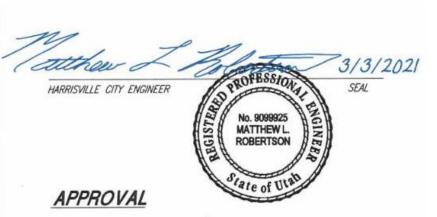
# HARRISVILLE CITY CORPORATION PUBLIC WORKS STANDARD DRAWINGS

# SUBMITTED & RECOMMENDED











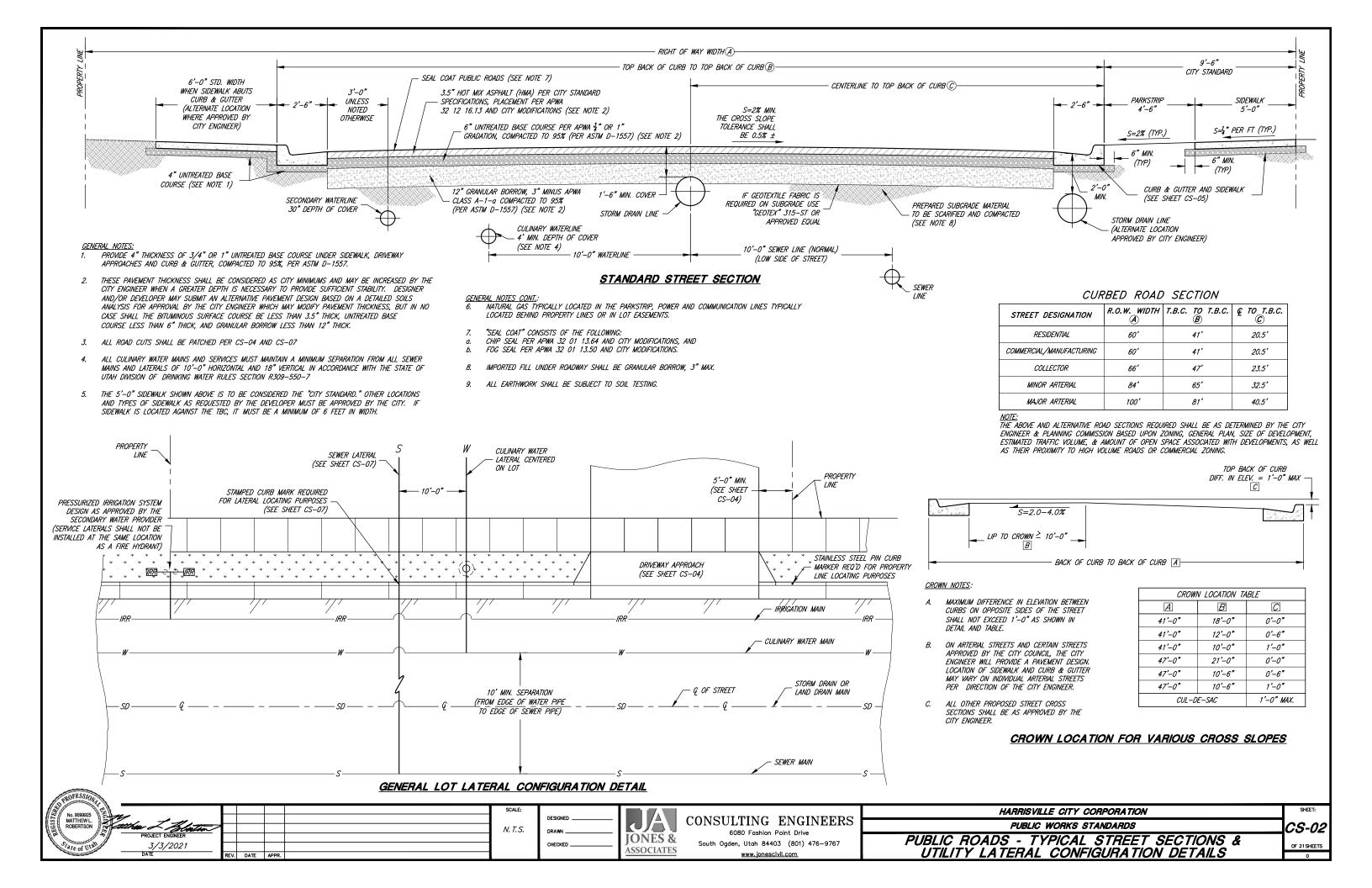


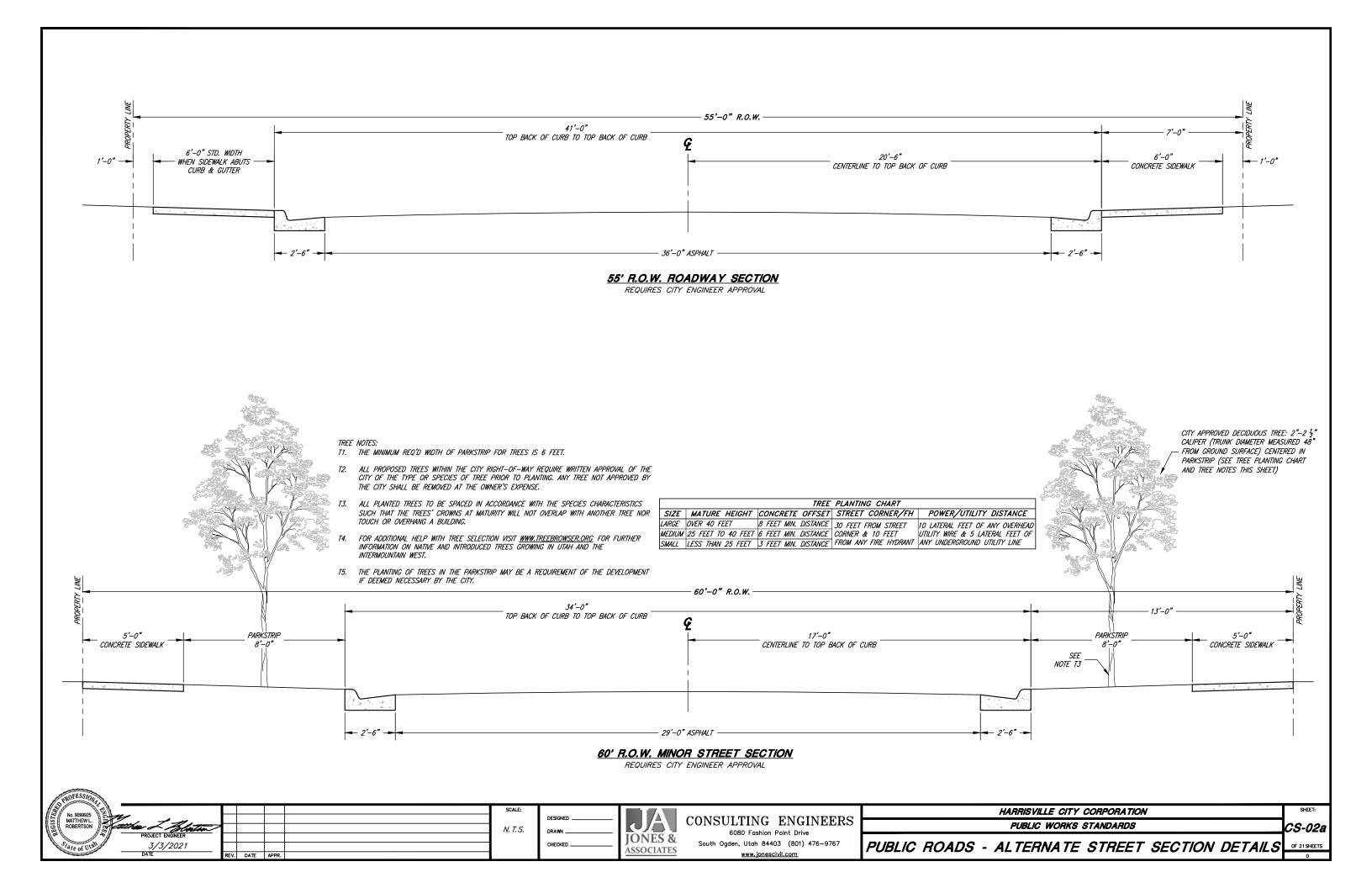
MARCH 3, 2021

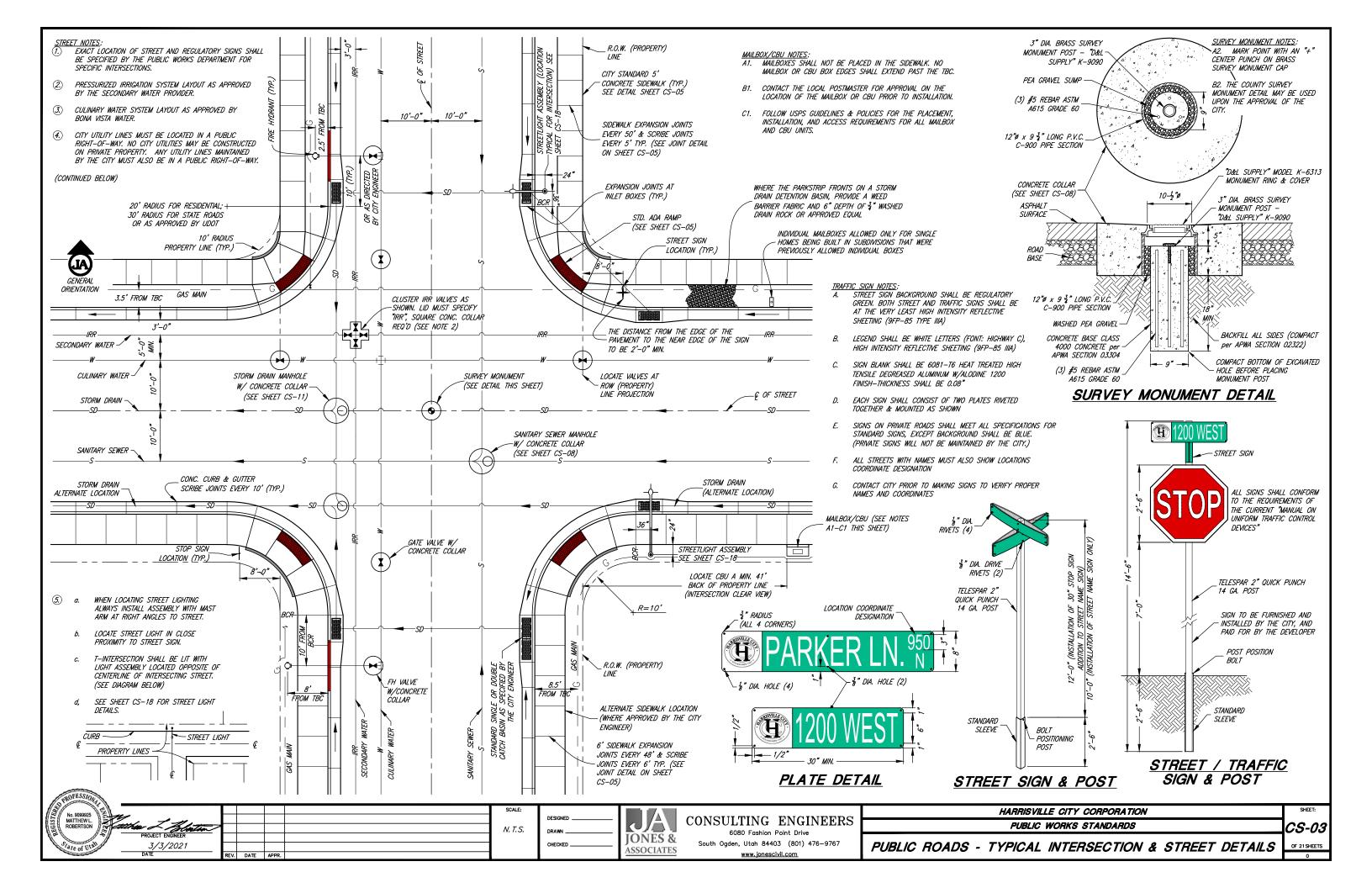
# Index of Drawings

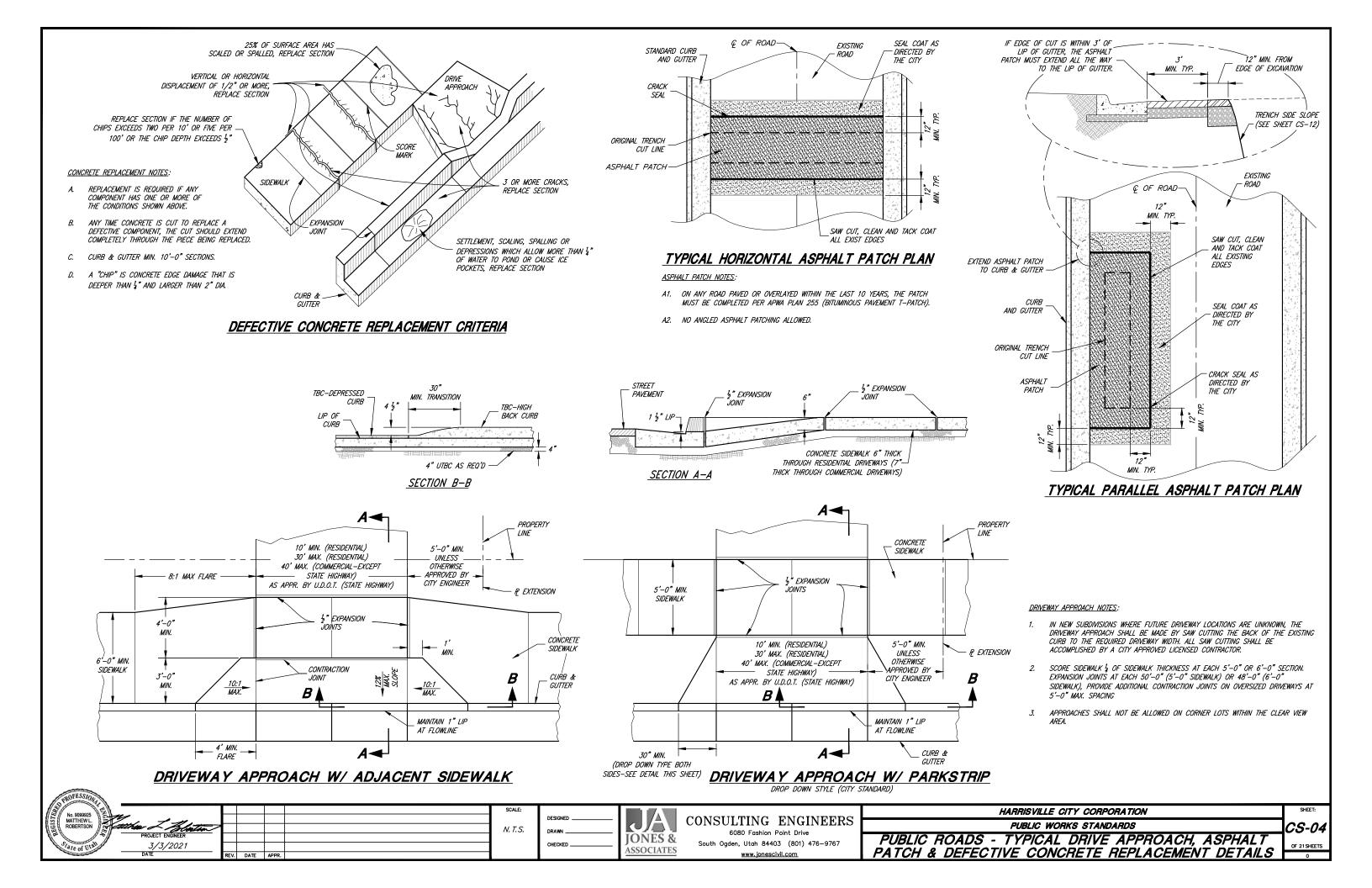
- CS-01 TITLE PAGE & INDEX OF DRAWINGS
- CS-02 PUBLIC ROADS TYPICAL STREET SECTIONS & UTILITY LATERAL CONFIGURATION DETAILS
- CS-02a PUBLIC ROADS ALTERNATE STREET SECTION DETAILS
- CS-03 PUBLIC ROADS TYPICAL INTERSECTION & STREET DETAILS
- CS-04 PUBLIC ROADS TYPICAL DRIVE APPROACH, ASPHALT PATCH & DEFECTIVE CONCRETE
  REPLACEMENT DETAILS
- CS-05 PUBLIC ROADS TYPICAL ADA RAMP, SIDEWALK, CURB & GUTTER, AND CONCRETE JOINT
  DETAILS
- CS-06 PUBLIC ROADS CUL-DE-SAC & TEMPORARY TURNAROUND DETAILS
- CS-07 SANITARY SEWER SEWER LATERAL & MAIN LINE CONNECTION DETAILS
- CS-08 SANITARY SEWER TYPICAL MANHOLES & DETAILS
- CS-09 STORM DRAIN SINGLE AND DOUBLE CATCH BASIN DETAILS
- CS-10 STORM DRAIN DRAINAGE INLET BOX AND GRATE AND FRAME DETAILS
- CS-11 STORM DRAIN TYPICAL MANHOLE AND CLEANOUT DETAILS
- CS-12 STORM DRAIN LARGE DETENTION BASIN DETAILS
- CS-13 STORM DRAIN SMALL DETENTION BASIN DETAILS
- CS-14 SECONDARY WATER TYPICAL SERVICE LATERALS
- CS-15 SECONDARY WATER AIR/VAC, DRAIN, CONCRETE COLLAR, AND GATE VALVE DETAILS
- CS-16 SECONDARY WATER PUMP CONTROL & FILTER STATION DETAILS
- CS-16a SECONDARY WATER PUMP CONTROL & FILTER STATION DETAILS
- CS-16b SECONDARY WATER PUMP CONTROL & FILTER STATION DETAILS
- CS-17 GENERAL CHAIN LINK FENCE DETAILS
- CS-18 GENERAL STREET LIGHTING DETAILS





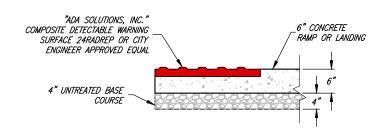






### DETECTABLE WARNING SURFACE NOTES:

- LOCATE THE DETECTABLE WARNING SURFACE SO THE OUTSIDE CORNER NEAREST THE STREET IS WITHIN 1 INCH OF THE BACK OF CURB (TBC). PROVIDE 2-FOOT MINIMUM
- 2. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF CURB CUT.
- 3. THE DETECTABLE WARNING SURFACE DOMES SHALL BE ORIENTED SUCH THAT THE ROWS ARE PARALLEL WITH THE DIRECTION OF PEDESTRIAN TRAVEL TO THE RAMP ON THE OPPOSITE SIDE OF THE STREET.
- THE STANDARD COLOR FOR THE DETECTABLE WARNING SURFACE SHALL BE RED OR PRE-APPROVED CONTRASTING COLOR. WHEN THE EXISTING SIDEWALK COLOR IS NOT STANDARD CONCRETE, THE COLOR OF THE DETECTABLE WARNING SURFACE SHALL BE DETERMINED BY THE CITY ENGINEER OR AUTHORIZED REPRESENTATIVE.
- 5. WHEN A DETECTABLE WARNING SURFACE DOME IS CUT, THE REMAINING PORTION OF THE DOME SHALL BE BEVELED TO A MAXIMUM SLOPE OF 1:2.



#### **GUTTER** 8" THICK UTBC REQ'D ─ L#4 BARS @ 36" O.C. CROSS DRAIN SECTION (FOR REPLACEMENTS ONLY - SPECIAL CASE APPROVAL REQUIRED FOR NEW CONSTRUCTION) TRANSITION TURNING SPACE NO LIP AT 2% MAX. CURB CUT THICK CROSS SLOPE CURR WALL SLOPE 1:12 (MAX.) ON RAMP FLATTEN SLOPE AT 2% (MAX.) ON LANDING 4" UNTREATED GUTTER TO 5% FOR -BASE COURSE

CONCRETE

BEVEL ASPHALT EDGE

- ½" MAX

AT RAMP AS SHOWN

WIDTH OF RAMP

4'-6"

ASPHALT

PAVEMENT

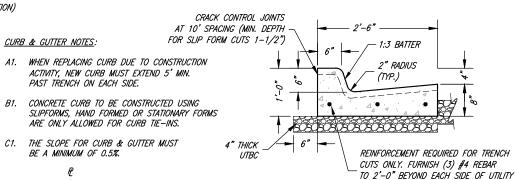
MAX GRADE

SECTION A-A

FIBER REINFORCED CONCRETE (TYP.) 2% CROSS SLOPE TO CURB 4" THICK REINFORCEMENT REQUIRED FOR TRENCH 4" (TYP.) 6" THICK AT ADA RAMPS CUTS ONLY. FURNISH (5) #4 REBAR TO\_ (SEE CS-04 FOR 2'-0" BEYOND EACH SIDE OF UTILITY THICKNESS REQUIRED TRENCH CUT (TYP.) AT DRIVEWAYS)

# SIDEWALK SECTION

(CITY STANDARD)



# CURB & GUTTER SECTION

# TOOLED OR SAW CUT JOINT 1/2" THICK PREMOULDED ASPHALT & FELT OR \_(1 " WIDE. MIN.) ASPHALT & FIRER EXPANSION JOINT. **EXPANSION JOINT**

TRENCH CUT (TYP.)

# JOINT DETAIL

- INSTALLATION TOLERANCES ON CURB & GUTTER AND SIDEWALK PER APWA 32 16 13. 3.7.
- B2. AS-BUILT SURVEY MAY BE REQUIRED TO VERIFY COMPLIANCE WITH TOLERANCES.
- C2. GRINDING OF CONCRETE, TO MEET TOLERANCES, WILL NOT BE ALLOWED.

ADA RAMP-DETAIL "B" REQUIRES CITY ENGINEER APPROVAL (WITHOUT PARK STRIP)

\_5-#5 @ 1'-0" O.C. (TYP.)

PAST TRENCH ON EACH SIDE.

BE A MINIMUM OF 0.5%.

SCRIBE SIDEWALK

CURB & GUTTER NOTES:

3'-6"

# DETECTABLE WARNING SURFACE DETAIL

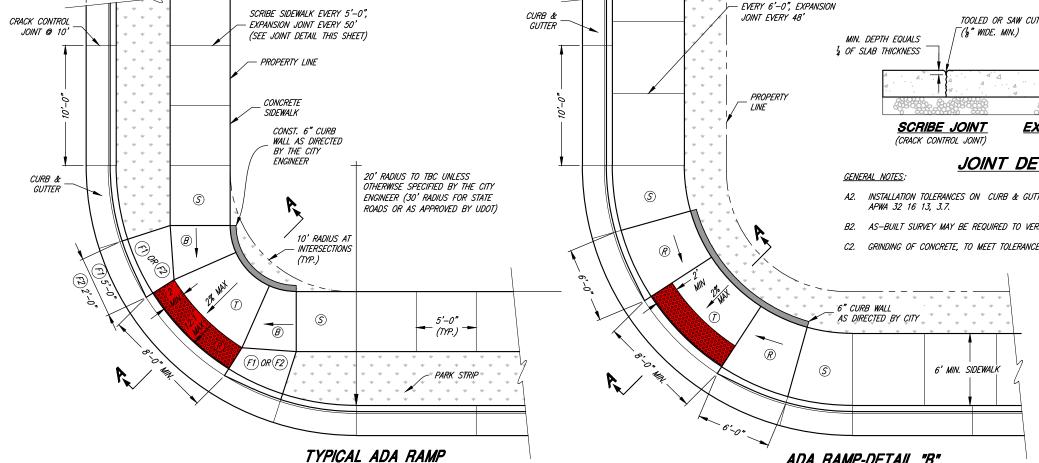
### ADA RAMP NOTES:

- WHERE DESIGNATED BY THE CITY. ALTERNATE UDOT OR APWA RAMP DESIGNS MAY BE USED WITH THE PRIOR APPROVAL OF THE CITY ENGINEER AND THE CITY PUBLIC WORKS DEPARTMENT. SUBMIT ENGINEERED CONSTRUCTION PLANS TO CITY ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION.
- SITE CONDITIONS WILL VARY, CONFIGURATION OF RAMP, LANDING, AND TRANSITION MAY BE CHANGED. BUT THEY MUST MEET DIMENSIONS AND SLOPES AS SHOWN IN THE MOST RECENT EDITION OF THE U.D.O.T. STANDARDS & SPECIFICATIONS (SHEETS PA1 THROUGH PA5). THE USE OF FLARES, CURB WALLS, ETC. ARE AT THE DISCRETION OF THE ENGINEER.
- LOCATE CURR CUT WITHIN CROSSWALK.
- RAMP GRADE BREAK MUST BE PERPENDICULAR TO THE RUNNING
- DIRECTIONAL (DUAL PARALLEL) RAMPS ARE REQUIRED ON COLLECTOR AND ARTERIAL ROADS.

	SLOPE TABLE						
	ITEM	MAX RUNNING SLOPE*	MAX. CROSS SLOPE*				
7	TURNING SPACE 2	2% (1V:48H)	2% (1V:48H)				
R	RAMP	8.3% (1V:12H)	2% (1V:48H)				
<u>S</u>	SIDEWALK	5% (1:20) <sup>1</sup>	2% (1V:48H)				
F1	TRAVERSABLE SURFACE	10% (1V:10H)					
<i>F</i> 2	NON-TRAVERSABLE SURFACE	25% (1V:4H)					
$\mathcal{B}$	BLENDED TRANSITION	5% (1V:20H) 2% MIN.	2% (1V:48H)				

- \* RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. CROSS
- 1 5% MAX OR NATURAL SLOPE OF LAND
- <sup>2</sup> NOT TO EXCEED 2% IN ANY DIRECTION

No. 9099925 MATTHEW L. ROBERTSON



SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL.

DESIGNED N. T.S. CHECKED 3/3/2021

**JONES &** ASSOCIATES

CITY STANDARD - FOR RESIDENTIAL ROADWAYS AND REPLACEMENTS ONLY

(SEE ADA RAMP NOTE E)

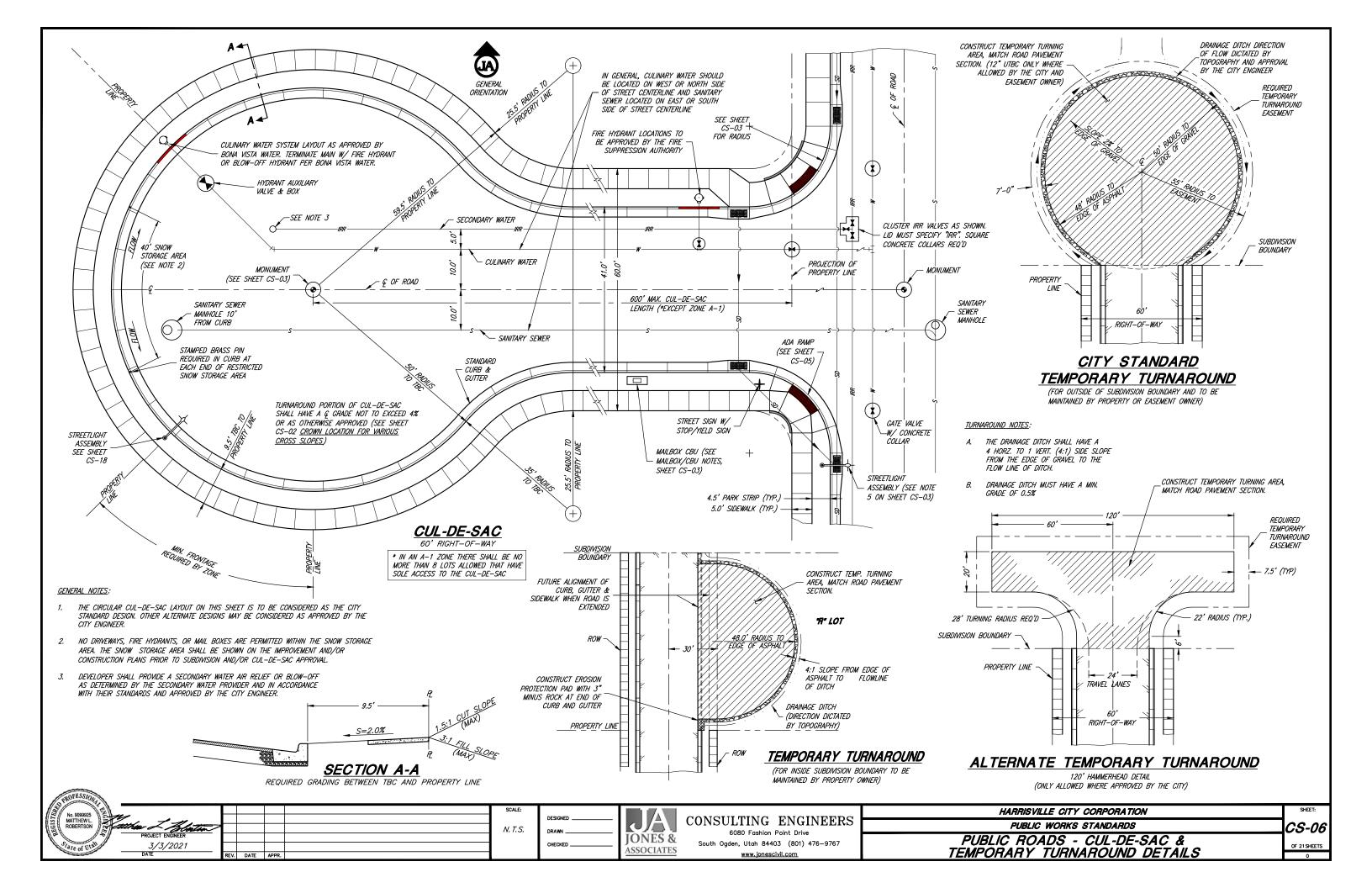
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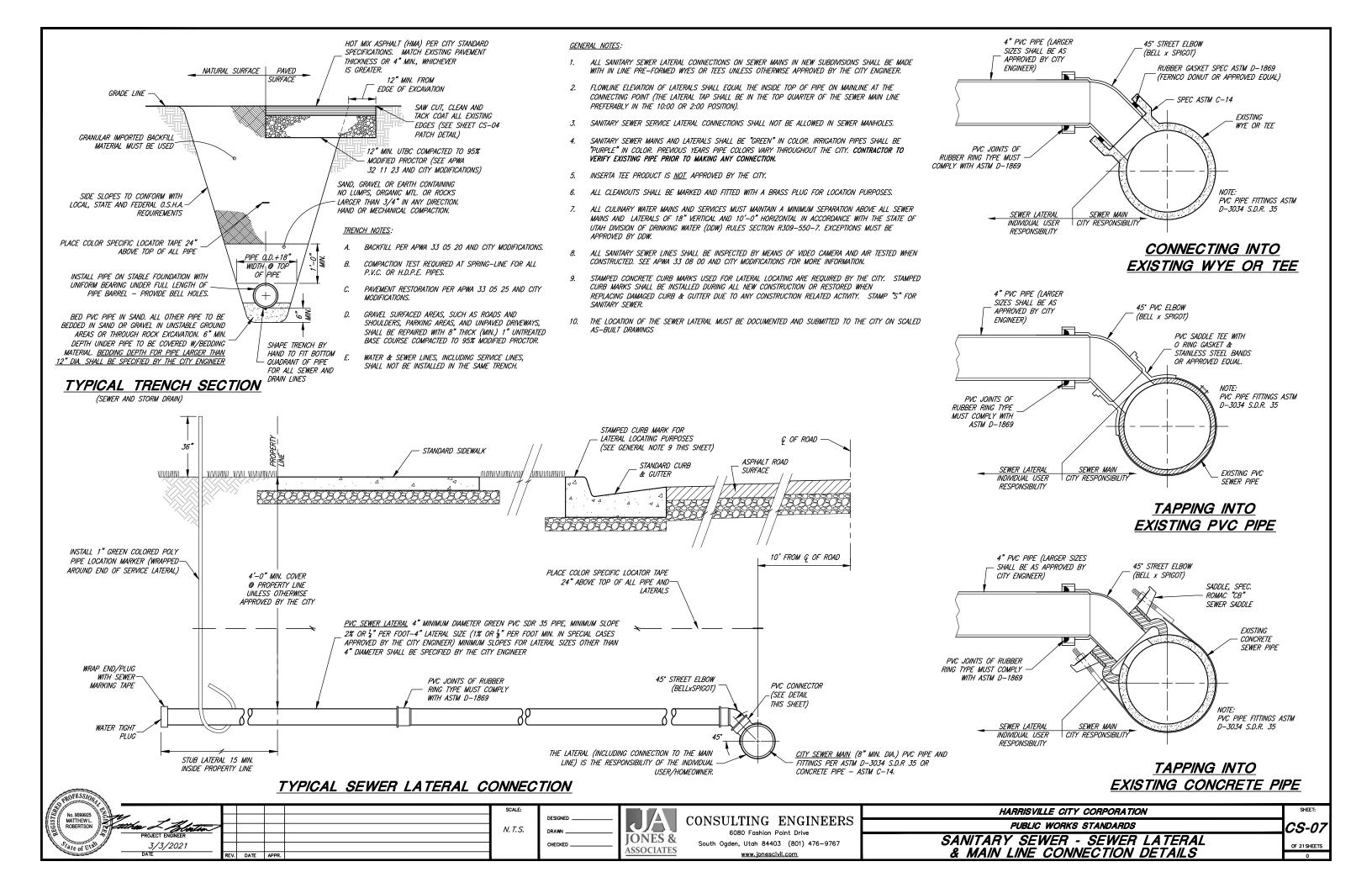
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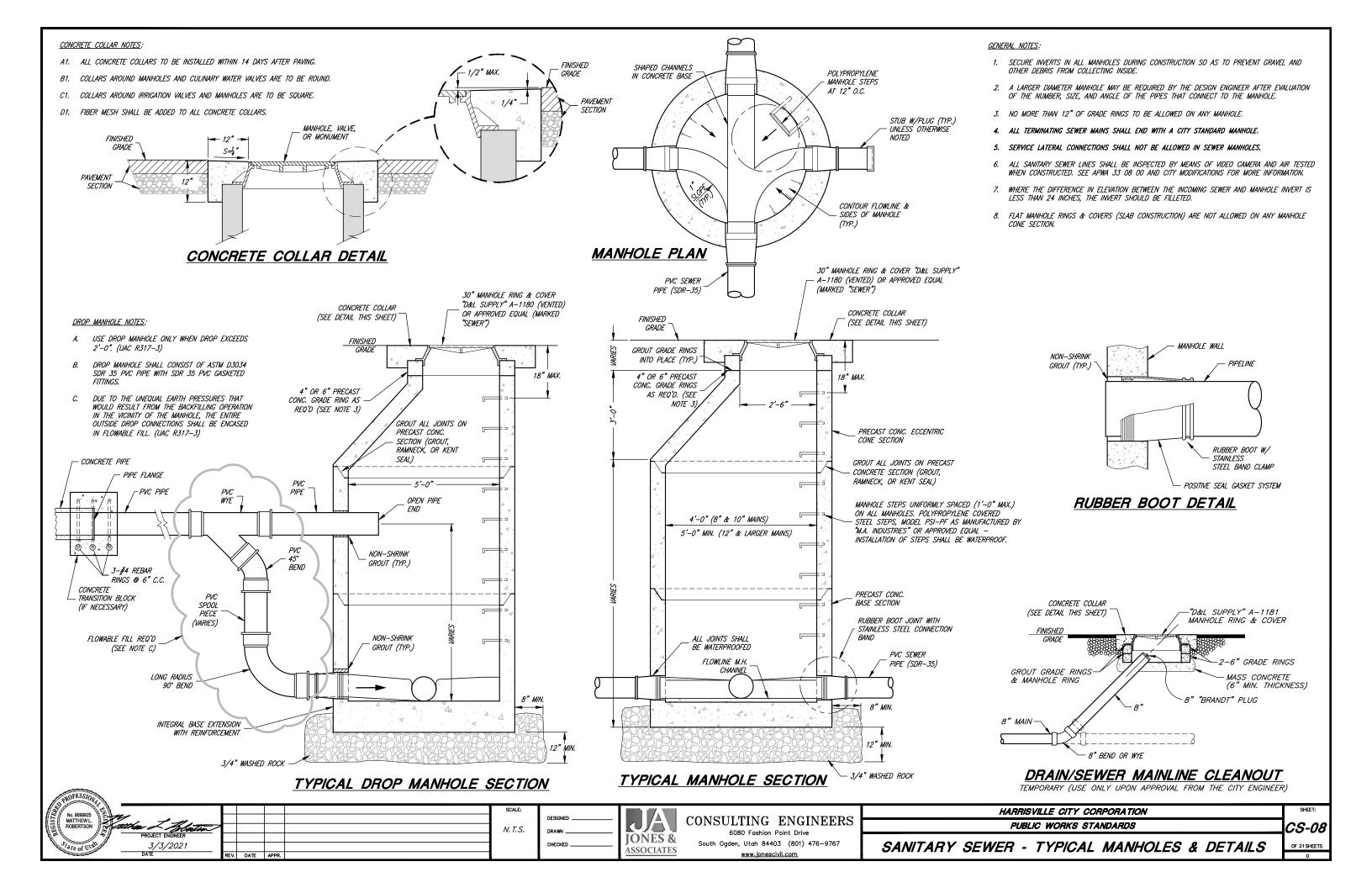
**PUBLIC WORKS STANDARDS** PUBLIC ROADS - ADA RAMP, SIDEWALK, CURB & GUTTER, AND CONCRETE JOINT DETAILS

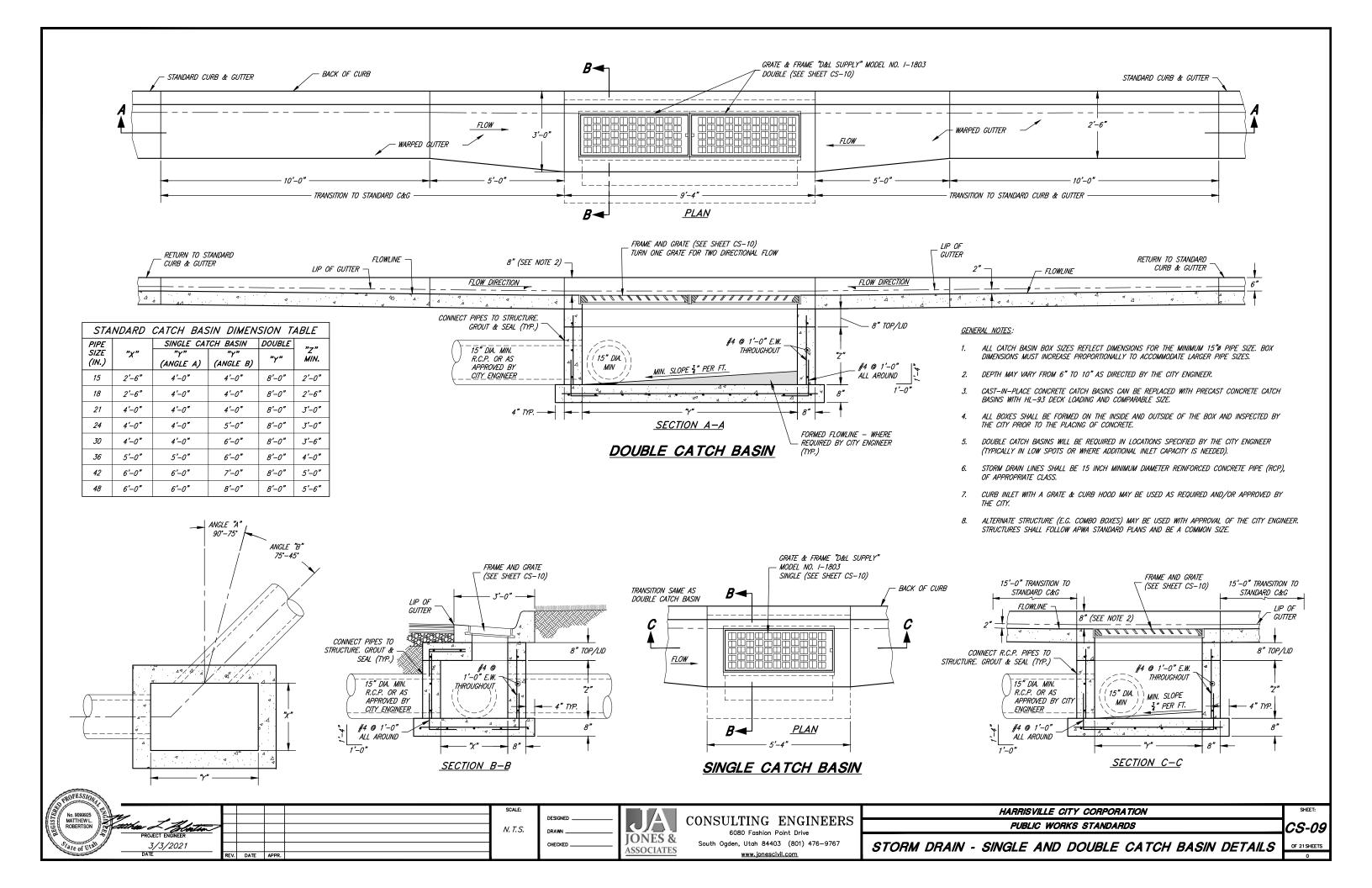
HARRISVILLE CITY CORPORATION

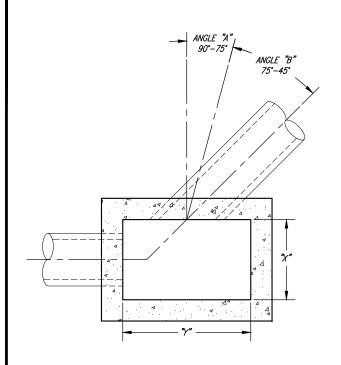
CS-05 OF 21 SHEETS







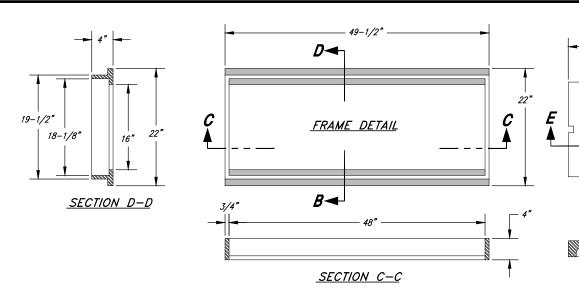




DRAINAGE DITCH INLET BOX DIMENSION TABLE					
PIPE SIZE (IN.)	"X"	INLET BOX "Y" "Y" (ANGLE A) (ANGLE B)		"Z" MIN.	
15	2'-6"	4'-0"	4'-0"	2'-0"	
18	2'-6"	4'-0"	4'-0"	2'-6"	
21	4'-0"	4'-0"	4'-0"	3'-0"	
24	4'-0"	4'-0"	5'-0"	3'-0"	
30	4'-0"	4'-0"	6'-0"	3'-6"	
36	5'-0"	5'-0"	6'-0"	4'-0"	
42	6'-0"	6'-0"	7'-0"	5'-0"	
48	6'-0"	6'-0"	8'-0"	5'-6"	

### **GENERAL NOTE**:

STORM DRAIN LINES SHALL BE 15 INCH MINIMUM DIAMETER REINFORCED CONCRETE PIPE (RCP), OF APPROPRIATE CLASS.



# FRAME & GRATE DETAILS

### FRAME AND GRATE NOTES:

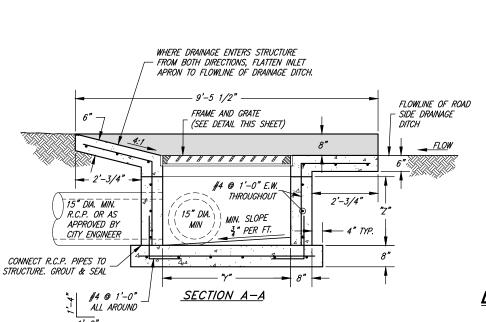
SECTION E-E

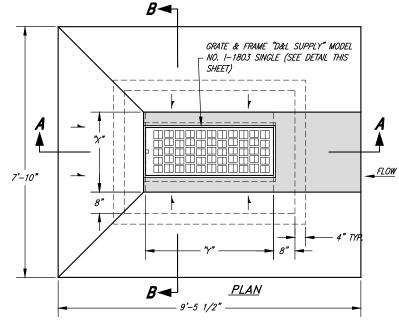
GRATE DETAIL

- A1. GRATE AND FRAME SHALL BE AS MANUFACTURED BY "D&L SUPPLY" I-1803
- B1. BICYCLE SAFE GRATE REQUIRED.
- C1. "OR EQUAL" GRATES AND FRAMES WILL BE CONSIDERED AS APPROVED BY THE CITY ENGINEER.

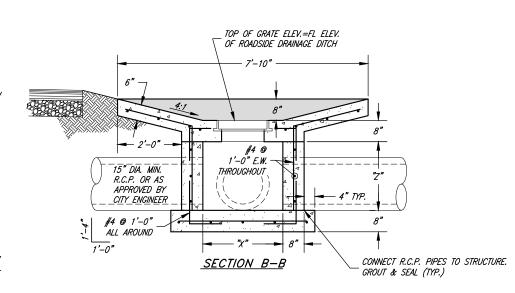
### <u>DRAINAGE BOX NOTES</u>:

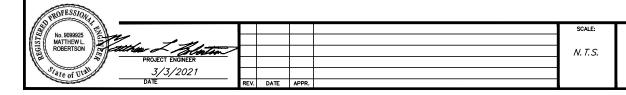
- 1. ALL BOX SIZES REFLECT DIMENSIONS FOR THE MINIMUM 15"Ø PIPE SIZE. BOX DIMENSIONS MUST INCREASE PROPORTIONALLY TO ACCOMMODATE LARGER PIPE SIZES. (SEE TABLE THIS SHEET)
- 2. CAST-IN-PLACE CONCRETE STRUCTURES CAN BE REPLACED WITH PRECAST CONCRETE STRUCTURES WITH HL-93 DECK LOADING AND COMPARABLE SIZE.
- ALL BOXES SHALL BE FORMED ON THE INSIDE AND OUTSIDE OF THE BOX AND INSPECTED BY THE CITY PRIOR TO THE PLACING OF CONCRETE.

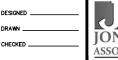




DRAINAGE DITCH / PARKING LOT INLET BOX









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PUBLIC WORKS STANDARDS

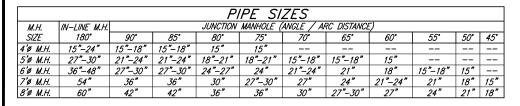
STORM DRAIN - DRAINAGE INLET BOX AND
GRATE AND FRAME DETAILS

HARRISVILLE CITY CORPORATION

SHEET:

CS-10

OF 21 SHEETS

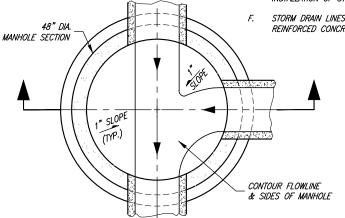


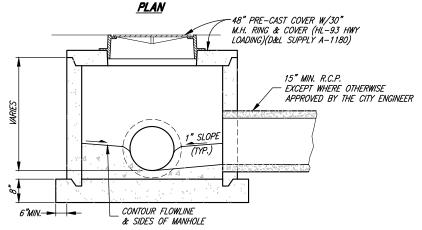


- SUGGESTED "A" DISTANCE IS 6" OR GREATER FOR 48", 60" AND 72" DIAMETER MANHOLES
- SUGGESTED "A" DISTANCE IS 8" OR GREATER FOR 84" AND 96" DIAMETER MANHOLES

## **GENERAL NOTES:**

- STORM DRAIN MANHOLE DIAMETER TO BE DETERMINED BY THE DESIGN ENGINEER AFTER EVALUATION OF THE NUMBER, SIZE, AND PIPE ENTRY ANGLE OF THE PIPES THAT CONNECT TO THE MANHOLE.
- B. NO MORE THAN 12" OF GRADE RINGS TO BE ALLOWED ON ANY MANHOLE
- PLYWOOD COVERS SHALL BE USED AT MANHOLE FLOOR TO COVER FLOWLINE DURING CONSTRUCTION AND MAINTENANCE ACTIVITIES.
- ALL INTERIOR JOINTS SHALL BE SMOOTH AND EVENLY GROUTED WITH NON-SHRINK GROUT MIX.
- E. MANHOLE STEPS UNIFORMLY SPACED (1'-0" MAX) ON ALL MANHOLES. POLYPROPYLENE COVERED STEEL STEPS, MODEL PSI-PF AS MANUFACTURED BY "M.A. INDUSTRIES" OR APPROVED EQUAL -INSTALLATION OF STEPS SHALL BE WATERPROOF.
- STORM DRAIN LINES SHALL BE 15 INCH MINIMUM DIAMETER REINFORCED CONCRETE PIPE (RCP), OF APPROPRIATE CLASS.





# CLEANOUT MANHOLE



# **JONES &**

# CONSULTING ENGINEERS 6080 Fashion Point Drive

South Ogden, Utah 84403 (801) 476-9767 www.jonescivil.com

# HARRISVILLE CITY CORPORATION **PUBLIC WORKS STANDARDS CS-11** STORM DRAIN - TYPICAL MANHOLE AND CLEANOUT DETAILS

# TYPICAL LINE MANHOLE

- ECCENTRIC CONE OPENING

- STORM DRAIN PIPE

CONNECT R.C.P. PIPES TO

(TYP.)

STRUCTURE. GROUT & SEAL

OPENING IN PIPE SCORED BY MFGR. BREAKOUT

OR SAW CUT IN FIELD AT LOCATIONS. CUT

OUT SURFACES

BACK REINF. MESH AND GROUT OVER BREAK

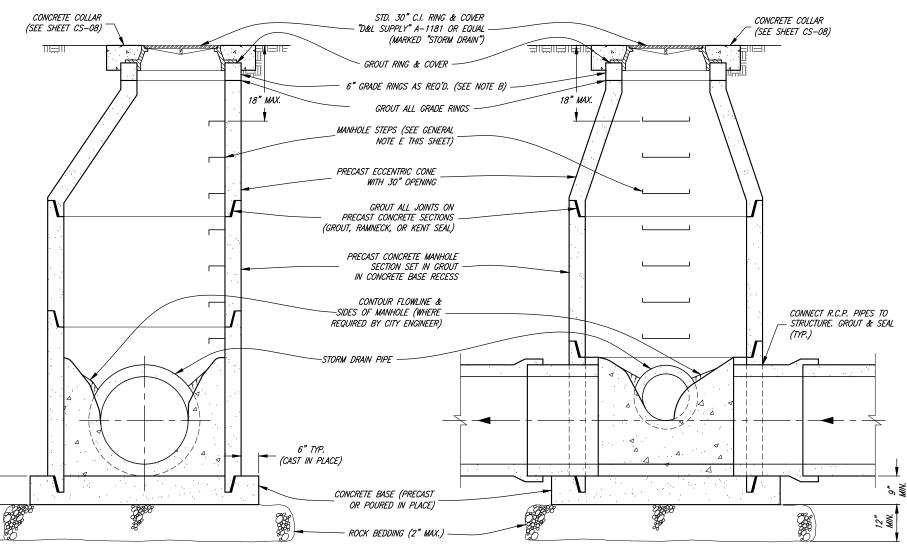
# TYPICAL JUNCTION MANHOLE

STORM DRAIN

- ECCENTRIC CONE OPENING

CONNECT R.C.P. PIPES TO

STRUCTURE. GROUT & SEAL



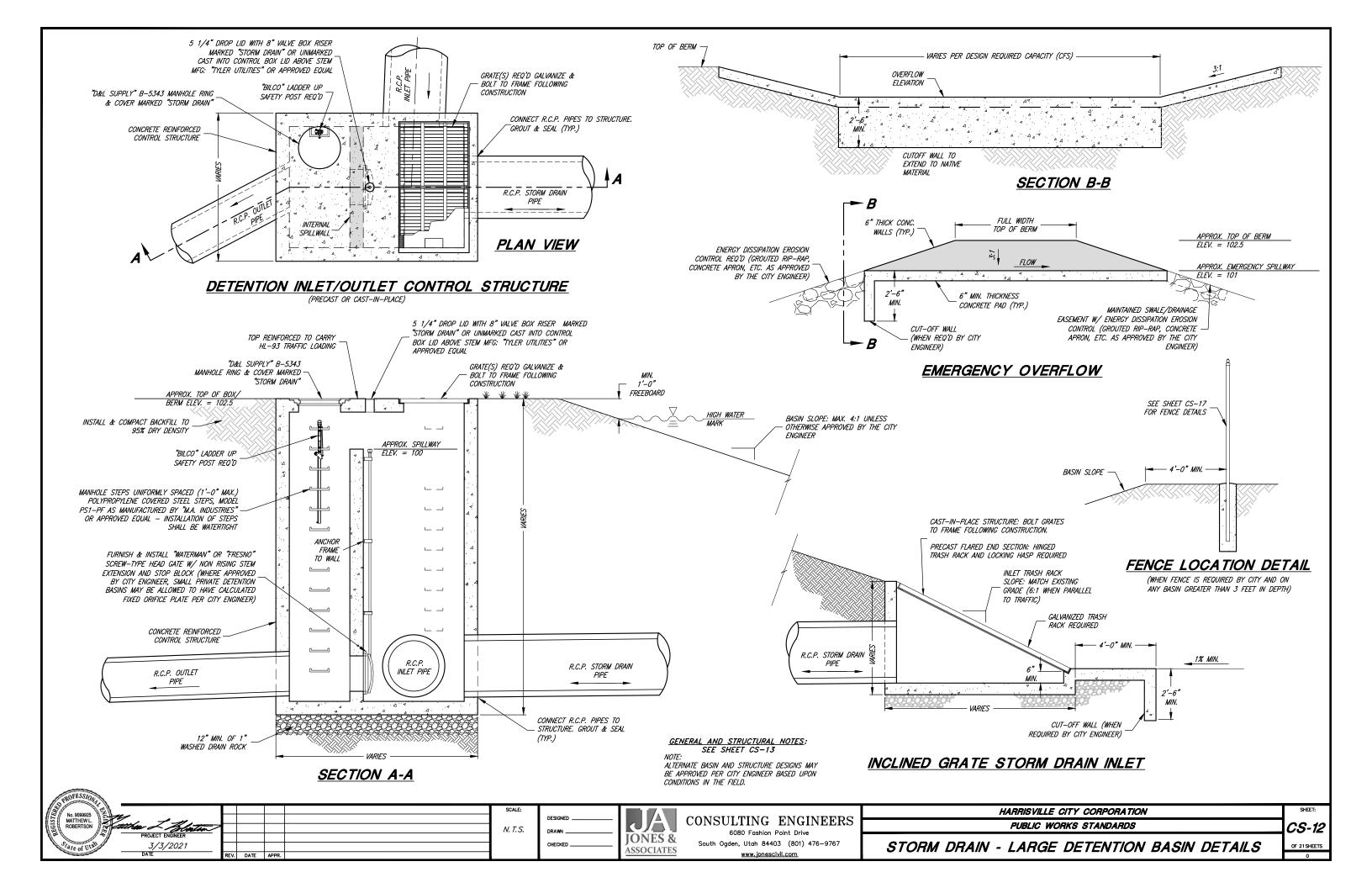
STORM DRAIN PIPE

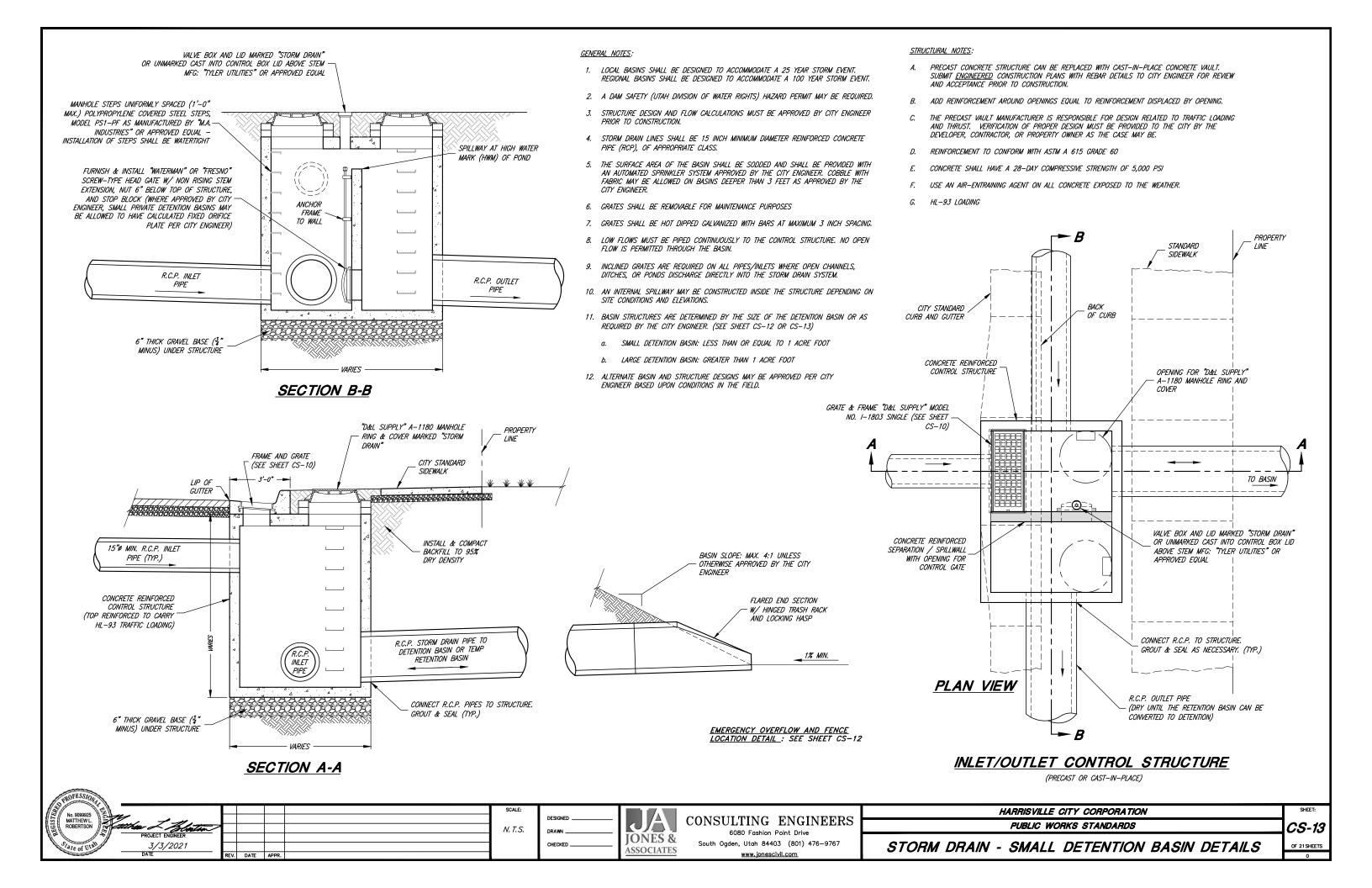


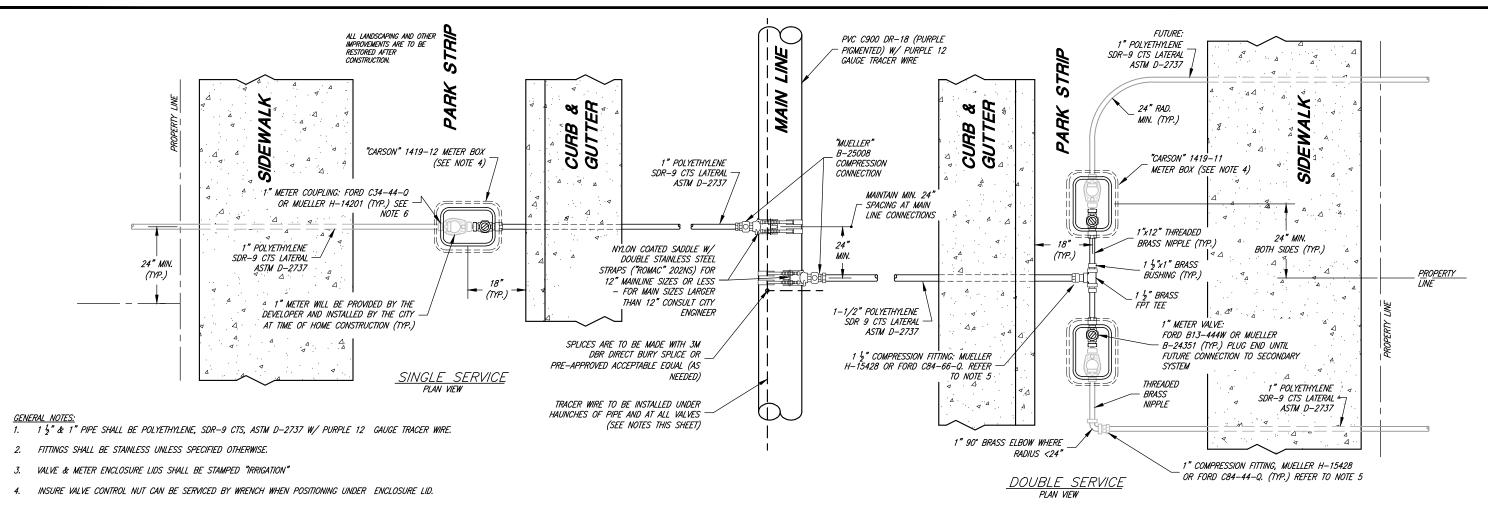
3/3/2021

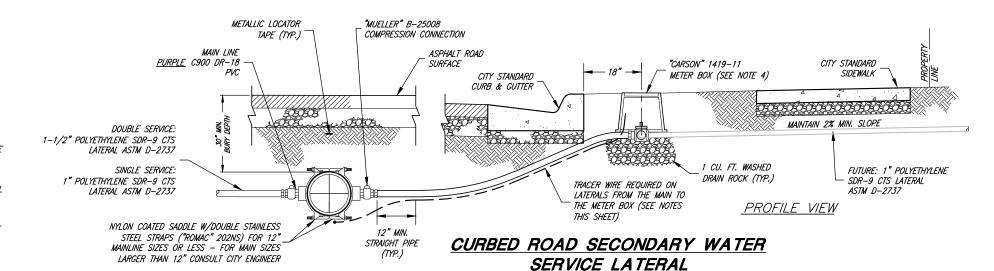
N. T. S.

°, ₩









- COMPRESSION-TYPE CONNECTIONS REQUIRE STAINLESS STEEL INSERT STIFFENERS.
- THE TUBING SHOULD BE INSERTED INTO THE FITTING SO THAT THE END OF THE TUBING IS WELL PAST THE RUBBER GASKET AND AT LEAST 1/8" FROM THE BOTTOM OF THE SOCKET.
- SERVICE LINES ARE TO BE TAPPED LEVEL
- ALL MAIN LINES ARE TO BE PURPLE C900 W/ PURPLE LOCATOR TAPE & PURPLE 12 GAUGE TRACER WIRE.

### TRACER WIRE NOTES:

- A1. ALL SECONDARY WATER LINES SHALL HAVE A MINIMUM 12 GA. INSULATED TRACER WIRE INSTALLED UNDER THE HAUNCHES OF THE PIPE PRIOR TO BACKFILLING.
- TRACER WIRES SHALL TERMINATE AT ALL METERS. AT SERVICE SADDLES AND TAPPING SLEEVES, THE TRACER WIRE SHALL NOT BE ALLOWED TO BE PLACED BETWEEN THE SADDLE AND THE PIPE. A GROUNDING ROD SHALL BE INSTALLED AT ALL TRACER SYSTEM TERMINAL POINTS.
- C1. TRACER WIRE SHALL BE COPPER WIRE WITH PURPLE INSULATION RATED FOR DIRECT BURIAL. ALL WIRE CONNECTORS SHALL BE 3M DBR DIRECT BURY SPLICE OR PRE-APPROVED ACCEPTABLE EQUAL AND SHALL BE WATERTIGHT TO PROVIDE ELECTRICAL CONTINUITY.
- D1. ALL TRACER WIRE SHALL BE TESTED FOR CONTINUITY IN THE PRESENCE OF THE PUBLIC WORKS INSPECTOR PRIOR TO ASPHALT PLACEMENT. ANY TRACER WIRE FOUND NOT TO BE CONTINUOUS AFTER TESTING SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR PRIOR TO ASPHALT PLACEMENT.



N. T.S.

CHECKED \_



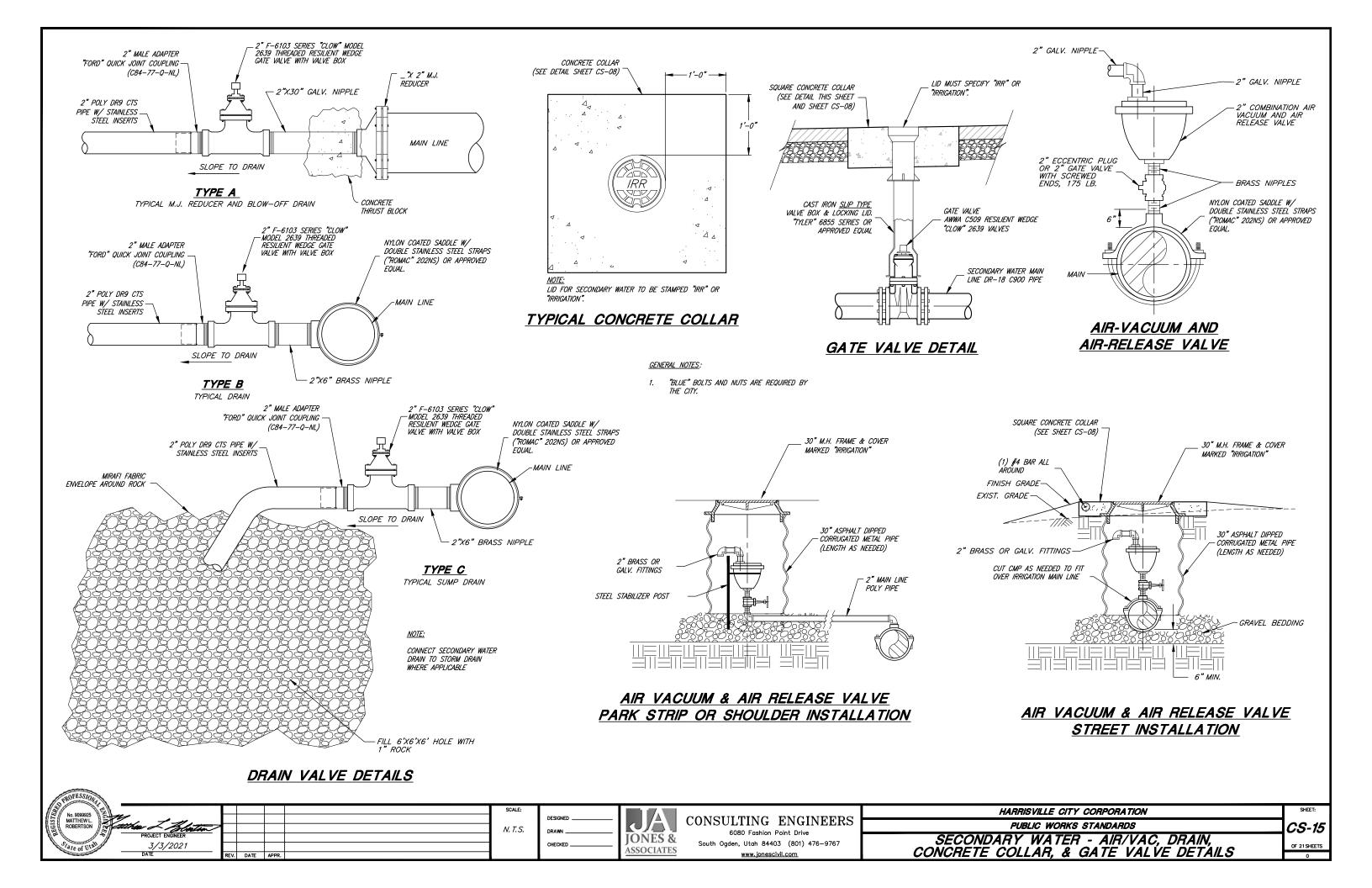
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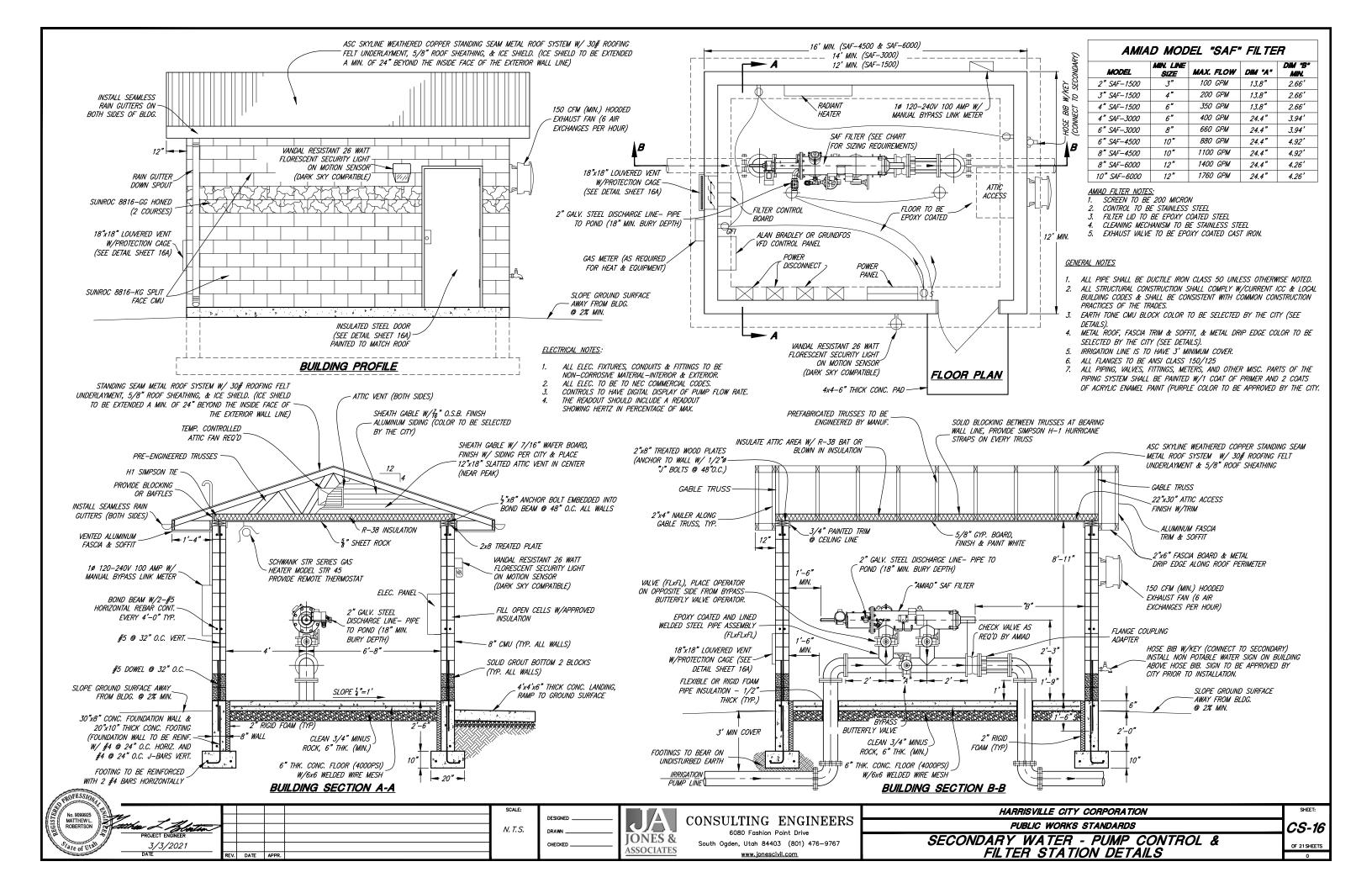
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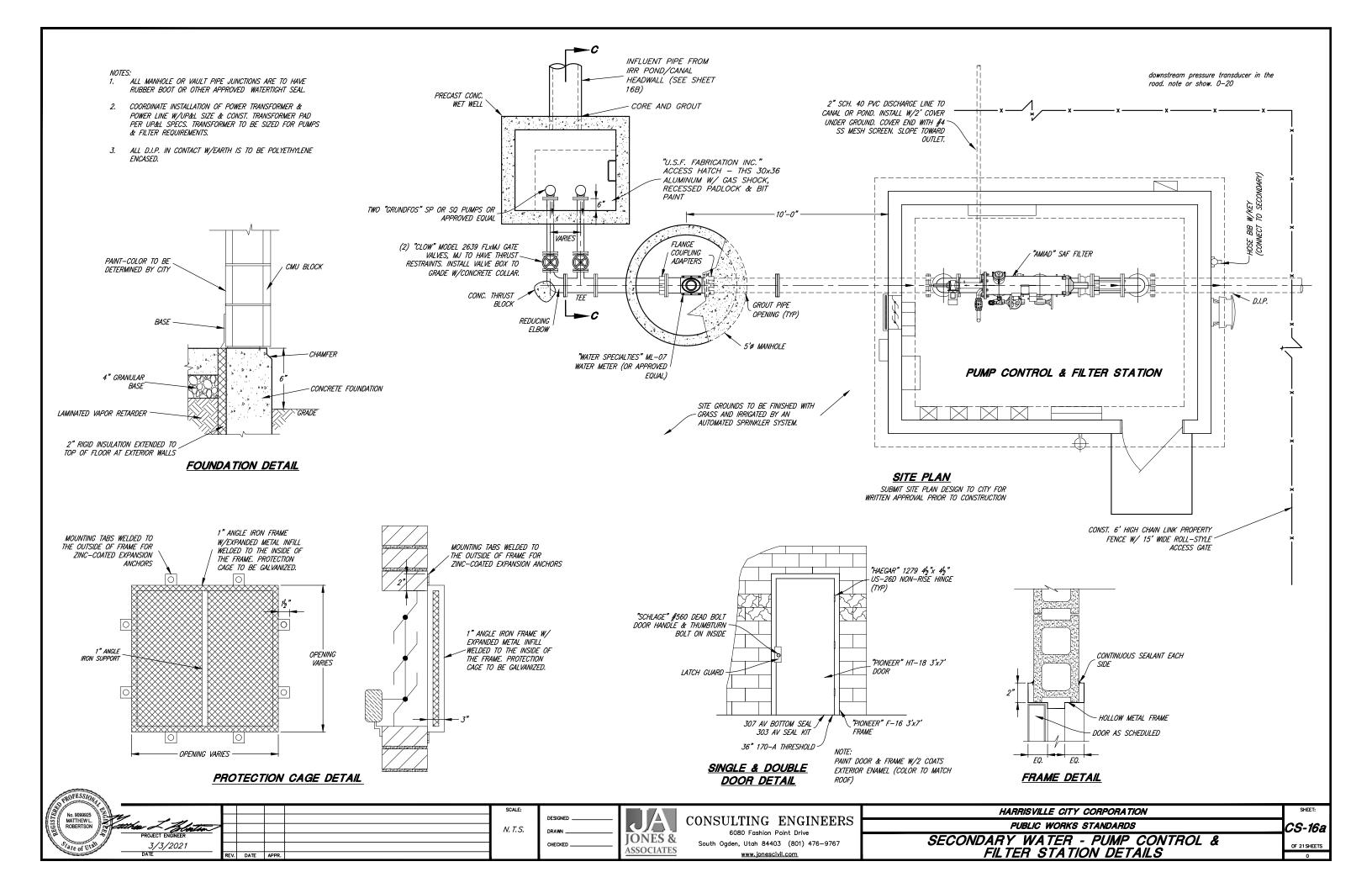
HARRISVILLE CITY CORPORATION **PUBLIC WORKS STANDARDS** 

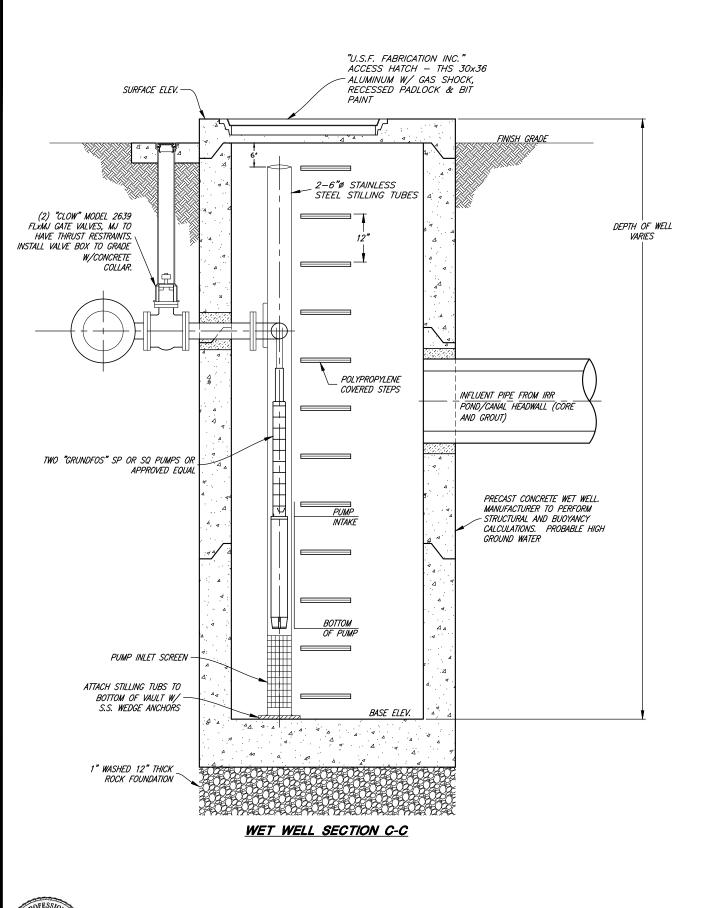
SECONDARY WATER - TYPICAL SERVICE LATERALS

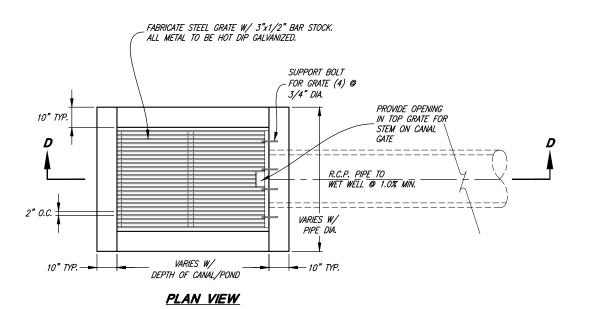
CS-14 OF 21 SHEETS

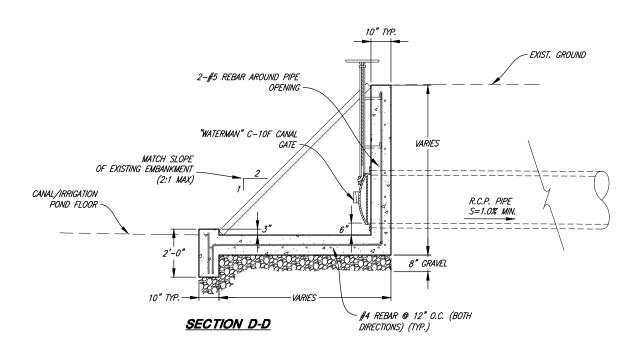












INLET HEADWALL
IRRIGATION POND OR CANAL

PROFESSION				
No. 9099925				SCALE:
MATTHEWL.				
MATTHEWL. ROBERTSON SLATE				N. T. S.
PROJECT ENGINEER				
State of Utah 3/3/2021				
DATE	REV.	DATE	APPR.	

DESIGNED \_\_\_\_\_\_

DRAWN \_\_\_\_\_

CHECKED \_\_\_\_\_

JONES & ASSOCIATES

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South Ogden, Utah 84403 (801) 476-9767

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HARRISVILLE CITY CORPORATION

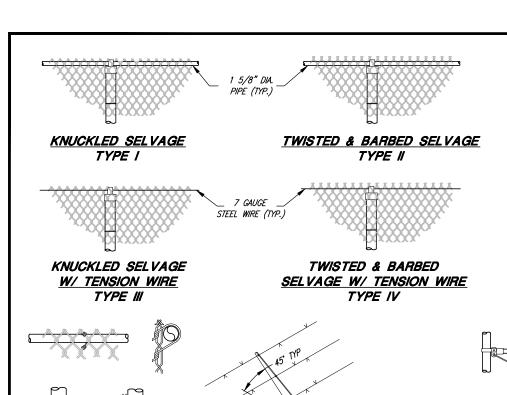
PUBLIC WORKS STANDARDS

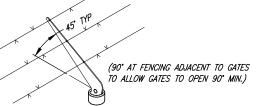
SECONDARY WATER - PUMP CONTROL &
FILTER STATION DETAILS

SHEET:

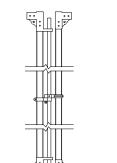
CS-16b

OF 21 SHEETS









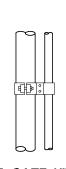


1 1/4" DIA. BRACE

BRACE & TRUSS CONNECTIONS

3/8" TRUSS ROD

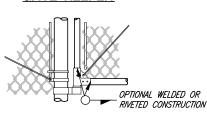
TURN-BUCKLE



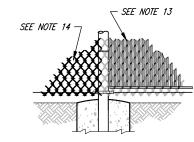
TOP GATE HINGE



GATE KEEPER



BOTTOM GATE HINGE AND GATE DETAIL



SLATS & VINYL COATING DETAIL

### **GENERAL NOTES:**

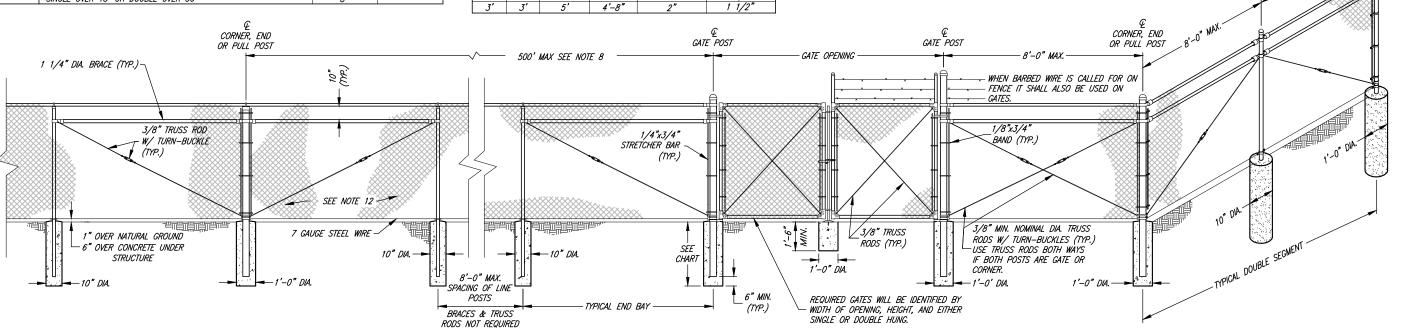
- 1. MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH PROJECT STANDARD SPECIFICATIONS.
- 2. THE TYPE OF TOP SUPPORT IS SPECIFIED IN THE BIDDING SCHEDULE, TYPES I AND II TUBULAR RAIL, TYPES III AND
- 3. BARB WIRE SHALL BE USED ONLY WHEN DESIGNATED ON THE PLANS OR IN THE SPECIFICATIONS.
- 4. TWISTED AND BARBED SELVAGE TOP AND BOTTOM SHALL BE USED ON FENCES 5-FEET HIGH OR GREATER.
- 5. KNUCKLED SELVAGE ON TOP AND TWISTED AND BARBED ON BOTTOM SHALL BE USED ON FENCES LESS THAN
- 6. ALL STEEL PIPE MEMBERS SHALL CONFORM TO ASTM A53 HOT DIPPED ZINC COATED HIGH TENSILE STEEL PIPE.
- 7. POSTS SHALL BE SCHEDULE 40 PIPE.
- 8. LINE POSTS SHALL BE LOCATED AT EQUAL SPACING FOR EACH SEGMENT WITH A MAXIMUM SPACING AS FOLLOWS:
  - TANGENT SECTIONS TO 500-FOOT RADIUS NOT MORE THAN 8-FEET.
  - UNDER 500-FOOT RADIUS TO 200-FOOT RADIUS NOT MORE THAN 8-FEET. UNDER 200-FOOT RADIUS TO 100-FOOT RADIUS NOT MORE THAN 6-FEET.

  - UNDER 100-FOOT RADIUS NOT MORE THAN 5-FEET.
- 9. TRUSS RODS AND BRACES SHALL NOT BE REQUIRED FOR FABRIC HEIGHT LESS THAN 5-FEET.
- 10. TENSION WIRE SHALL BE 7 GAUGE ZINC- OR ALUMINUM-COATED COIL SPRING STEEL TENSION WIRE.
- 11. ALL POSTS SHALL BE SET IN 3000 PSI CONCRETE AND SHALL BE TOPPED WITH BALL TYPE OR OTHER APPROVED **ORNAMENT**
- 12. ALL FABRIC SHALL BE 2" GALVANIZED 9 GAUGE MESH.
- 13. VERTICAL SEMI-PRIVACY VINYL SLATS WITH BOTTOM-LOCKING SLAT, WHEN REQUIRED BY THE CITY. COLOR AS APPROVED BY THE CITY.
- 14. BLACK VINYL COATED CHAINLINK FENCING WHEN REQUIRED BY THE CITY.
- 15. ALL FENCING SHALL CONFORM TO LOCATION AND HEIGHT LIMITATIONS AS STATED IN HARRISVILLE CITY FENCING

HEIGHT	GATE OPENING	GATE POST	GATE FRAME		
UNDER 6	SINGLE TO 6' OR DOUBLE TO 12'	2"	1"		
FEET 6	SINGLE OVER 6' TO 8' OR DOUBLE OVER 12' TO 16'	2 1/2"	1 1/2"		
	SINGLE OVER 8' TO 12' OR DOUBLE 16' TO 24'	4"	1 1/2		
	SINGLE TO 6' OR DOUBLE TO 12'	3 1/2"			
6 FEET AND OVER	SINGLE OVER 6' TO 12' OR DOUBLE OVER 12' TO 24'	4"	1 1/2"		
	SINGLE OVER 12' TO 18' OR DOUBLE OVER 24' TO 36'	6"	' '/2		
	SINGLE OVER 18' OR DOUBLE OVER 36'	8"	1		

PIPE POST TIE

	DEDTU LENGTH OF			SIZE OF POSTS		
HEIGHT OF FABRIC	DEPTH OF POSTS	ENGTH OF END, CORNER OR PULL POST	LENGTH OF LINE POST	END, CORNER, & PULL POSTS	LINE POST	
		FULL FUST		NOM. SIZE	NOM. SIZE	
7'	3'	10'	9'-8"	2 1/2"	2"	
6'	3'	9'	8'-8"	2 1/2"	2"	
5'	3'	8'	7'-8"	2"	1 1/2"	
4'	3'	6'	5'-8"	2"	1 1/2"	
					/- 9	



CENTER GATE STOP

AND GATE DETAIL

N. T.S. 3/3/2021

CHECKED \_

**JONES &** ASSOCIATES

CONSULTING ENGINEERS 6080 Fashion Point Drive

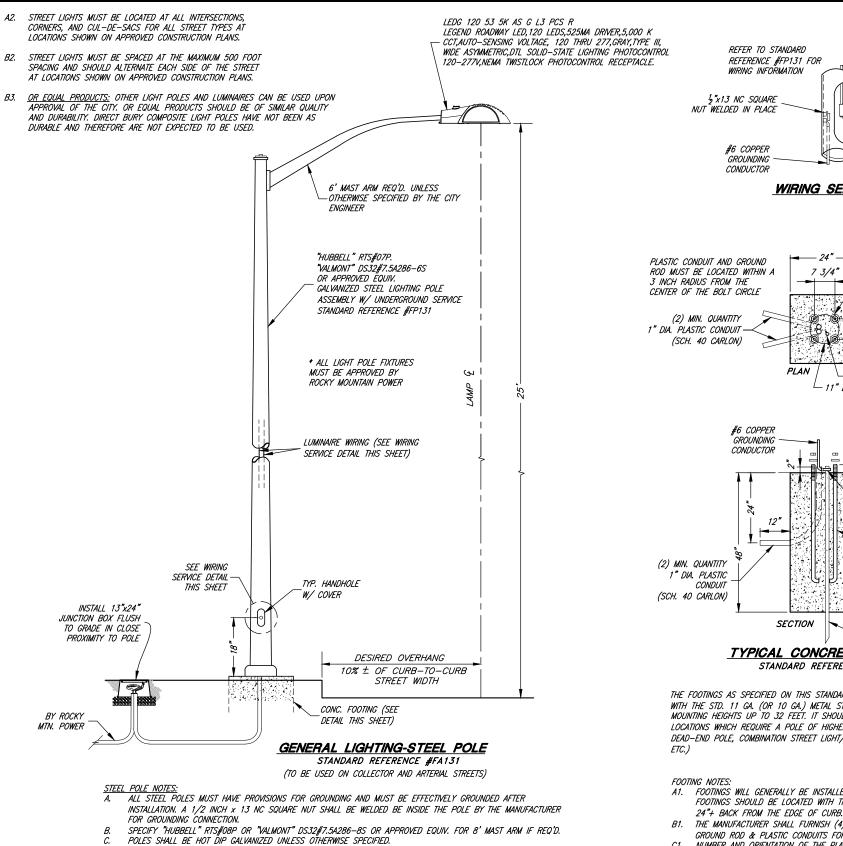
South Ogden, Utah 84403 (801) 476-9767 www.jonescivil.com

HARRISVILLE CITY CORPORATION **PUBLIC WORKS STANDARDS** 

GENERAL - CHAIN LINK FENCE DETAILS

CS-17 OF 21 SHEETS

CORNER, END OR PULL POST



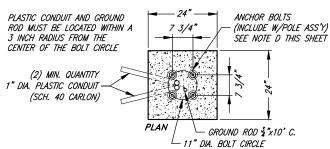
- CATALOG NUMBERS INCLUDE HOT DIP GALVANIZED ANCHOR BOLTS AND BASE COVERS.
- POLE SIZE IS ADEQUATE FOR SINGLE OR TWIN BRACKET APPLICATION. SPECIFY "HUBBLE" RTS#22P OR "VALMONT" DS32#7.5A286-6D FOR 6' TWIN ARM,
- SPECIFY "HUBBLE" RTS#23P OR "VALMONT" DS32#7.5A286-8D FOR 8' TWIN ARM. MAST ARMS FOR METAL POLÉS ARE WITH TENON FOR 2 INCH LUMINAIRE SLIP-FITTER.

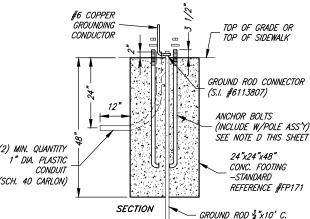
# ... (BLACK INSUL.—HOT, WHITE INSUL. -NEUTRAL) COMPRESSION CONNECTOR W/ P.V.C. TAPE OVER HANDHOLE ACCESS

#10 COPPER TO LUMINAIRE

FROM PLASTIC

CONDUIT IN FOOTING WIRING SERVICE DETAIL





### TYPICAL CONCRETE FOOTING STANDARD REFERENCE #FP171

THE FOOTINGS AS SPECIFIED ON THIS STANDARD IS DESIGNED FOR USE WITH THE STD. 11 GA. (OR 10 GA.) METAL STREET LIGHT POLES FOR MOUNTING HEIGHTS UP TO 32 FEET. IT SHOULD NOT BE APPLIED IN LOCATIONS WHICH REQUIRE A POLE OF HIGHER STRENGTH (SUCH AS A DEAD-END POLE, COMBINATION STREET LIGHT/TRAFFIC SIGNAL POLE, OR

- A1. FOOTINGS WILL GENERALLY BE INSTALLED BY A CONTRACTOR. FOOTINGS SHOULD BE LOCATED WITH THE VERTICAL CENTERLINE
- THE MANUFACTURER SHALL FURNISH (4) ANCHOR BOLTS, (1) GROUND ROD & PLASTIC CONDUITS FOR EACH FOOTING AS REQ'D.
- NUMBER AND ORIENTATION OF THE PLASTIC CONDUITS ARE INFLUENCED BY THE UNDERGROUND CIRCUIT ROUTE AND SHOULD BE DETERMINED IN EACH LOCATION FOR THE MOST PRACTICAL
- ANCHOR BOLTS SHALL BE FURNISHED WITH 6" MIN. THREAD LENGTH AND SHALL BE HOT DIP GALVANIZED.

### DECORATIVE LIGHT POLE SPECIFICATIONS

<u>POST DESCRIPTION</u>
THE LIGHTING POST SHALL BE ALL ALUMINUM CONSTRUCTION CONSISTING OF A POLE TOP ADAPTER PLATE, PATENTED SITELINK SL5 SHAFT AND A DECORATIVE FLUTED CAST ALUMINUM BASE.

MATERIALS

THE BASE SHALL BE HEAVY WALL, CAST ALUMINUM PRODUCED FROM CERTIFIED ASTM 356.1 INGOT PER ASTM B-179-95A OR ASTM B26-95. THE SHAFT SHALL BE EXTRUDED FROM ALUMINUM, ASTM 6061 ALLOY, HEAT TREATED TO A 16 TEMPER. ALL HARDWARE SHALL BE TAMPER RESISTANT STAINLESS STEEL. ANCHOR BOLTS TO BE COMPLETELY HOT DIP GALVANIZED.

DIMENSIONS

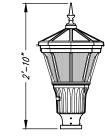
THE POST SHALL BE 14'-0" IN HEIGHT WITH A Ø16" BASE. A HAND HOLE SHALL BE PROVIDED FOR ACCESS. INSTALLATION

THE POST SHALL BE PROVIDED WITH FOUR, HOT DIP GALVANIZED L-TYPE ANCHOR BOLTS TO BE INSTALLED ON A 12" DIAMETER BOLT CIRCLE. A DOOR SHALL BE PROVIDED IN THE BASE FOR ANCHORAGE AND WIRING ACCESS. A GROUNDING SCREW SHALL BE PROVIDED INSIDE THE BASE OPPOSITE THE DOOR.

THE ENTIRE ASSEMBLY SHALL BE ANODIZED AND THEN RECEIVE A STANDARD HOLOPHANE POWDER COAT FINISH OVER THE ANODIZED MATERIAL.

### <u>LUMINAIRE</u>

- LITILITY WASHINGTON POSTLITE FOOLED
- 70W DRIVER 5K AUTO-SENSING 120-277V
- ASYMMETRIC FULL CUTOFF LED, SPIKE FINIAL - NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE
- DTL TWISTLOCK PHOTOCONTROL 120-277V
- 25' PREWIRED LEADS



OPTIONAL LUMINAIRE

- UTILITY ARLINGTON FULL CUT OFF LED

- 100W SYSTEM 5K SERIES CCT

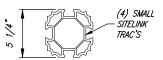
- AUTO-SENSING VOLTAGE 120-277V

- ASYMMETRIC GLASS REFRACTOR, SPIKE FINIAL - NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE

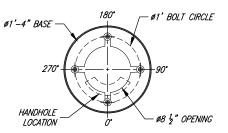
- 25' PREWIRED LEADS, SOLID STATE

PHOTOCONTROL 120-277V

- REPLACEMENT SURGE PROTECTOR



# PATENTED SITELINK SHAFT (CATALOG # L5J)



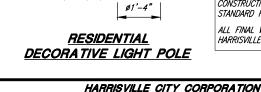
### ANCHORAGE DETAIL

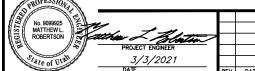
### <u>ATTENTION</u>

DEVELOPER / CONTRACTOR SHALL NOTIFY THE ROCKY MOUNTAIN POWER OFFICE PRIOR TO LIGHTING INSTALLATION TO ARRANGE FOR POWER TO BE PROVIDED ON SITE, AS WELL AS APPROVAL OF LIGHTING UNIT LOCATIONS AND APPROVAL OF ACTUAL COMPONENT SELECTION.

REFER TO THE ROCKY MOUNTAIN POWER DISTRIBUTION CONSTRUCTION STANDARD MANUAL FOR IDENTIFICATION OF ALL

ALL FINAL WORK AND MATERIAL TO RE APPROVED RY HARRISVILLE CITY CORPORATION AND THE CITY ENGINEER.





DESIGNED N. T.S. CHECKED \_



CONSULTING ENGINEERS 6080 Fashion Point Drive

South Ogden, Utah 84403 (801) 476-9767 www.jonescivil.com

GENERAL - STREET LIGHTING DETAILS

**PUBLIC WORKS STANDARDS** 

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OF 21 SHEET