

CALL UTILITY NOTIFICATION CENTER OF



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) IN NEW CONSTRUCTION OR FULL-DEPTH RECONSTRUCTION, PROVIDE A SEPARATE CURB RAMP FOR EACH MARKED OR UNMARKED PEDESTRIAN STREET CROSSING. (20) WHERE SNOW REMOVAL EQUIPMENT WILL BE USED TO CLEAR THE PEDESTRIAN ACCESS ROUTE, CONSULT THE ENGINEER PRIOR TO CONSTRUCTION TO ENSURE CURB RAMPS SHALL BE CONTAINED WHOLLY WITHIN THE WIDTH OF THE PEDESTRIAN STREET CROSSING OR CROSSWALK THEY SERVE, OR AS SHOWN ON THE

ALTERATIONS ARE DEFINED AS CHANGES TO AN EXISTING HIGHWAY THAT AFFECT PEDESTRIAN ACCESS, CIRCULATION, OR USE. ALTERATIONS INCLUDE, BUT ARE NOT LIMITED TO, RESURFACING, REHABILITATION, RECONSTRUCTION, CURB RAMP RETROFITS, HISTORIC RESTORATION, OR CHANGES OR REARRANGEMENT TO STRUCTURAL PARTS OR ELEMENTS OF A PEDESTRIAN FACILITY. A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP OR TURNING SPACE, WITHOUT RAISED OBSTACLES, THAT COULD BE MISTAKENLY TRAVERSED BY A USER WHO IS VISUALLY IMPAIRED.

4) IN ALTERATIONS, WHERE AN EXISTING PHYSICAL CONSTRAINT PREVENTS PROVIDING A SEPARATE CURB RAMP FOR EACH PEDESTRIAN STREET CROSSING, A SINGLE DIAGONAL RAMP (ON THE APEX) SHALL BE PERMITTED TO SERVE BOTH PEDESTRIAN STREET CROSSINGS. THE USE OF A SINGLE DIAGONAL RAMP

SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. DIAGONAL RAMPS ARE NOT ACCEPTABLE IN NEW CONSTRUCTION OR FULL-DEPTH 5) DETECTABLE WARNINGS SURFACES (DWS) ARE INTENDED TO INDICATE THE BOUNDARY BETWEEN A PEDESTRIAN ROUTE AND VEHICULAR ROUTE WHERE THERE IS A FLUSH RATHER THAN CURBED CONNECTION. DWS ARE NOT INTENDED TO PROVIDE WAYFINDING. DWS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS; 1. CURB RAMPS, BLENDED TRANSITIONS, AND DEPRESSED CORNERS AT PEDESTRIAN STREET CROSSINGS; PEDESTRIAN REFUGE ISLANDS (6 FEET IN WIDTH OR GREATER);

3. BOARDING PLATFORMS AT TRANSIT STOPS WHERE THE EDGE OF THE PLATFORM IS NOT PROTECTED TO PEDESTRIAN CROSS TRAFFIC, AND 4. BOARDING AREAS AT SIDEWALK OR STREET LEVEL TRANSIT STOPS WHERE THE AREA IS NOT PROTECTED TO PEDESTRIAN CROSS TRAFFIC. 6 DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT GUTTER, HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. FEDERAL YELLOW COLOR IS PREFERRED, HOWEVER, OTHER COLORS MAY BE USED IF APPROVED BY THE ENGINEER. 7) IN ALTERATIONS, TO AVOID CHASING GRADE INDEFINITELY ON STEEP ROADWAYS, A CURB RAMPS LENGTH IS NOT REQUIRED TO EXCEED 15 FEET REGARDLESS

8) ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. (9) DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, OR OTHER OBSTRUCTIONS SHALL NOT BE INSTALLED ON THE CURB RAMP, OR TURNING SPACE AREAS. (10) IN NEW CONSTRUCTION, PULL BOXES, METER BOXES, MAINTENANCE HOLE COVERS, VAULT LIDS. OR SIMILAR, SHALL NOT BE CONSTRUCTED WITHIN ANY PART OF CURB RAMP OR TURNING SPACE. IN ALTERATIONS, WHERE THESE ITEMS CANNOT BE RELOCATED DUTSIDE OF THE CURB RAMP OR TURNING SPACE, THEY MUST NOT CREATE A VERTICAL DISCONTINUITY GRATER THAN 1/2 INCH. ANY VERTICAL DISCONTINUITY BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE

BEVELED WITH A SLOPE NOT STEEPER THAN 1V:2H. THE BEVEL SHALL BE APPLIED ACROSS THE ENTIRE SURFACE DISCONTINUITY.

GUTTER AT THE FOOT OF A RAMP, TURNING SPACE, OR BLENDED TRANSITION SHALL NOT EXCEED 5.0%.

1) CONSTRUCTION OF ANY REQUIRED PEDESTRIAN CURB SHALL BE INCLUDED IN THE BID PRICE OF THE CONCRETE CURB RAMP AND WILL NOT BE PAID FOR (12) ALL CURB RAMP JOINTS AND GRADE BREAKS SHALL BE FLUSH (0'-1/8"). THE JOINT BETWEEN THE ROADWAY SURFACE AND THE GUTTER PAN SHALL BE FLUSH. (3) THE CONTRACTOR SHALL VERIFY REMOVAL LIMITS ARE SUFFICIENT TO PROVIDE POSITIVE DRAINAGE, MAINTAIN EXISTING DRAINAGE PATTERNS, AND AVOID

⚠ FLARED SIDE SLOPES MAY EXCEED 10.0% ONLY WHERE THEY ABUT A NON-WALKABLE SURFACE, OR WHERE THE ADJACENT RAMP SURFACE IS BLOCKED TO PEDESTRIAN TRAFFIC. (5) THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 13.33% THE COUNTER SLOPE OF THE

(16) GRADE BREAKS AT THE TOP AND BOTTOM OF RAMP RUNS SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. GRADE BREAKS SHALL NOT BE PERMITTED ON THE SURFACE OF THE RAMP RUN OR TURNING SPACE. SURFACE SLOPES THAT MEET AT GRADE BREAKS SHALL BE FLUSH. 🕜 A BROOM FINISH, WITH SWEEPS PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC, SHALL BE APPLIED TO ALL RAMP AND TURNING SPACE SURFACES. (18) IN ALTERATIONS. WHERE A RAMP OR TURNING SPACE MUST TIE INTO AN EXISTING GRADE THAT CANNOT BE ALTERED. THE RAMP OR TURNING SPACE MAY LENGTH OF THE RAMP OR TURNING SPACE TO MINIMIZE THE DEGREE OF WARPING. THE RATE OF CHANGE ON A RAMP OR TURNING SPACE SHALL NOT

(9) DESIGN AND CONSTRUCT CURB RAMPS, TURNING SPACES, AND FLARE SLOPES WITH THE FLATTEST SLOPES POSSIBLE. THE SLOPES INDICATED IN THESE DETAILS SHOW THE MAXIMUM SLOPES ALLOWABLE. PREFERRED VÁLUES TO BE USED DURING DESIGN, LAYOUT, AND CONSTRUCTION ARE: - RAMP RUNNING SLOPE 7.5% - RAMP CROSS SLOPE 1.5%

GENERAL NOTES & PAY AREAS

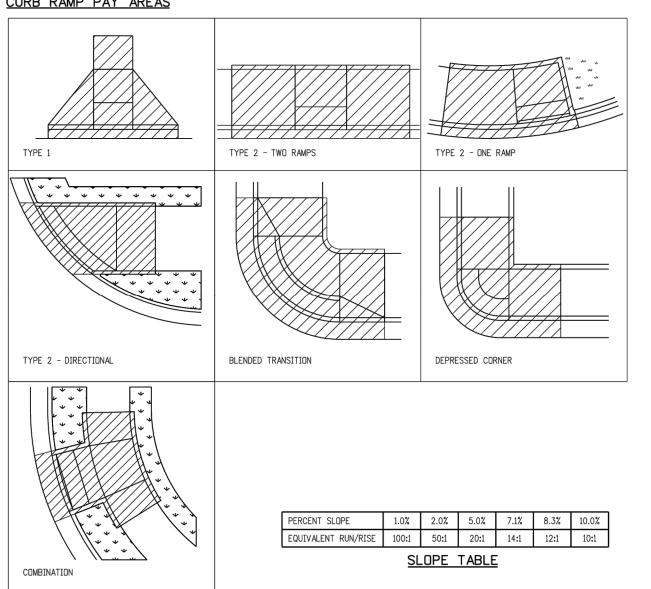
 TURNING SPACE RUNNING SLOPE 1.5% TURNING SPACE CROSS SLOPE 1.5%

EXCEED 3% PER LINEAR FOOT.

Computer File Information Colorado Department of Transportation Division of Project Support

THE WIDTH AND THICKNESS OF CURB RAMPS IS SUFFICIENT TO ACCOMODATE SUCH EQUIPMENT. 🖭 PROVIDE EXPANSION JOINT MATERIAL 1/2" THICK WHERE CURB RAMPS ADJOIN ANY RIGID PAVEMENT, OR STRUCTURE. THE TOP OF THE JOINT FILLER MATERIAL SHALL BE FLUSH WITH ADJOINING CONCRETE SURFACES. THE EXPANSION JOINT MATERIAL SHALL EXTEND FOR THE FULL DEPTH OF THE CONCRETE SURFACE. 22) PROVIDE TIE BAR REINFORCING BETWEEN INDEPEDENTLY POURED CONCRETE CURB RAMPS OR TURNING SPACES AND CURB AND GUTTER. DRILL AND GROUT NO. 4 12 INCH LONG REINFORCEMENT BARS (EPDXY COATED) AT 18 INCHES CENTER TO CENTER MINIMUM.

CURB RAMP PAY AREAS



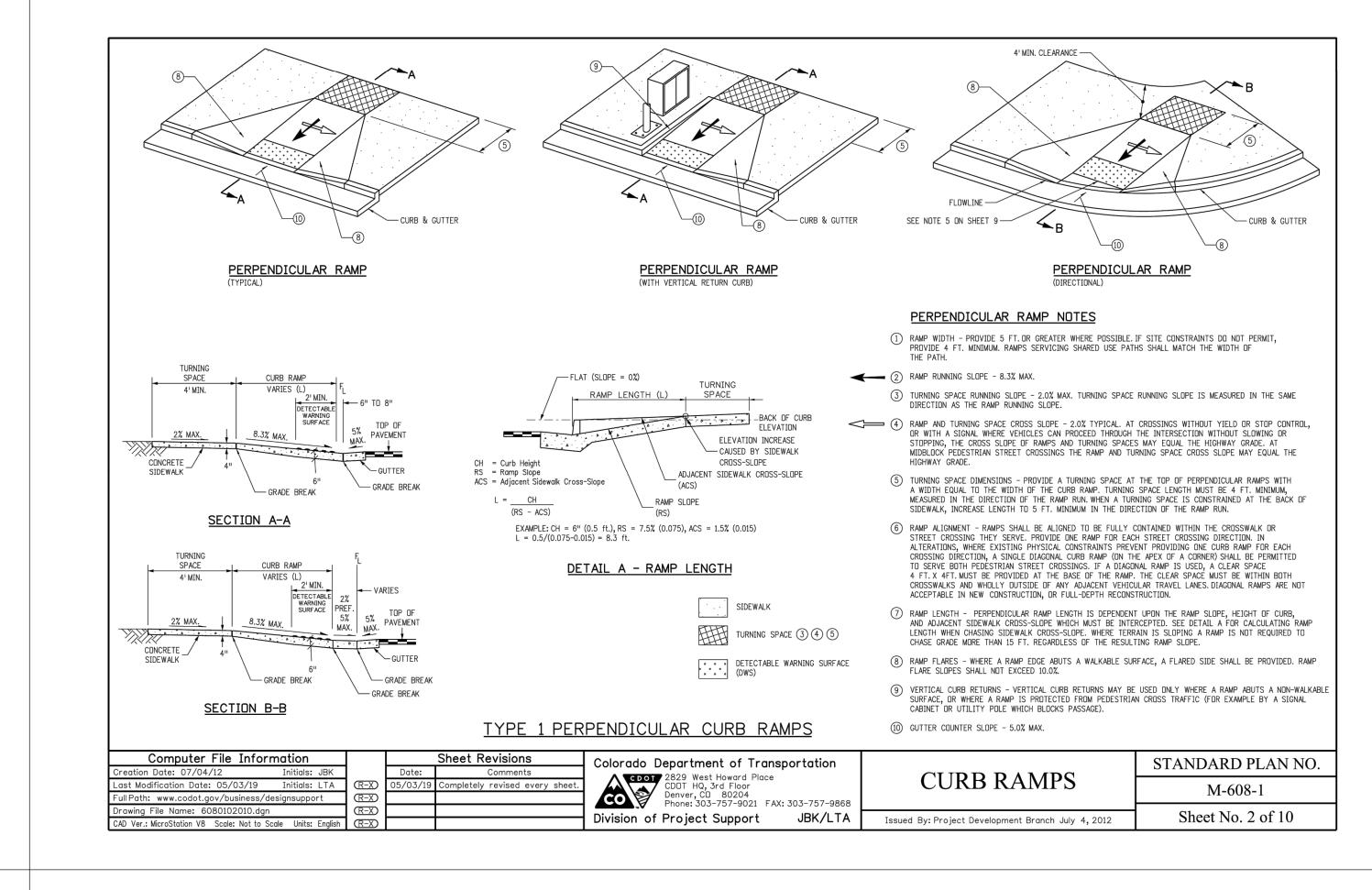
CURB RAMPS

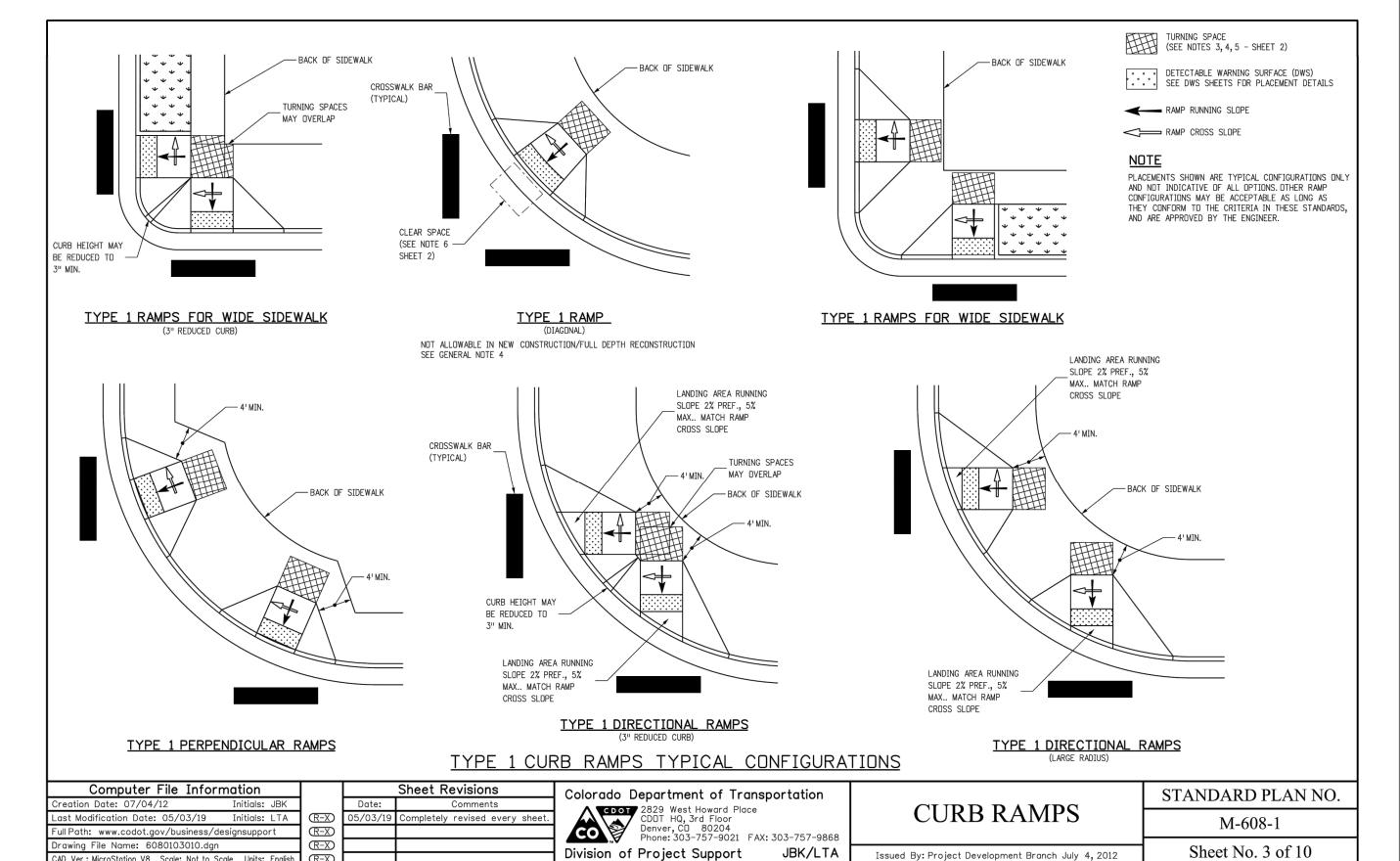
Issued By: Project Development Branch July 4, 2012

STANDARD PLAN NO.

M-608-1

Sheet No. 1 of 10

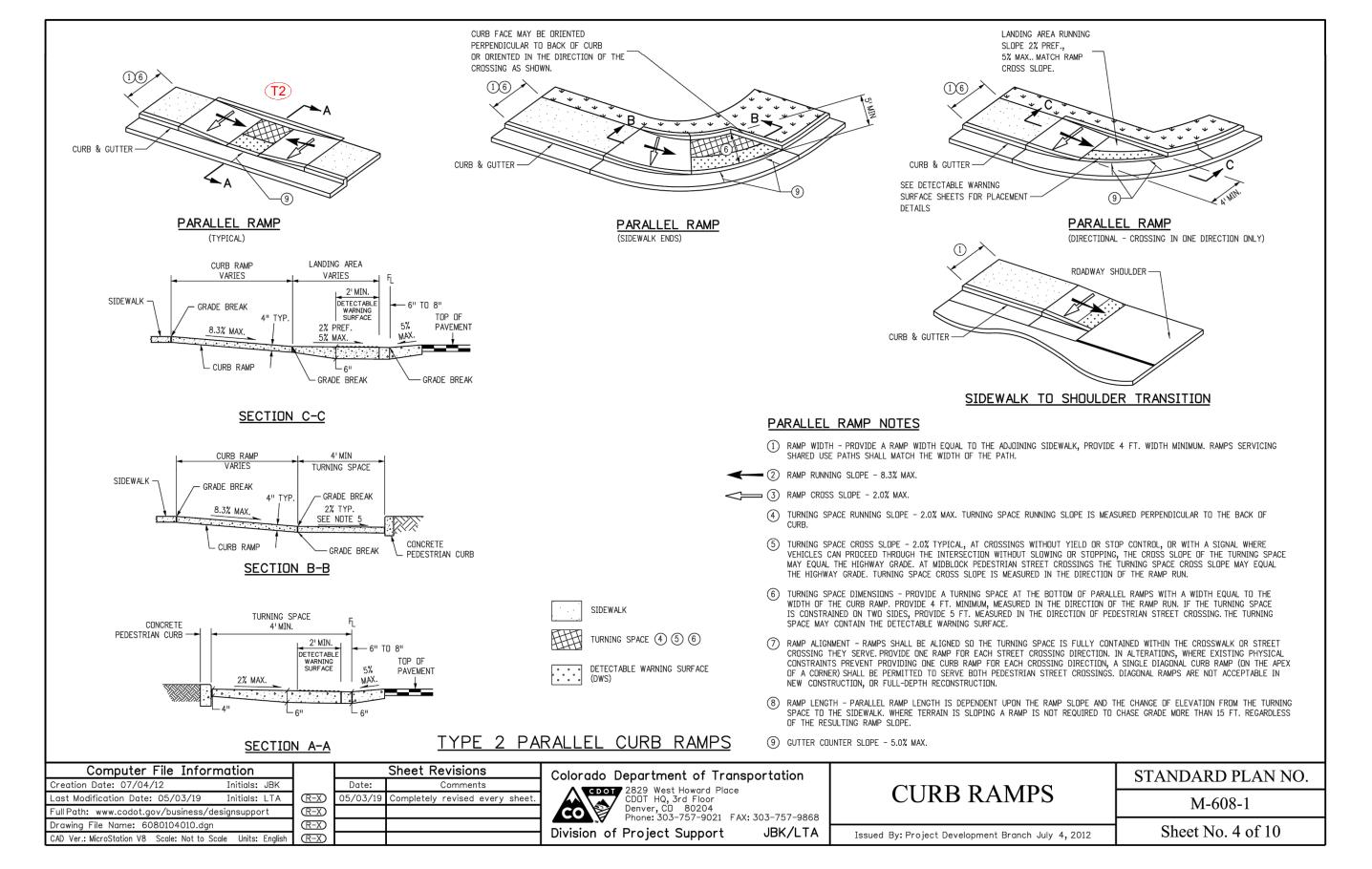




CDOT 2829 West Howard Place

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JBK/LTA



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### ADS DURASLOT® PIPE SPECIFICATION

This specification describes 4- through 36-inch (100 to 900 mm) ADS DURASLOT pipe for use in surface drain applications.

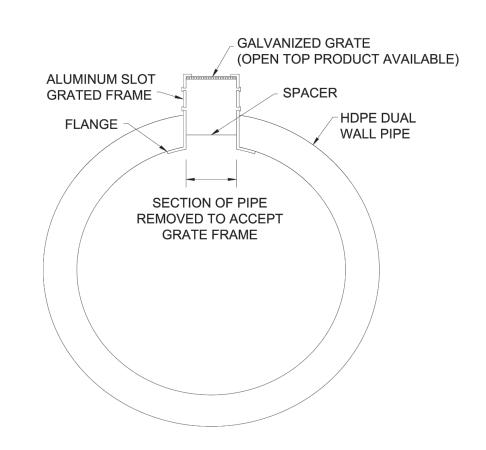
DURASLOT pipe, as manufactured and distributed by ADS, Inc., shall have a smooth interior and annular exterior corrugations with an aluminum slot grate frame mounted longitudinally along the length of the pipe to accept the grate while maintaining the original pipe diameter.

- 4- through 10-inch (100 to 250mm) pipe shall meet AASHTO M252, Type S.
- 12- through 36-inch (300 to 900 mm) pipe shall meet AASHTO M294, Type S or ASTM F2306. Manning's "n" value for use in design shall be 0.012.

The aluminum slot grate frame shall be manufactured from 0.063" tempered commercial aluminum meeting the requirements of ASTM B209, consisting of two parallel plates separated by spacers spanning the slot on 6" centers. The grate shall be  $\frac{1}{2}$  - #13 galvanized steel. The grate shall have a diamond-shaped opening and be ADA compliant. The flange at the bottom of the aluminum slot grate frame shall be riveted to the pipe with a minimum of two rivets per linear foot.

DURASLOT fittings shall be modified from fittings which conform to AASHTO M252, AASHTO M294, or ASTM F2306.

Installation shall be in accordance with ADS recommended installation instructions. Contact your local ADS representative or visit www.ads-pipe.com for a copy of the latest installation guidelines.



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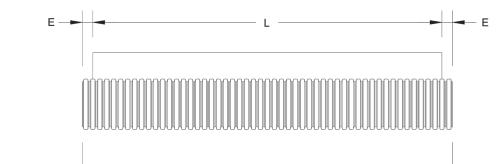
### ADS, Inc. Drainage Handbook

Specifications ♦ 1-30

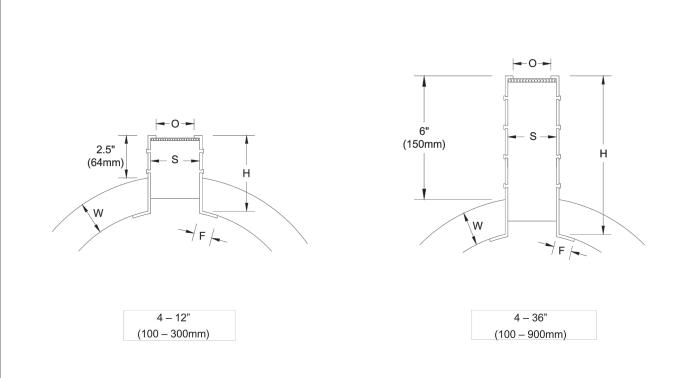
### ADS DURASLOT® STANDARD DIMENSIONS

		Nominal Pipe Diameter,in (mm)										
	4"(100)	6"(150)	8"(200)	10"(250)	12"(300)	15"(375)	18"(450)	24"(600)	30"(750)	36"(900)		
L		118"				116"						
(Drain Grate Length)		(3000) (2950)										
E		1'	,					2"				
(Pipe End Length)		(25	5)				(	50)				
Н	2.75"	3"	3"	3"	3.5"	3.75"	4"	4.75"	5"	5.25"		
(2.5" slot)	(70)	(75)	(75)	(75)	(90)	(95)	(100)	(120)	(125)	(130)		
Н	6.25"	6.5"	6.5"	6.5"	7"	7"	7"	7.25"	8.25"	8.25"		
(6.0" slot)	(160)	(165)	(165)	(165)	(175)	(175)	(175)	(185)	(210)	(210)		
W	0.34"	0.46"	0.61"	0.73"	1.15"	1.30"	1.57"	1.86"	2.55"	2.85"		
(Pipe Width w/ Corrugation)	(9)	(12)	(15)	(18)	(30)	(33)	(40)	(47)	(65)	(72)		
F	0.5"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"	1.0"	1.0"	1.0"		
(Flange Length)	(13)	(19)	(19)	(19)	(19)	(19)	(19)	(25)	(25)	(25)		
0	1.25"	1.75"	1.75"	1.75"	1.75"	1.75"	1.75"	1.75"	1.75"	1.75"		
(Opening Width)	(32)	(45)	(45)	(45)	(45)	(45)	(45)	(45)	(45)	(45)		
S	1.75"	2.25"	2.25"	2.25"	2.25"	2.25"	2.25"	2.25"	2.25"	2.25"		
(Slot Width)	(45)	(57)	(57)	(57)	(57)	(57)	(57)	(57)	(57)	(57)		

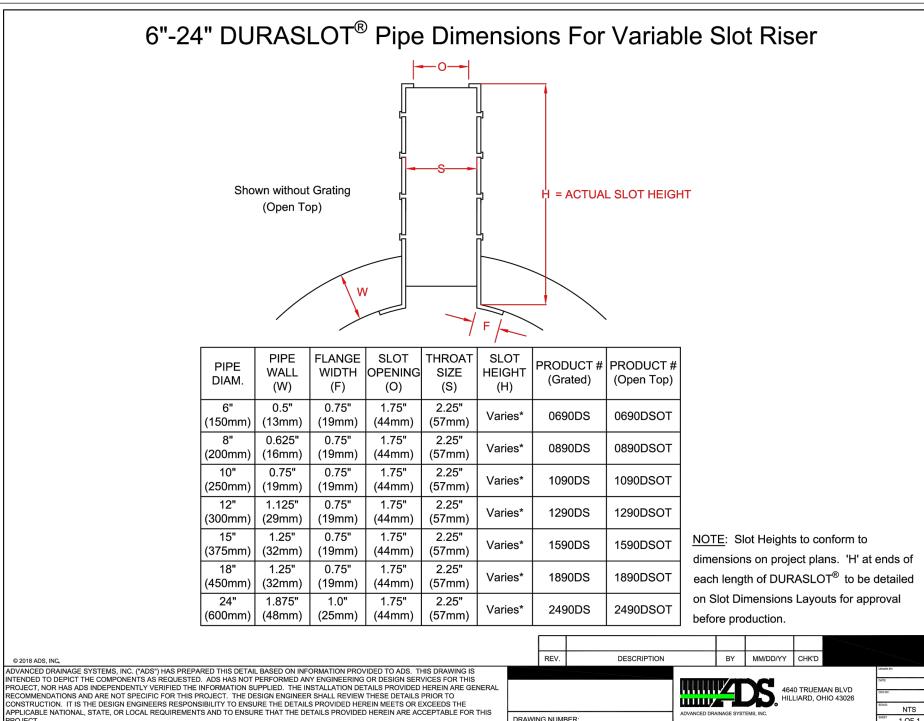
1. Variable and custom slot heights upon request. Production of variable and custom slots will require approval by engineering services and fabrication. Signed shop drawings also required from interested party. 2. Other grate material options upon request. Contact local ADS representative for availability of grate material option.

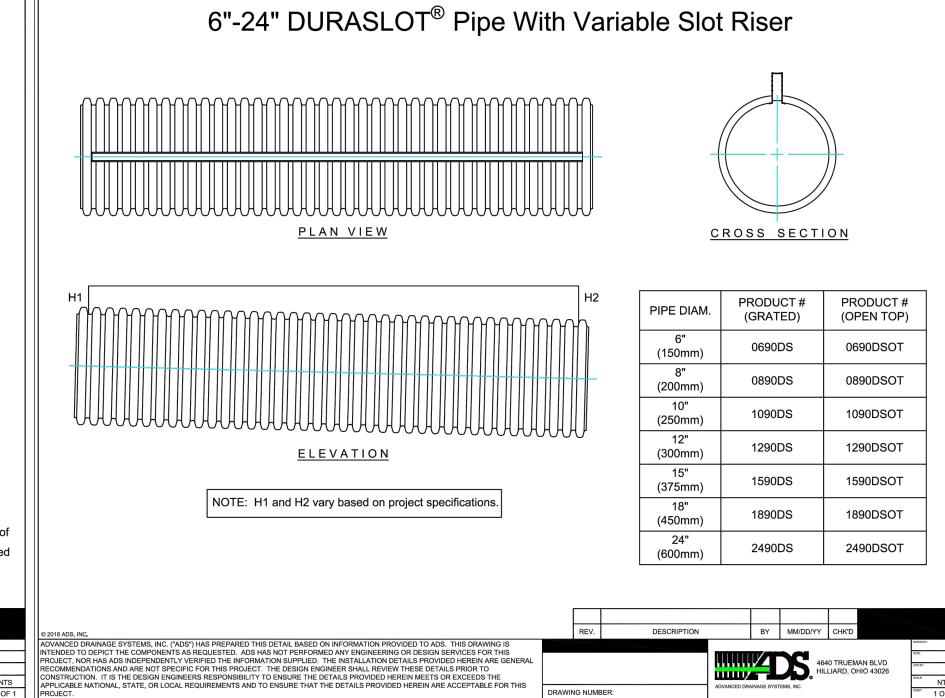


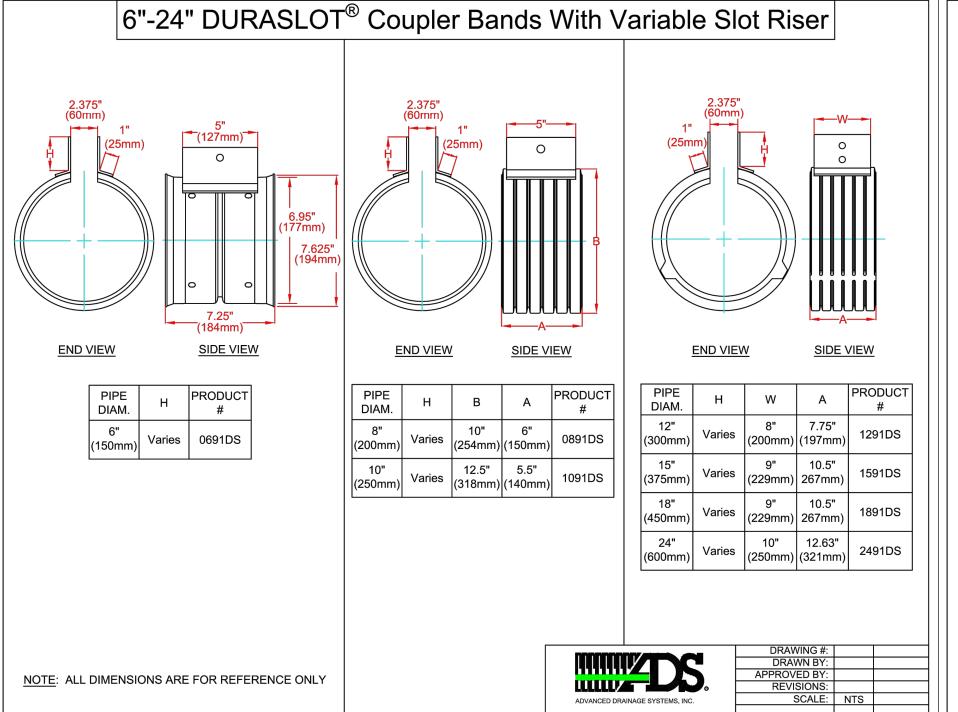
10' STANDARD LENGTH

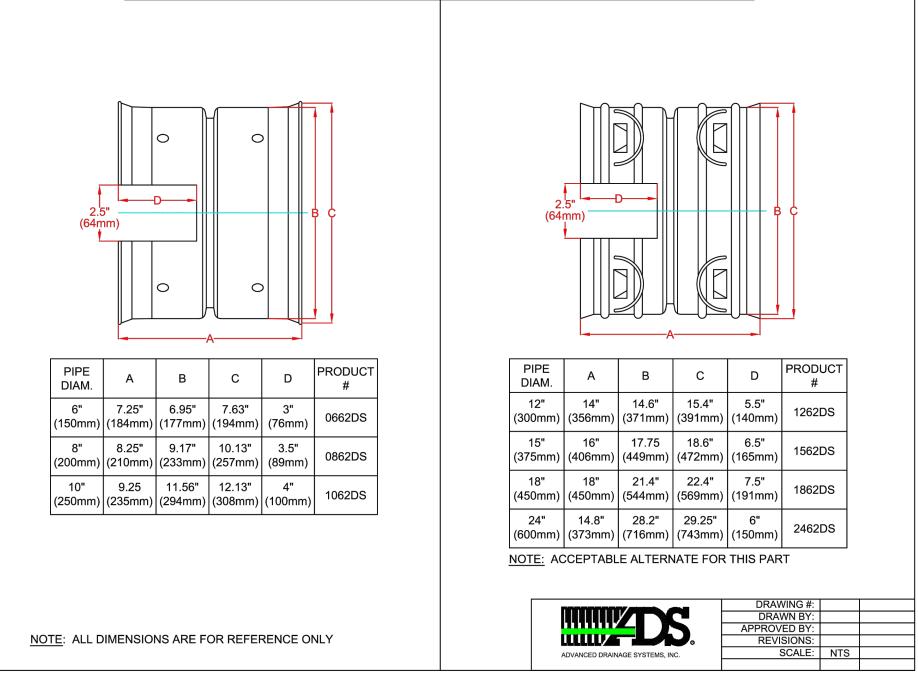


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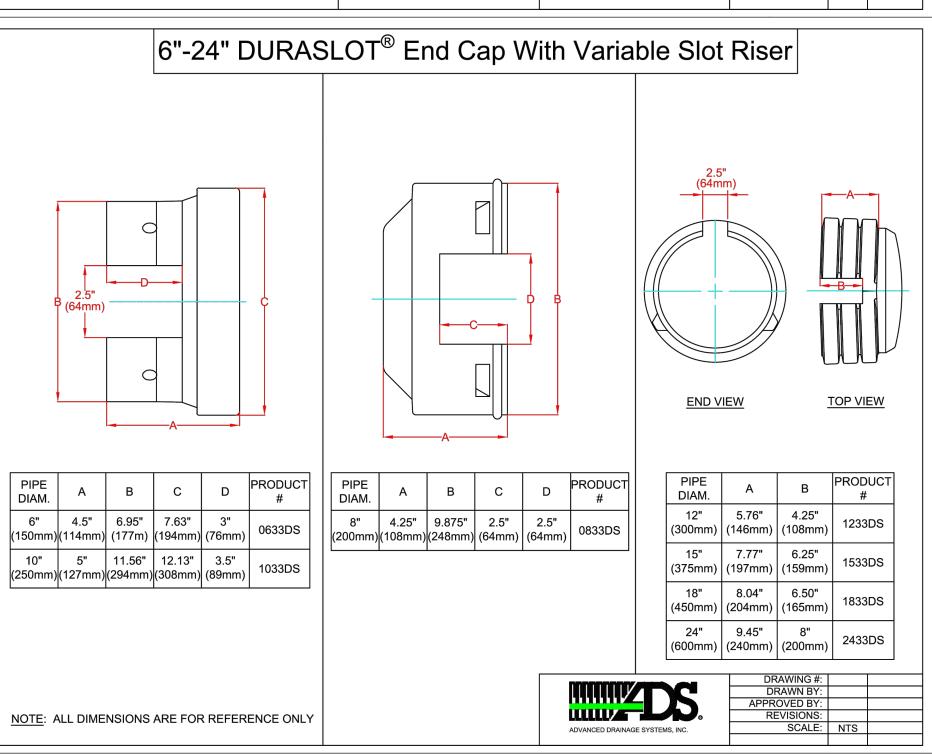


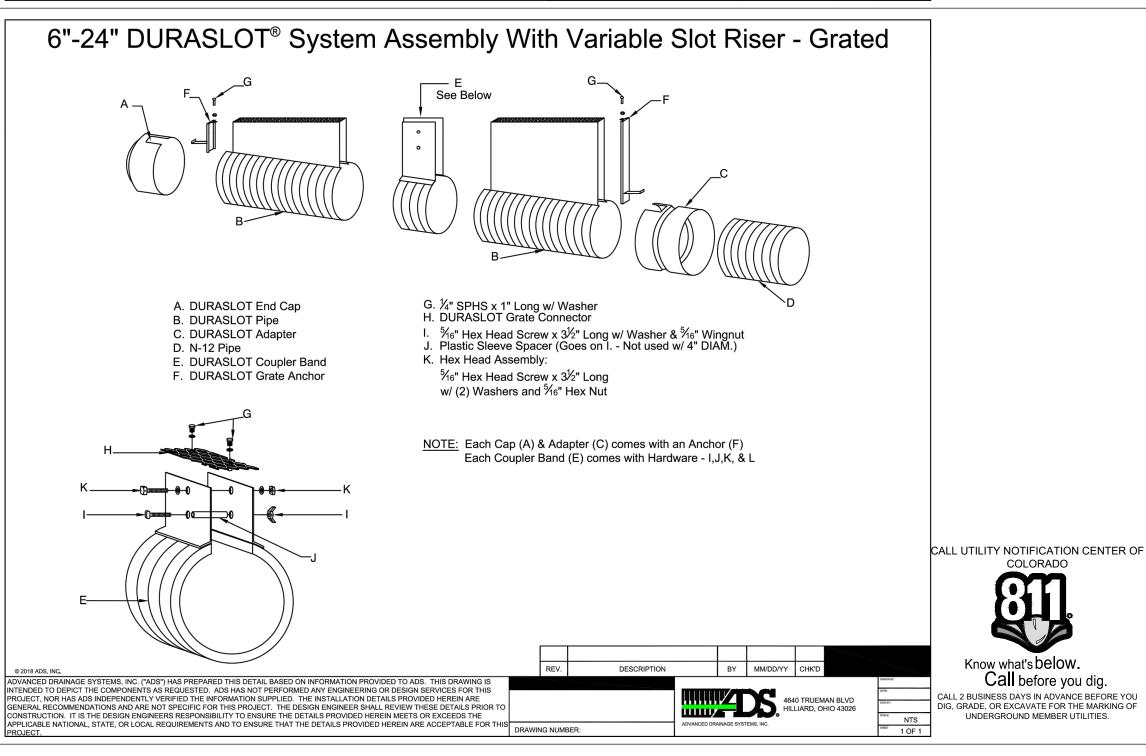






6"-24" DURASLOT® Adapter With Variable Slot Riser

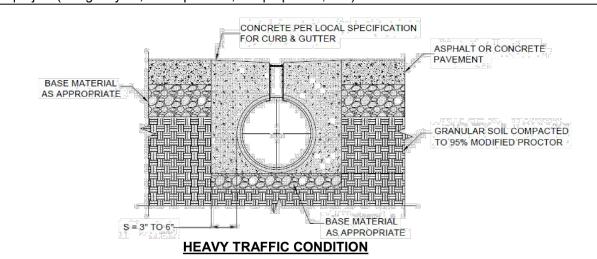




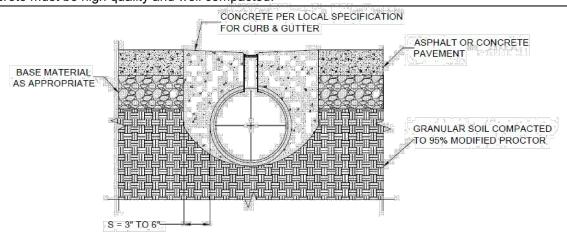
DURASLOT® Surface Drains are manufactured to meet AASHTO M252, AASHTO M294 or ASTM F230. It is made from a flexible conduit, which is designed to attain its structural strength utilizing ring compression derived from soil pressure. For this to occur, a minimum height of cover is required. Since this is not possible, the drain must be backfilled with concrete to allow it to accept vehicular traffic. This is true of any pipe with an inlet mounted on top to form this type of surface drain. The pipe cannot function in the manner for which it was designed when it is installed this close to the surface. The concrete-filled trench provides the actual structure for this type of design.

### Following are some of the most often utilized installation details for DURASLOT® surface drains:

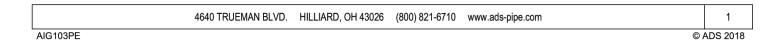
(A) Heavy Traffic - surrounded by concrete for critical loading applications. This would include frequent high-speed HS-20 traffic, such as a highway. The dimensions 'S' is generally 3" to 6" depending on the specific conditions for the project (design layout, traffic patterns, soil properties, etc.)

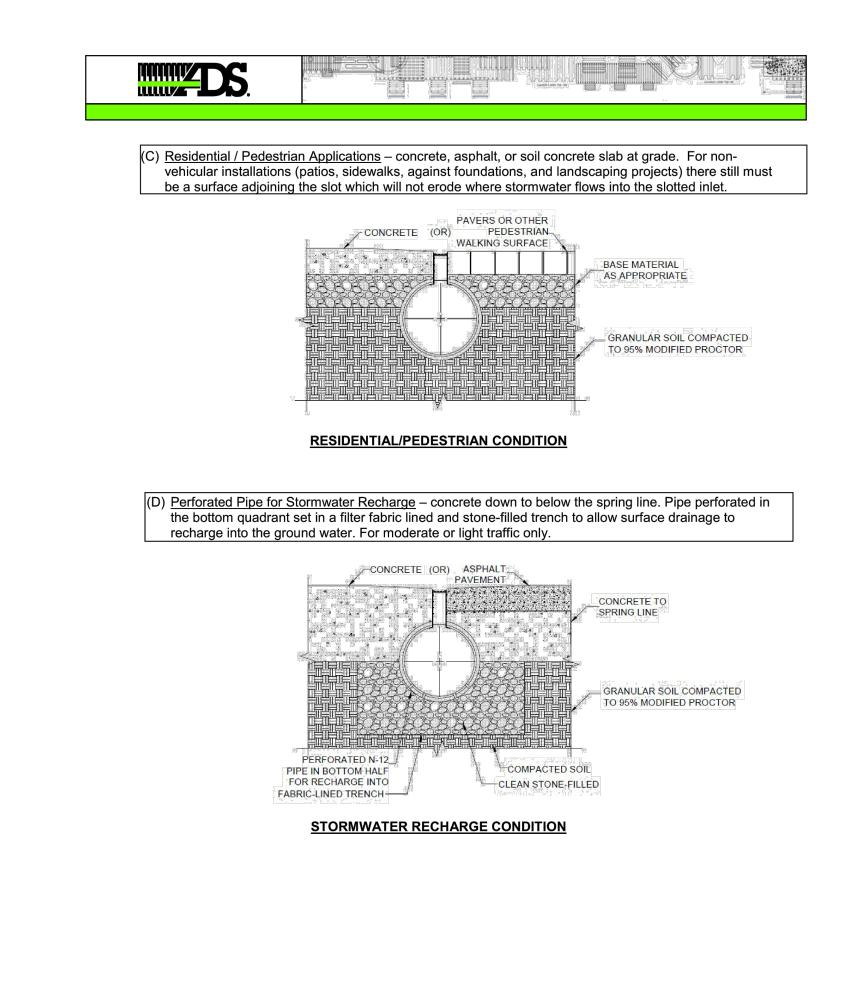


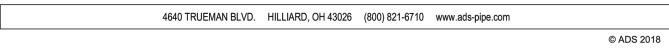
(B) Moderate Traffic - surrounded by concrete to below the center of the pipe. This type of installation has been used when traffic loads are not as heavy (i.e., retail parking lots, against curbs, etc.). The soil below the pipe and concrete must be high quality and well compacted.

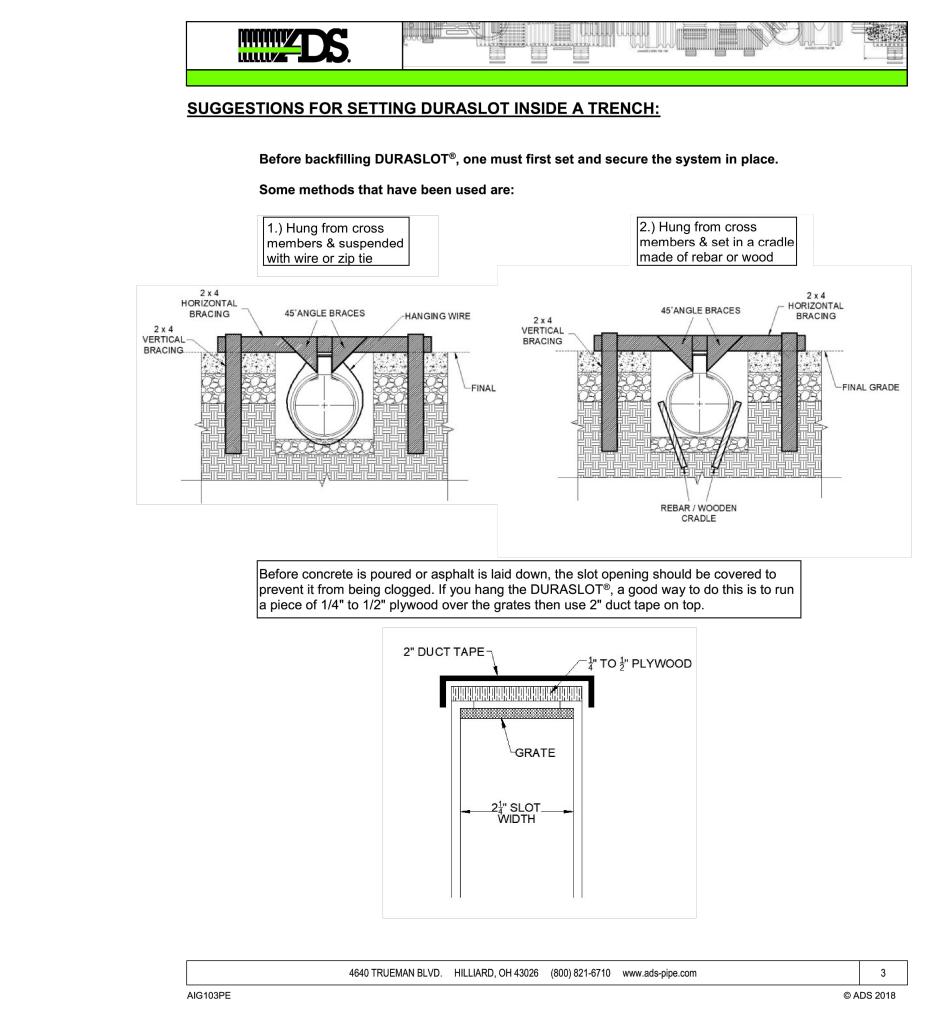


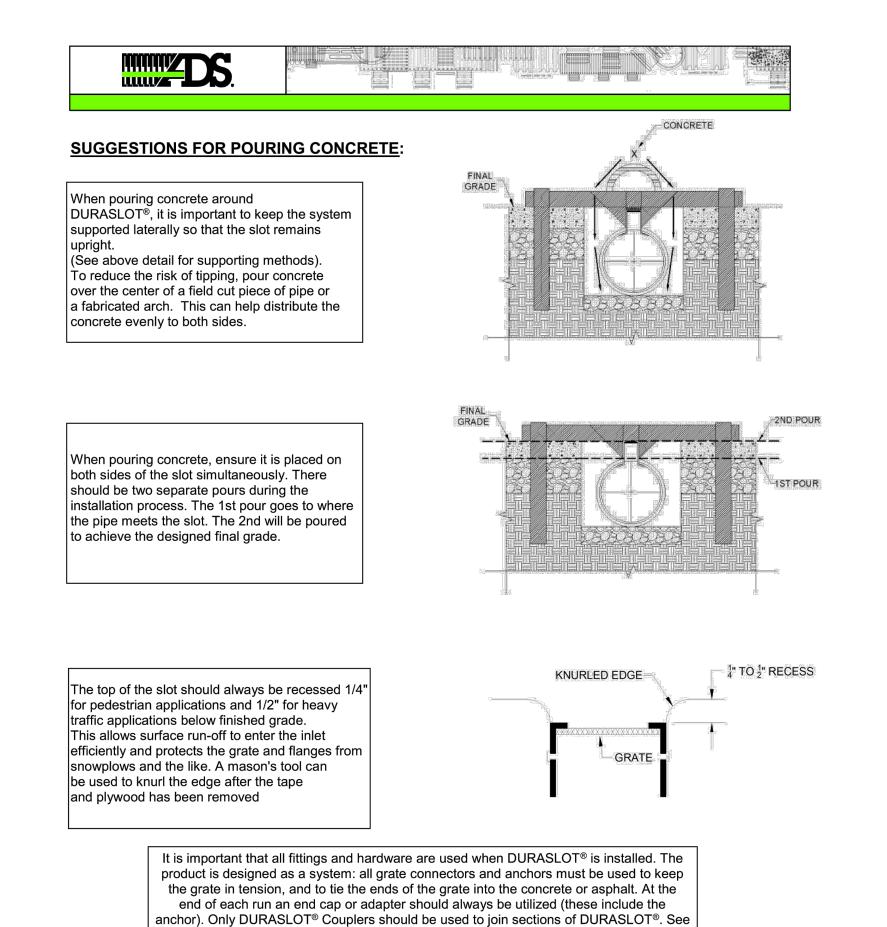
**MODERATE TRAFFIC CONDITION** 





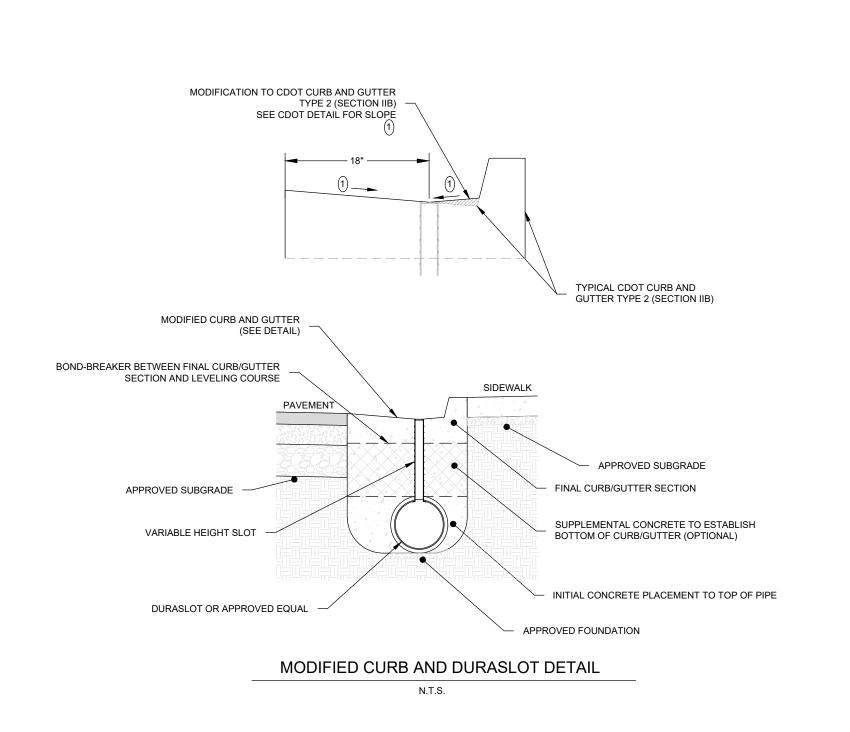


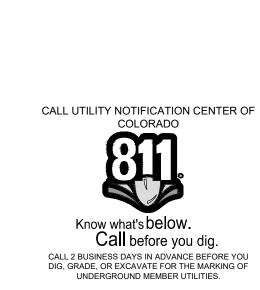




the Assembly Details for more information.

4640 TRUEMAN BLVD. HILLIARD, OH 43026 (800) 821-6710 www.ads-pipe.com



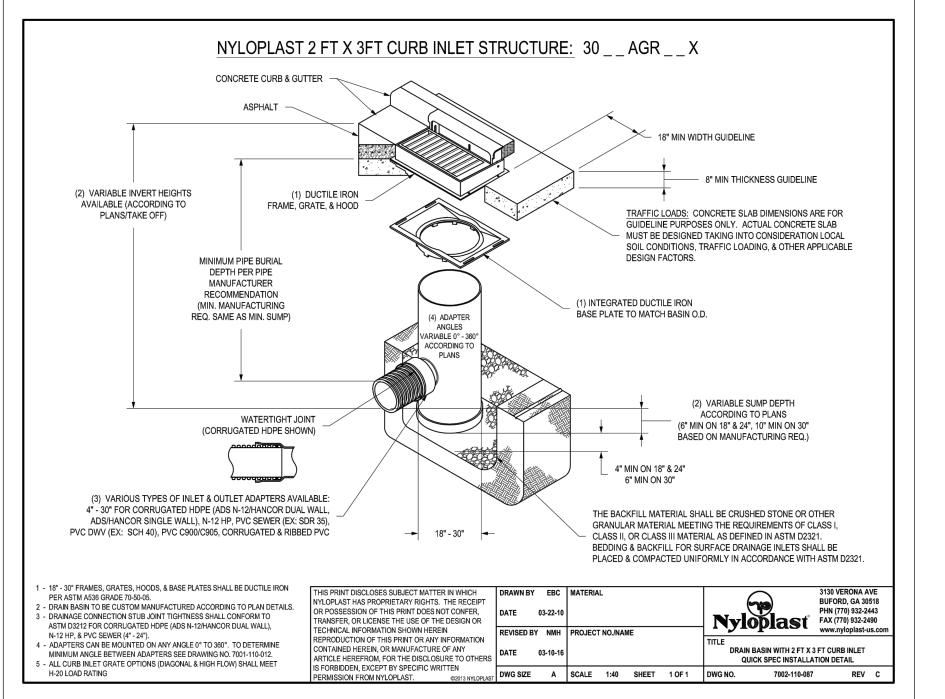


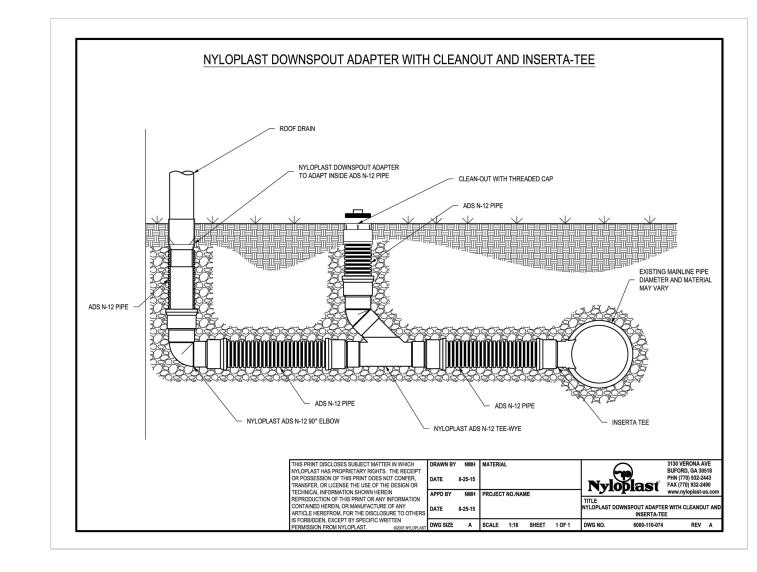
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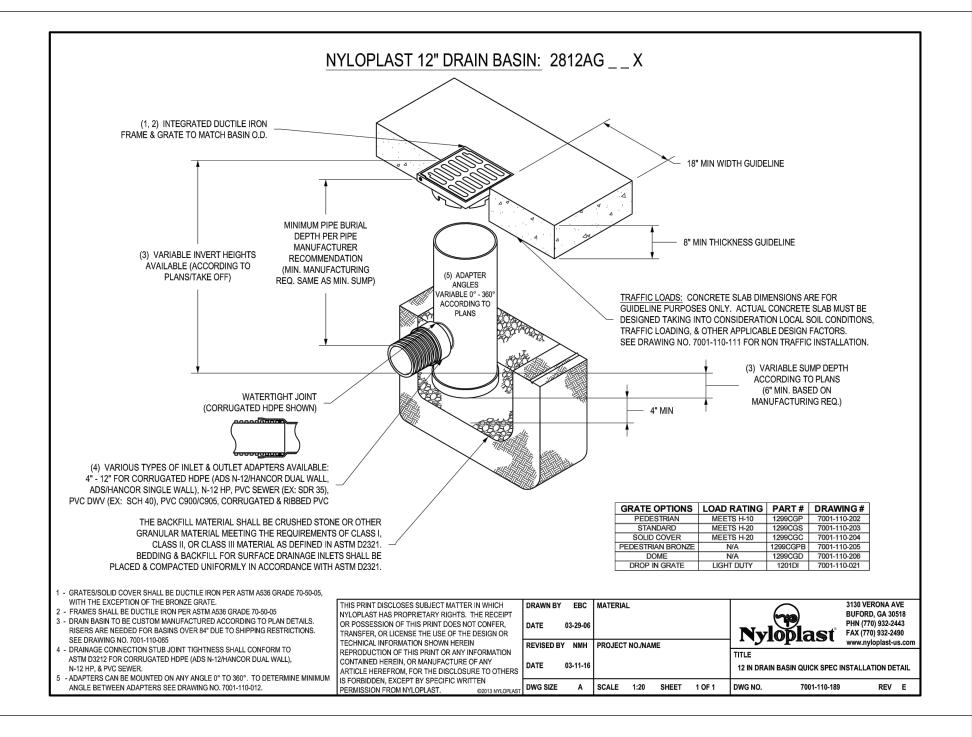
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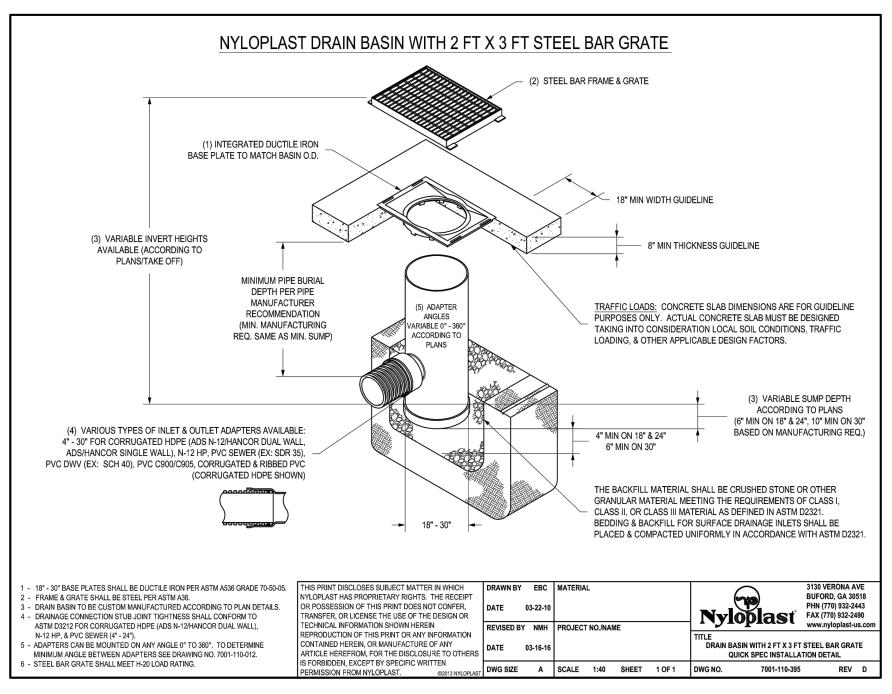
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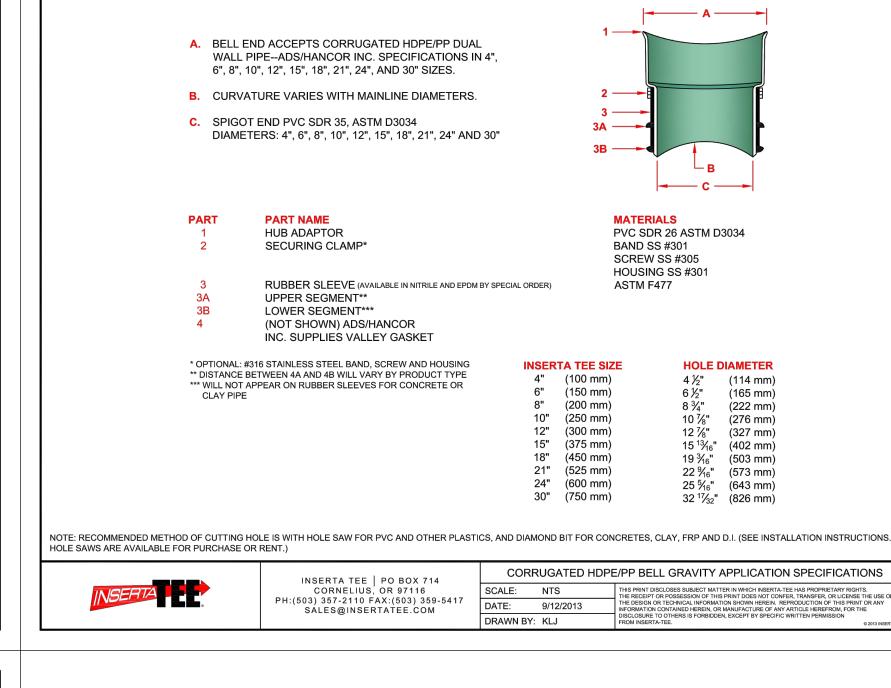


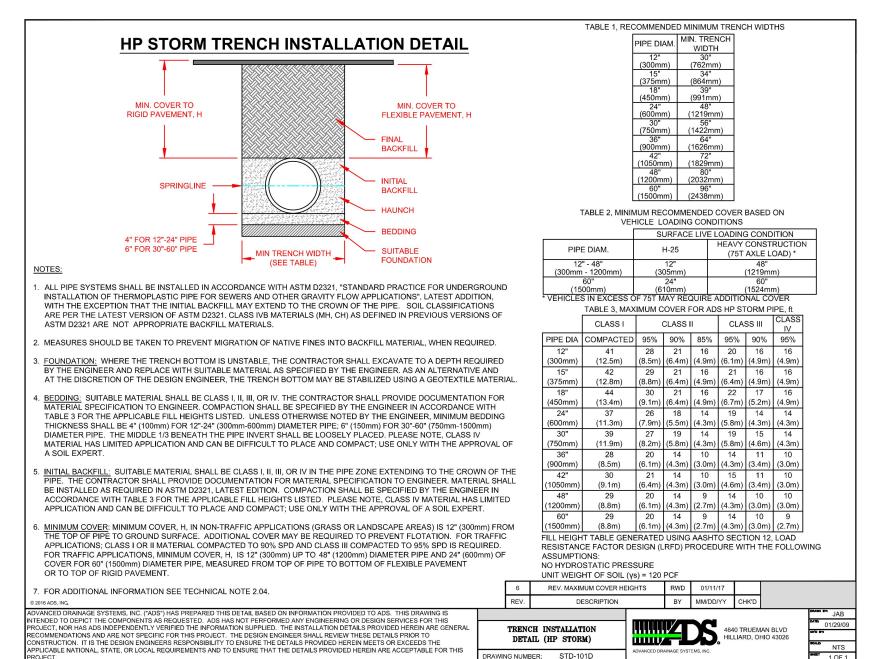


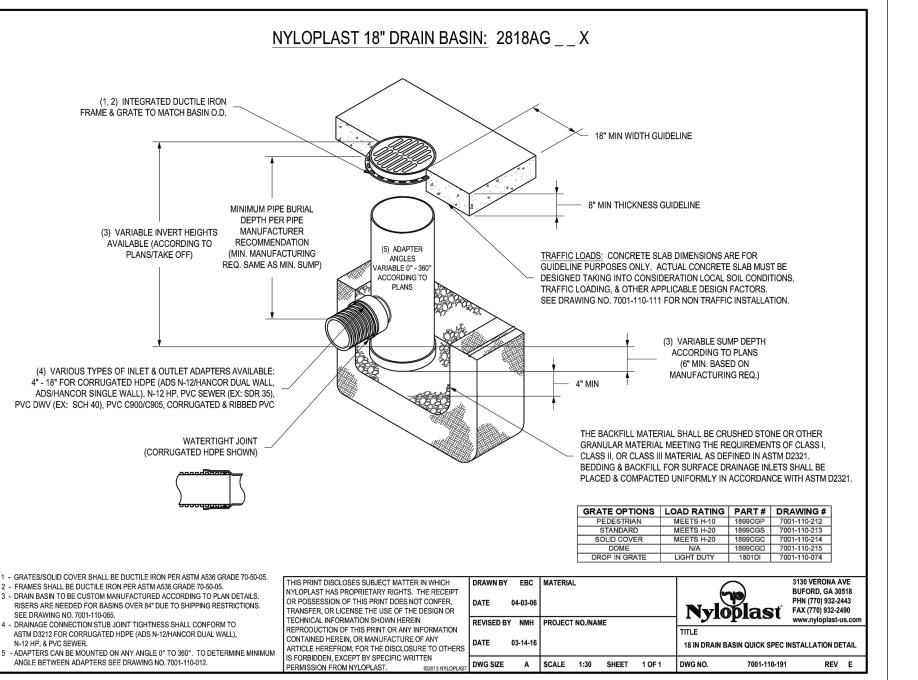
**CORRUGATED HDPE/PP BELL GRAVITY APPLICATIONS** 











## SECTION 2723

### ENGINEERED SURFACE DRAINAGE PRODUCTS

PVC SURFACE DRAINAGE INLETS SHALL BE OF THE CURB INLET STRUCTURE TYPE AS INDICATED ON THE CONTRACT DRAWINGS AND REFERENCED WITHIN THE CONTRACT SPECIFICATIONS. THE DUCTILE IRON FRAME, GRATE AND HOOD FOR EACH OF THESE STRUCTURES ARE TO BE CONSIDERED AN INTEGRAL PART OF THE SURFACE DRAINAGE INLET AND SHALL BE FURNISHED BY THE SAME MANUFACTURER. THE CURB INLET STRUCTURE SHALL BE AS MANUFACTURED BY NYLOPLAST A DIVISION OF ADVANCED DRAINAGE SYSTEMS, INC. OR PRIOR APPROVED EQUAL.

THE CURB INLET STRUCTURE REQUIRED FOR THIS CONTRACT SHALL BE MANUFACTURED FROM PVC PIPE STOCK, UTILIZING A THERMO-MOLDING PROCESS TO REFORM THE PIPE STOCK TO THE SPECIFIED CONFIGURATION. THE DRAINAGE PIPE CONNECTION STUBS SHALL BE MANUFACTURED FORM PVC PIPE STOCK AND FORMED TO PROVIDE A WATERTIGHT CONNECTION WITH THE SPECIFIED PIPE SYSTEM. THIS JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR JOINTS FOR DRAIN AND SEWER PLASTIC PIPE USING FLEXIBLE ELASTOMERIC SEALS. THE FLEXIBLE ELASTOMERIC SEALS SHALL CONFORM TO ASTM F477. THE PIPE BELL SPIGOT SHALL BE JOINED TO THE MAIN BODY OF THE STRUCTURE. THE RAW MATERIAL USED TO MANUFACTURE THE PIPE STOCK THAT IS USED TO MANUFACTURE THE MAIN BODY AND PIPE STUBS OF THE SURFACE DRAINAGE INLETS SHALL CONFORM TO ASTM D1784 CELL CLASS 12454.

THE GRATE, FRAME AND HOOD FOR ALL CURB INLET STRUCTURES SHALL BE DUCTILE IRON AND SHALL BE MADE SPECIFICALLY FOR EACH SO AS TO PROVIDE A ROUND BOTTOM FLANGE THAT CLOSELY MATCHES THE DIAMETER OF THE PVC STRUCTURE BODY. THE GRATE, FRAME AND HOOD SHALL BE CAPABLE OF SUPPORTING H-20 WHEEL LOADING FOR TRAFFIC AREAS. THE HOOD SECTION WILL HAVE A SOLID BACK AND BE ADJUSTABLE BY USE OF THREE (3) LOCKING HEX HEAD BOLTS. THE METAL USED IN THE MANUFACTURE OF THE CASTINGS SHALL CONFORM TO <u>ASTM A536 GRADE 70-50-05 FOR DUCTILE IRON.</u>

THE SPECIFIED PVC SURFACE DRAINAGE INLET SHALL BE INSTALLED USING CONVENTIONAL FLEXIBLE PIPE BACKFILL MATERIALS AND PROCEDURES. THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS 1, CLASS 2, OR CLASS 3 MATERIAL AS DEFINED IN ASTM D2321. BEDDING AND BACKFILL FOR THE CURB INLET STRUCTURE SHALL BE PLACED AND COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321. THE CURB INLET STRUCTURE BODY WILL BE CUT AT THE TIME OF THE FINAL GRADE. NO BRICK, STONE OR CONCRETE BLOCK WILL BE REQUIRED TO SET THE GRATE TO THE FINAL GRADE HEIGHT. FOR H-20 LOAD RATED INSTALLATIONS, A CONCRETE RING WILL BE POURED UNDER THE FRAME, GRATE, AND HOOD. THE CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, AND OTHER APPLICABLE DESIGN FACTORS. FOR OTHER INSTALLATION CONSIDERATIONS SUCH AS MIGRATION OF FINES, GROUND WATER, AND SOFT FOUNDATIONS REFER TO ASTM D2321 GUIDELINES.

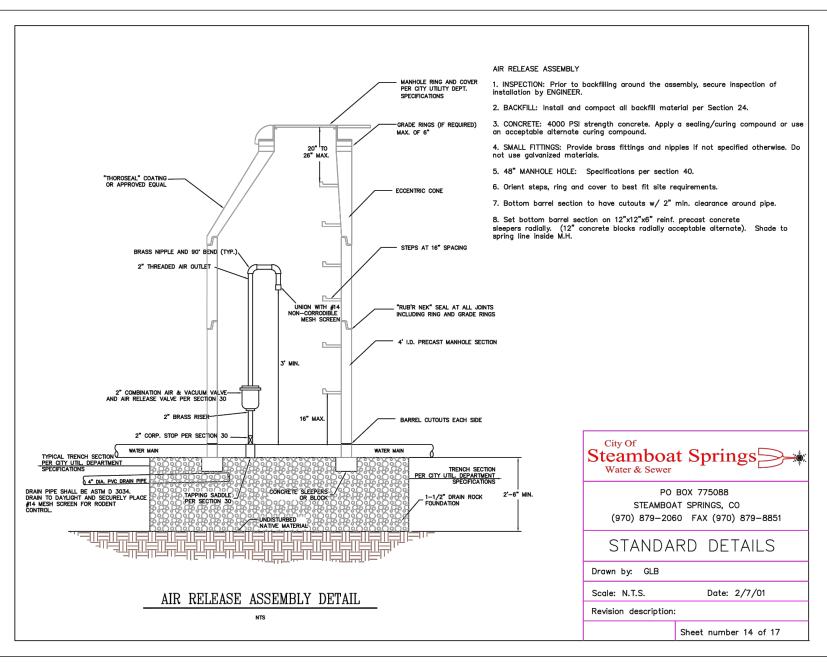
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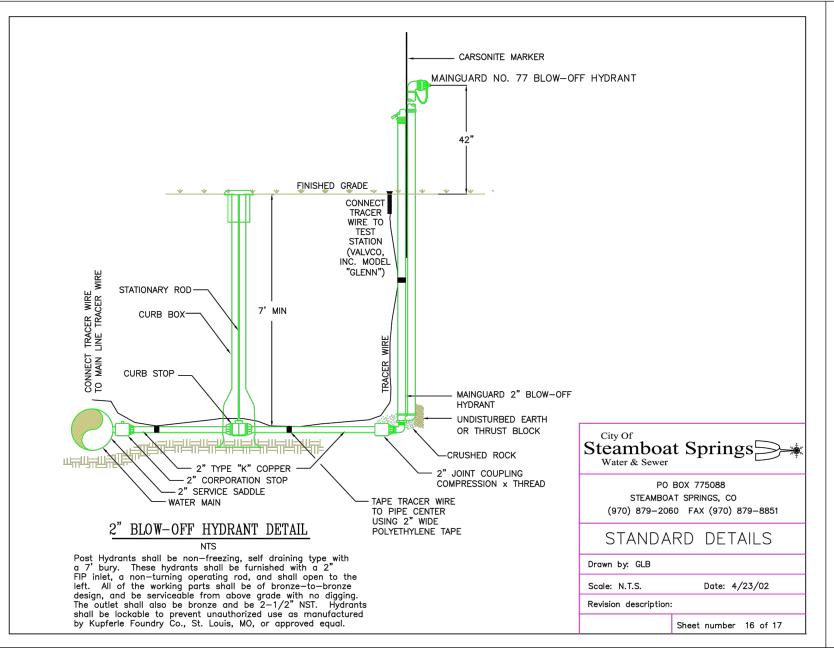


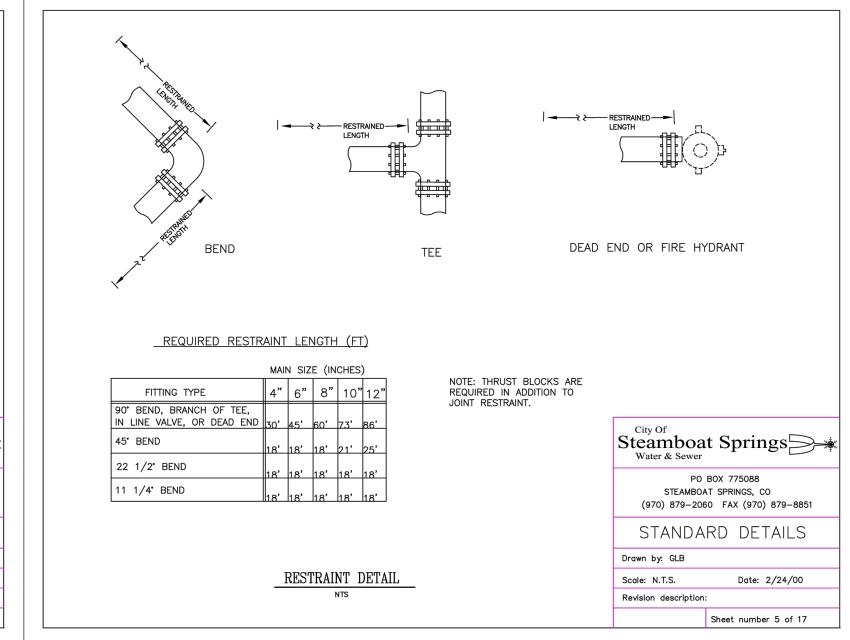
DIG. GRADE, OR EXCAVATE FOR THE MARKING OF

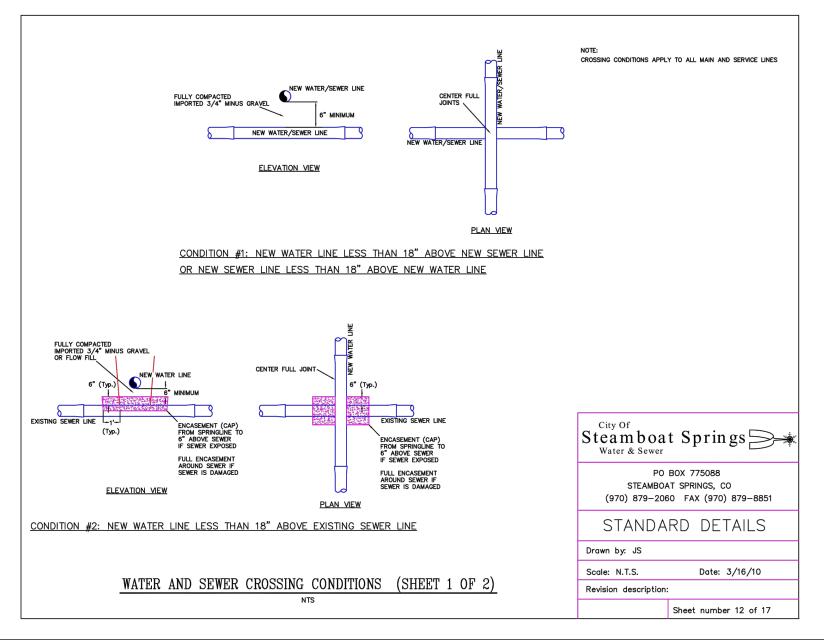
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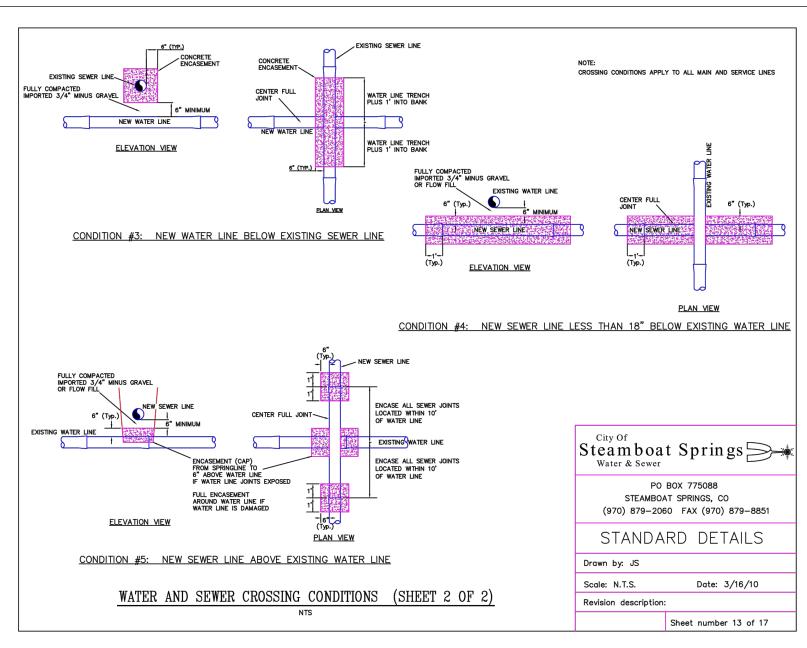
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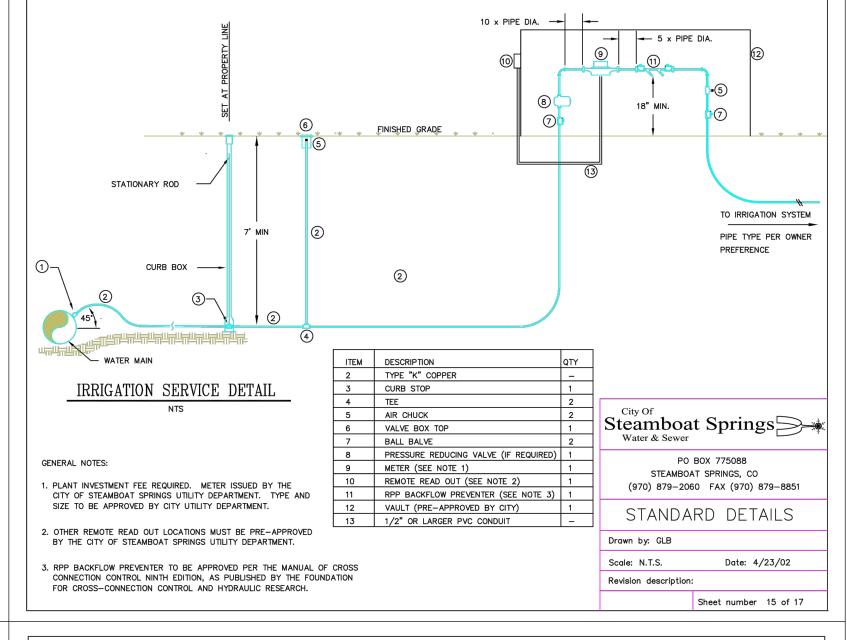


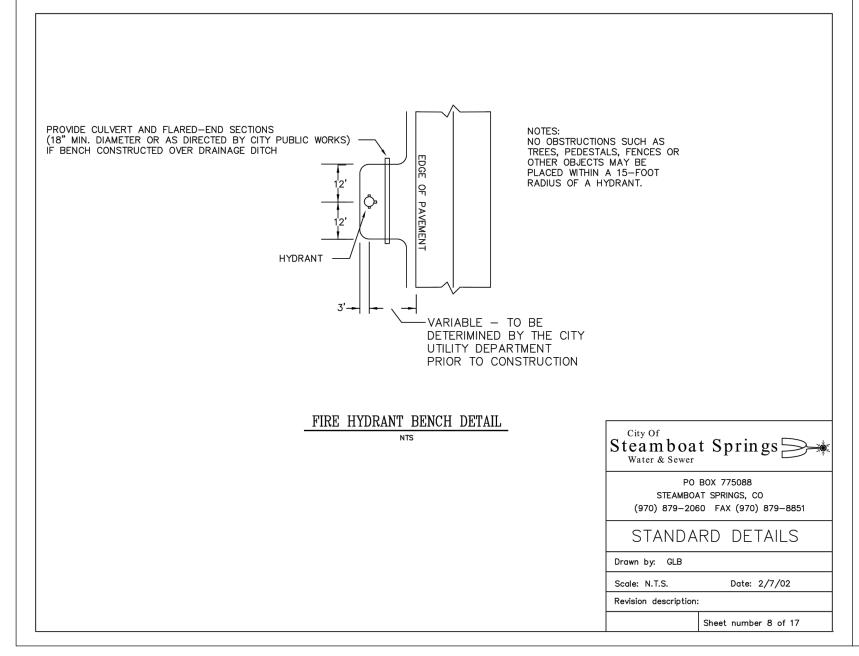


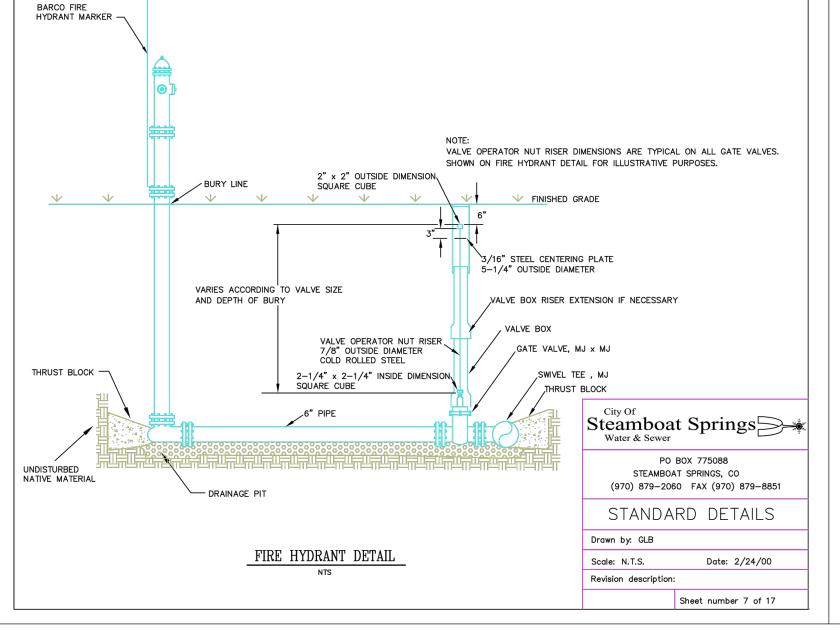


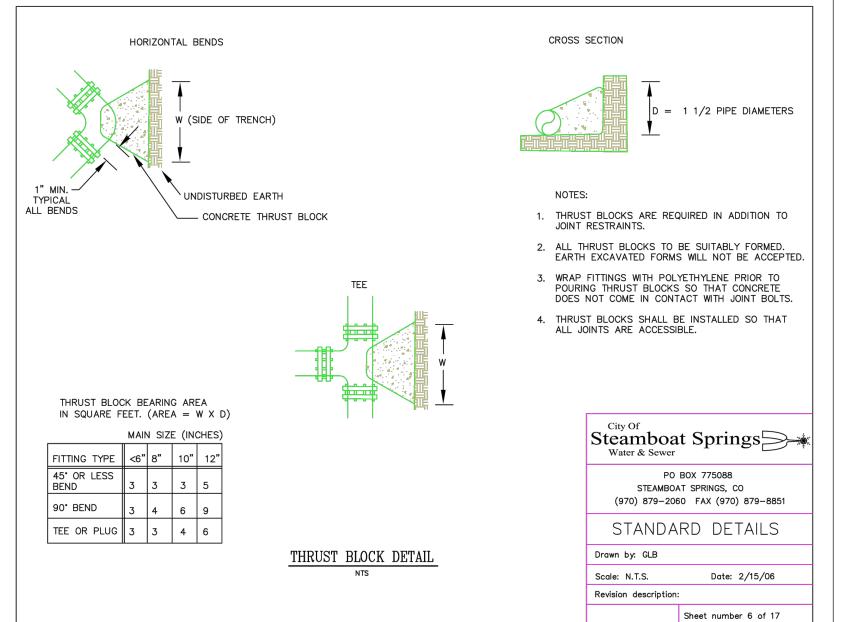














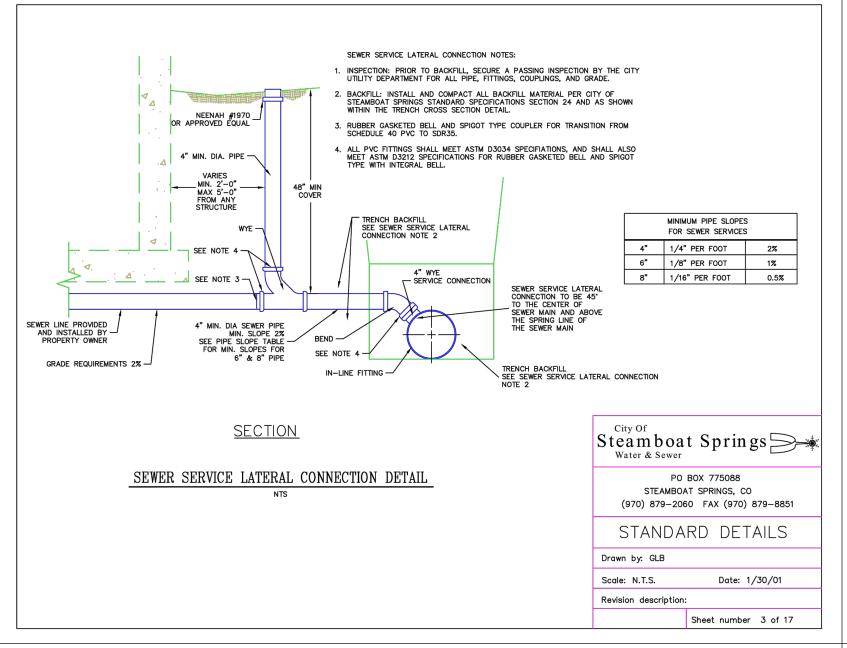
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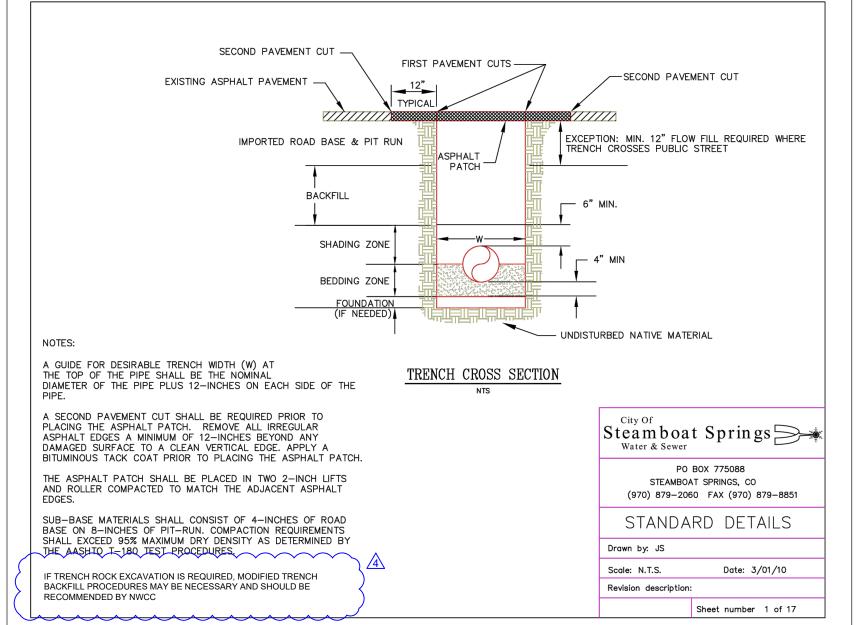
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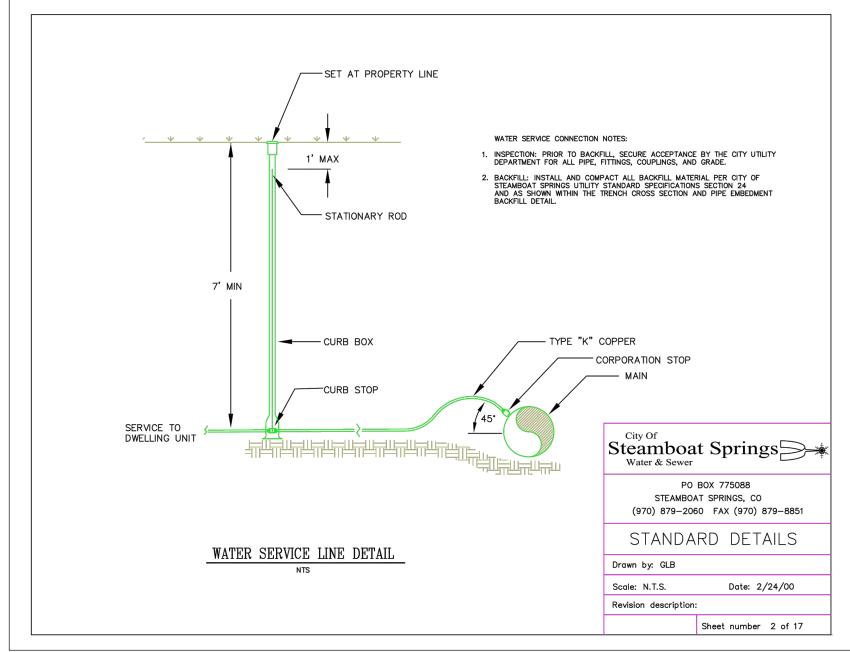
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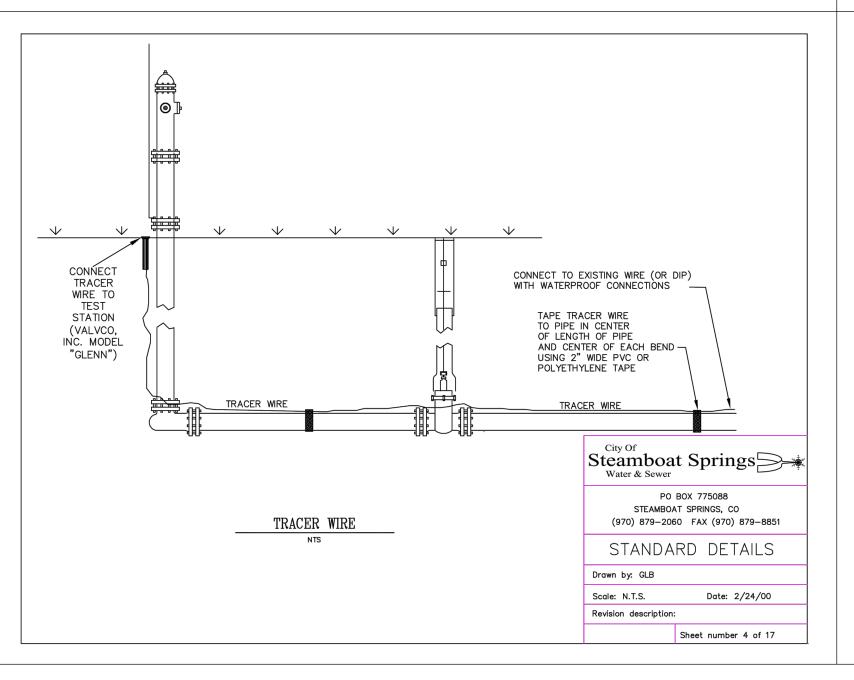
NOTE: THE INFORMATION SHOWN HEREON ARE FROM THE CITY OF STEAMBOAT SPRINGS UTILITY'S STANDARD SPECIFICATIONS FOR WATER AND WASTEWATER UTILITIES AND ARE INCLUDED HEREON FOR CONVENIENCE ONLY. REFER TO THE THEIR STANDARDS FOR FULL INFORMATION AND REQUIREMENTS.

NOTES:		MANHOL	E DIMENS	IONS	
HEAVY DUTY FOR H-20 LOAD REQUIREMENTS	DIMENS	ION (	CITY	SUPPLIER	
MIN. TENSILE STRENGTH SHALL BE 35,000 PSI	A		24"		
ALL HORIZONTAL BEARING SURFACES SHALL BE A MACHINED SURFACE	AA		1/8"		
COVER TO BE SUPPLIED WITH MANUFACTURER'S STANDARD TRACTION SURFACE	В		1"		
MAY BE SUPPLIED WITHOUT MUDRING (DIM FF)	BB		3/8"		
DIMENSIONS A, AA, B, AND BB SHALL NOT VARY	С		- 1/8"		
			•		
BB (PICK OPENING)	D		<u> </u>		
	E		34"		
	F (Typ.	) 7"	to 8"		
<b>A</b>	FF	0"	to 1/2"		
A MANUALE LID TO BE	- G	;	3/4"		
MANHOLE LID TO BE  CLEARLY MARKED "SEWER"  AA	Lid Wei	ght ±	145		
B B B B B B B B B B B B B B B B B B B	Total W	/eight ±	345		
F					
FF Annual Control of the Control of		Steambo Water & Sew	oat Spi	rings	
G C		STEAM	PO BOX 7750 BOAT SPRING 2060 FAX (		
		STAND	ARD D	ETAILS	
D		Drawn by: GLB	Drawn by: GLB		
		Scale: N.T.S.	Do	nte: 4/10/03	
E		Revision descript	ion:		







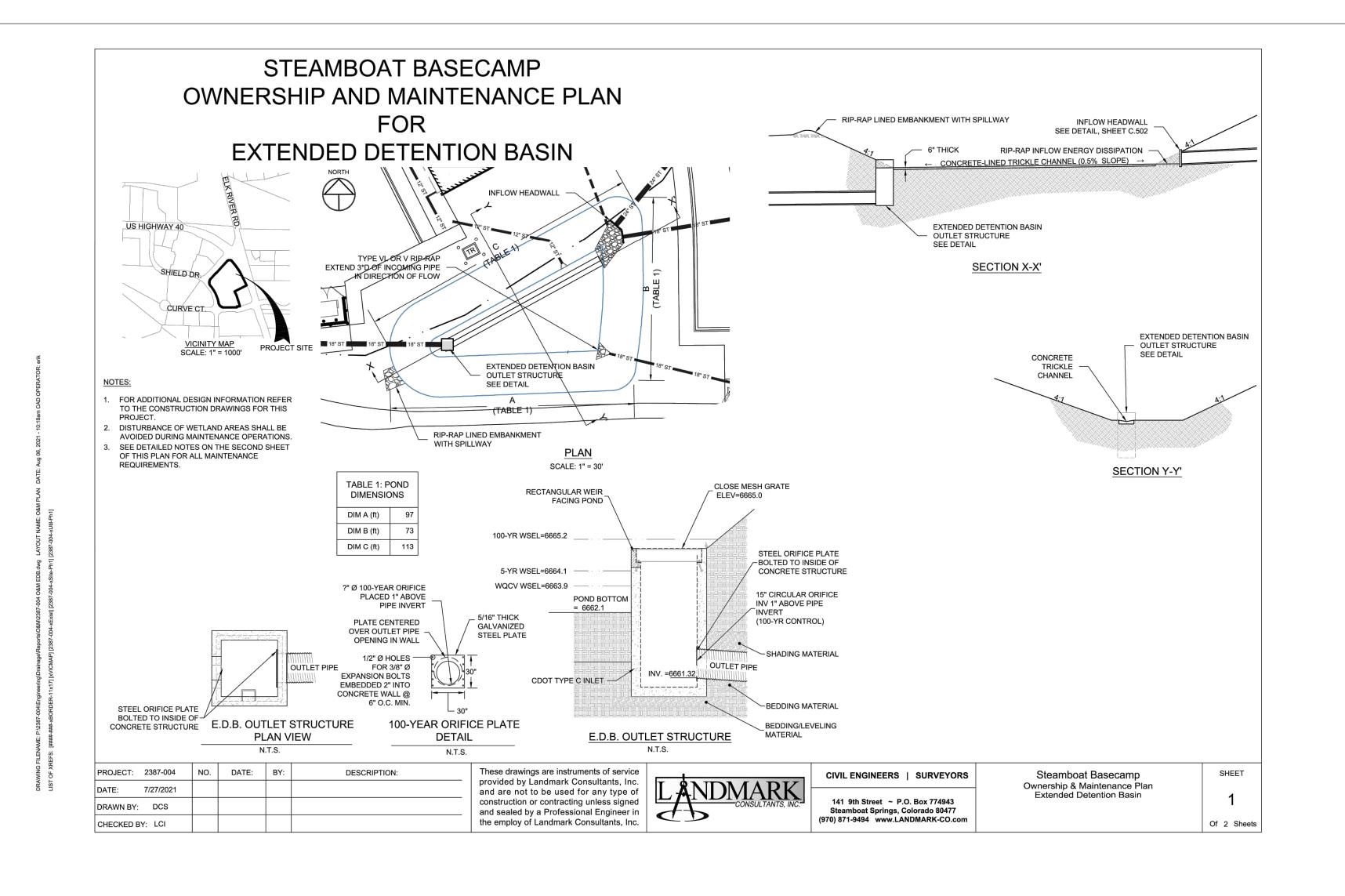


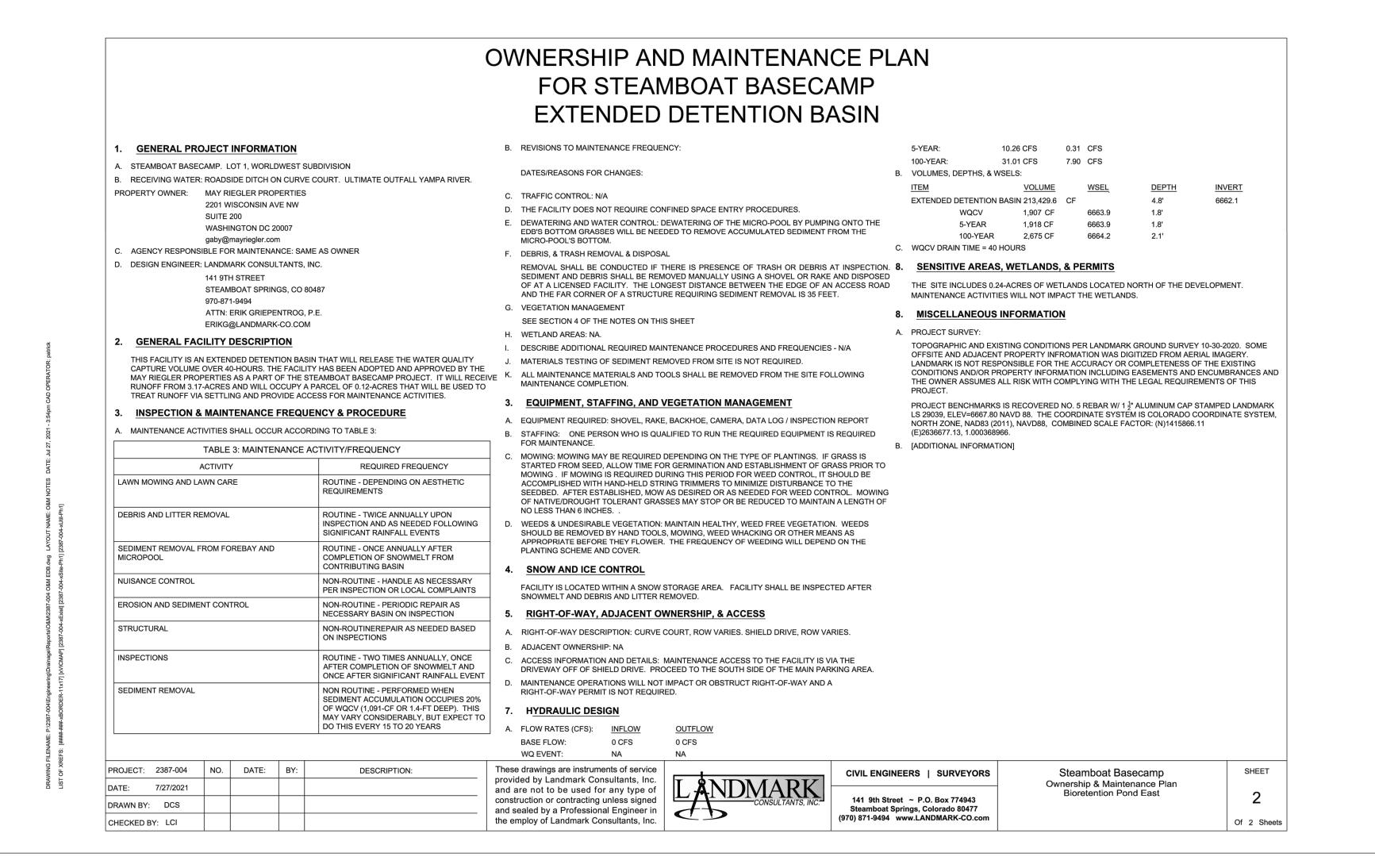
NOTE: THE INFORMATION SHOWN HEREON ARE FROM THE CITY OF STEAMBOAT SPRINGS UTILITY'S STANDARD SPECIFICATIONS FOR WATER AND WASTEWATER UTILITIES AND ARE INCLUDED HEREON FOR CONVENIENCE ONLY. REFER TO THE THEIR STANDARDS FOR FULL INFORMATION AND REQUIREMENTS.

CALL UTILITY NOTIFICATION CENTER OF COLORADO Know what's **below**. Call before you dig. CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF

Details

SHEET C.508





CALL UTILITY NOTIFICATION CENTER OF COLORADO

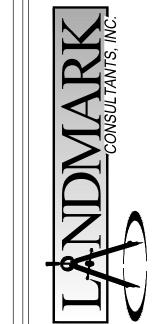
Know what's below.

Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU

DIG GRADE OR EXCAVATE FOR THE MARKING OF

SURVEYORS 1 SURVEYORS 141 9th Street ~ P.O. Box 774943 Steamboat Springs, Colorado 80477 (970) 871-9494 www.LANDMARK-CO.com



These drawings are instruments of service provided by Landmark Consultants, Inc. and are not to be used for any type of construction or contracting unless signed and sealed by a Professional Engineer in the employ of Landmark

PATE: BY: DESCRIPTION:

REVIEW SETTION

NOT FOR CONSTRUCTION

8/5/21

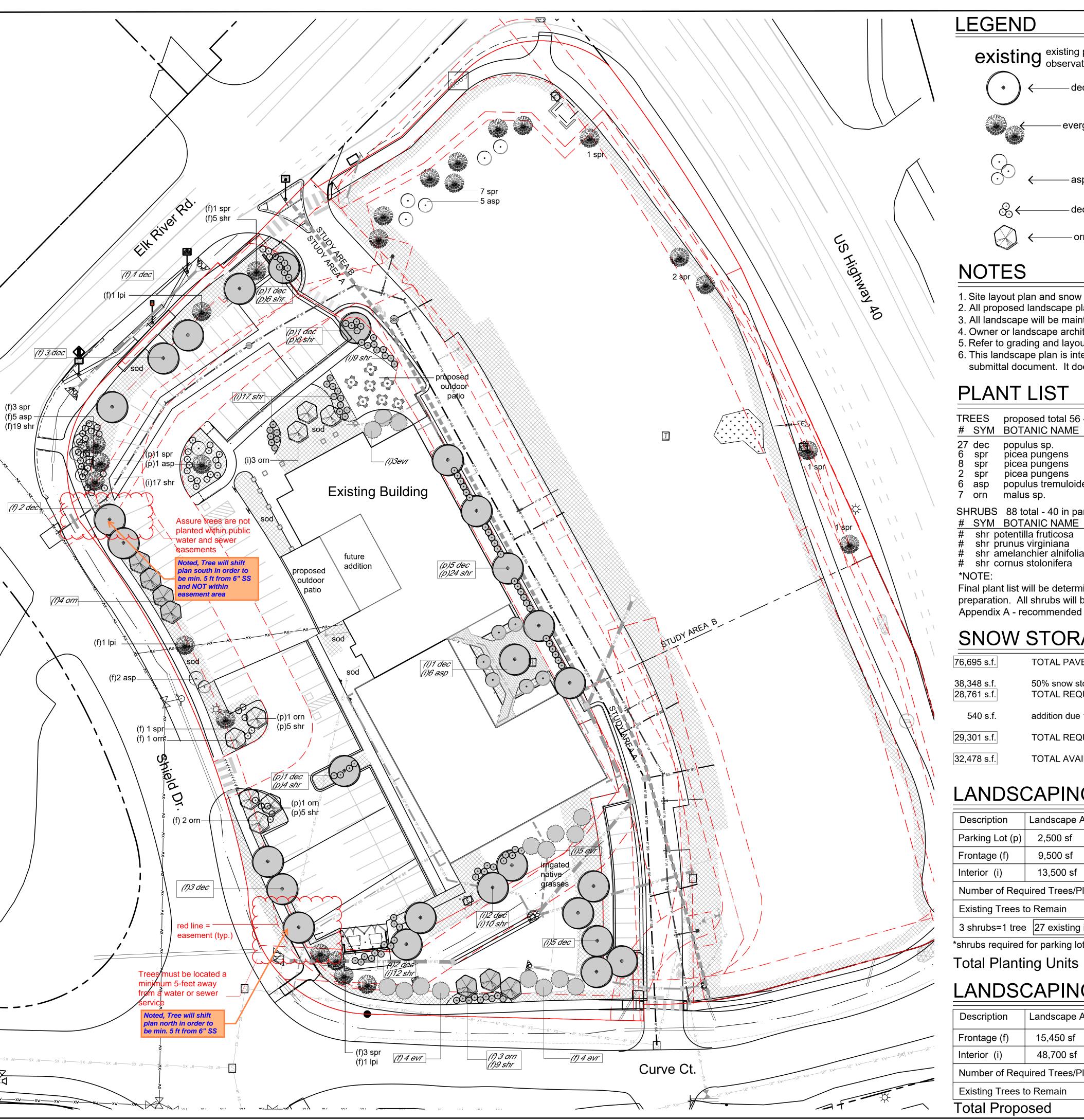
DATE: 8-5-21

CONTACT: Grip

EMAIL: erikg@landmark-co.com

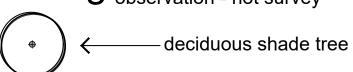
ile (EDR O&M)

SHEET



## LEGEND

existing existing plants are per field observation - not survey











— deciduous shade tree

- deciduous shrubs – ornamental tree

## NOTES

- 1. Site layout plan and snow storage calculations provided by Landmark Consultants Inc.
- 2. All proposed landscape plantings will be under an automatic irrigation system.

— deciduous shrubs

ornamental tree

- 3. All landscape will be maintained in a professional manner to industry standard.
- 4. Owner or landscape architect to approve layout of all proposed work prior to installation. 5. Refer to grading and layout and materials plans for additional information on all proposed work.
- 6. This landscape plan is intended only as a City of Steamboat Springs planning submittal document. It does not contain the necessary information for construction.

## PLANT LIST

TREES proposed total 56 - 27 large deciduous, 16 evergreen,13 aspen/ornamenta							
# SYM	BOTANIC NAME	COMMON NAME	SIZE				
6 spr 8 spr 2 spr 6 asp	populus sp. picea pungens picea pungens picea pungens populus tremuloides	cottonwood colorado spruce colorado spruce colorado spruce quaking aspen ornamental crabtree	2.5" cal. 6'-7' ht. 8'-9' ht. 10' ht 2" cal.				
	malus sp.  88 total - 40 in parking lot, 48 s	shrub for tree substitution	2" cal. SIZE				
# shr po							

# shr prunus virginiana # shr amelanchier alnifolia native chokecherry saskatoon serviceberry colorado dogwood # shr cornus stolonifera

Final plant list will be determined at time of construction document

preparation. All shrubs will be low water usage plants and be within Appendix A - recommended plant list - in the Community Development Code.

## SNOW STORAGE CALCULATIONS

TOTAL PAVED AREA

38,348 s.f.

50% snow storage requirement TOTAL REQUIRED (after 25% reduction for elevation)

addition due 18 evergreen trees in storage areas

TOTAL REQUIRED 29,301 s.f.

32,478 s.f. TOTAL AVAILABLE

## LANDSCAPING STANDARDS TABLE - STUDY AREA A

Description	Landscape Area	CS Zone district Requirements	Required	Existing	Proposed	Evr Tree		Dec Tree		II.	Tree
Parking Lot (p)	2,500 sf	1 tree/200sf + 4 shrubs/200sf	12/50*	4/10	8/40*	1	0	0	8	3	0
Frontage (f)	9,500 sf	Category EC - 1tree/200sf	48	21	24/3	11	8	0	8	10	7
Interior (i)	13,500 sf	Category EC3 - 1tree/500sf	27	3	24	0	8	0	11	3	6
Number of Required Trees/Planting Units		87				•					
Existing Trees to Remain			28								
3 shrubs=1 tree 27 existing in frontage=0 trees 48 proposed= int. 16 trees			0	16							
*shrubs required for parking lot landscape not a part of shrub for tree substitution		on	28	59			•		1		
T ( I DI (					07						

# LANDSCAPING STANDARDS TABLE - STUDY AREA B

Description	Landscape Area	CS Zone district Requirements	Required	Existing	Proposed		Tree		Dec Tree ex pro		Tree
Frontage (f)	15,450 sf	Category EC - 1tree/200sf	77	17	0	12		0	0	0	5
Interior (i)	48,700 sf	Category EC3 - 1tree/500sf	97	0	0	7	0	0	0	6	0
Number of Required Trees/Planting Units		174									
Existing Trees to Remain			17								
Total Proposed					0						

date 4-9-2020 city submittal rev. 7-14-2020 city submittal

plan

rev. 4-20-21

rev. 6-18-21

rev. 6-23-21

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