/28/02 I	60"	3X3X7/16	5X3X1/4	2-1/8ø	3/4"ø	2-1/2X 2-1/2X1/4	1 "	7	9	60"	50"	9"	4 "					
REVISED:	66"	3X3X7/16	5X3X1/4	2-1/8ø	3/4"ø	2-1/2X 2-1/2X1/4	1"	8	10	66"	56"	11"	6"					
REV 	72"	4X4X5/8	5X3X1/4	2-3/16ø	1"ø	3X3X3/8	1-1/4"	9	11	73"	62"	15"	7"					
	78"	4X4X5/8	5X3X1/4	2-3/16ø	1 " ø	3X3X3/8	1-1/4"	10	11	79"	68"	17"	9"					
	84"	4X4X5/8	5X3X1/4	2-3/16ø	1"ø	3X3X3/8	1-1/4"	11	13	86"	74"	21"	10"					
	90"	4X4X5/8	5X3X1/4	2-3/16ø	1"ø	3x3x3/8	1-1/4"	12	13	92"	80"	23"	12"					
	96"	4X4X5/8	5X3X1/4	2-3/16ø	1"ø	3x3x3/8	1-1/4"	12	14	98"	86"	29"	12"					
	* _{N0} -	rE: Adjust	these va	lues for sk	ewed cor	iduits. Prov	ide 5" ma	ı ıximum ope	ening at e	ach side	and betwee	en bars.	1					
	detail no. 2562-2	City of S Standar	Scottsda d Details		D BY: Sdale Star Ications C		BARRIER SPECIFICATIONS SCHEDULE											

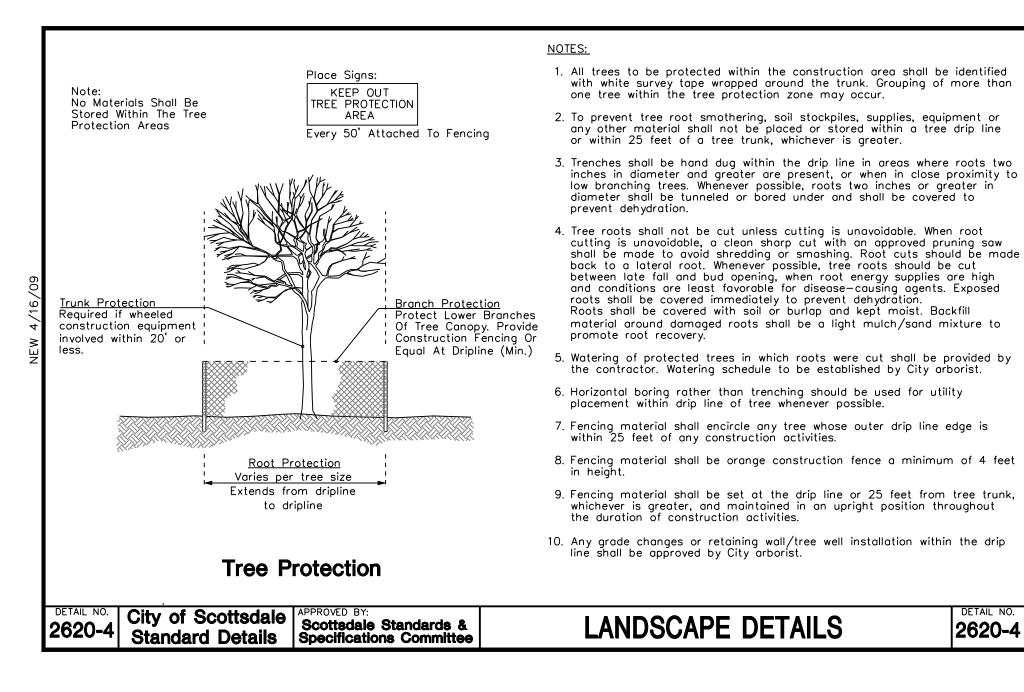
					1			Μ	ININ	UM TREE SIZE	R	EQ	UIF	REM	ENTS					1	1		1	
Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper
ACACIA					<u>IRONWOOD</u>					MESQUITE (Cont.)					OTHER TREES					COOLIBAH	15	7	3	0.7
BERLANDER\	15	4	2	0.5	DESERT IRONWOOD	15	3	2	0.5	VELVET\ ARIZONA (M)	-	5.5	3	0.5	ALEPPO	15	6	3	0.75	(EUCALYPTUS -	24	10	4	
<u>GUAJILLO (M)</u>	24	5	4	1	(OLNEYA TESOTA)	24	6	3	1.25	(PROSOPIS VELUNTINA)	24	7	4	1	(PINUS HALEPENSIS)	24	9	4	2	MICROTHECA)	30	12	5	
(ACACIA BERLANDIERI)	30	7	5	1.5	-	30	8	6	2		30	9	6	1.5		30	11	6	3		36	15	6	-
	36	9	6	2	-	36	10	8	2.5	_	36	10	-	2		36	14	7	3.5	CORK OAK	15	4	2	0.7
MULGA	15	5	2	0.75	-	42	11	9	3	-	42	12	_	2.5		42	16	9	4	(QUERCUS SUBER)	24	6.5	3	-
(ACACIA ANEURA)	24	7	4	1.5		48	12	10	3.5		48	14	12	3		48	18	10	4.5	-	30	9	4.5	-
	30	9	6	2	DESERT IRONWOOD (M)	15	3	2	0.5	PALOVERDE					ARIZONA SYCAMORE	15	7	2	1	-	36	12	6	-
	36	10	8	2.5	(OLNEYA TESOTA)	24	6	3	1.25		15	6	2	0.75	(PLATANUS WRIGHTII)	24	9	4	1.5	-	42	14	9	4
SHOESTRING	15	7	2.5	0.75	-	30	8	6	2	(PARKINSONIA FLORIDUM)	24	7.5	4	1.5		30	13	6	2.5		48	16	11	-
(ACACIA STENOPHYLLA)	24	9	4	1.5	-	36	10	8	2.5	_	30	9	7	2	10170114	36	16	8	3.5	CORRAL GUM	15	6	2.5	-
	30	11	5	2	-	42	11	9	3 3.5	_	36	10	-	2.5	ARIZONA	15	6	3	0.5	(EUCALYPTUS TORQUATA)	24	8	3.5	
	36	13	6 7	2.5	MESQUITE	48	12	10	3.5	-	42	12 14	-	3	SYCAMORE (M)	24	8	4	1	DESERT WILLOW	15	6 7	2	0.7
	42	15	•	3		45			0.75		48		10	3.5	(PLATANUS WRIGHTII)	30	12	/	2	(CHILOPSIS LINEARIS)	24		4	1.2
SHOESTRING (M)	48 15	17 7	8 2.5	4 0.5	CHILEAN MESQUITE (PROSOPIS CHILENSIS)	15 24	6 8	2	0.75	BLUE PALO VERDE (M) (PARKINSONIA FLORIDUM)	15 24	5 7	3	0.5	AUSTRALIAN WILLOW	36 15	15 5	9 3	3 0.75	-	30 36	9 10	6 8	1.7
(ACACIA STENOPHYLLA)	24	9	2.5 4	0.5	(PROSOPIS CHILENSIS)	24 30	。 9	6	2	(PARKINSONIA FLORIDUM)	30	8	4	1.5	WILGA	24	8	4	1.25	DESERT WILLOW (M)	30 15	5	° 3	-
(ACACIA STENOPHTLLA)	24 36	9 13	4	2	-	36	9 10	8	2.5	-	36	。 10	-	2	(GEIJERA PARVIFLORA)	30	。 10	4 5	1.25	(CHILOPSIS LINEARIS)	24	5	5	0.7
SWEET	15	6	2.5	0.75	-	42	10	10	1	-	42	12	_	2.5	(GEIJERA PARVIFLORA)	36	12	5.5	2.5	(CHILOPSIS LINEARIS)	30	9	6	-
(ACACIA SMALLII)	24	8	4	1.5	-	48	14	12			48	14	-	3	CHASTE TREE	15	5	3	0.75		36	10	8	-
(NONCONTERN)	30	9	6	2	CHILEAN MESQUITE (M)	15	5	3	0.5	LITTLE LEAF\	15	4	2	0.5	(VITEX ANGUS-CASTUS)	24	6	4	1.25	ELDARICA	15	6	2	1.
	36	10	8	2.5	(PROSOPIS CHILENSIS)	24	8	5	1	FOOTHILLS	24	6	3	1		30	7	5	2	(PINUS ELDARICA)	24	10	4	2
	42	12	10	3	()	30	9	7	1.5	(PARKINSONIA	30	7	5	1.5		36	8	6	2.5	(**************************************	30	13	4	_
	48	14	12	3.5		36	10	9	2	MICROPHYLLUM)	36	8	6	2	CHINESE EVERGREEN	15	7	2	0.75		36	15	5	4
SWEET (M)	15	5	3	0.5		42	12	11	2.5	LITTLE LEAF\	15	4	3	0.5	ELM	24	8	3	1.25		42	18	7	4.
(ACACIA SMALLII)	24	8	5	1		48	14	13	3	FOOTHILLS (M)	24	5	4	1	(ULMUS PARVIFOLIA)	30	12	6	2		48	20	9	5.9
, ,	30	9	7	1.5	HONEY MESQUITE (M)	15	6	2	0.75	(PARKINSONIA	30	6	5	1.5	, , , , , , , , , , , , , , , , , , ,	36	14	8	2.5	FEATHER BUSH	15	5	3	_
	36	10	9	2	(PROSOPIS -	24	8	4	1.5	MICROPHYLLUM)	36	8	7	2		42	16	9	3.5	FERN OF THE DESERT	24	6.5	4	1.2
	42	12	10	2.5	GLANDULOSA)	30	9	6	2	SONORAN	15	6	2	0.75		48	18	10	3.75	(LYSILOMA THORNBERI)	30	7	6.5	5 2
	48	14	12	3		36	10	8	2.5	(PARKINSONIA PRAECOX)	24	7	4	1.5	CHINESE PISTACHE	15	7	2	0.75		36	8	6	2.5
WILLOW \	15	6	2	0.75		42	12	10	3		30	8	6	2	(PISTACIA CHINENSIS)	24	9	4	1.5	FEATHER BUSH\ FERN	15	4	3	0.7
AUSTRALIAN WILLOW	24	8	4	1.5		48	14	12	3.5	1	36	10	8	2.5		30	10	5	2.5	OF THE DESERT(M)	24	5	5	1
(ACACIA SALICINA)	30	10	5	2	SCREW BEAN (M)	15	5.5	3	0.5		42	11	10	3		36	12	6	3.5	(LYSILOMA THORNBERI)	30	7	7	1.
	36	14	6	2.5	(PROSOPIS -	24	8	4	1		48	12	12	3.5	CHIR PINE\ INDIAN	15	5	3	1		36	8	8	2
					PUBESCENS)	30	9	6	1.5	SONORAN (M)	15	5	2	0.5	LONG LEAF	24	8	4	2					
						36	10	8	2	(PARKINSONIA PRAECOX)	24	7	4	1	(PINUS ROXBURGHII)	30	11	6	2.5					
						42	12	10	3		30	8	6	1.5		36	15	6.5	3.5					
See General Notes						48	14	12	3.5		36	10	8	2		42	17	8	4.5					
On Page 2											42	11	10	2.5		48	20	9	5	Page 1 of 2				
											48	12	12	3										\bot
DETAIL NO.	С	ity	of	Sc	ottsdale APPROVED							Л	-									DET		10.
2600-1 Standard Details Scottsdale Standards & Specifications Committee MINIMUM TREE SIZE REQUIREMENTS 260												nn	1_1											

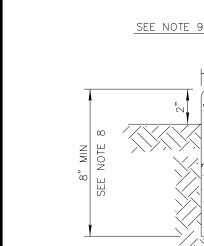
						M	INI	MU	ΜТ	REE SIZE REQ	UIR	EN	/IEI	NTS											
Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper	Name	Size	Height	Width	Caliper	
FICUS	15	8	2	0.75		15		3	1	RED GUM	15	8	3	1	SILK TREE MIMOSA (M)	15	5	3.5	0.5	SILK TREE MIMOSA	15	6	3	0.75	
(FICUS NITIDA)	24	9	4	1.5	JERUSALEM	24	_	6	1.5	(EUCALYPTUS-	24	10	4	1.75	(ALBIZIA JULIBRISSIA)	24	6.5	5	0.75	(ALBISIA JULIBRISSIN)	24	8	4	_	
	30	10	5	2	(PARKINSONIA ACULEATA)	30	11	9	2.5	CAMALDULENSIS)						30	6	6	1		30	10	6	2	
	36	12	6	3		36	12	10	3	RED IRON BARK	15	8	3	0.75		36	10	8	2.5		36	12	8	3	
FICUS (M)	15	5.5	3	0.5	MODESTO ASH	15	8	2	1	(EUCALYPTUS -	24	10	4	1.5	SILVER DOLLAR GUM	15	7	3	0.75	TEXAS EBONY (M)	15	4	2	0.5	
(FICUS NITIDA M)	24	8	4	1	(FRAXINUS V MODESTO)	24	10	4	1.5	SIDEROXYLON)					(EUCALYPTUS-	24	10	4	1.5	(PITHECELLUBIUM-	24	6	4	1	
	30	10	6	2		30	12	6	2	RIO GRANDE\ FAN	15	7	2	0.75	,					FLEXICAULE)	30	7	6	1.5	
	36	12	8	2.5		36	14	7	2.5	TEXAS ASH	24	9	4	1.25	SISSOO	15	7	3	0.75		36	9	8	2	
FLOODED GUM	15	8	3	1	-	42	16	8	3	(FRAXINUS V FANTEX)	30	12	5	2	(DALBERGIA SISSOO)	24	10	4	1.25		42	10	10		
(EUCALYPTUS RUDIS)	24	10	4	1.5		48	-	10	-		36	14	8	2.5		30	12	7	2.5		48		11	-	
FLOWERING CHERRY	15	6	2.5		NARROW LEAF GIMLET	15		2.5		-	42	15	9	3.5		36	15	10	3	YELLOW OLEANDER	15		2	0.5	
(PRUNUS VARIETIES)	24	9	4	1.25		24	8	3	1		48	16	10	4	SOUTHERN LIVE OAK	15	6	2	0.75	(THEVETIA PERUVIANA)	24	8	4	1.25	
	30	11	8	2	(EUCALYPTUS -	<u> </u>				SHAMEL\ EVERGREEN	15	8	2	1	HERITAGE	24	9	4	1.25			-			
	36	13	10	2.5	SPATHULATA)	+	-	<u> </u>		(FRAXINUS UHDEI)	24	10	4	1.5	(QUERCUS VIRGINIANA)	30	11	6.5	2						
/08	42	15	11	3 3.5		15 24	5 8	3 5.5		-	30	12	5 8	2.5 3	_	36	13 15	8 10	2.75	-					
	48	17 8	12 2	3.5 0.75	(OLEA EUROPAEA) 'SWAN HILL'	30	8 11	5.5 9	1.5	-	36 42	14	8 9	3.5	-	42 48	15	-	3.5 4.5						
(GLEDITSIA TRIACANTHOS	15 24	8 9	2	1.5	SWAN HILL	30	12	9 10	2	-	42	15 16	9 10	3.5	TEXAS EBONY	48 15	5	12 2	4.5 0.75						
	30	9 10	4 6	2		42	14	12	-	SILK OAK	40 15	8	3	4	(PITHECELLOBIUM-	24	6	3	1.5						
	36	12	8	2.5		48	14	14	4	(GREVILLEA ROBUSTA)	24	10	4	2	FLEXICAULE)	30	7	4	2					<u> </u>	
	42	14	10	3	ORCHID TREE	15	-	2	0.75	(ORE VILLEA RODOUTA)	30	12	6	2.5		36	9	6	2.5					<u> </u>	
N N N N N N N N N N N N N N N N N N N	48	16	12	3.5	(BAUHINIA)	24	9	4	1.25		36	14	7	3		42	10	6	3					+	
	15	8	2	0.75	· /	30	11	6	2				-	-		48	11	7	3.5					1	
(JACARANDA ACUTIFOLIA)	24	9	4	1.5		36		7	2.5															1	
(,	30	12	5	2.5	RAYWOOD ASH\	15		4	1																
	36	14	8	3	CLARET ASH	24	10	3	1.5																
	42	16	8	3.5	(FRAXINUS O RAYWOODII)	30	12	5	2															1	
	48	18	9	4		36	14	8	2.5																
JACARANDA (M)	15	5.5	3	0.5		42	16	10	3																
(JACARANDA-	24	8	5	0.75		48	18	12	4																
ACUTIFOLIA)	30	10	6	1.5	RED CAP GUM	15	6.5	2.4	0.75											Page 2 of 2					
	36	12	7	2	(EUCALYPTUS-	24	8	4	1.25																
MESCAL BEAN\ TEXAS	15	3	1		ERYTHROCORYES)										GENERAL	NOT	ES:								
MOUNTAIN LAUREL	24	4	2	1																					
(SOPHORA -	30	5	3	1.75	-						•	-			or one year from the dat			•							
SECUNDIFLORA)	36	6	4	2	-										e. A multitrunk tree is a										
MESCAL BEAN\ TEXAS	15	3	2	0.75											ve the ground for trees						ik tre	es,			
MOUNTAIN LAUREL (M)	24	4	3	1						and trees with caliper of less that 4", the caliper is measured 6" above the ground.															
(SOPHORA -	30	5	4	1.5	4	\vdash	<u> </u>	<u> </u>	<u> </u>	4. Size is listed	as th	e bo	DX SI	ze in	inches except for those	etre	es in	15	gallor	containers.					
SECUNDIFLORA)	36	6	5	2				1	I												1	DET		10	
DETAIL NO.		-			ottsdale Scottsda		tanr	lard	د ۹			Л	ТС			-				MENITO		DETAIL NO.			
2600-2 Standard Details					Details Specifica						MINIMUM TREE SIZE REQUIREMENTS 2600-2											-2			













HEADER CURB

6"

NOTES:

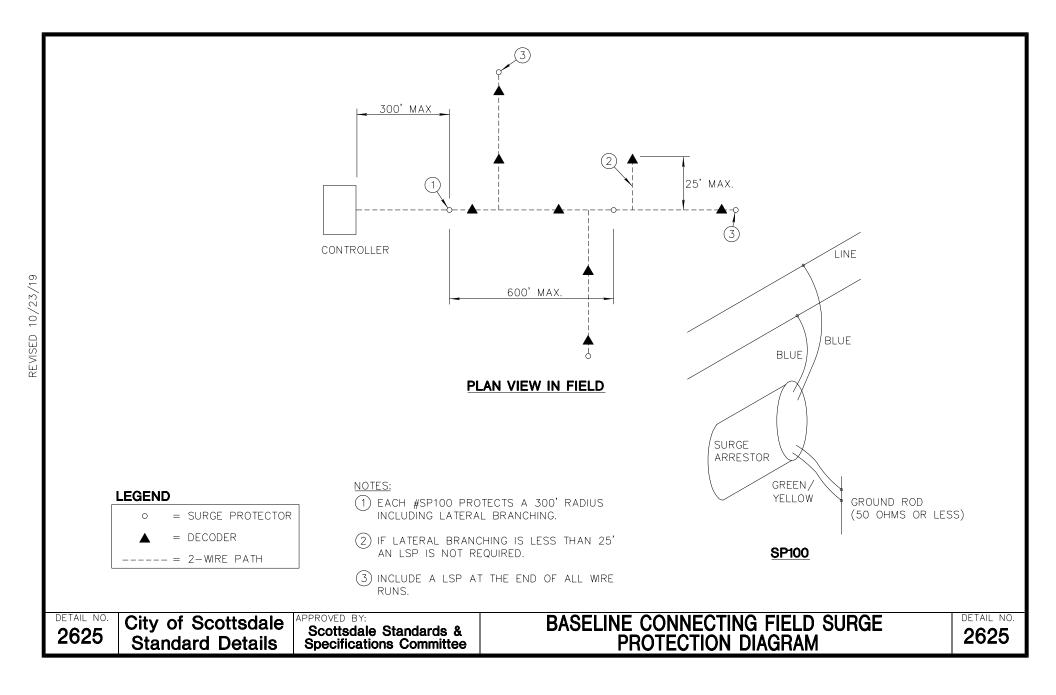
- 1. ALL VERTICAL SURFACES TO BE FORMED.
- VERTICAL SURFACES DOWN FROM 2" BELOW UNDISTURBED SOIL MAY BE PLACED AGAINST NEAT CUT IF APPROVED BY THE ENGINEER AND CONCRETE WILL NOT EXTEND MORE THAN 1" BEYOND THEORETICAL FACE.
- 3. ALL EXPOSED SURFACES TO BE STRIPPED GREEN AND \backslash TROWEL FINISHED.
- 4. CONCRETE CURBS CONFORM TO SECTION 340.
- 5. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10' MAXIMUM.
- 6. EXPANSION JOINTS PER SECTION 340, 50' MAXIMUM SPACING.
- 7. CONCRETE TO BE CLASS B PER SECTION 725.
- 8. HEADER SHALL HAVE AN 18" DEPTH IF HEADER IS SUBJECT TO SCOUR WHEN CONTAINING RIP-RAP AREAS.
- 9. TOP OF HEADER TO BE FLUSH WITH TOP OF ANY ADJACENT CONCRETE SURFACES.
- 10. ENSURE A SMOOTH AND EVEN TRANSITION WHERE CONCRETE HEADER TERMINATES AT SIDEWALK OR WALL.
- 11. COLOR TO MATCH ADJACENT SIDEWALKS OR STANDARD CONCRETE COLOR IF NOT ADJACENT TO OTHER PAVING.

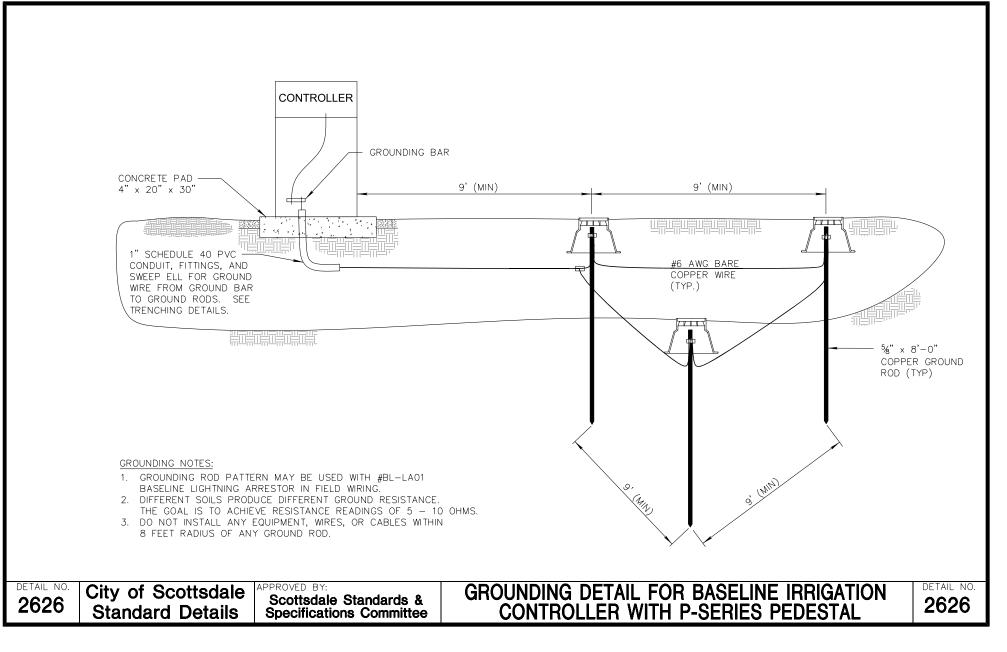
City of Scottsdale Standard Details

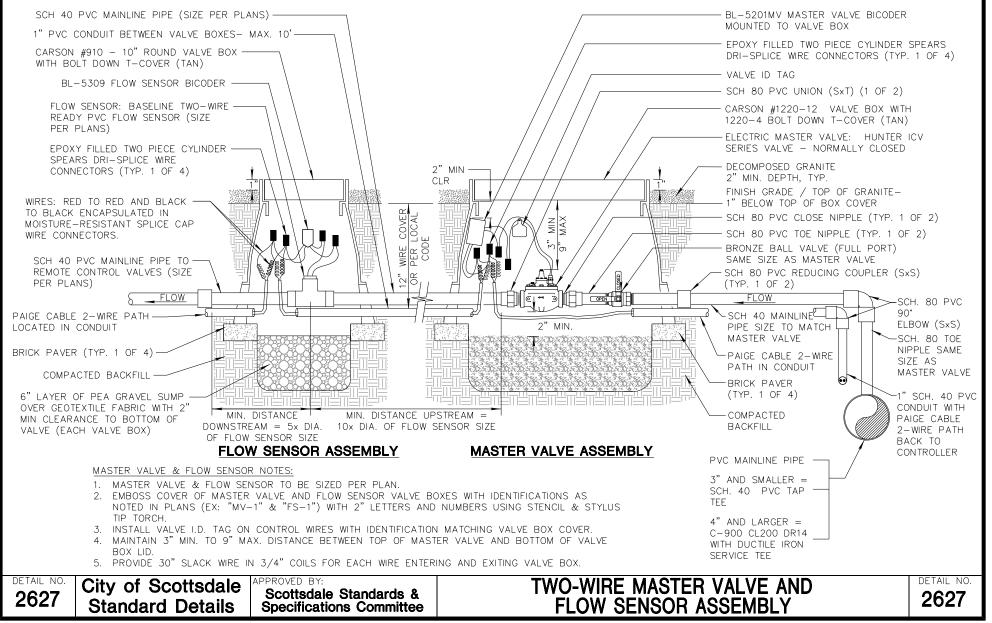
APPROVED BY: Scottsdale Standards & Specifications Committee

LANDSCAPE CONCRETE HEADER

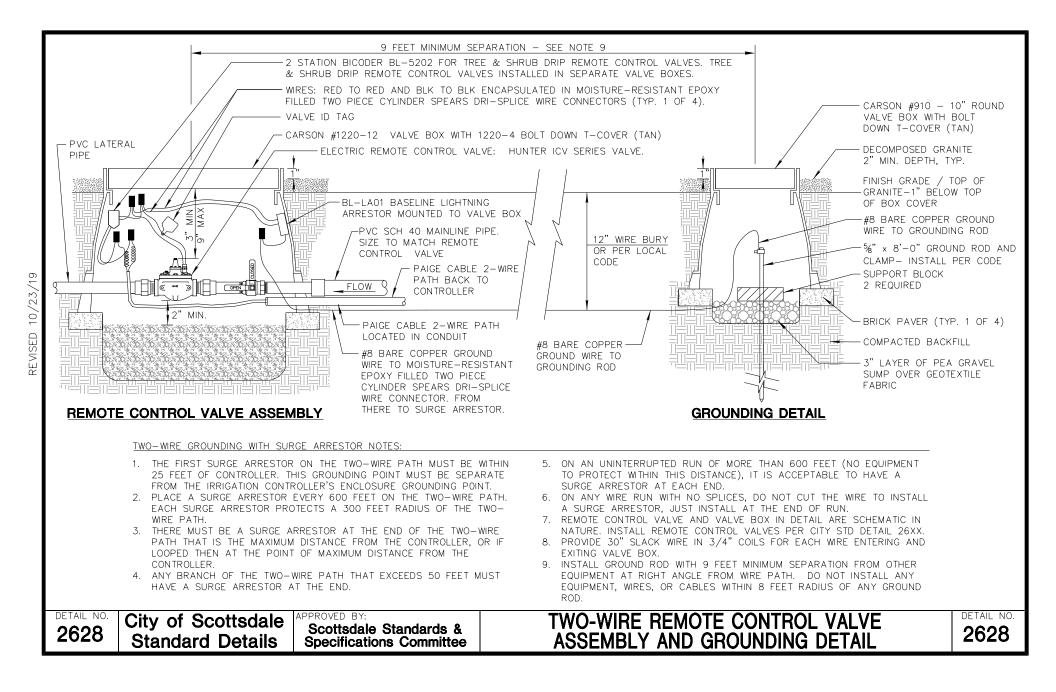


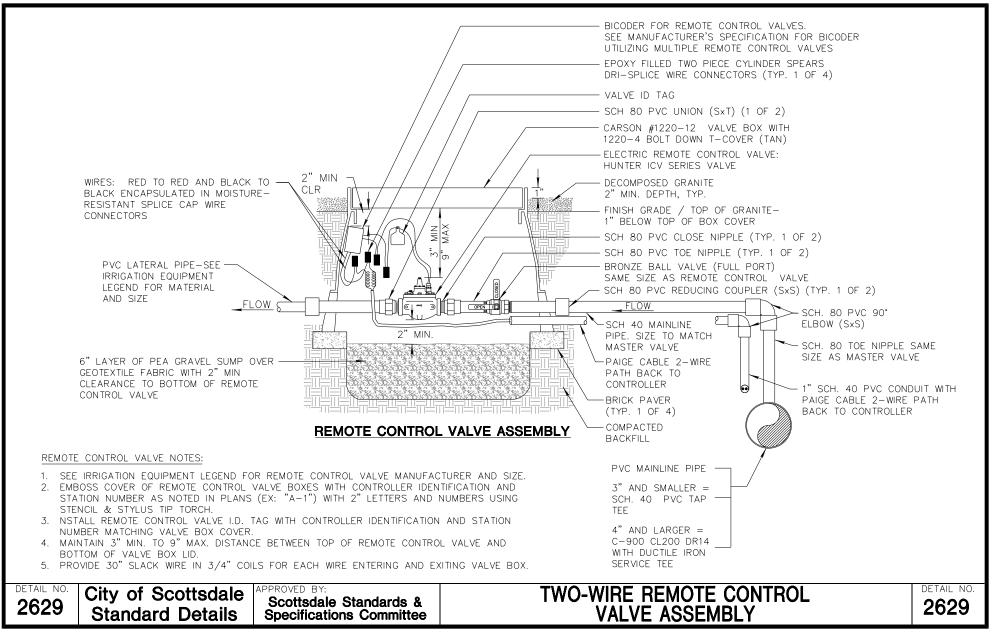


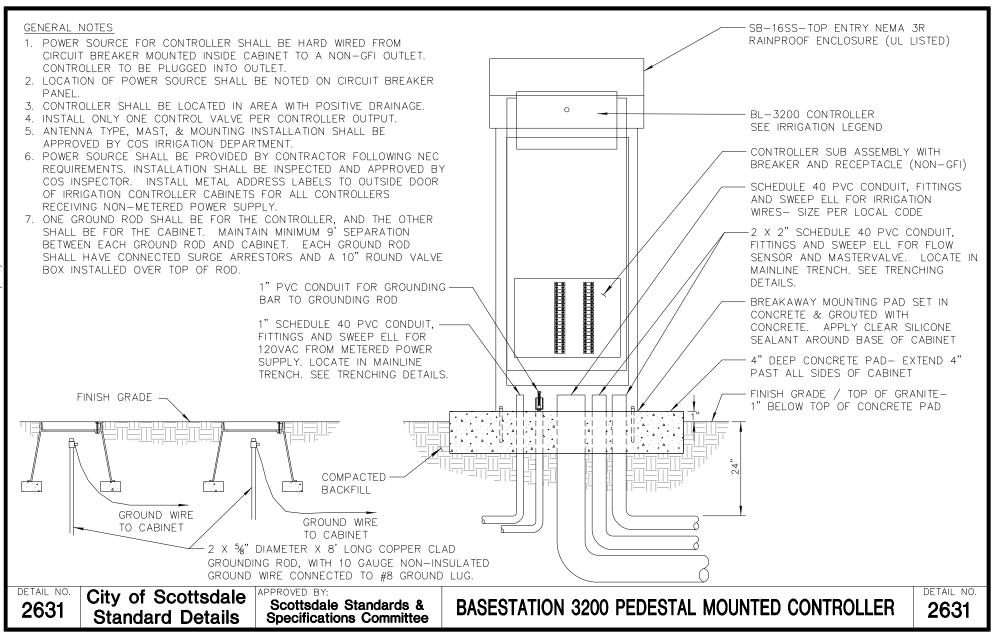




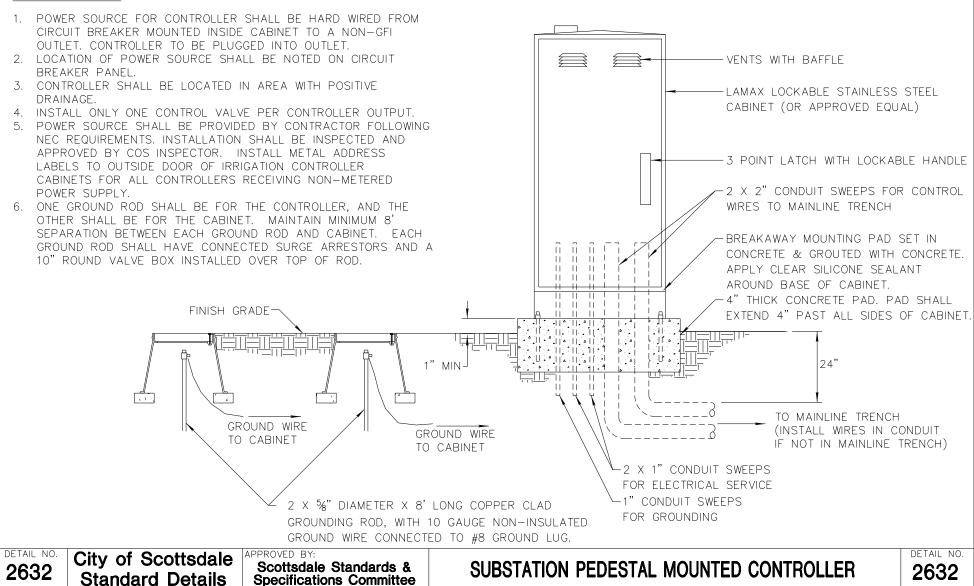
EVISED 10/23/19





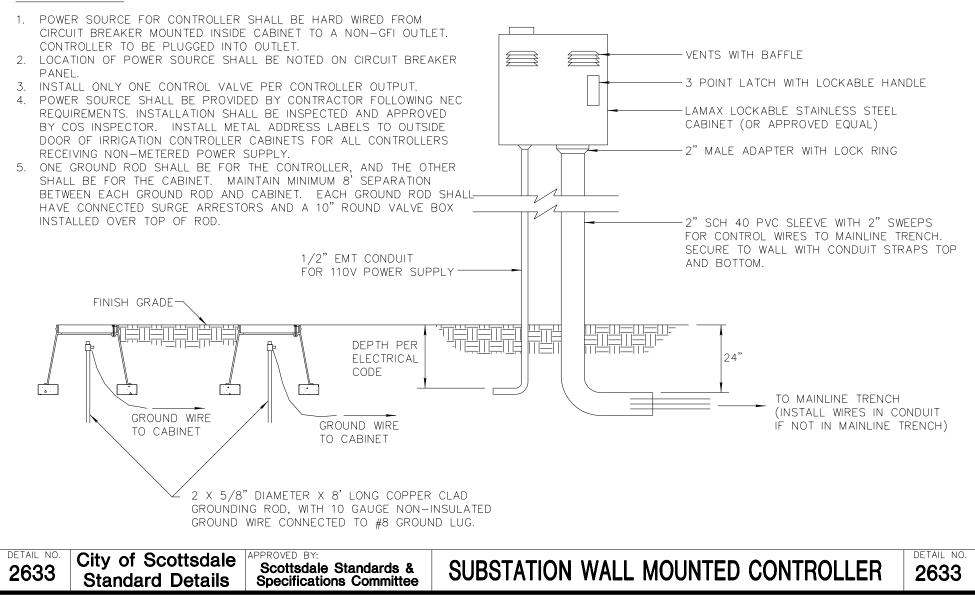


GENERAL NOTES

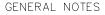


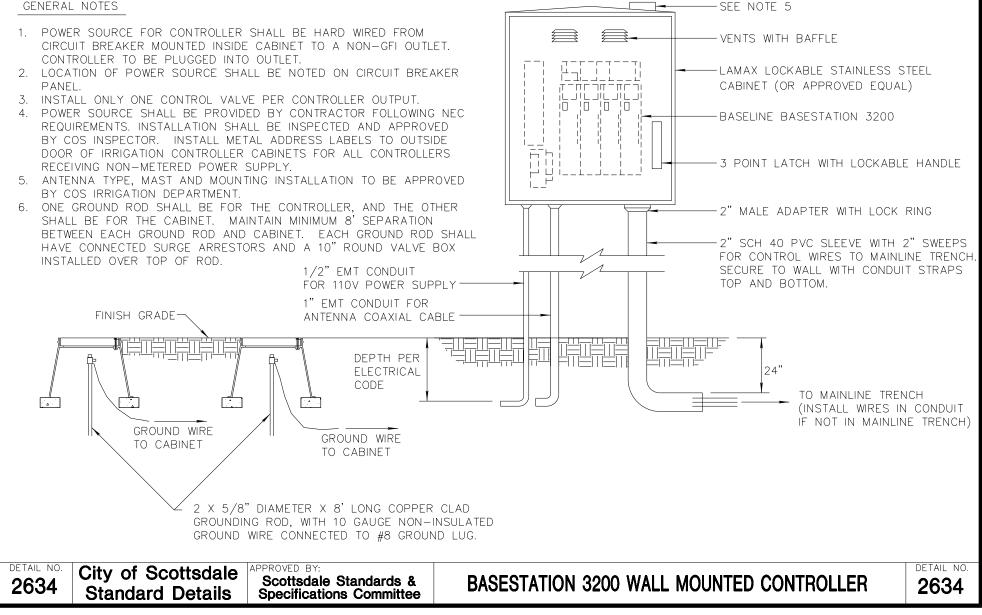
REVISED 5/22/19

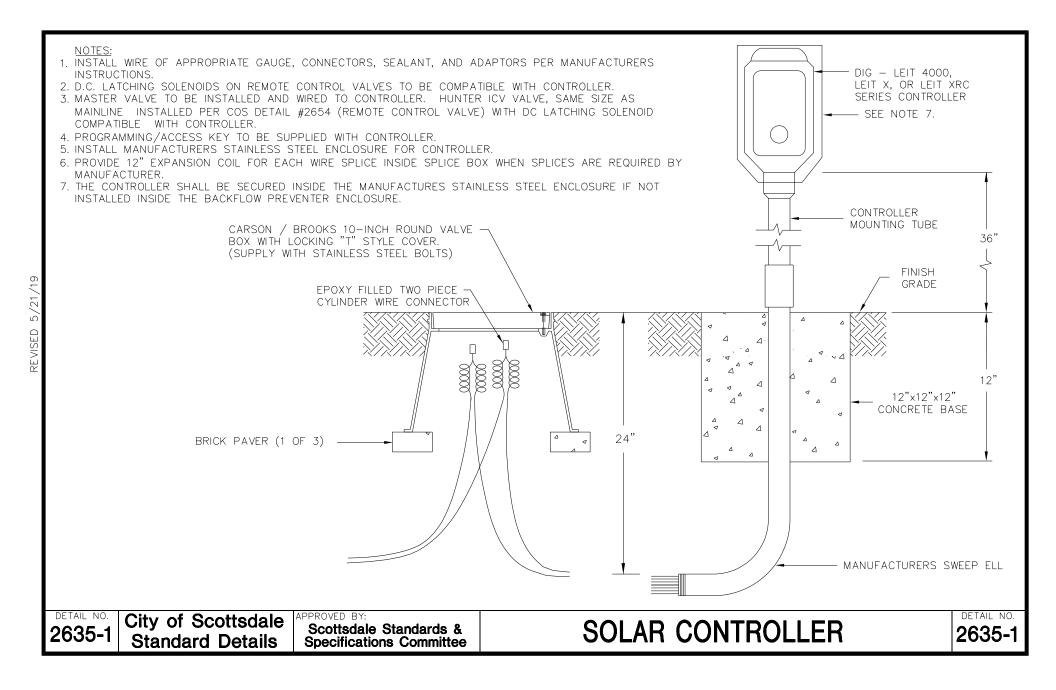


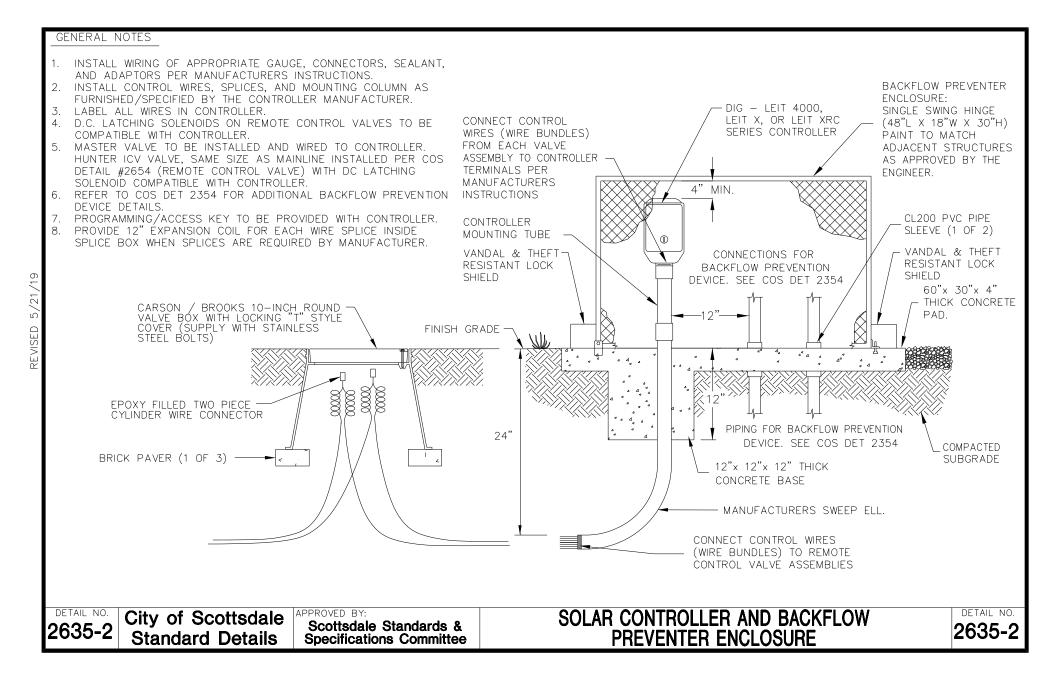


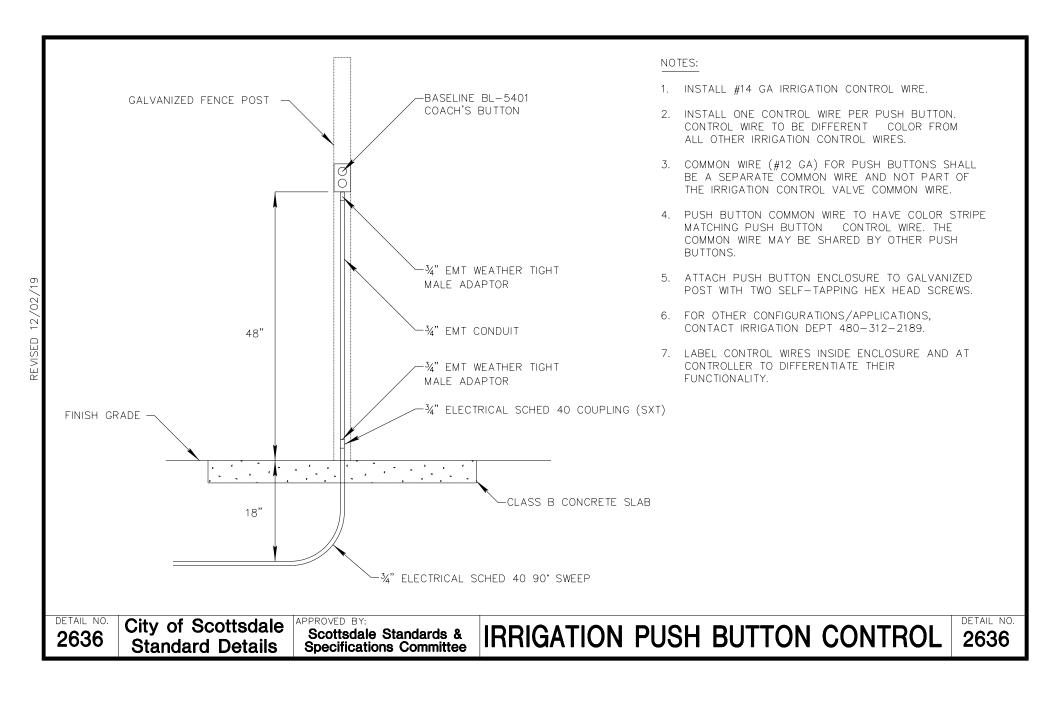
REVISED 5/23/19

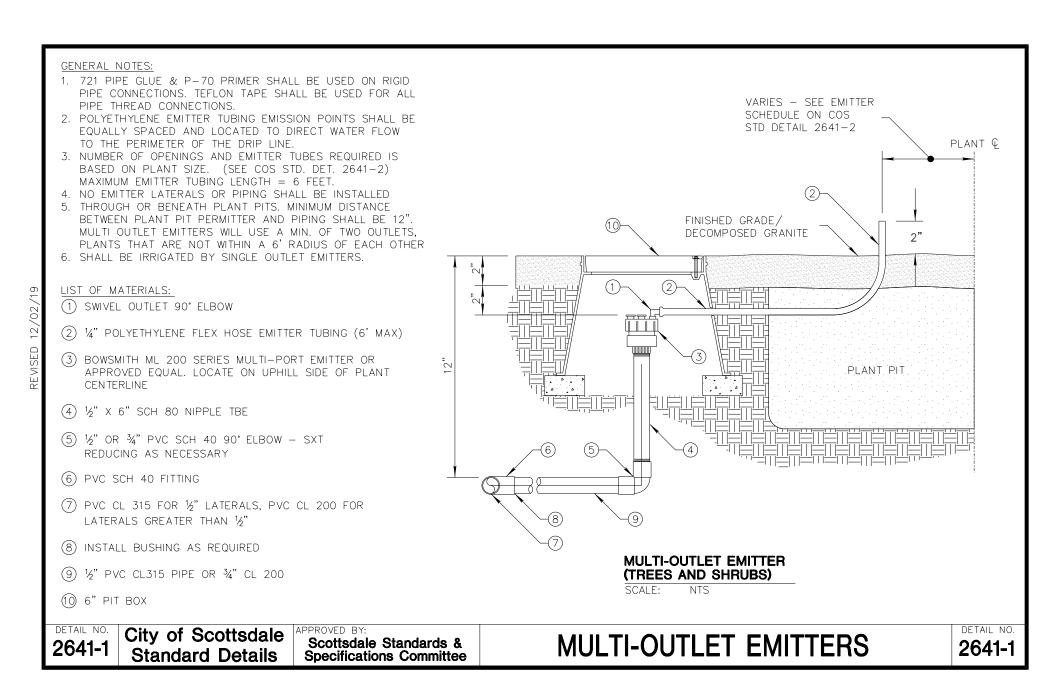


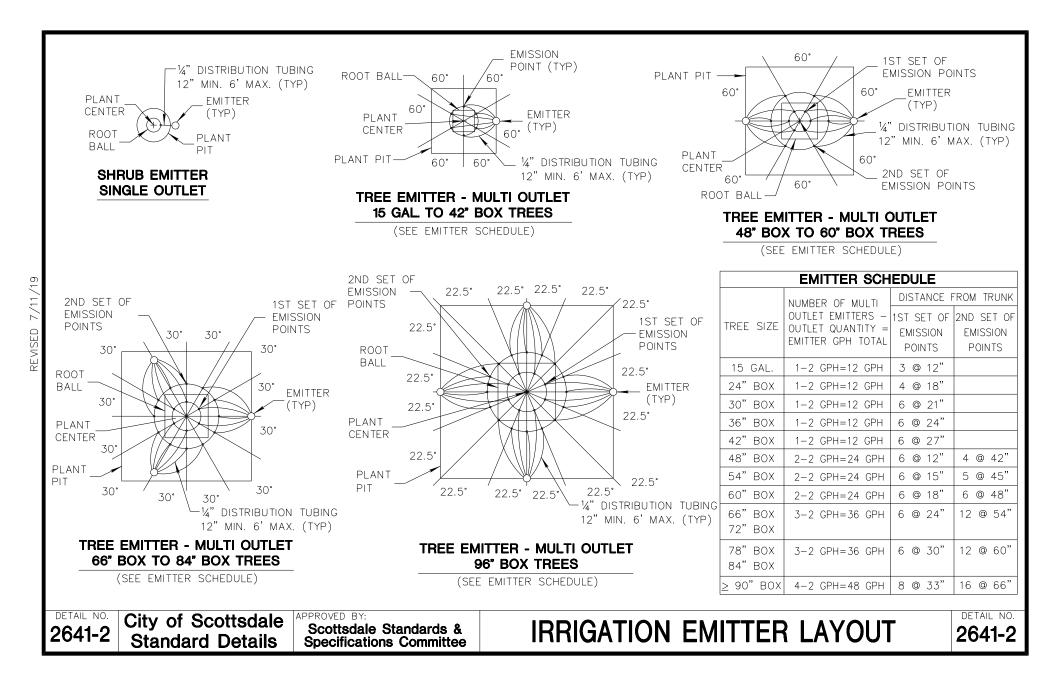


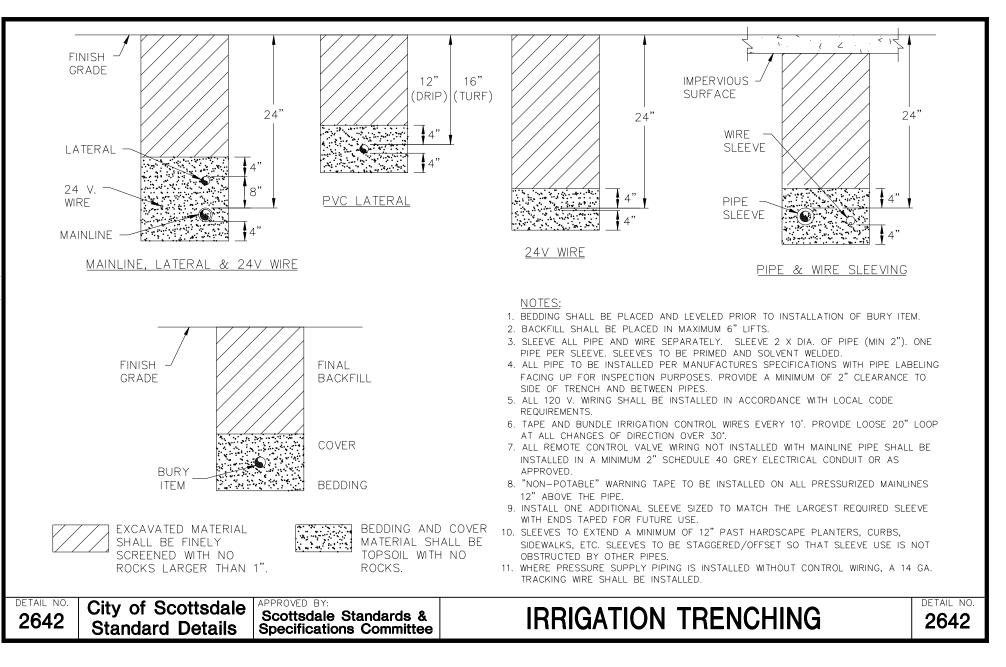


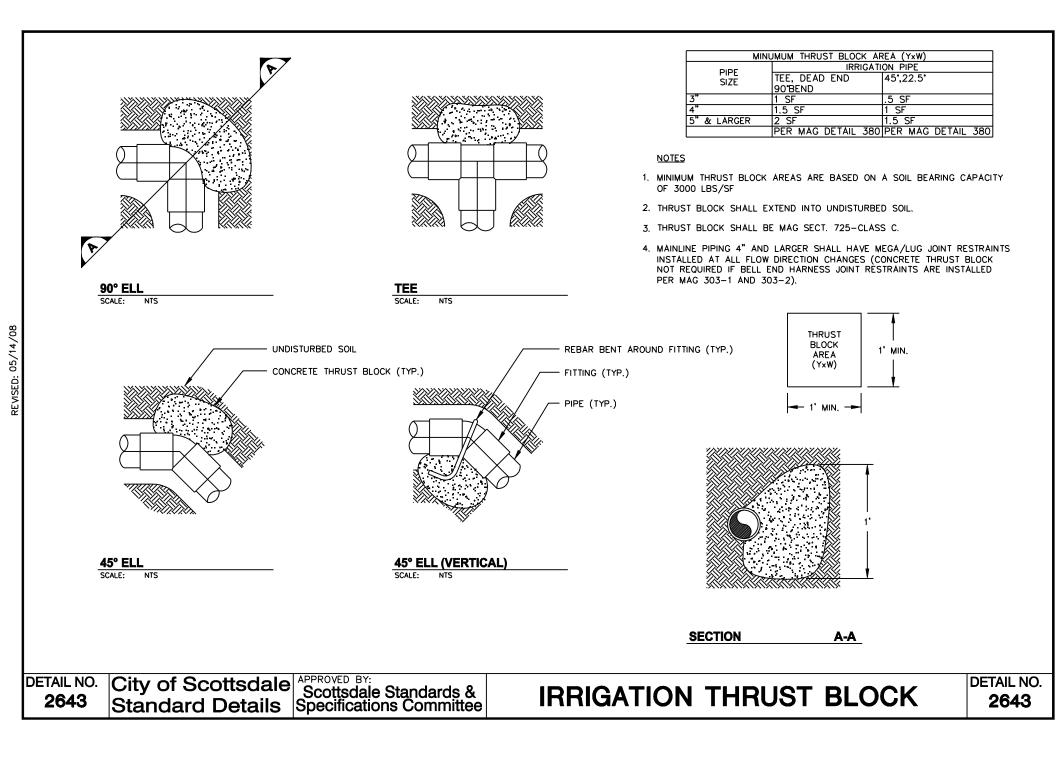


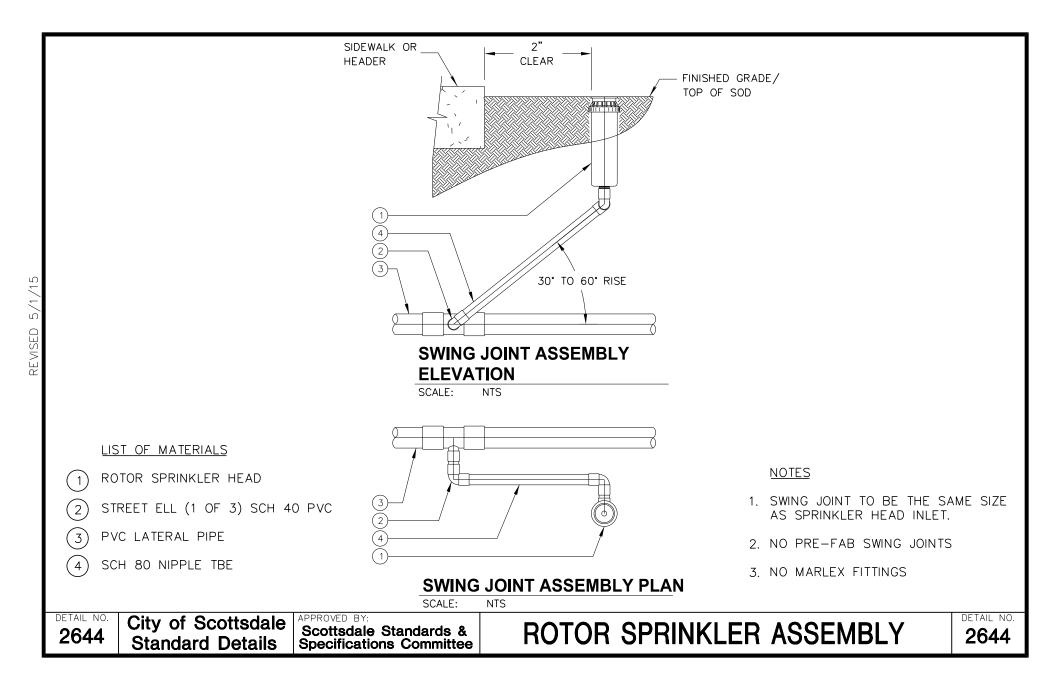


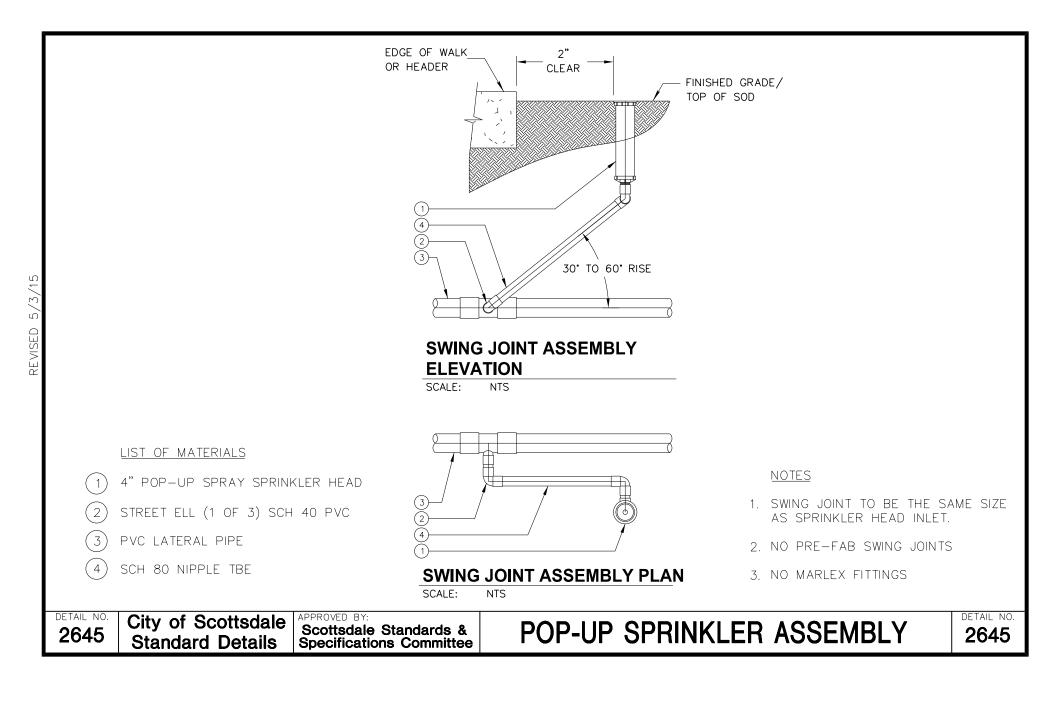


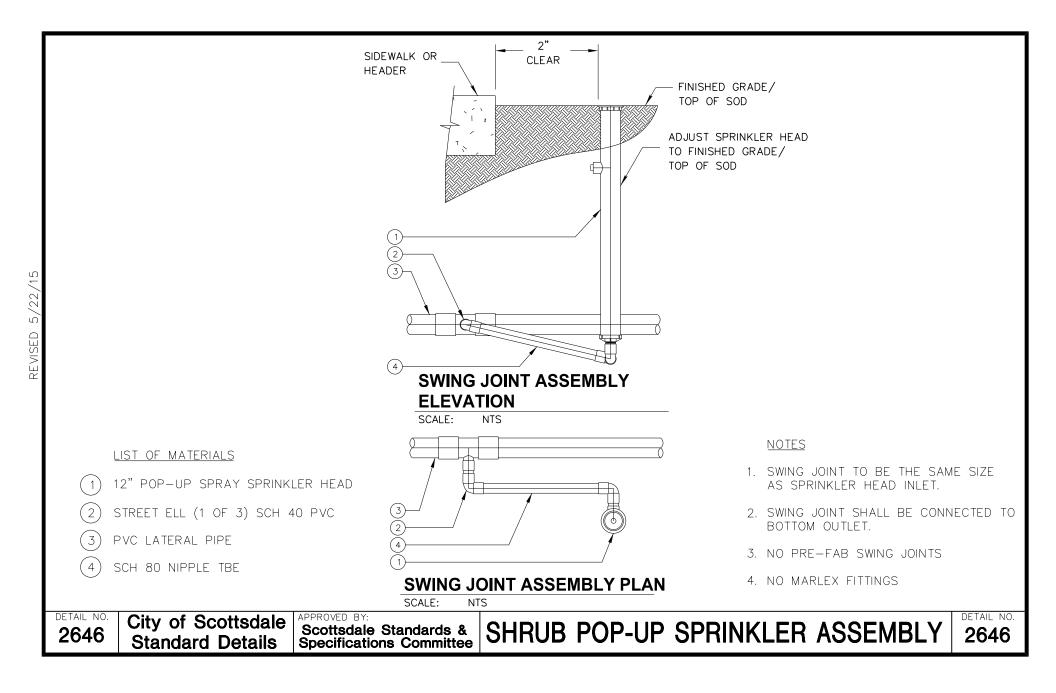


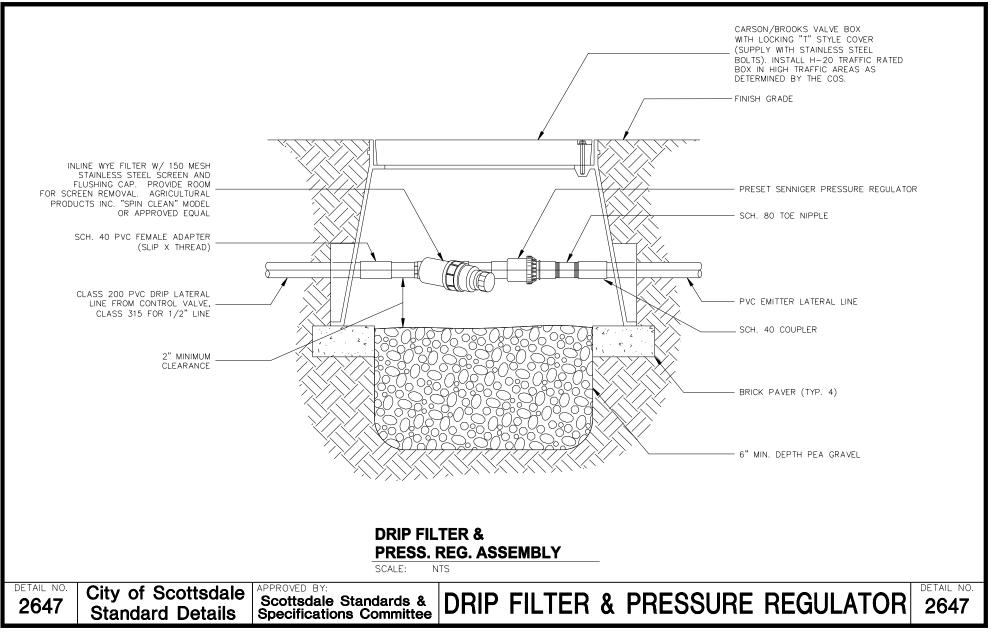


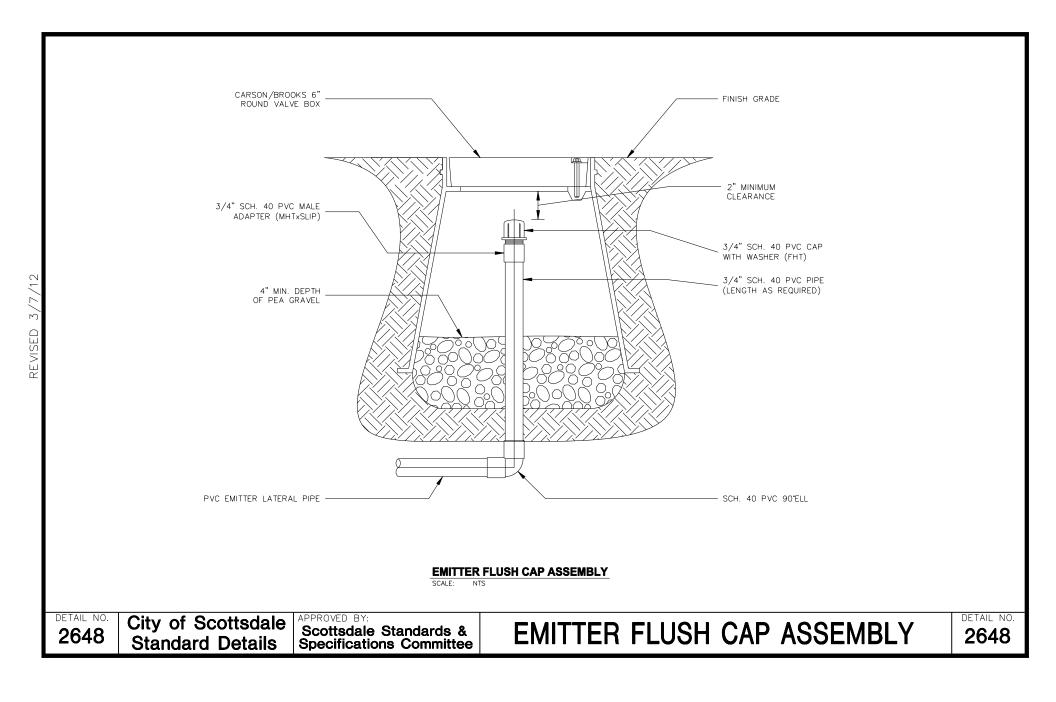


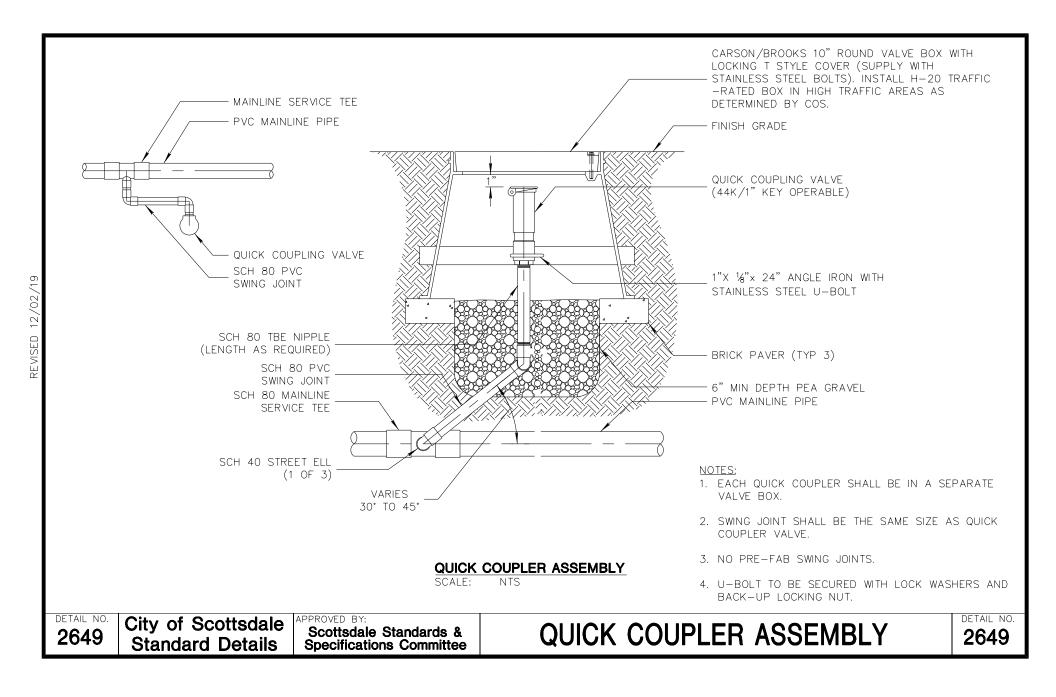


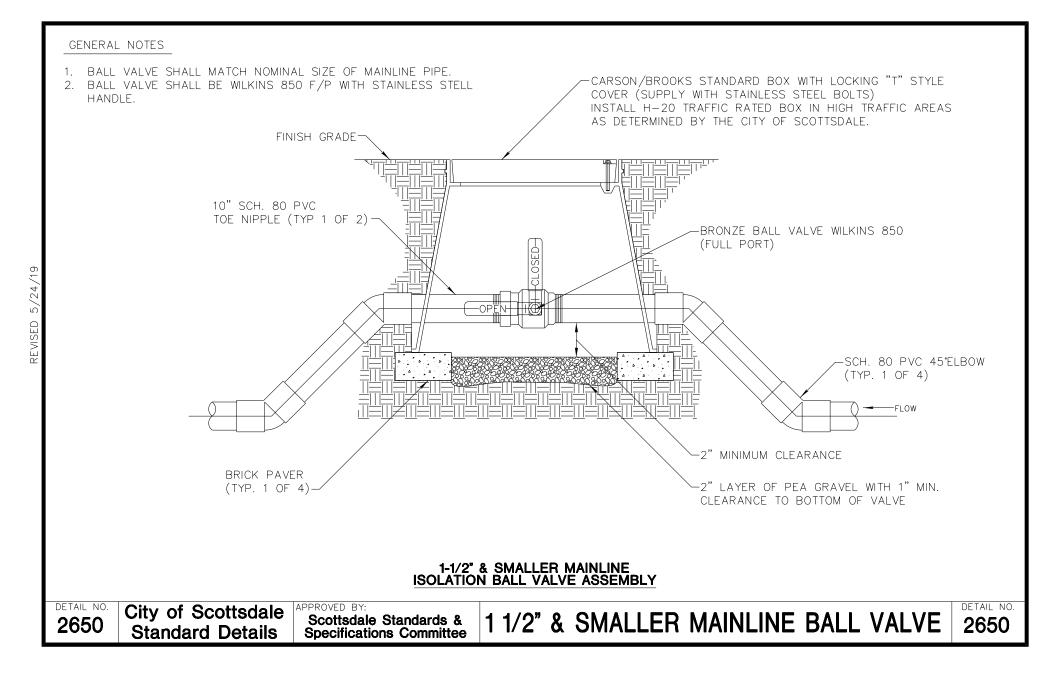


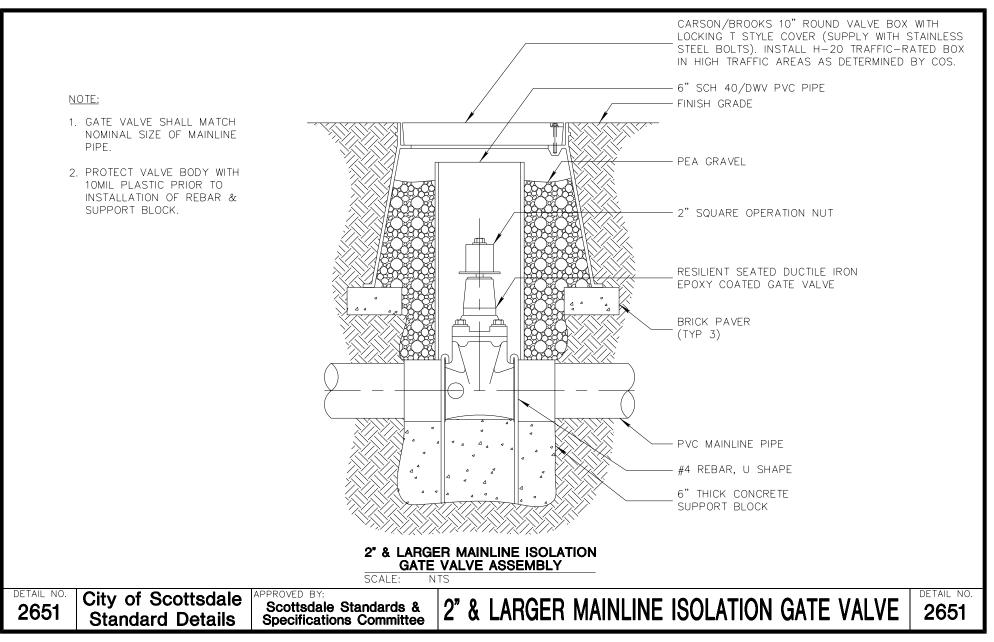




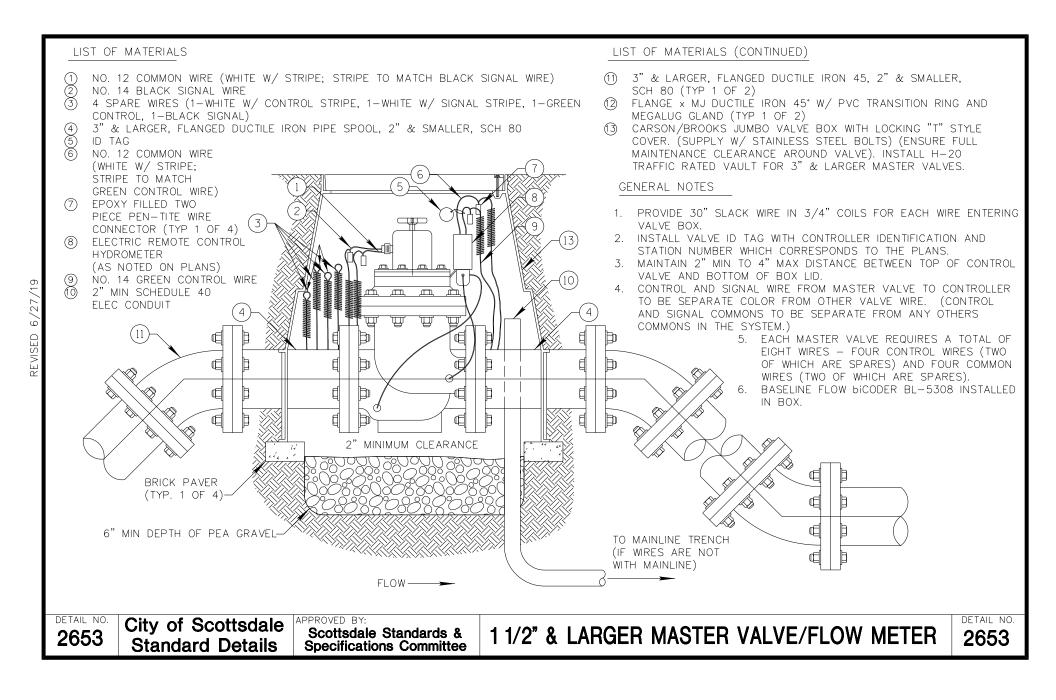


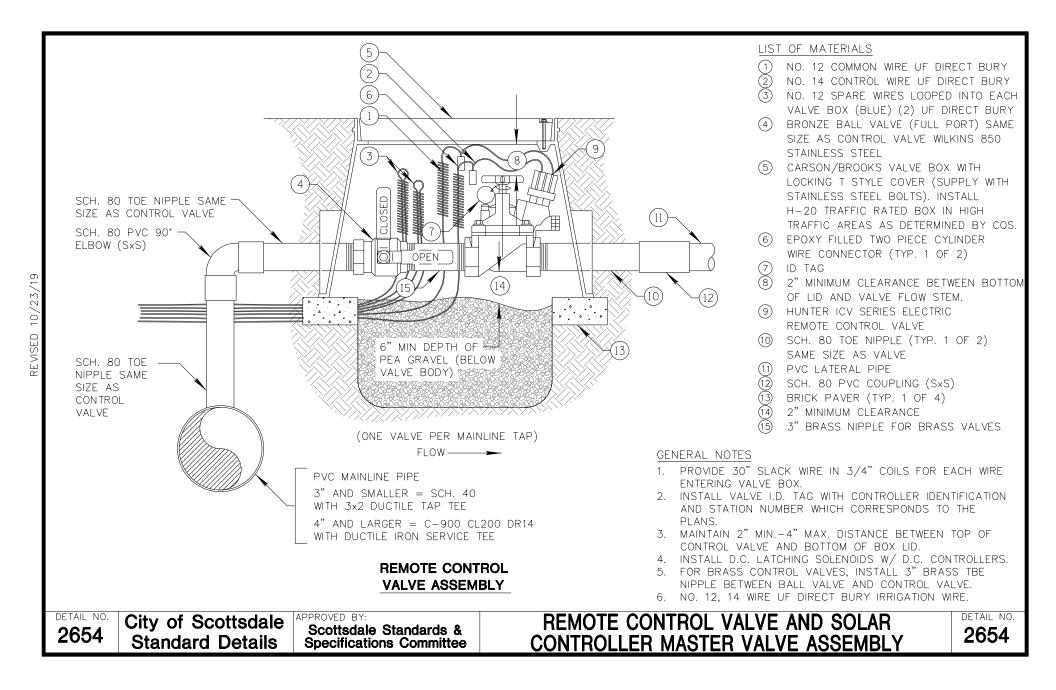


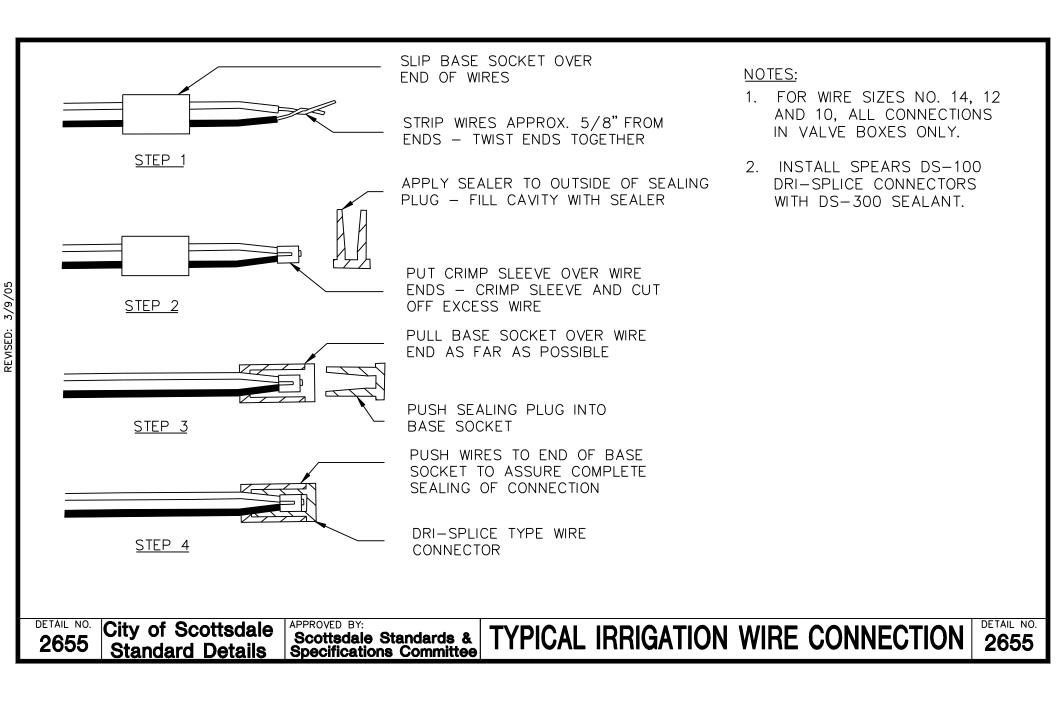




REVISED 12/02/19







WIRE SIZE (AWG)	TO BE IN	NUMBER ISTALLED I E 40 PVC 2–1/2"	ΝA	WIRE SIZE (AWG)
14	25	40	56	14
12	20	33	50	12

<u>NOTE:</u>

1. ALL WIRE SLEEVES TO BE SHC. 40 PVC AND SHALL BE INSTALLED WITH A MINIMUM OFFSET AT THE JOINTS TO PERMIT EASY INSTALLATION AND REMOVAL OF CONTROL AND COMMON WIRES. ALL WIRES SHALL BE INSTALLED IN SLEEVES UNDER THE PAVED AREAS. SLEEVES SHALL EXTEND AT LEAST 12" BEYOND THE EDGES OF THE PAVEMENT. SIZE OF SLEEVES SHALL BE AS SHOWN.



APPROVED BY: Scottsdale Standards & Specifications Committee

IRRIGATION WIRE SLEEVING CHART



