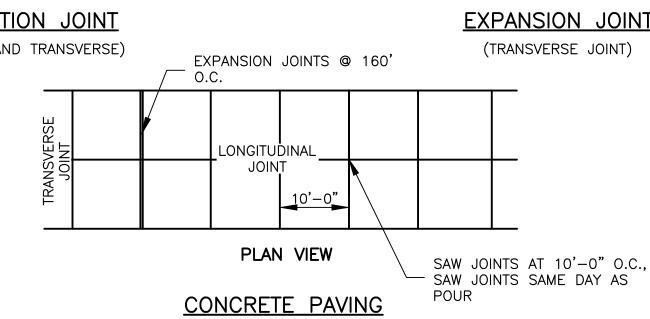


REGA

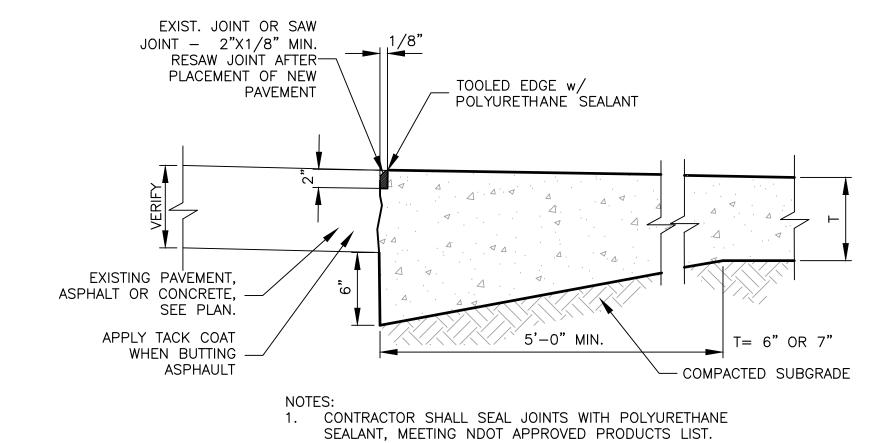
DATE 90% REVIEW | 06/30/23



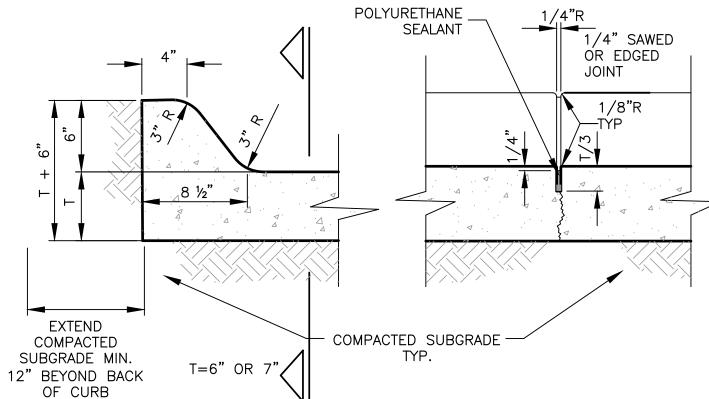
1. PROVIDE EXPANSION JOINT IN CONCRETE PAVEMENT AND CURB AND GUTTER AT THE SAME LOCATION.

- 2. CONTRACTOR SHALL SEAL JOINTS WITH POLYURETHANE SEALANT, MEETING NDOT APPROVED PRODUCTS LIST.
- 3. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, PRIOR TO CONSTRUCTION, A CONCRETE PAVEMENT JOINTING PLAN FOR REVIEW AND APPROVAL. MAXIMUM SPACING ON A TRANSVERSE JOINT SHALL BE DETERMINED BY THE THICKNESS OF PAVEMENT, CONTACT ENGINEER.





THICKENED EDGE CONCRETE PAVEMENT NO SCALE

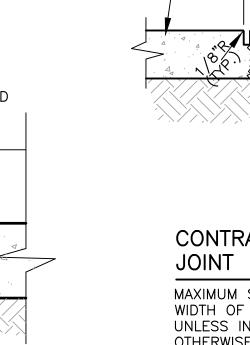


INTEGRAL CURB SECTION

SECTION CONTRACTION JOINT

1. CONTRACTOR SHALL SEAL JOINTS WITH POLYURETHANE SEALANT, MEETING NDOT APPROVED PRODUCTS LIST.

2 INTEGRAL CURB DETAIL



CONTRACTION

ROUGH BROOM

FINISH (TYP.)

MAXIMUM SPACING = WIDTH OF THE WALK UNLESS INDICATED OTHERWISE ON PLANS

CONSTRUCTION **JOINT**

SUBSEQUENT

COMPACTED -

SUBGRADE TYP.

POUR

USE ONLY WHERE CONSTRUCTION JOINTS WOULD OCCUR

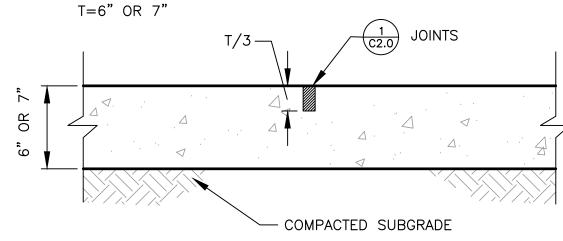
SEALANT TO 1/8" BELOW SURFACE COMPACTED SUBGRADE ⅓" PREMOLDED

EXPANSION JOINT

SPACE AS SHOWN ON LAYOUT PLAN (@ 40' MAX.) AND WHERE ABUTTING ALL STRUCTURES, PAVEMENT AND

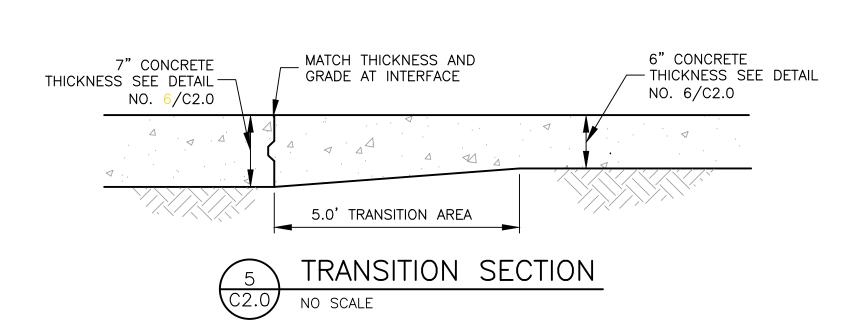
- 1. WHEN ABUTTING EXISTING SIDEWALK, MATCH EXISTING PATTERN LOCATION OF CONTROL AND EXPANSION JOINTS UNLESS OTHERWISE INDICATED.
- 2. PROVIDE 1/2" E.J. WITH SEALANT WHEN ABUTTING BACK OF CURB AND STRUCTURES.
- 3. ALL SIDEWALKS SLOPE AT 2% AWAY FROM BUILDING OR TOWARD CURBS UNLESS SHOWN OTHERWISE.
- 4. CONTRACTOR SHALL SEAL JOINTS WITH POLYURETHANE SEALANT, MEETING NDOT APPROVED PRODUCTS LIST.





1. CONTRACTOR SHALL SEAL JOINTS WITH POLYURETHANE SEALANT, MEETING NDOT APPROVED PRODUCTS LIST.

6" OR 7" CONCRETE PAVEMENT NO SCALE





SHEET NO.

MISC DETAILS

C2.0

E SENIOR VILLAS T & BETTEN DRIVE ETE, NE 68333 CRETE 29th ST CRE1

PROJECT

231057

REGA

ENGINEERING

601 OLD CHENEY RD., SUITE A LINCOLN, NEBRASKA 68512 (402).484.7342 ENGINEERING

PLANNING

LANDSCAPE

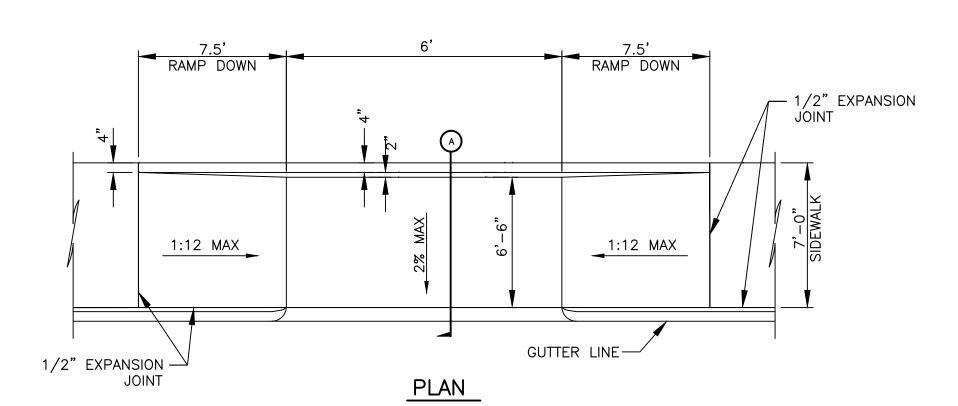
IRRIGATION

ISSUED FOR

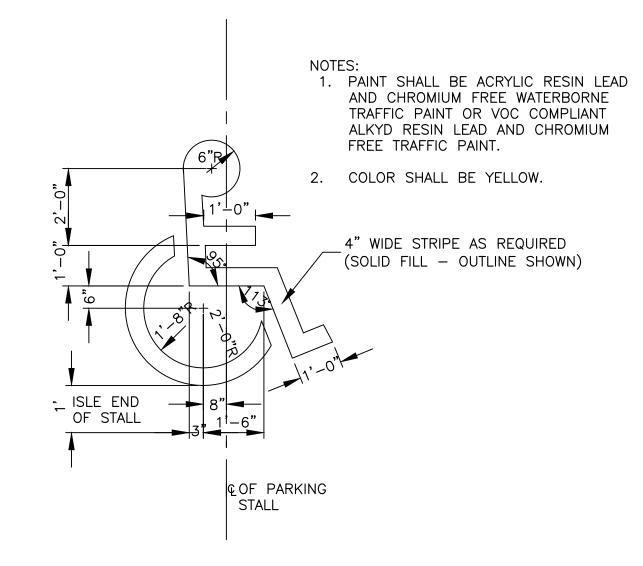
ARCHITECTURE LAND SURVEYING

90% REVIEW | 06/30/23

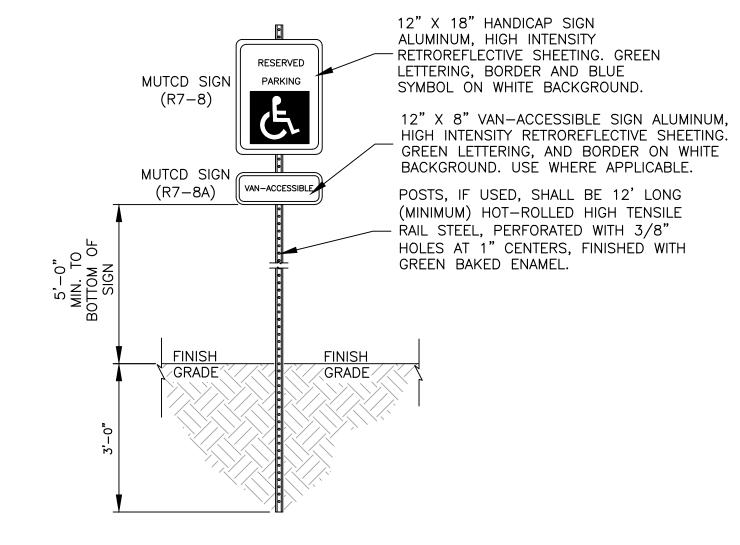
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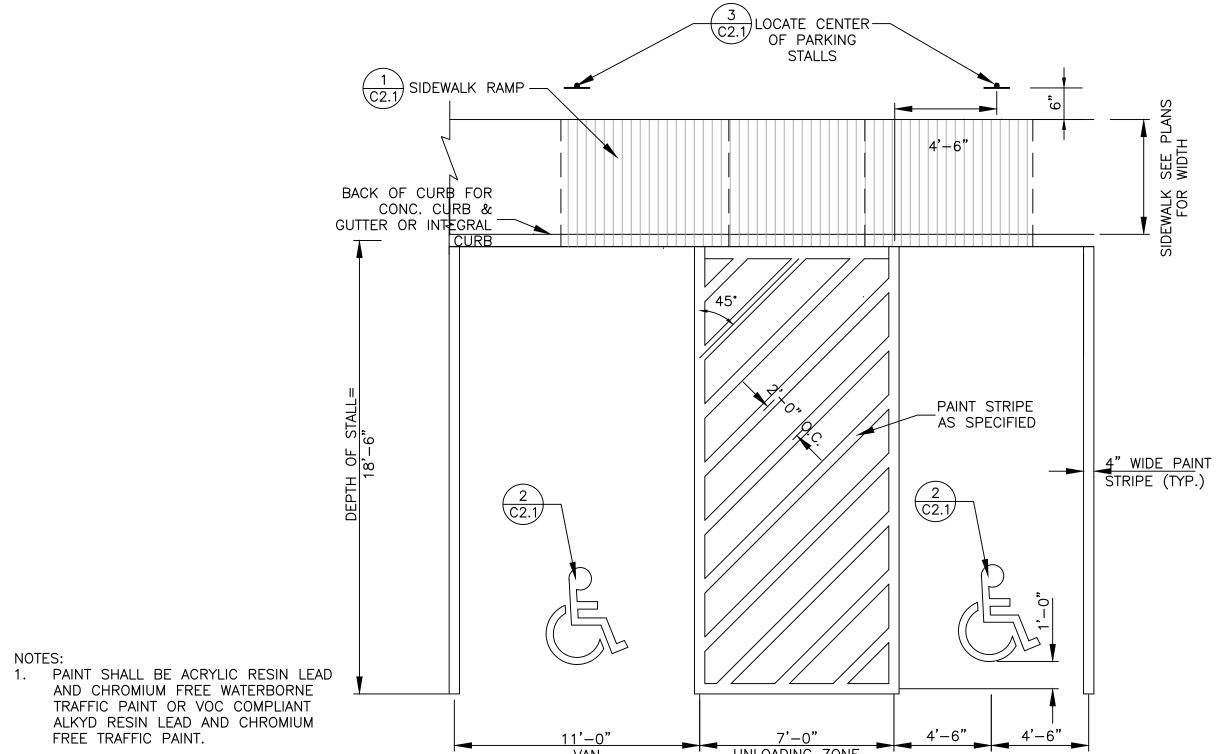




HANDICAP PAVEMENT SYMBOL NO SCALE



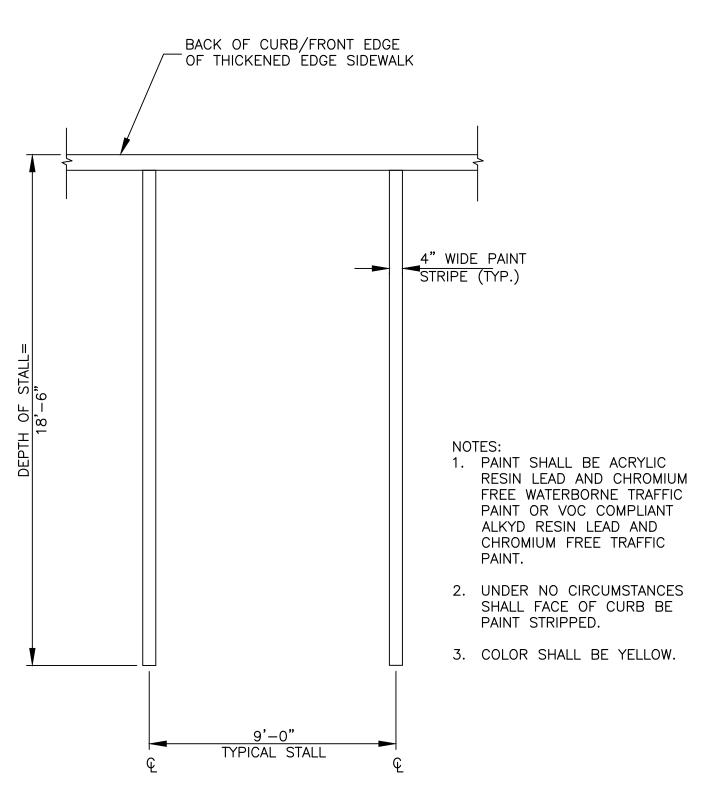
HANDICAP SIGN NO SCALE



- UNDER NO CIRCUMSTANCES SHALL FACE OF CURB BE PAINT STRIPED.
- 3. PLACE SIGN 36" BEHIND BACK OF CURB IF NO SIDEWALK IS PRESENT.
- 4. COLOR SHALL BE YELLOW

FREE TRAFFIC PAINT.





PARKING STALL PAINT STRIPING NO SCALE



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LINCOLN, NEBRASKA 68512

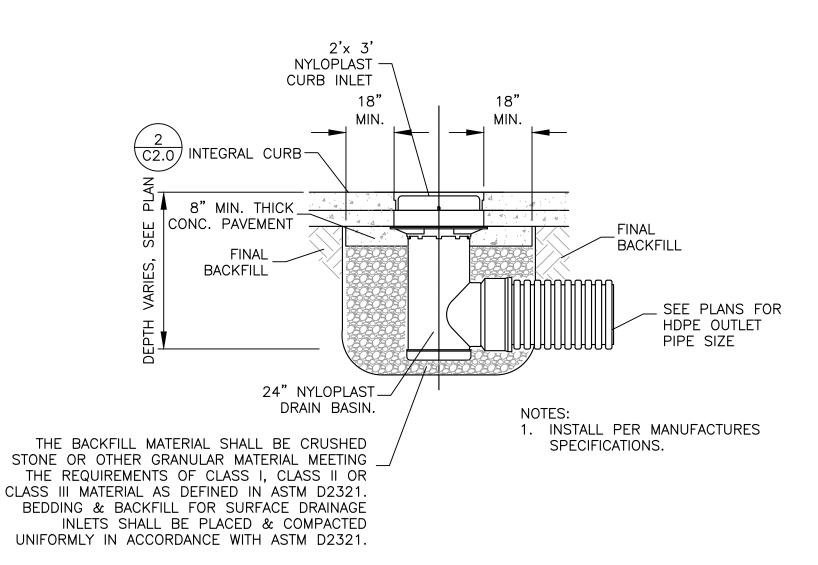
- (402).484.7342 ENGINEERING
- PLANNING
- LANDSCAPE ARCHITECTURE
- LAND SURVEYING
- IRRIGATION

DATE		
06/30/23		

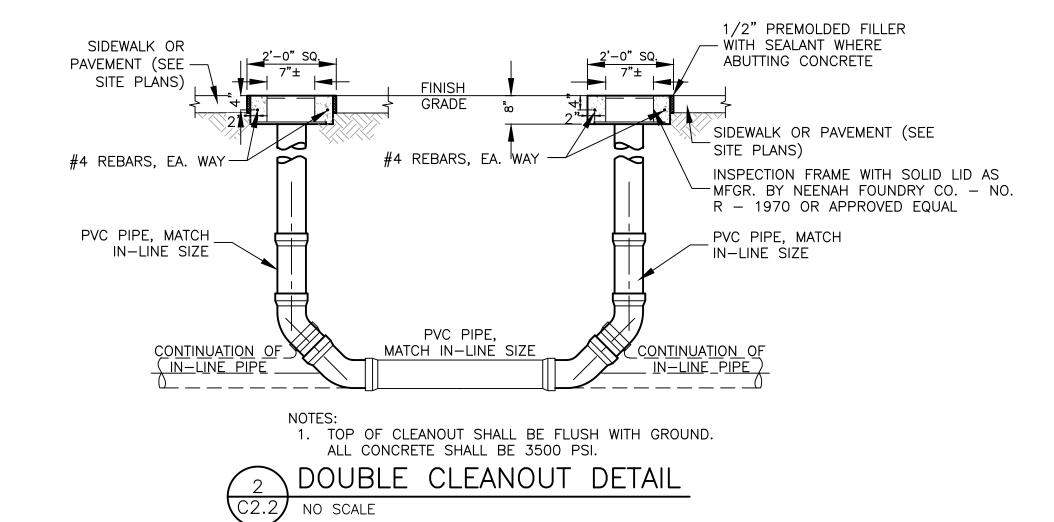
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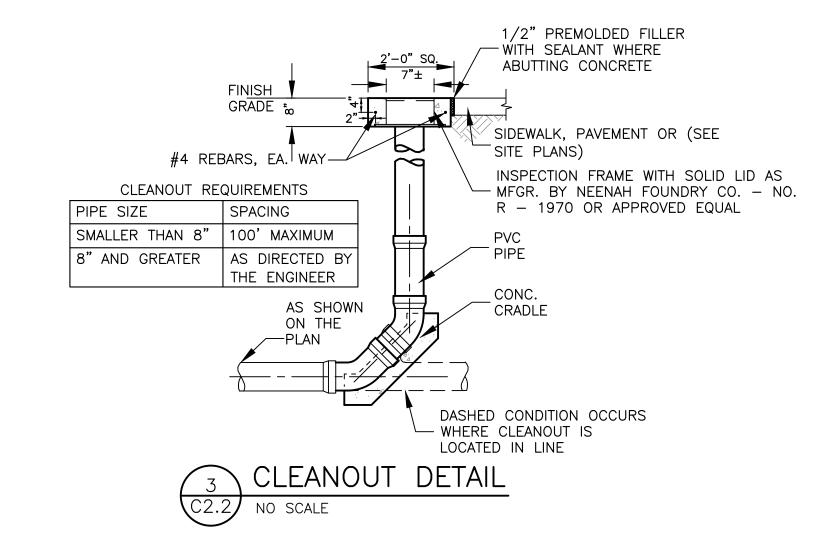


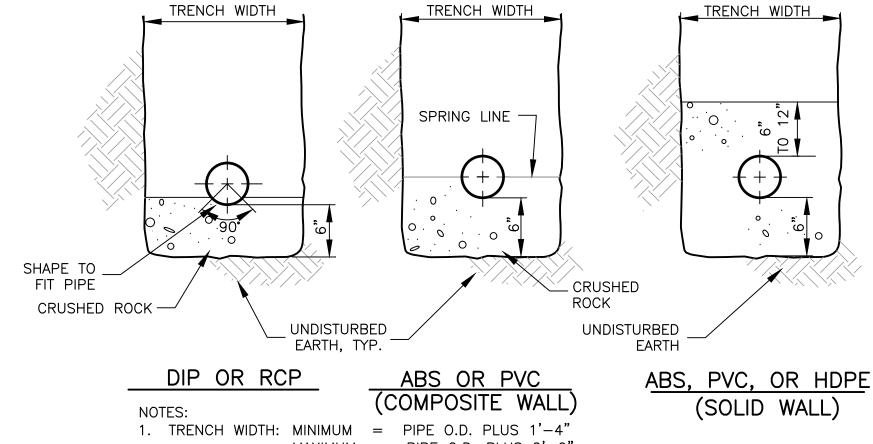
C2.1











MAXIMUM = PIPE O.D. PLUS 2'-0"2. CRUSHED ROCK FOR PIPE BEDDING FOR PIPES 15 INCHES IN DIAMETER AND SMALLER SHALL CONFORM TO GRADATIONS AS FOLLOWS: SIEVE SIZE PERCENTAGE PASSING

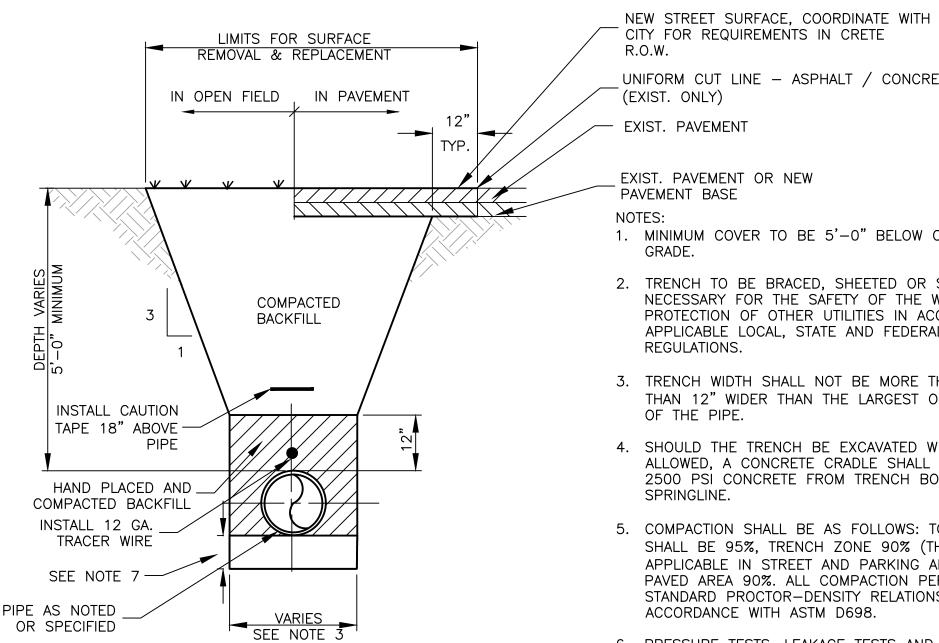
100 3/4 INCH 3/8 INCH 60 ± 15 30 ± 15 NO. 4 NO. 10 15 ± 10 NO. 200 5 ± 5

3. CRUSHED ROCK FOR PIPE BEDDING SHALL BE SUBSIDIARY TO THE COST OF THE PIPE. IF UNSTABLE TRENCH BOTTOM SUBGRADE CONDITIONS ARE ENCOUNTERED, ADDITIONAL CRUSHED ROCK FOR BEDDING AND EXTENT SHALL BE AS DIRECTED BY THE ENGINEER. THE COST, MEASUREMENT, AND PAYMENT FOR ADDITIONAL CRUSHED ROCK FOR UNSTABLE TRENCH BOTTOM SUBGRADE PIPE BEDDING CONDITIONS SHALL BE PAID FOR PER TON OF CRUSHED ROCK PLACED.

4. TRENCH SHALL BE BRACED, SHEETED OR SLOPED AS NECESSARY FOR THE SAFETY OF WORKMEN AND PROTECTION OF OTHER UTILITIES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

5. HDPE SHOWN IS FOR DRAINAGE AND NOT WELL FIELD. WHEN APPLICABLE, SEE MECHANICAL PLANS FOR WELL FIELD INFORMATION.





PIPE ENVELOPE—WATER NO SCALE

CITY FOR REQUIREMENTS IN CRETE UNIFORM CUT LINE - ASPHALT / CONCRETE (EXIST. ONLY) - EXIST. PAVEMENT EXIST. PAVEMENT OR NEW

PAVEMENT BASE 1. MINIMUM COVER TO BE 5'-0" BELOW OFFICIAL PAVEMENT GRADE.

2. TRENCH TO BE BRACED, SHEETED OR SLOPED AS NECESSARY FOR THE SAFETY OF THE WORKMAN AND PROTECTION OF OTHER UTILITIES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.

3. TRENCH WIDTH SHALL NOT BE MORE THAN 16" NOR LESS THAN 12" WIDER THAN THE LARGEST OUTSIDE DIAMETER OF THE PIPE.

4. SHOULD THE TRENCH BE EXCAVATED WIDER THAN ALLOWED, A CONCRETE CRADLE SHALL BE PLACED WITH 2500 PSI CONCRETE FROM TRENCH BOTTOM TO PIPE SPRINGLINE.

5. COMPACTION SHALL BE AS FOLLOWS: TOP 2.5' OF TRENCH SHALL BE 95%, TRENCH ZONE 90% (THIS IS ONLY APPLICABLE IN STREET AND PARKING AREAS), OUTSIDE PAVED AREA 90%. ALL COMPACTION PERCENTS ARE STANDARD PROCTOR-DENSITY RELATIONSHIP IN ACCORDANCE WITH ASTM D698.

6. PRESSURE TESTS, LEAKAGE TESTS AND DISINFECTION OF ALL WATER LINES SHALL BE AS REQUIRED BY LOCAL STANDARDS AND REQUIREMENTS.

7. IN LIEU OF HAND PLACED AND COMPACTED BACKFILL, ALL WATER LINES 3" OR BIGGER SHALL BE BEDDED WITH CRUSHED ROCK 6" BELOW TO 1' ABOVE TOP OF PIPE.

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ARCHITECTURE

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LANDSCAPE

IRRIGATION

ISSUED FOR

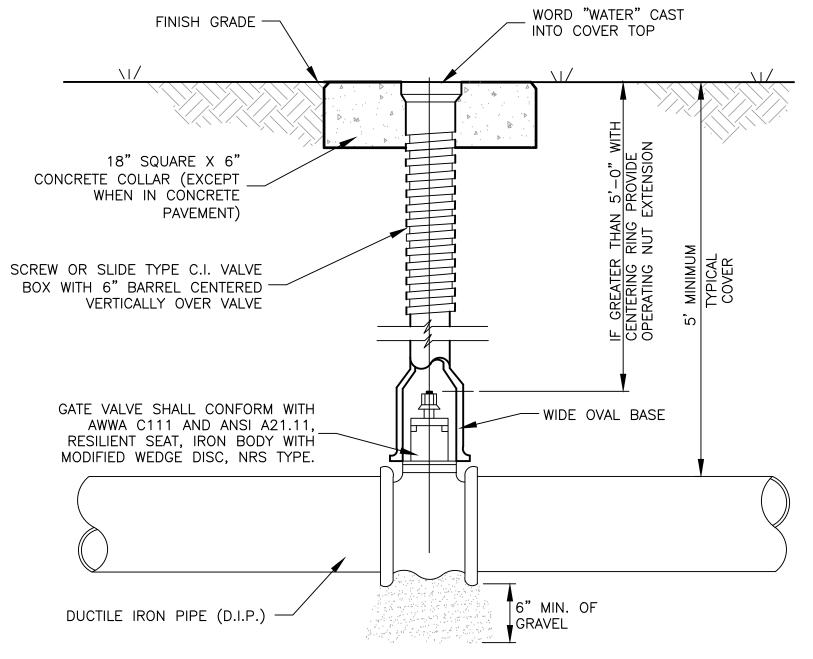
PLANNING



MISC DETAILS

Call before you dig.

SHEET NO.

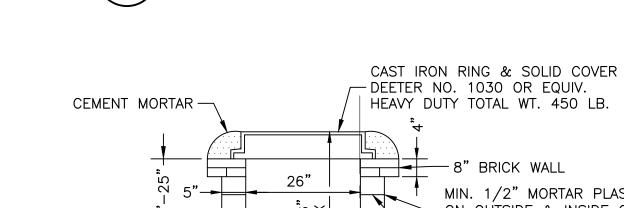


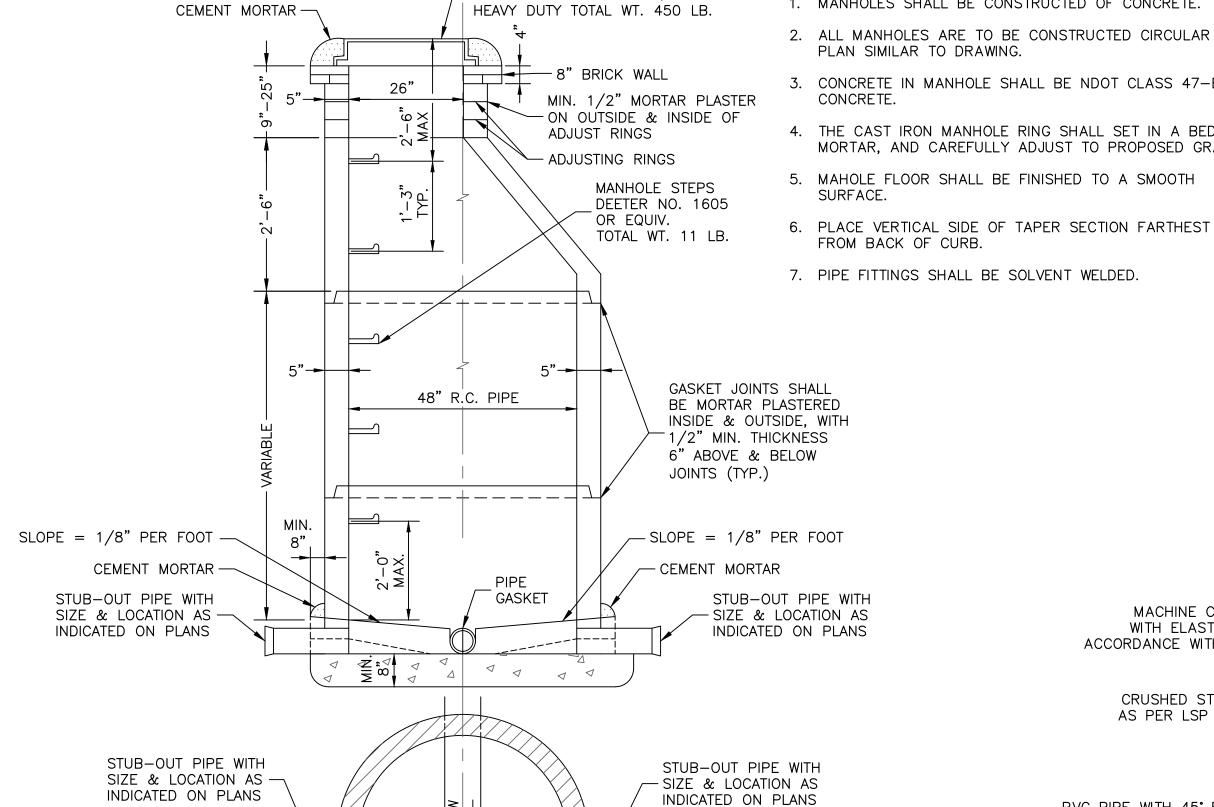
1. FITTING SHALL BE WRAPPED WITH 8 MIL MINIMUM THICKNESS POLYETHYLENE.

2. REDUCERS SHALL BE REQUIRED FOR CASES WHERE VALVE IS DOWN SIZED FROM PIPING.

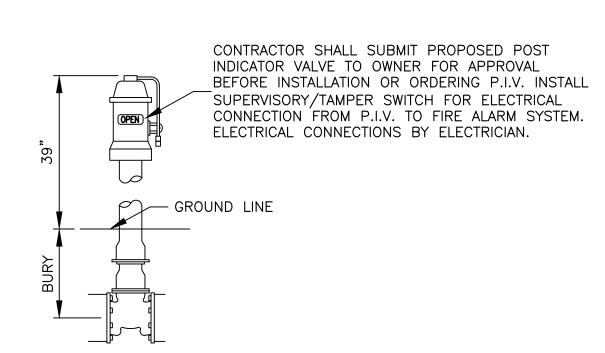


WATER VALVE BOX





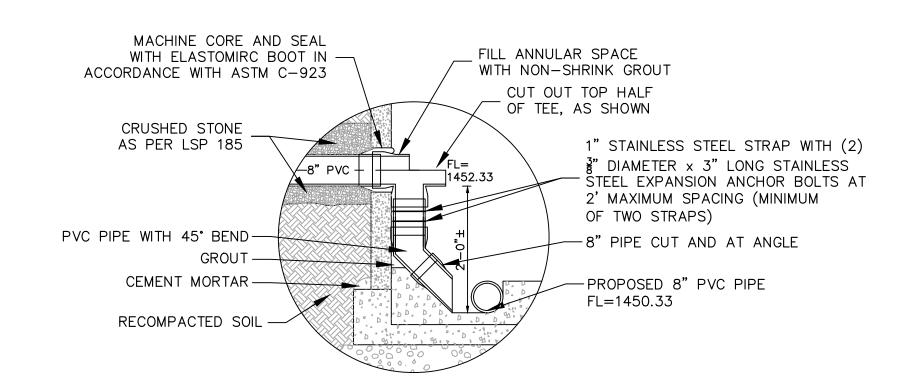
SANITARY SEWER MANHOLE NO SCALE





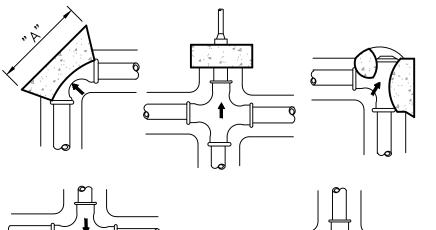
1. MANHOLES SHALL BE CONSTRUCTED OF CONCRETE.

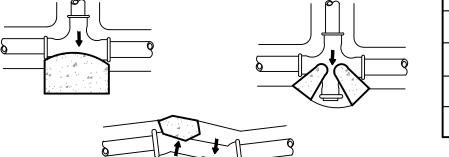
- 2. ALL MANHOLES ARE TO BE CONSTRUCTED CIRCULAR IN PLAN SIMILAR TO DRAWING.
- 3. CONCRETE IN MANHOLE SHALL BE NDOT CLASS 47-B
- 4. THE CAST IRON MANHOLE RING SHALL SET IN A BED OF MORTAR, AND CAREFULLY ADJUST TO PROPOSED GRADE.
- 5. MAHOLE FLOOR SHALL BE FINISHED TO A SMOOTH
- 7. PIPE FITTINGS SHALL BE SOLVENT WELDED.

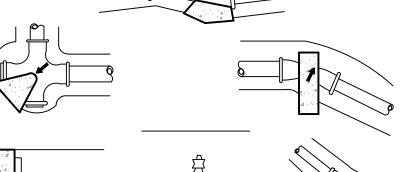


DROP DETAIL ON SANITARY SEWER MANHOLE INSIDE

NO SCALE







SCHEMATIC PLANS

	PIPE	BEARING AREA OF BLOCK "A" SQ. FT					
	SIZE	TEE & END	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	
	4	4.9	6.9	3.8	1.9	1.0	
	6	8.4	11.8	6.4	3.3	1.8	
- }	8	13.7	19.3	10.5	5.4	2.7	
-	10	19.4	27.3	14.9	7.7	3.9	

12

26.3

1. ARROW INDICATES DIRECTION OF THRUST.

37.0

2. BEAR THRUST BLOCKS AGAINST UNDISTURBED EARTH.

20.2

10.3

5.3

- 3. DO NOT EXTEND CONCRETE BEYOND BELL FITTING, OR RESTRICT MECHANICAL JOINT BOLT REMOVAL.
- 4. REQUIRED THRUST BLOCK AREAS "A" ARE BASED ON A SOIL BEARING PRESSURE OF 2000 PSF AND A DESIGN PRESSURE OF 250 PSI.

TYPICAL THRUST BLOCKING NO SCALE

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> TE, NE 68 CRETE 29th ST CRE

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