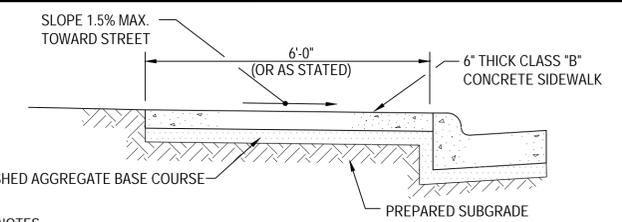


- NOTES:**
- EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
 - ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 - 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' [4572mm] OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
 - FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" [6mm] RADIUS.
 - SCORED JOINTS SHALL BE 1/4" [6mm] DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
 - CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
 - 1/4" DEEP SCORED JOINTS (TYP) SPACED AT 6' [1829mm] OR EQUAL TO SIDEWALK WIDTH.

1 CONCRETE SIDEWALK JOINT SPACING
NTS

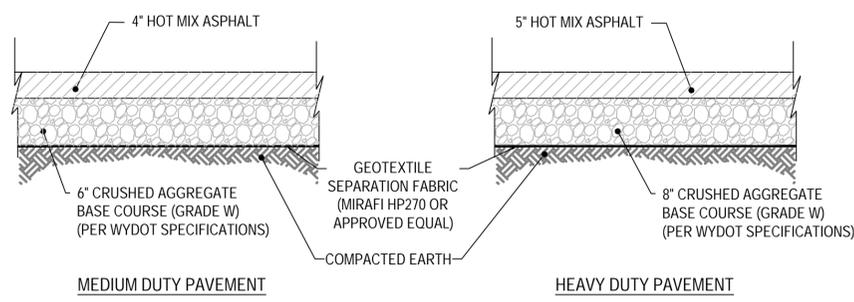


- NOTES:**
- PREFORMED EXPANSION JOINT FILLER SHALL BE INSTALLED FOR THE FULL THICKNESS OF THE SIDEWALK AND SHALL BE USED AT ALL JOINTS BETWEEN EXISTING CONCRETE, INLETS, MANHOLES AND OPPOSITE TO EXISTING EXPANSION JOINTS, AND AT NOT MORE THAN 150 FOOT INTERVALS. CONTRACTION JOINTS SHALL BE SPACED AT INTERVALS NOT EXCEEDING WIDTH OF SIDEWALK PLACED.
 - ALL SIDEWALKS ADJACENT TO ADA RAMP SHALL BE ADA COMPLIANT.

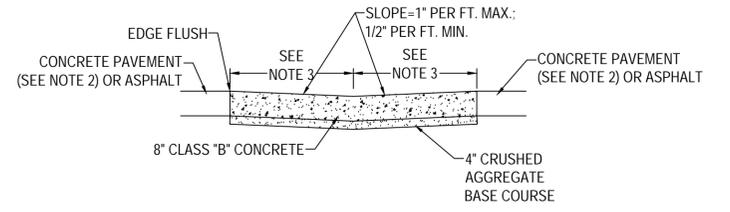
3 CONCRETE SIDEWALK
NTS

PAVEMENT NOTES

- CRUSHED AGGREGATE BASE COURSE AND HOT MIX ASPHALT SHALL BE IN ACCORDANCE WITH WYDOT SPECIFICATIONS, INCLUDING MATERIAL AND INSTALLATION.
- DUE TO VARIABILITY WITHIN EXISTING PAVEMENT CROSS SECTION IT IS UNKNOWN IF CONCRETE IS PRESENT WITHIN OR BELOW THE PAVEMENT CROSS SECTION. IF CONCRETE IS ENCOUNTERED, IT SHALL BE REMOVED AND DISPOSED OF AS PART OF THE PAVEMENT IMPROVEMENTS.
- PAVEMENT FOR PARKING LOTS SHALL BE OF THE SAME COMPOSITION AS THE ROADS. CURB TYPES, EDGE TREATMENT AND SLOPES SHALL BE AS SHOWN ON THE PLANS, AND PER WYDOT SPECIFICATIONS.
- WHERE REQUIRED, SAWCUT PAVEMENT TO A DEPTH OF 2" WHERE FULL DEPTH PAVEMENT OPERATIONS ABOUT BITUMINOUS PAVEMENT TO REMAIN. SEAL JOINT WITH 12" WIDE ASPHALT SEALANT.
- A RECLAIMED BASE MAY BE UTILIZED, WHERE SUITABLE, IN THE AREAS WHERE EXISTING PAVEMENT IS TO BE RECONSTRUCTED. THE RECLAMATION SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS, SPECIFICATIONS AND CROSS SECTION OF THE FULL DEPTH CONSTRUCTION. IF THE EXISTING CROSS SECTION DOES NOT PROVIDE ADEQUATE DEPTH FOR RECLAMATION, NEW MATERIAL SHALL BE IMPORTED.
- PAVEMENT RECONSTRUCTION AND ASSOCIATED IMPROVEMENTS TO BE STAGED TO MINIMIZE DISRUPTION TO RESIDENTS AND HOSPITAL FUNCTIONS. STAGING AREAS AND EQUIPMENT STORAGE SHALL BE COORDINATED WITH THE CONTRACTING OFFICERS REPRESENTATIVE (COR) AT THE VAMC.

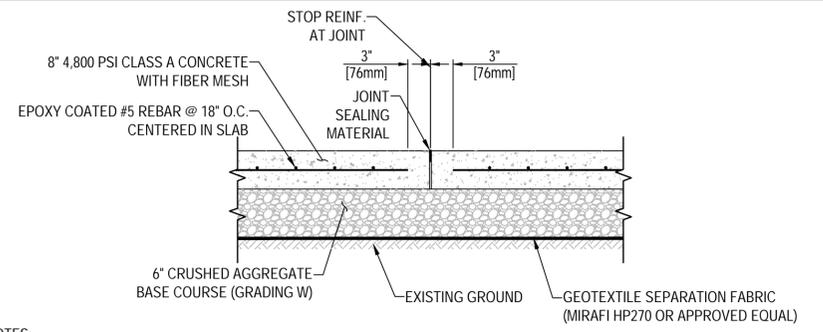


4 PAVEMENT SECTION
NTS



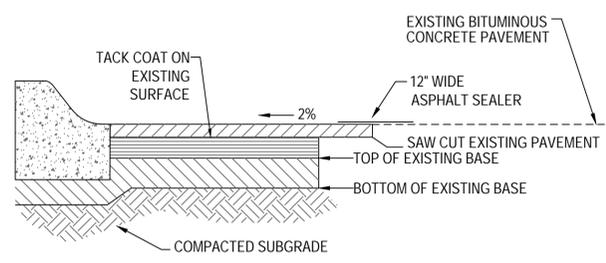
- NOTES:**
- PREFORMED EXPANSION JOINT FILLER, CONFORMING TO THE CROSS SECTION OF THE CURB AND GUTTER, SHALL BE INSTALLED AT ALL JOINTS BETWEEN EXISTING CONCRETE, INLETS, MANHOLES AND OPPOSITE TO EXISTING EXPANSION JOINTS, AND AT NOT MORE THAN 150 FOOT INTERVALS.
 - WHEN INSTALLED ADJACENT TO CONCRETE PAVEMENT, PROVIDE 1" DIA. X 14" SMOOTH DOWEL BAR IN EXPANSION JOINT LOCATIONS; SMOOTH DOWEL BARS ACROSS EXPANSION JOINTS SHALL BE PROVIDED WITH EXPANSION CAPS AND COATED WITH GREASE.
 - USE 3' (6' TOTAL WIDTH) FOR DOUBLE VALLEY GUTTER AND USE 1.5' (3' TOTAL WIDTH) FOR SINGLE VALLEY GUTTER.
 - REFER TO CITY OF SHERIDAN SPECIFICATIONS.

2 VALLEY GUTTER DETAIL
NTS
SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN

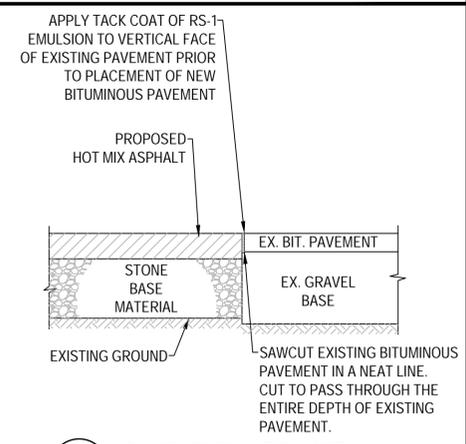


- NOTES:**
- VEHICULAR CONCRETE SHALL BE PLACED WITHIN ALL ROADWAY, DRIVEWAYS, AND LOTS, WHERE PCC PAVEMENT IS SHOWN ON THE PLANS.
 - JOINT SPACING SHALL BE 24 TO 36 TIMES THE THICKNESS OF THE SLAB BUT SHALL NOT EXCEED 15 FEET.
 - CONTRACTION JOINT GROOVES SHALL HAVE A MINIMUM DEPTH OF 1/3 THE THICKNESS OF THE SLAB.
 - EXPANSION JOINTS SHALL BE USED TO ISOLATE THE SLAB FROM OTHER STRUCTURES SUCH AS WALLS, FOOTINGS, COLUMNS, CURBS, ASPHALT, ETC.
 - EXPANSION JOINTS SHALL HAVE A MAXIMUM SPACING OF 15 FEET.
 - ALL CONCRETE ROADWAYS AND PARKING AREAS SHALL HAVE TRANSVERSE FINISH. ALL OTHER VEHICULAR CONCRETE AREAS OTHER THAN ROADWAYS AND PARKING AREAS SHALL HAVE A BROOM FINISH. COORDINATION WITH COR ON SURFACE FINISHES OTHER THAN STATED, IS REQUIRED.
 - FIBERMESH SHALL BE SIKA FIBERMESH 300-e3 OR APPROVED EQUIVALENT. THE MATERIAL LISTED SHALL BE CONSIDERED THE BASIS OF DESIGN AND CAN BE SUBSTITUTED FOR AN EQUIVALENT EQUAL UPON APPROVAL OF THE ENGINEER AND COR.

5 CONCRETE DETAIL (VEHICULAR)
NTS



6 SAW CUT DETAIL
NTS



7 PAVEMENT MATCH DETAIL
NTS

Revisions:	Date

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Drawing Title
Construction Details

Approved Project Director
SHERIDAN VAHCS PLANNING AND ENGINEERING

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Location
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6/14/2020

Checked
Geary

Drawn
Peters

Project Number
666-17-104

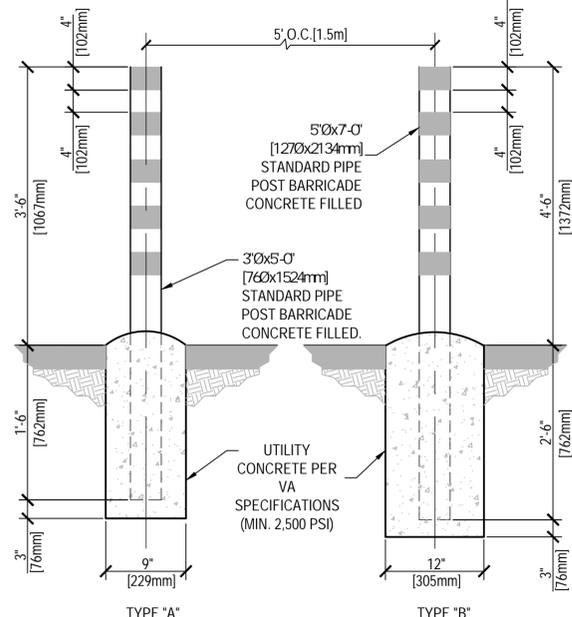
Building Number
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Drawing Number
CS282

Dwg. 186 of 195

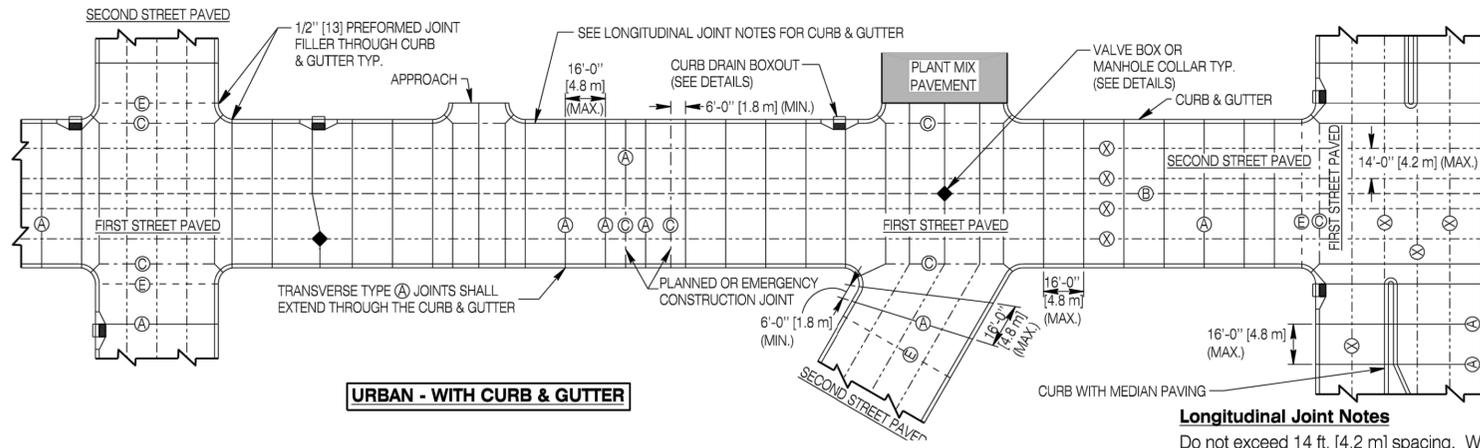
Office of Construction and Facilities Management

Department of Veterans Affairs

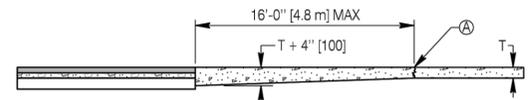


- NOTES:**
- POST BARRICADES SHALL BE PAINTED WITH ONE PRIME COAT OF RED OXIDE (PAINT NO. 1), ONE FINISH COAT OF DULL BLACK ENAMEL PER VA SPECIFICATIONS AND STRIPES CONSISTING OF 4" [102mm] BANDS OF YELLOW REFLECTORIZED TAPE SHALL BE USED UNLESS OTHERWISE SPECIFIED BY THE COR.
 - FINISH COLOR COMBINATIONS, OTHER THAN THAT SPECIFIED ABOVE, SHALL BE SUBMITTED TO THE COR FOR APPROVAL.

1 CONCRETE POST BARRICADES
NTS



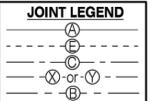
URBAN - WITH CURB & GUTTER



CONCRETE PAVEMENT TO PLANT MIX PAVEMENT TRANSITION
LONGITUDINAL SECTION VIEW

NOTE:
DETAIL INTENDED TO PROVIDE ILLUSTRATION OF LOCATION OF VARIOUS JOINT TYPES. JOINTS SHALL BE CONSTRUCTED PER WYDOT SPECIFICATIONS

2 CONCRETE PAVEMENT DETAIL
NTS
SOURCE: WYDOT STANDARD PLAN 414-1B (SEE LATEST VERSION)



URBAN PAVEMENT NOTES

- General Notes**
Whenever possible, meet the following requirements for sawing joints at intersections:
- Intersecting joint angles at 90 degrees or greater.
 - Minimum joint length is 2 ft. [610].
 - Minimum slab length is 6 ft. [1.8 m].
 - T = Slab thickness.

Longitudinal Joint Notes
Do not exceed 14 ft. [4.2 m] spacing. Whenever possible, place to coincide with lane markings.

- Use type "Y" joints when a construction joint is required.
- Use the following curb and gutter joints:
- Type "Y" joint - no lateral restraint exists behind the curb.
 - Type "B" joint - full lateral constraint exists behind the curb.
 - Full lateral constraint exists when sidewalk or curb is placed against a foundation or other immovable object. Soil does not comprise full lateral constraint.

When curb and gutter is placed monolithically with concrete pavement, match curb and gutter depth with the pavement. Delete longitudinal curb joint if overall slab width does not exceed 14 ft. [4.2 m].

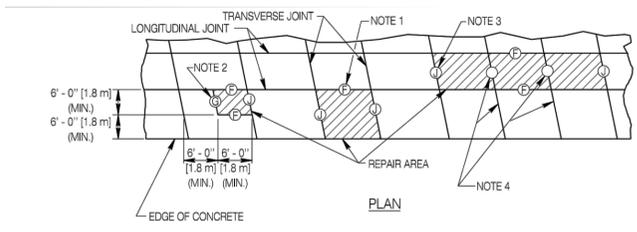
Place type "B" joint at or near the centerline of roadways 40 ft. [12.0 m] or more in width.

Transverse Joint Notes
Use type "D" joints when transverse dowel jointed concrete pavement is specified. Do not restrict longitudinal movement of transverse dowel jointed pavement slabs at intersections.

Extend transverse joint sawing through the curb when curb and gutter is placed monolithically with pavement. Do not saw intermittent joints.

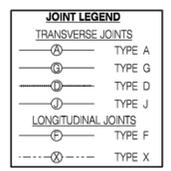
When design speeds exceed 45 mph [70 km/h], skew transverse joints 1L:6W counter clockwise. Do not skew doweled transverse joints.

Do not exceed 16 ft. [4.8 m] spacing.
Do not terminate transverse joints at the centerline. Span transverse joints the full width of pavement.



CONCRETE SLAB REPLACEMENT DETAILS
FOR NON-REINFORCED TRANSVERSE JOINTED CONCRETE PAVEMENT

- NOTES**
- Use type "F" joints for longitudinal joint. Bars that are not loose or damaged may be left in place.
 - Use type "G" joints when a transverse joint is located within the interior of an existing slab to remain in place.
 - Use type "J" joints when joining new concrete to existing concrete at an existing transverse joint.
 - Match intermediate transverse joints to the final configuration of the adjacent transverse joints. For example, if the adjacent transverse joints are being upgraded to dowel bar retrofits, install type D joints.
 - When repair limits are less than 6 ft. [1.8 m] from an existing joint, extend the repair limits to the joint.
 - Begin placing rebar and/or smooth steel dowel bars 6 in. [150] from edge of pavement and perpendicular to the joint or as specified.



3 CONCRETE PAVEMENT REPAIR & REPLACEMENT DETAIL
NTS
SOURCE: WYDOT STANDARD PLAN 415-1D (SEE LATEST VERSION)

NOTE:
DETAIL INTENDED TO PROVIDE ILLUSTRATION OF LOCATION OF VARIOUS JOINT TYPES. JOINTS SHALL BE CONSTRUCTED PER WYDOT SPECIFICATIONS

ONE INCH = TWO-HUNDRED FIFTY FEET
ONE INCH = TWO-HUNDRED FEET
ONE INCH = ONE-HUNDRED FEET
ONE INCH = THIRTY FEET

Revisions:	Date

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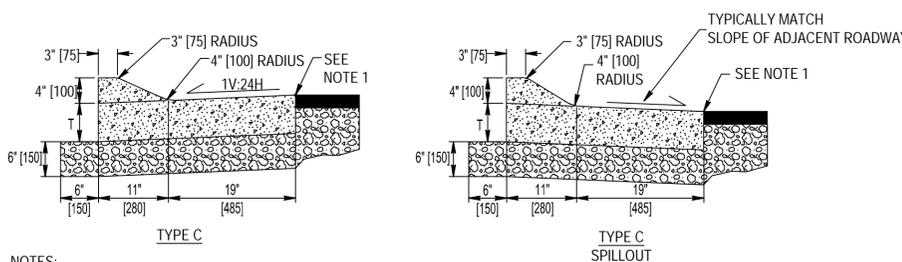
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Drawing Number
CS283

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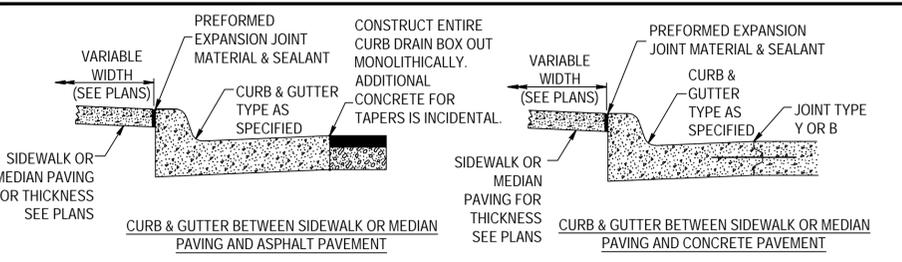
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Department of Veterans Affairs

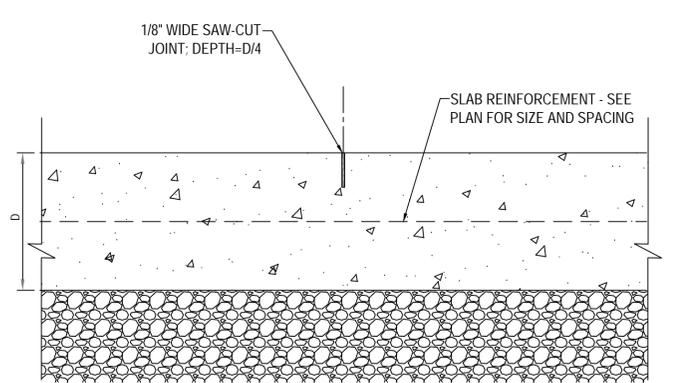


1 CURB & GUTTER DETAILS
 NOT TO SCALE
 SOURCE: WYDOT STANDARD PLAN 609-1B - SHEET 1 OF 3
 (SEE LATEST VERSION)

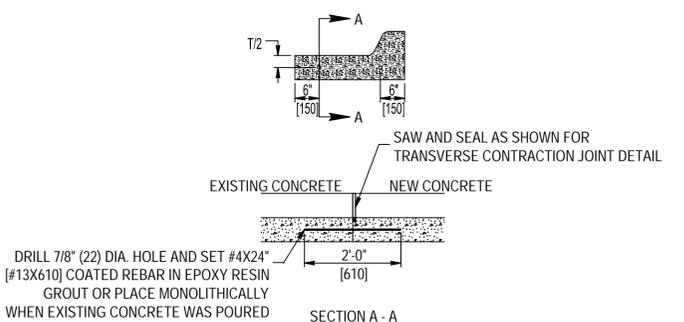
- NOTES:**
- ENSURE ALL PAVEMENT SURFACES ARE SMOOTHLY TAPERED AND FLUSH AT CURB RAMPS TO FACILITATE WHEELCHAIR MOVEMENTS.
 - JOINTS TYPE B AND Y ARE DETAILED IN THE STANDARD PLAN FOR "CONCRETE PAVEMENT".
 - T = THICKNESS OF GUTTER PAN OR DOUBLE GUTTER. UNLESS SPECIFIED OTHERWISE:
 T = 6" [150] WHERE ADJACENT TO PLANT MIX PAVEMENT,
 T = CONCRETE PAVEMENT THICKNESS WHERE ADJACENT TO CONCRETE.
 - USE SPILLOUT CURB AND GUTTER ONLY WHEN SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. SPILLOUT CURBS ARE INTENDED TO CONVEY DRAINAGE AWAY FROM THE CURB SUCH AS ON THE HIGH SIDE OF SOME SUPERELEVATED HIGHWAYS, THE INSIDE OF ROUNDABOUTS, ETC.



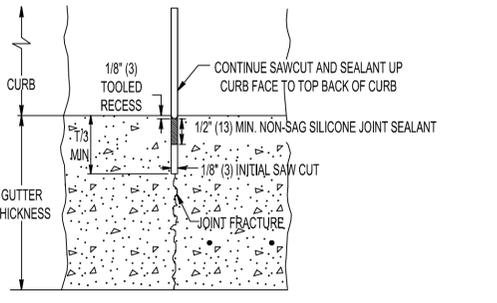
3 CURB & GUTTER JOINT DETAILS
 NOT TO SCALE
 SOURCE: WYDOT STANDARD PLAN 609-1B - SHEET 2 OF 3
 (SEE LATEST VERSION)



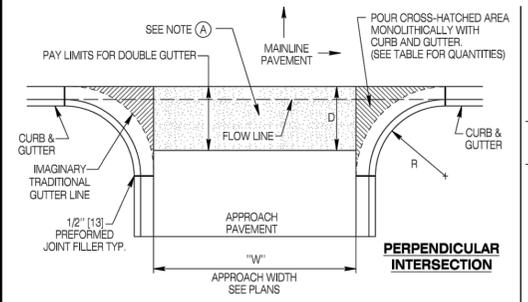
4 TYPICAL SAW CUT JOINT
 NOT TO SCALE
 SOURCE: CITY OF SHERIDAN



5 TYPICAL TRANSVERSE CONSTRUCTION JOINT
 NOT TO SCALE
 SOURCE: WYDOT STANDARD PLAN 609-1B - SHEET 2 OF 3 (SEE LATEST VERSION)



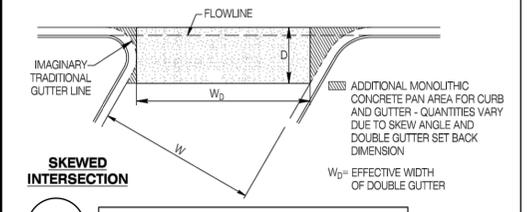
6 TYPICAL TRANSVERSE CONTRACTION JOINT DETAIL
 NOT TO SCALE
 SOURCE: WYDOT STANDARD PLAN 609-1B - SHEET 2 OF 3 (SEE LATEST VERSION)



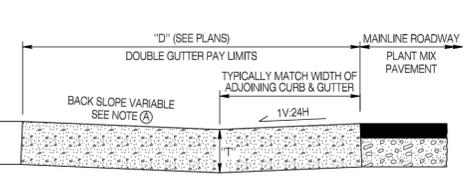
ESTIMATED ADDITIONAL CONCRETE QUANTITIES FOR CROSS-HATCHED AREA FOR PERPENDICULAR INTERSECTIONS ONLY *

RADIUS	CONCRETE		CONCRETE	
	R	m	R	m
5	1.5	0.2	0.15	25
10	3.0	0.6	0.46	30
12	3.7	0.8	0.61	40
15	4.6	1.2	0.92	45
20	6.1	2.0	1.53	50

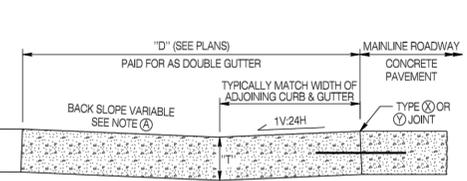
*Approximate additional concrete quantity for one square out. Tables values are based on a perpendicular intersection, 6 in. [150] thick gutter and on "D"=2 ft-6in. [760]. Table provided for estimating purposes only.



2 CURB AND GUTTER AND DOUBLE GUTTER REQUIREMENTS AT INTERSECTIONS



DOUBLE GUTTER ADJACENT TO MAINLINE PLANT MIX PAVEMENT
 T = See note 4, General Notes, Sheet 1.

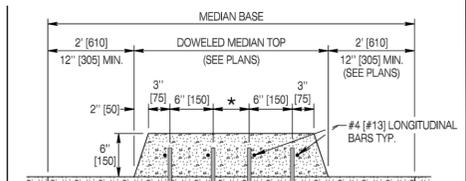


DOUBLE GUTTER ADJACENT TO MAINLINE CONCRETE PAVEMENT
 For Double Gutter next to concrete pavement, match concrete pavement contraction joint spacing.

DOUBLE GUTTER REQUIREMENTS
 T = See note 4, General Notes, Sheet 1

- Ensure the backslope for double gutter is 1V:48H or flatter when located in the path of a pedestrian crossing to meet ADA requirements. Otherwise, use a slope as directed by the Engineer.
- See sidewalk standard plan for further requirements for double gutter for (driveway) approaches located within city blocks.

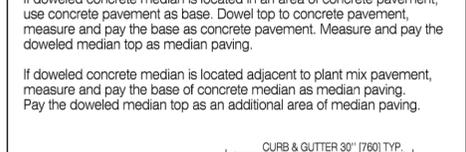
NOT TO SCALE
 SOURCE: WYDOT STANDARD PLAN 609-1B - SHEET 3 OF 3
 (SEE LATEST VERSION)



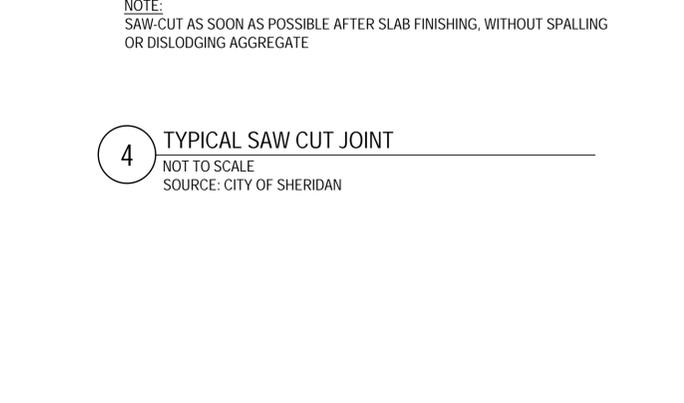
DOWELED CONCRETE MEDIAN
 *For median top widths wider than 4 ft [1.2 m], use additional vertical and longitudinal bars. Ensure bars are added and spaced no greater than 18 in [455] cc in the lateral and longitudinal direction.

If doweled concrete median is located in an area of concrete pavement, use concrete pavement as base. Dowel top to concrete pavement, measure and pay the base as concrete pavement. Measure and pay the doweled median top as median paving.

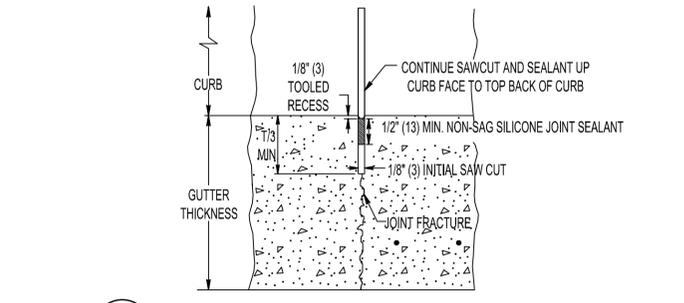
If doweled concrete median is located adjacent to plant mix pavement, measure and pay the base of concrete median as median paving. Pay the doweled median top as an additional area of median paving.



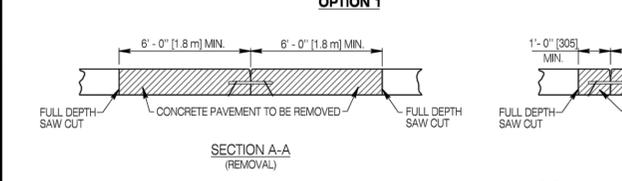
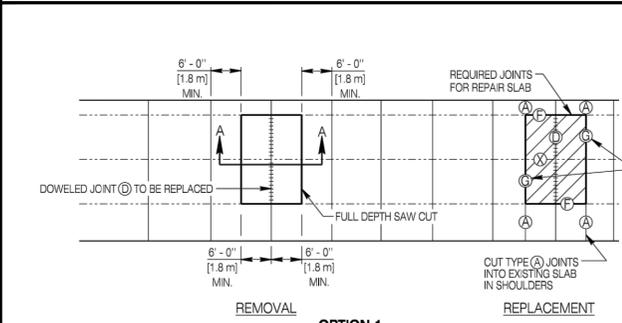
INTEGRAL CURB & MEDIAN PAVING
MEDIAN PAVING DETAILS



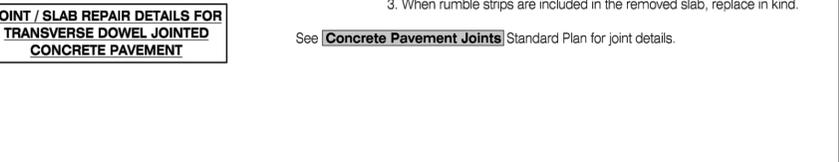
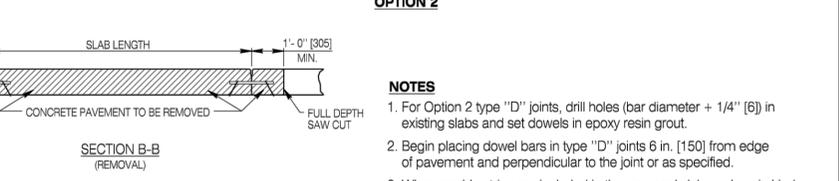
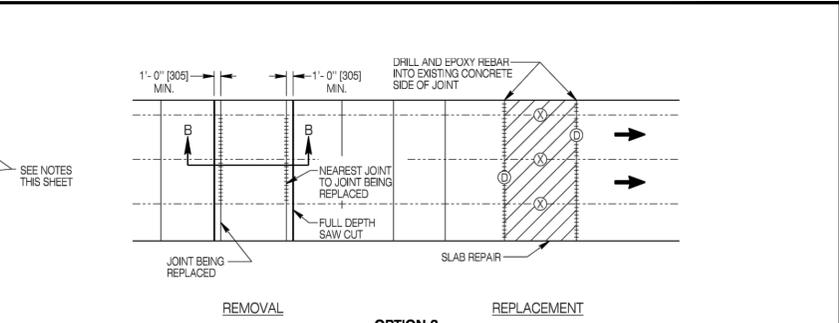
4 TYPICAL SAW CUT JOINT
 NOT TO SCALE
 SOURCE: CITY OF SHERIDAN



6 TYPICAL TRANSVERSE CONTRACTION JOINT DETAIL
 NOT TO SCALE
 SOURCE: WYDOT STANDARD PLAN 609-1B - SHEET 2 OF 3 (SEE LATEST VERSION)



7 JOINT / SLAB REPAIR DETAILS FOR TRANSVERSE DOWEL JOINTED CONCRETE PAVEMENT



7 JOINT / SLAB REPAIR DETAILS FOR TRANSVERSE DOWEL JOINTED CONCRETE PAVEMENT

- NOTES**
- For Option 2 type "D" joints, drill holes (bar diameter + 1/4" [6]) in existing slabs and set dowels in epoxy resin grout.
 - Begin placing dowel bars in type "D" joints 6 in. [150] from edge of pavement and perpendicular to the joint or as specified.
 - When rumble strips are included in the removed slab, replace in kind.
- See [Concrete Pavement Joints](#) Standard Plan for joint details.

NOT TO SCALE
 SOURCE: WYDOT STANDARD PLAN 415-1D - SHEET 1 OF 1 (SEE LATEST VERSION)

Revisions:	Date

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Christopher W. Geary PE# 17277

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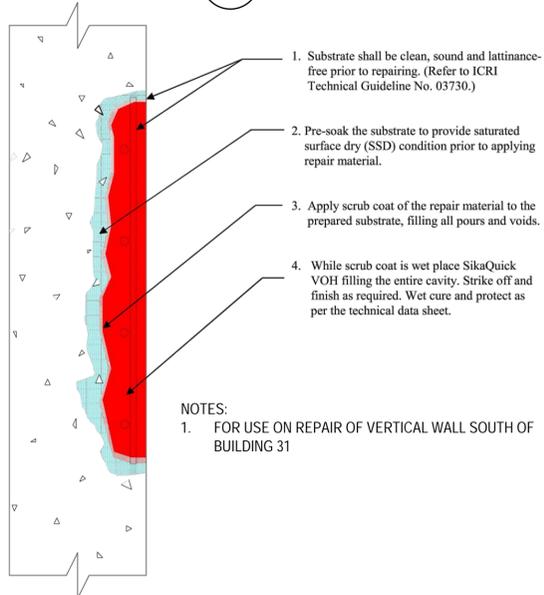
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Office of Construction and Facilities Management

Department of Veterans Affairs

SC-08

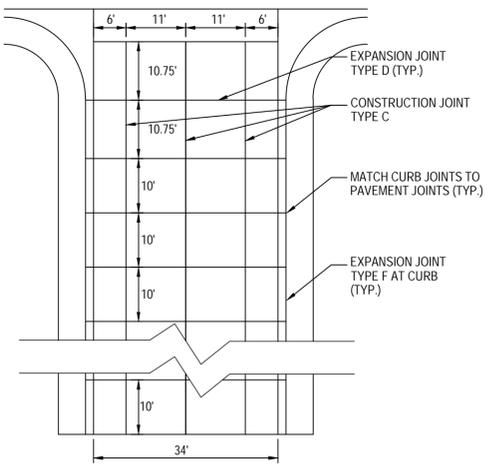
SikaQuick VOH Vertical Repair



1. Substrate shall be clean, sound and lamination-free prior to repairing. (Refer to ICRI Technical Guideline No. 03730.)
2. Pre-soak the substrate to provide saturated surface dry (SSD) condition prior to applying repair material.
3. Apply scrub coat of the repair material to the prepared substrate, filling all pours and voids.
4. While scrub coat is wet place SikaQuick VOH filling the entire cavity. Strike off and finish as required. Wet cure and protect as per the technical data sheet.

NOTES:
1. FOR USE ON REPAIR OF VERTICAL WALL SOUTH OF BUILDING 31

- Note:
1. Apply scrub coat of repair material to the prepared substrate, filling all pores and voids.
 2. If reinforcing steel is located within the repair location refer to Spec Component SC-201
 3. For vertical applications greater than 3" in depth, a second lift should be applied.



- NOTES:
1. SEE 03040-2.01D FOR CONCRETE PAVEMENT JOINT DETAILS.
 2. THIS DETAIL PERTAINS TO A STANDARD 39-FOOT WIDE STREET (34 FEET OF CONCRETE SURFACING). DETAIL INTENDED TO PROVIDE ILLUSTRATION OF LOCATION OF VARIOUS JOINT TYPES. JOINTS SHALL BE CONSTRUCTED PER WYDOT SPECIFICATIONS. SEE PLANS FOR OTHER WIDTHS.
 3. JOINT A-1 ONLY APPLIES IF THERE IS A TRANSITION TO ASPHALT.
 4. JOINT SEALANT IS INCIDENTAL TO CONCRETE PAVING.
- * CONTRACTOR SHALL PROVIDE JOINTING PLAN FOR APPROVAL PRIOR TO PAVING.
** MATCH EXISTING JOINTS FOR FORT ROAD.

2 TYPICAL JOINTS FOR CONCRETE PAVEMENT DETAIL*
NTS
SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN

General Notes

1. T = Slab thickness.
2. Begin placing deformed rebar and/or smooth bars beginning 6 inches [150] from the edge of pavement or as specified. For longitudinal joints, place rebar perpendicular to joints, for transverse joints, place rebar parallel to the direction of travel.
3. When transverse joints do not fracture in the joint at the edge of the slab, saw depth may be increased as approved by the engineer at no additional cost to the department.
4. Some joint sealants such as liquid joint sealants may require a 3/16" [5] final joint width. For those conditions it is acceptable to make the initial saw cut width 3/16" [5].
5. Type K, Pave-Thru Expansion Joints including the required sleeper slab and appurtenances may be substituted for Type E Expansion Joints at the contractor's expense. Provide 24 Gauge [0.7 thick] galvanized sheeting that meets the requirements of ASTM A653, coating designation G90. Cover the entire sleeper slab with the sheeting, acting as a bond breaker. Saw cut or form a full depth joint 1-1/2 inches [38] wide. Do not cut into the galvanized sheet.

ALTERNATE KEYWAY DETAIL **TYPICAL KEYWAY DETAIL**

TYPE X TIED WEAKENED PLANE JOINT **TYPE Y CONSTRUCTION JOINT**

3 NOT TO SCALE
SOURCE: WYDOT STANDARD PLAN 414-2 - SHEET 1 OF 3 (SEE LATEST VERSION)

TYPE B KEYED CONSTRUCTION JOINT **TYPE F TYING TO EXISTING CONCRETE**

TYPE Z WEAKENED PLANE JOINT

TYPE Q SLAB REPLACEMENT TRANSVERSE JOINT (NOT AT EXISTING JOINT)

TYPE R SLAB REPLACEMENT TRANSVERSE JOINT (AT EXISTING JOINT)

Note: See keyed notes (X) for joint construction on sheet 1, and keyed notes (A) for joint seal on sheet 3.

TYPE A WEAKENED PLANE JOINT

* SLAB THICKNESS 10" [250] OR LESS: T/4
SLAB THICKNESS MORE THAN 10" [250]: T/3

TYPE E EXPANSION JOINT

FOR:
T ≤ 8" [200] - 1 1/4" DIA. x 18" [32 DIA. x 460]
T > 8" [200] - 1 1/2" DIA. x 18" [38 DIA. x 460]
SMOOTH STEEL COATED DOWEL BARS @ 12" [305] CENTERS

TYPE K PAVE-THRU EXPANSION JOINT DETAIL

FOR: T ≤ 8" [200] - 1 1/4" DIA. x 18" [32 DIA. x 460]
T > 8" [200] - 1 1/2" DIA. x 18" [38 DIA. x 460]
SMOOTH STEEL COATED DOWEL BARS @ 12" [305] CENTERS

Joint Seal Notes

- Use the joint sealant type as specified in the contract.
- Seal type "E" joints with silicone seal.
- Tape or close joint ends as approved by the engineer to prevent loss of joint sealant.
- Seal Type K Pave-Thru Expansion Joints with a compression joint material which is closed-cell, cross-linked, low-density polyethylene copolymer, nitrogen blown resilient foam material with an ultraviolet stabilizer. Recess the compressed joint material 1/4 inch [6] below the top of the concrete pavement. Splices shall be beveled 45 degrees and butted together.

SELF-LEVELING SILICONE SEALANT JOINT

3/16" [5] INITIAL SAW CUT DEPTH (SEE NOTE 4)

PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL

3/16" [5] CHAMFERED EDGES

* MAKE DEPTH OF 3/8" [10] SAW CUT IN ACCORDANCE WITH JOINT SEAL MANUFACTURER'S RECOMMENDATIONS.

TYPE C CONSTRUCTION JOINT

#4 x 24" [13 x 610] COATED REBAR @ 18" [460] CENTERS

TYPE G SLAB REPLACEMENT TRANSVERSE JOINT (NOT AT EXISTING JOINT)

#8 x 30" [25 x 760] COATED REBAR @ 12" [305] CENTERS

TYPE H SLAB REPLACEMENT TRANSVERSE JOINT (AT EXISTING JOINT)

FOR: T ≤ 8" [200] - 1 1/4" DIA. x 18" [32 DIA. x 460]
T > 8" [200] - 1 1/2" DIA. x 18" [38 DIA. x 460]
SMOOTH STEEL COATED DOWEL BARS @ 12" [305] CENTERS

NOTE: SELF-LEVELING SILICONE SEALANT SHALL BE UTILIZED ON ALL FORT ROAD JOINT REPAIRS UNLESS OTHERWISE STATED, OR GIVEN THE DIRECTION OF THE COR. INSTALL PER MANUFACTURER SPECIFICATIONS.

HOT Poured ELASTIC JOINT SEAL

3/16" [5] SAW CUT

PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL

3/16" [5] CHAMFERED EDGES

* MAKE DEPTH OF 3/8" [10] SAW CUT IN ACCORDANCE WITH JOINT SEAL MANUFACTURER'S RECOMMENDATIONS.

TYPICAL PLAN OF TRANSVERSE JOINT DOWEL ASSEMBLY

SECTION X-X
SECTION Y-Y

TYPE D TRANSVERSE DOWELED WEAKENED PLANE JOINT

1 1/2" DIA. x 18" [38 DIA. x 460] SMOOTH STEEL COATED DOWEL BARS (LIGHTLY GREASED) @ 12" [305] CENTERS

TYPE J SLAB REPLACEMENT TRANSVERSE JOINT (AT EXISTING JOINT)

FOR: T ≤ 8" [200] - 1 1/4" DIA. x 18" [32 DIA. x 460]
T > 8" [200] - 1 1/2" DIA. x 18" [38 DIA. x 460]
SMOOTH STEEL COATED DOWEL BARS @ 12" [305] CENTERS

TYPE K PAVE-THRU EXPANSION JOINT DETAIL

FOR: T ≤ 8" [200] - 1 1/4" DIA. x 18" [32 DIA. x 460]
T > 8" [200] - 1 1/2" DIA. x 18" [38 DIA. x 460]
SMOOTH STEEL COATED DOWEL BARS @ 12" [305] CENTERS

NOTE: SELF-LEVELING SILICONE SEALANT SHALL BE UTILIZED ON ALL FORT ROAD JOINT REPAIRS UNLESS OTHERWISE STATED, OR GIVEN THE DIRECTION OF THE COR. INSTALL PER MANUFACTURER SPECIFICATIONS.

HOT Poured ELASTIC JOINT SEAL

3/16" [5] SAW CUT

PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL

3/16" [5] CHAMFERED EDGES

* MAKE DEPTH OF 3/8" [10] SAW CUT IN ACCORDANCE WITH JOINT SEAL MANUFACTURER'S RECOMMENDATIONS.

TYPICAL PLAN OF TRANSVERSE JOINT DOWEL ASSEMBLY

SECTION X-X
SECTION Y-Y

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Christopher W. Geary PE# 17277

Drawing Title
Construction Details

Approved Project Director
SHERIDAN VAHCS PLANNING AND ENGINEERING

Project Title
Resurface Roads And Parking Lots

Location
Sheridan VA Medical Center Sheridan, WY

Date
6/14/2020

Checked
Geary

Drawn
Peters

Project Number
666-17-104

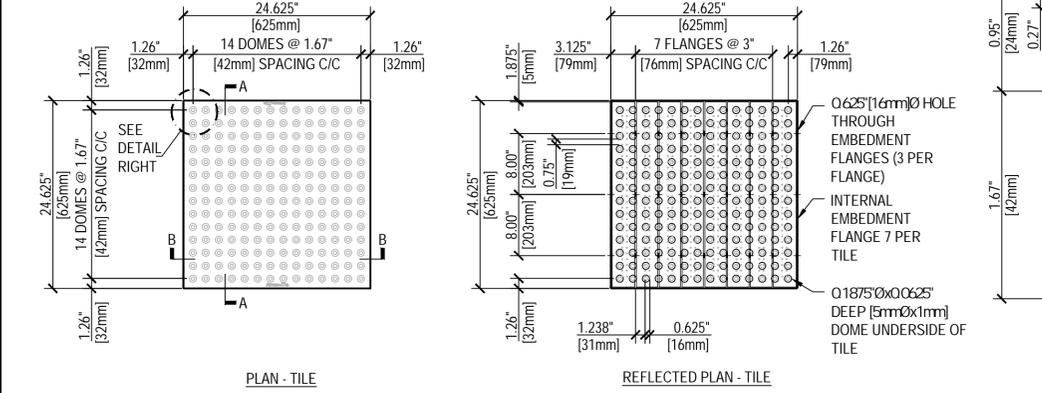
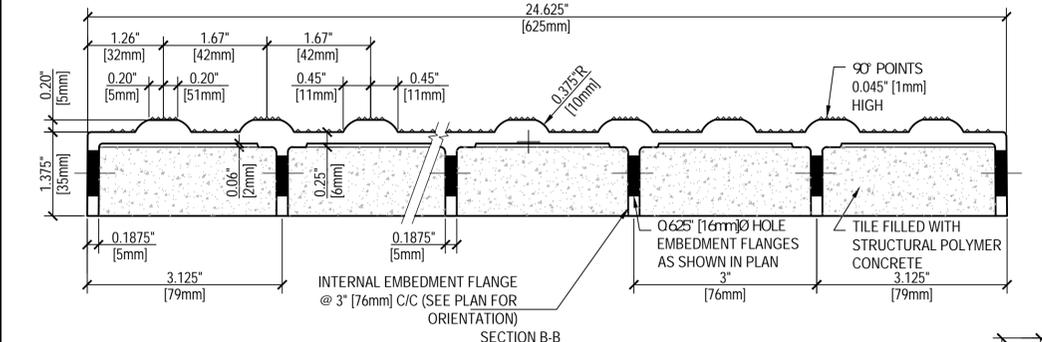
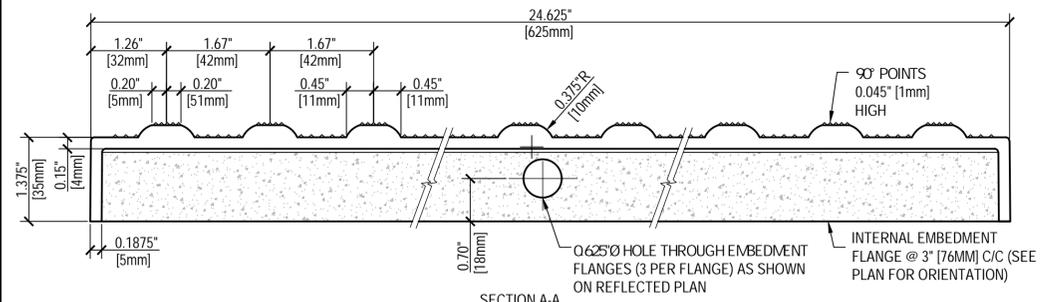
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Drawing Number
CS285

Dwg. 189 of 195

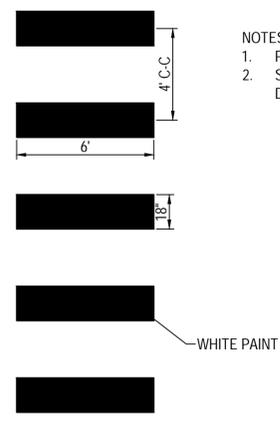
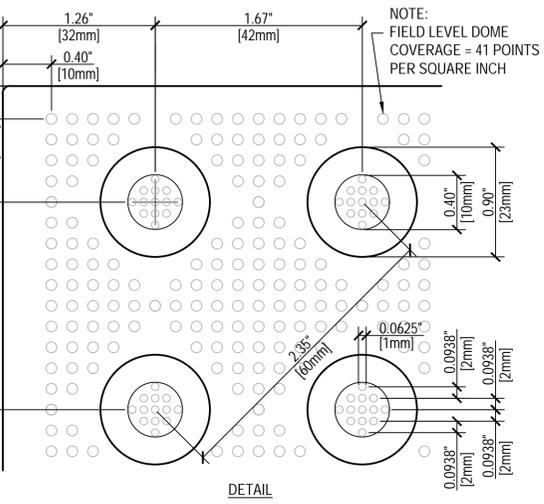
Office of Construction and Facilities Management
Department of Veterans Affairs

1 TRUNCATED DOME TACTILE - WARNING STRIP
NTS



DETECTABLE WARNING NOTES:

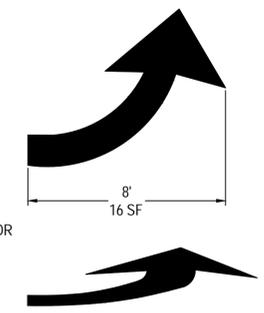
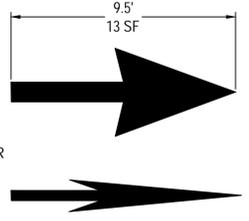
1. THE DETECTABLE WARNING STRIP MUST COVER THE ENTIRE WIDTH OF THE RAMP OPENING, EXCLUDING THE WINGS. ALL DOMES MUST BE ALIGNED IN THE DIRECTION OF TRAVEL. ONE CORNER OF THE LEADING EDGE OF THE DETECTABLE WARNING MAY BE MORE THAN 5 FEET FROM THE BACK OF THE CURB. WHEN LOCATED ALONG A CURB RETURN, THE LEADING EDGE OF THE DETECTABLE WARNING MAY BE DEFINED BY THE CHORD DRAWN BETWEEN THE LEADING EDGES OF THE RAMP OPENING.
2. SHALL BE NEENAH #4984 OR EQUIVALENT, OR AS APPROVED BY COR.



- NOTES:**
1. PROVIDE TWO COATS OF PAINT ON ALL SURFACES.
 2. SEE SITE LAYOUT PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

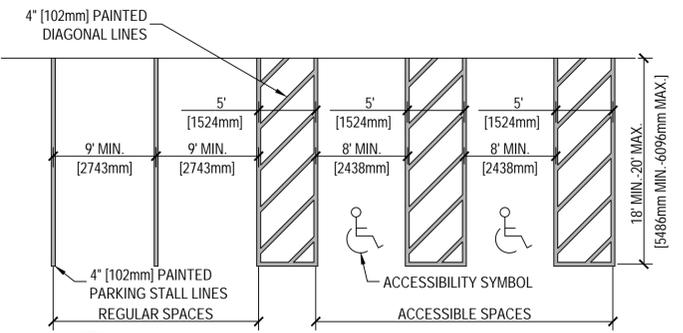
2 CROSSWALK PAINT STRIPING
NTS

THROUGH LANE - USE ARROW **TURN LANE - USE ARROW**



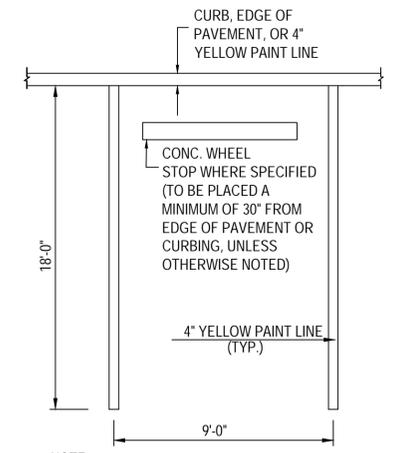
- NOTES:**
1. ALL PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 2. ALL PAVEMENT MARKS SHALL BE HOT THERMOPLASTIC MARKINGS.

3 PAVEMENT MARKINGS DETAIL
NTS



- NOTE:**
1. SEE VA BARRIER FREE DESIGN HANDBOOK H-08-13 FOR ACCESSIBLE SPACE QUANTITIES AND SIGNAGE.
 2. ACCESSIBLE SPACE FOR VANS MUST BE 11' [3300mm] WIDE WITH 5' [1524mm] ACCESS AISLES AND BE DESIGNATED FOR VANS ONLY.

4 PARKING STALL LAYOUT
NTS



- NOTE:**
1. PROVIDE TWO COATS OF PAINT ON ALL SURFACES.
 2. SEE SITE LAYOUT PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

5 PARKING SPACE
NTS

Revisions:	Date

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Christopher W. Geary PE# 17277

Drawing Title
Construction Details

Approved Project Director
SHERIDAN VAHCS PLANNING AND ENGINEERING

Project Title
Resurface Roads And Parking Lots

Location
Sheridan VA Medical Center Sheridan, WY

Date
6/14/2020

Checked
Geary

Drawn
Peters

Project Number
666-17-104

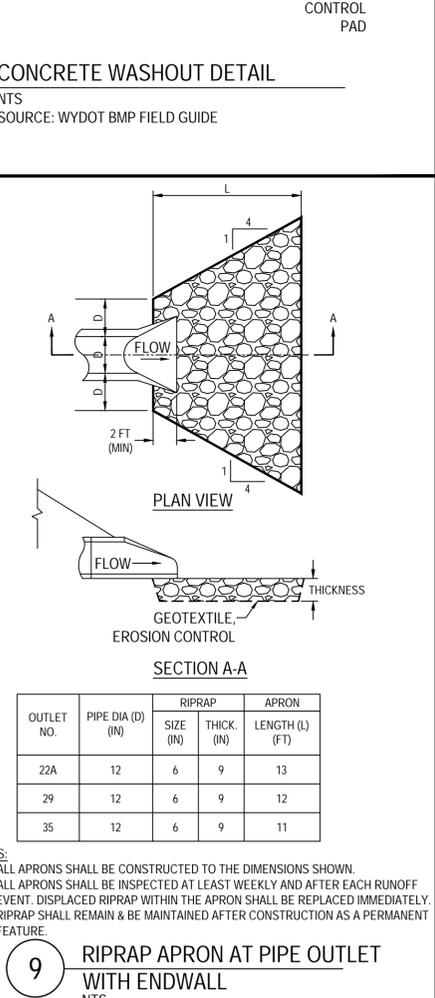
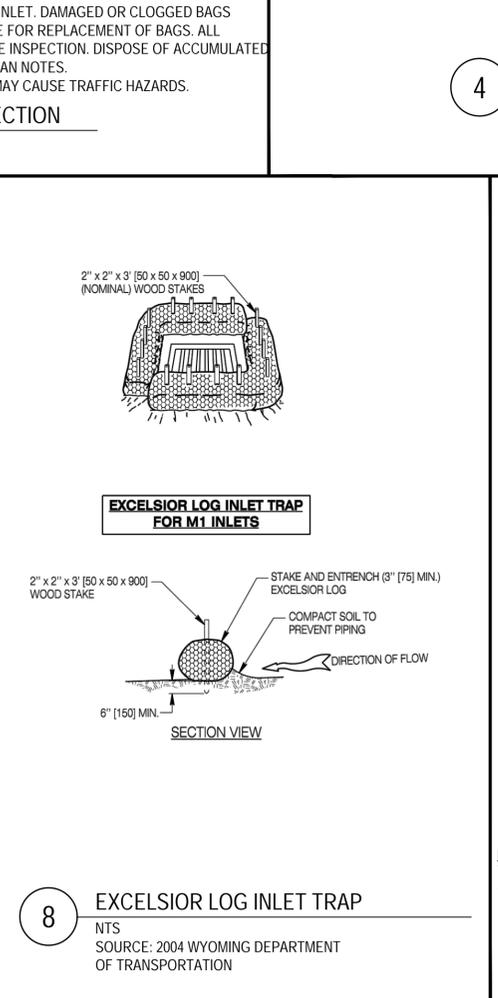
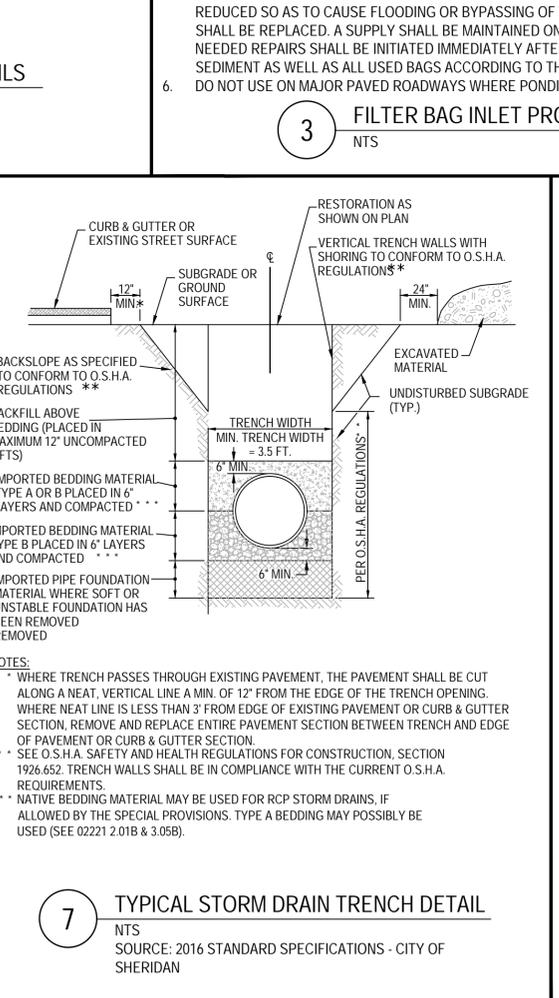
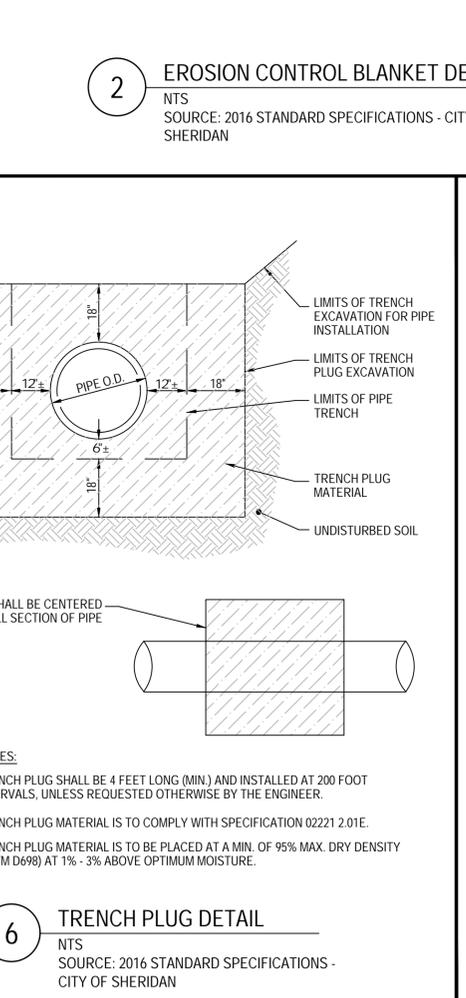
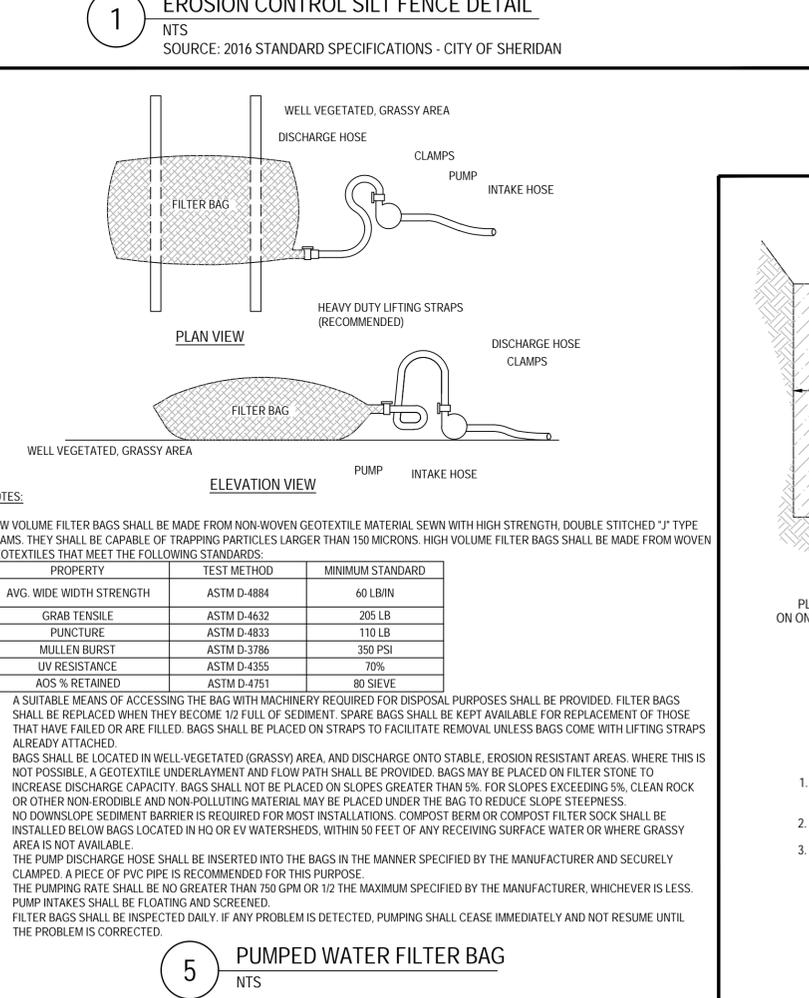
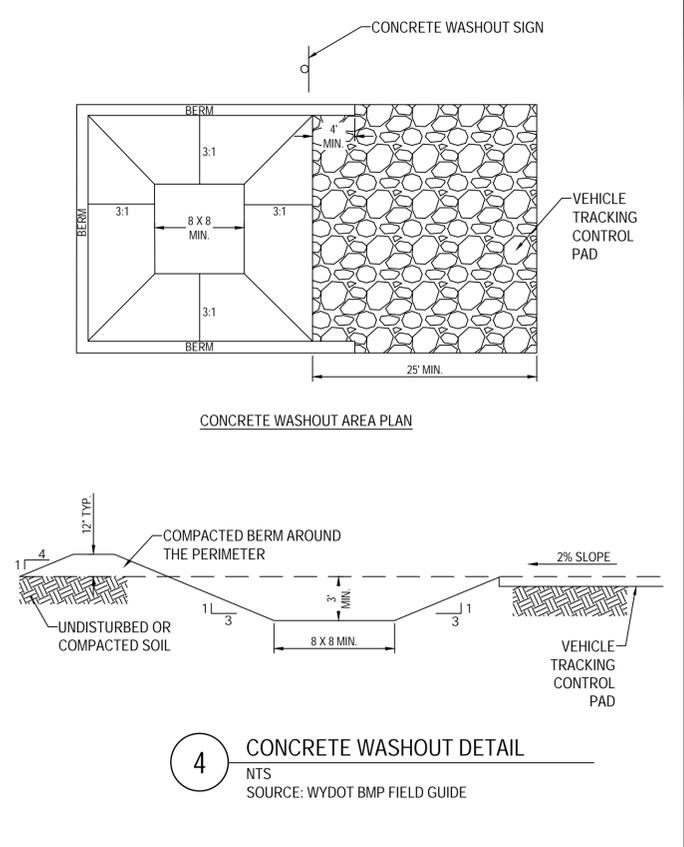
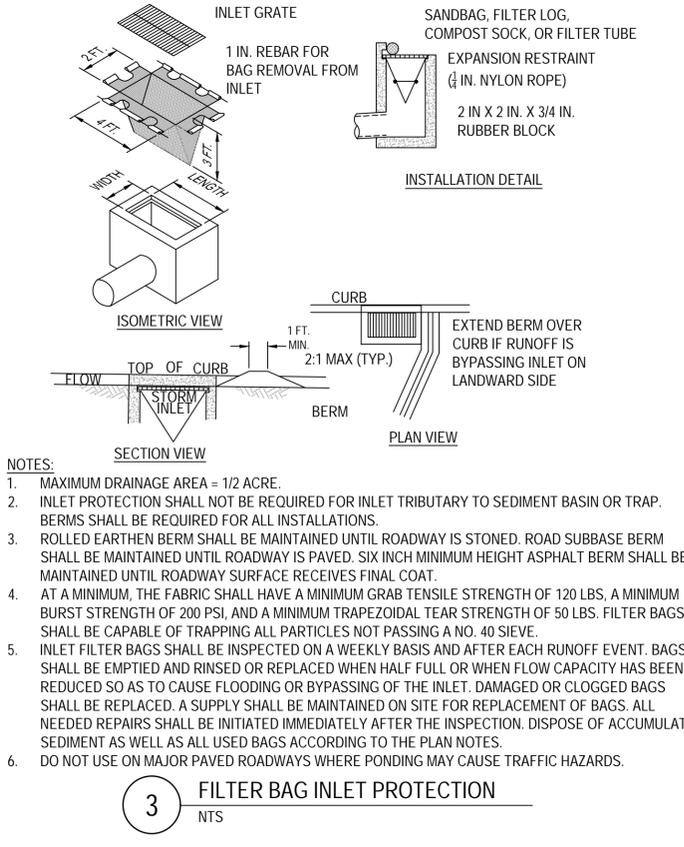
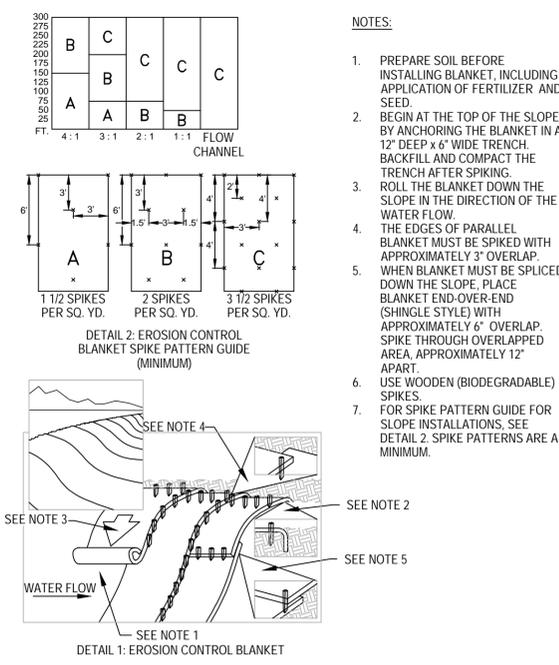
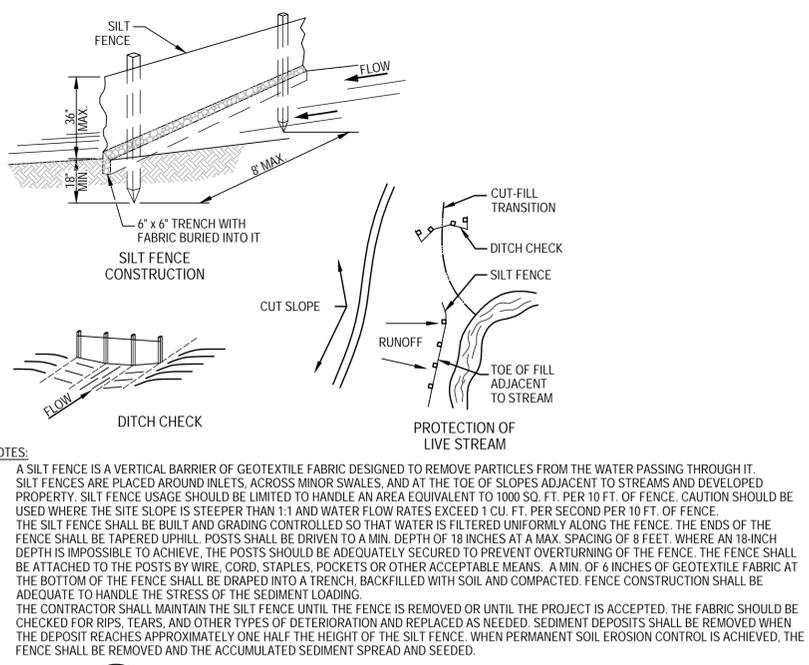
Building Number
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Drawing Number
CS286

Dwg. 190 of 195

Office of Construction and Facilities Management

Department of Veterans Affairs



Revisions:	Date

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Christopher W. Geary PE# 17277

Drawing Title
Construction Details

Approved Project Director
SHERIDAN VAHCS PLANNING AND ENGINEERING

Project Title
Resurface Roads And Parking Lots

Location
Sheridan VA Medical Center Sheridan, WY

Date
6/14/2020

Checked
Geary

Drawn
Peters

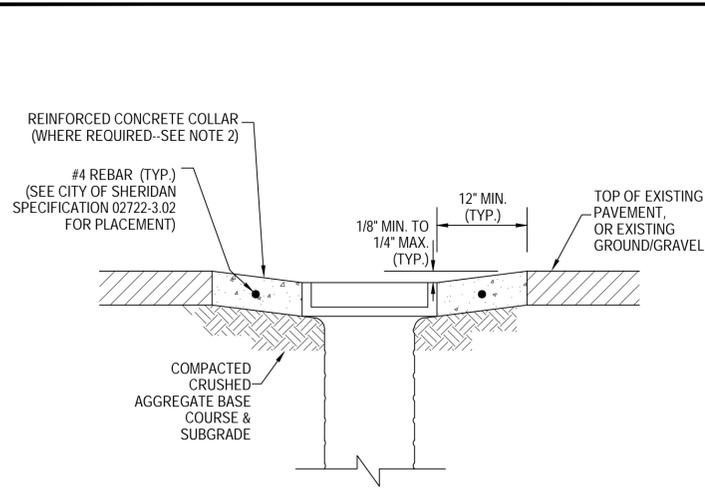
Project Number
666-17-104

Building Number
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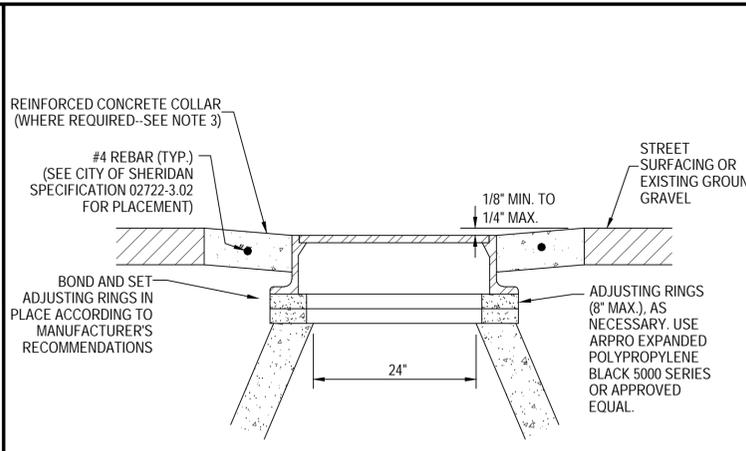
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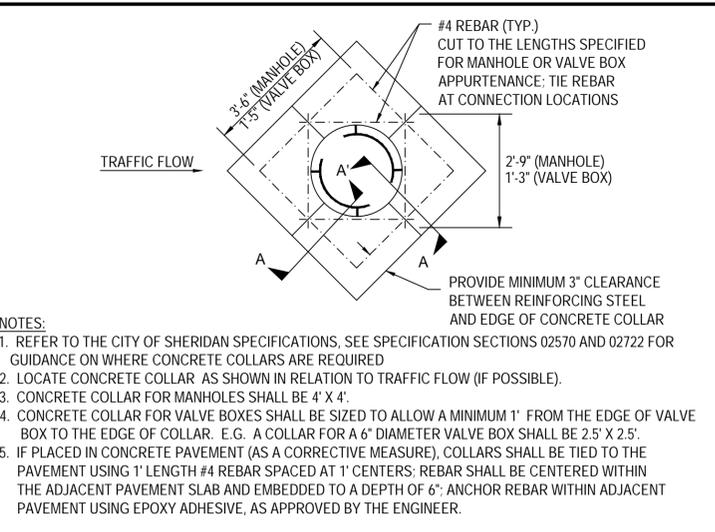
Office of Construction and Facilities Management
Department of Veterans Affairs



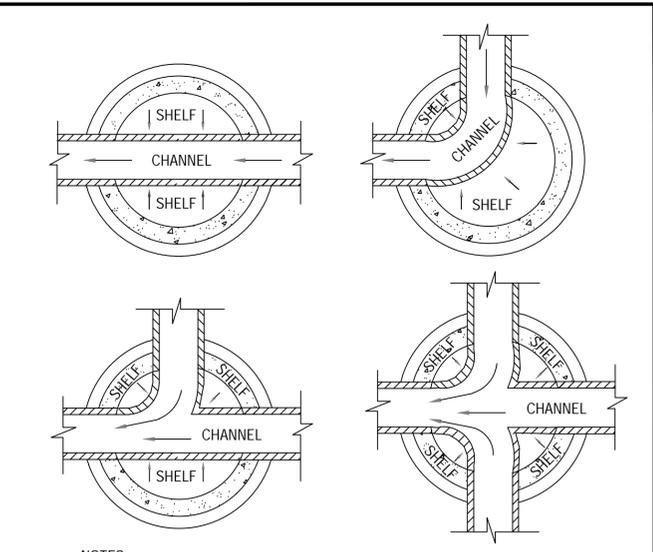
1 WATER VALVE BOX ADJUSTMENT DETAIL
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 SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN



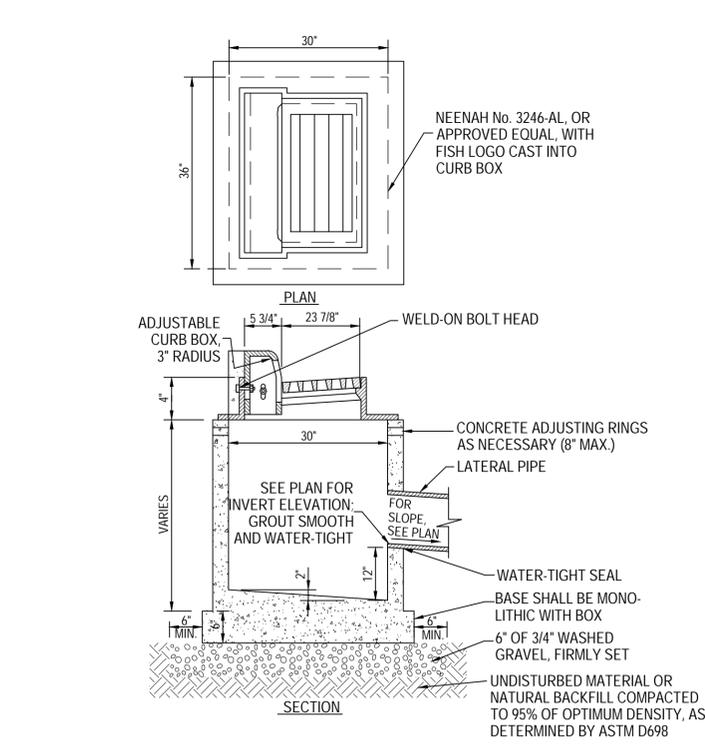
2 MANHOLE ADJUSTMENT DETAIL
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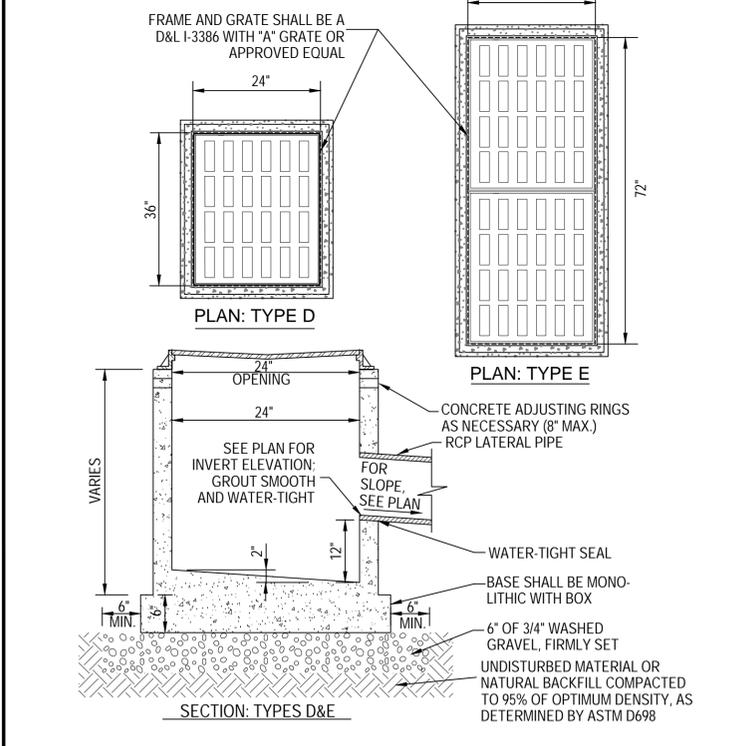
3 MANHOLE / VALVE BOX CONCRETE COLLAR DETAIL
 NTS
 SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN



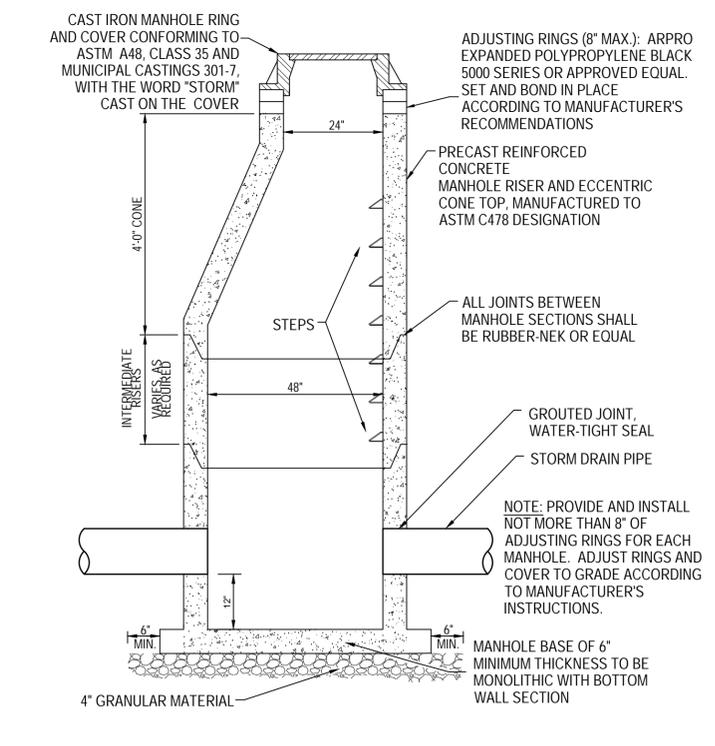
4 TYPICAL MANHOLE CHANNEL DETAIL
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 SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN



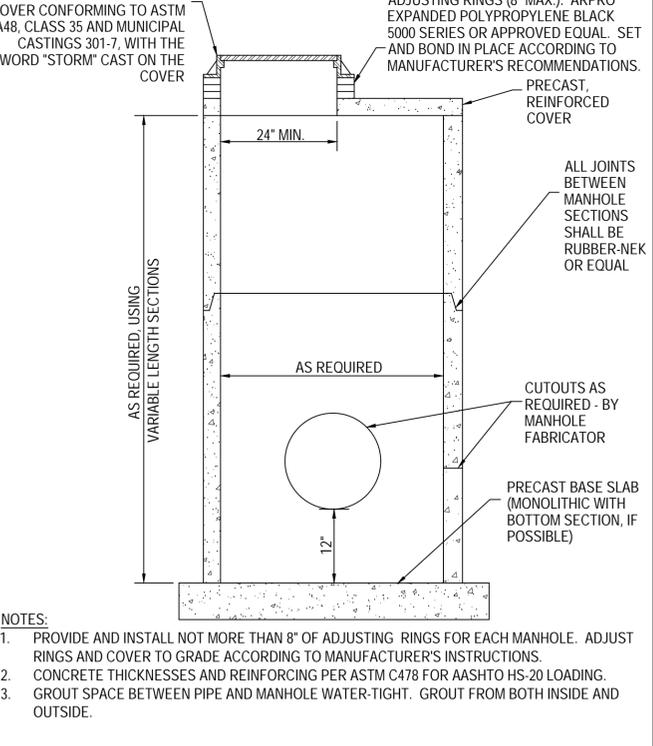
5 TYPE A STORM DRAIN INLET / CATCH BASIN DETAIL
 NTS
 SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN



6 TYPE D & TYPE E STORM DRAIN INLET / CATCH BASIN DETAIL
 NTS
 SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN



7 ECCENTRIC-CONED STORM DRAIN MANHOLE DETAIL
 NTS
 SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN



8 STANDARD STRAIGHT STORM DRAIN MANHOLE DETAIL
 NTS
 SOURCE: 2016 STANDARD SPECIFICATIONS - CITY OF SHERIDAN

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Project Title
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 SHERIDAN VAHCS PLANNING AND ENGINEERING

Project Number
 666-17-104

Building Number
 -

Location
 Sheridan VA Medical Center Sheridan, WY

Date
 6/14/2020

Checked
 Geary

Drawn
 Peters

Drawing Number
 CS288

Dwg. 192 of 195

Office of Construction and Facilities Management

Department of Veterans Affairs

PL-12.03 Parking Lot Signs

Size
Sign Face: 457 mm H x 305 mm W (1' 6" H x 1' 0" W)
Overall Sign Height: 1829 mm (6' 0")

Description
Non-illuminated single post parking identification and informational sign. This type of sign is for use in identifying or controlling specific parking areas, spaces or stalls.

Message Configuration
(Refer to message layout drawing for dimensions.)

This sign with symbol or title and the appropriate text shall be used as shown in the adjacent examples.

Colors
Text: white
Background: refer to color chart
Post: refer to color chart

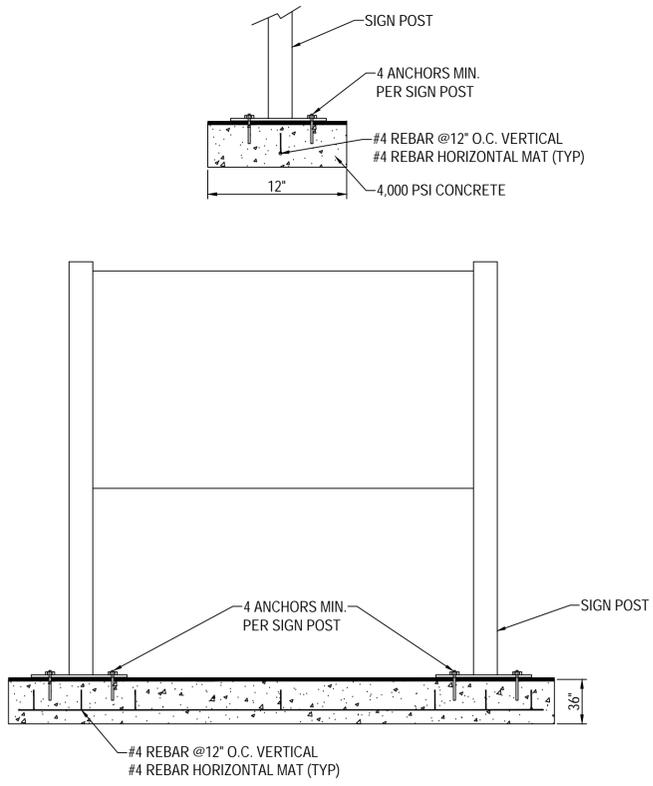
Recommendations
Position sign so drivers have a clear, unobstructed view of the sign. When placing this type of sign near curbs or parking places, be sure the sign is set far enough back that over hanging front and rear of automobiles do not come in contact with the sign post.

Parking Stall Designation



- Other possible messages for this layout.
- | | | |
|-----------------------------|------------------|-----------------------|
| 1) Visitors Only | 1) Along Roadway | 1) Director |
| 2) Buses Only | 2) Any Time | 2) Chief of Staff |
| 3) Authorized Vehicles Only | 3) Fire Lane | 3) Volunteers |
| 4) On Paved Road Only | 4) On the Grass | 4) Consultant |
| 5) Staff Only | 5) 00am - 00pm | 5) Motorcycle Parking |
| | | 6) Officer of the Day |
| | | 7) Outpatient Only |
| | | 8) Government Vehicle |
| | | 9) Police Only |
| | | 10) Car Pool |

1 PARKING STALL DESIGNATION
NTS



2 DIRECTIONAL SIGN FOOTING DETAIL
NTS

PL-12.04 Parking Lot Signs

Size
Sign Face: 457 mm H x 305 mm W (1' 6" H x 1' 0" W)
Overall Sign Height: 1829 mm (6' 0")

Description
Single post, non-illuminated handicapped parking stall sign.

Message Configuration
(Refer to message layout drawing for dimensions.)

Symbol and text must conform to layout as shown.

Graphic Process
Surface applied reflective vinyl

Colors
Text: white
Background: handicapped blue
Post: refer to color chart

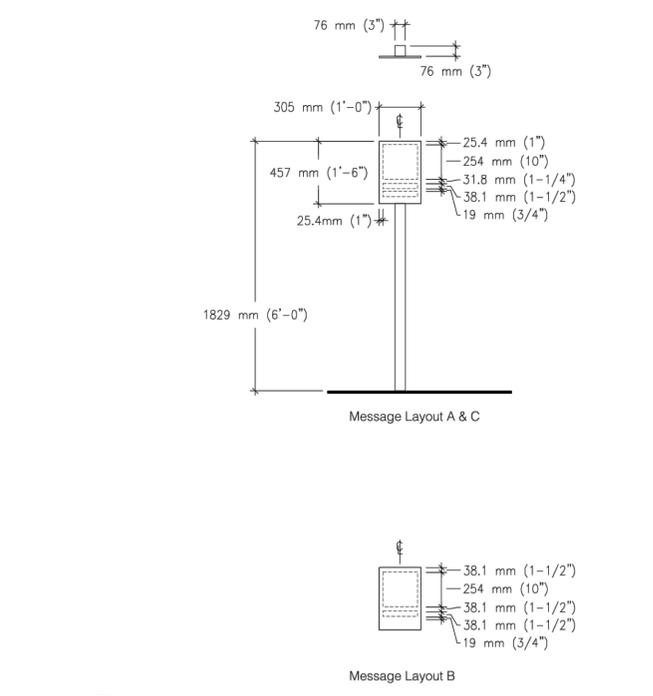
Recommendations
Position sign so drivers have a clear, unobstructed view of the sign. When placing this type of sign near curbs or parking places, be sure the sign is set far enough back that over hanging front and rear of automobiles do not come in contact with the sign post.

Handicapped Parking Stall

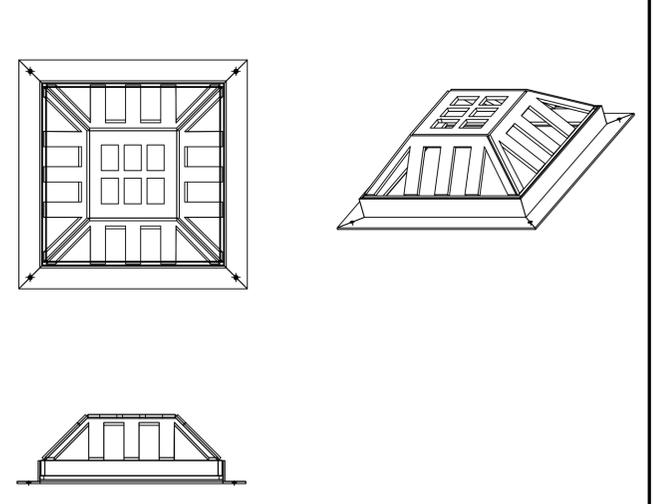


4 HANDICAPPED PARKING STALL DETAIL
NTS

PL-12.04 Parking Lot Signs



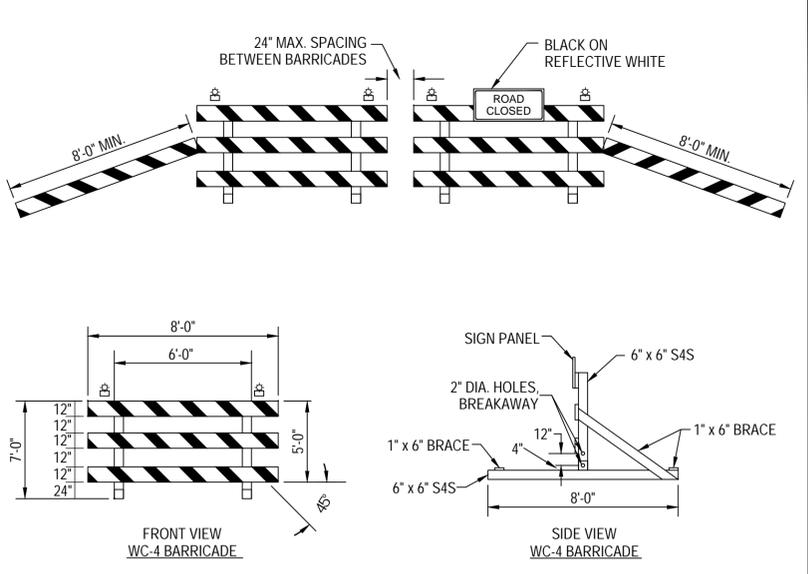
5 HANDICAPPED PARKING STALL DETAIL
NTS



NOTES:

- TRASH RACK FOR INSTALL ON INLET 11 ONLY. REPLACE CONCRETE LID WITH TRASH RACK. PRIOR TO ORDERING AND INSTALLING TRASH RACK, CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF STRUCTURE TO ENSURE PROPER COVERAGE. SHOP DRAWING OF TRASH RACK SHALL BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

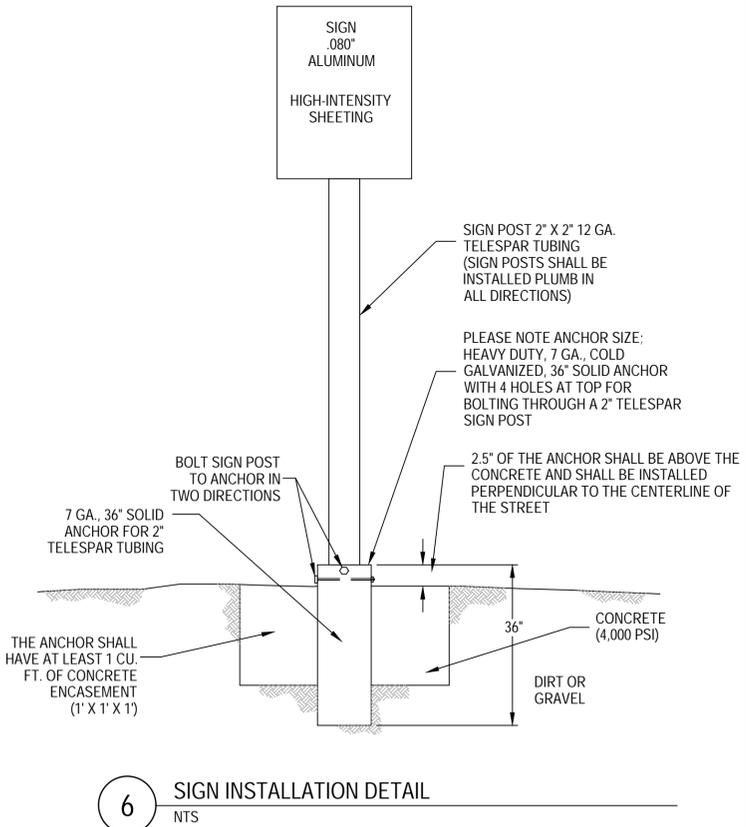
3 TRASH RACK DETAIL
NTS



GENERAL NOTES FOR PLACEMENT AND USAGE OF CONSTRUCTION TRAFFIC CONTROL DEVICES

- WORK ACTIVITY ON OR ADJACENT TO THE TRAVELED WAY THAT MAY AFFECT THE TRAVELING PUBLIC OR WORKERS SHALL NOT COMMENCE UNTIL ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES ARE IN PLACE AND APPROVED BY THE ENGINEER. (CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL INCLUDE SIGNS, BARRICADES, CHANNELIZING DEVICES, STRIPING, ETC.)
- ALL SIGNS SHALL BE STAND-MOUNTED AND KEPT CLEAN, LEGIBLE AND MAINTAIN REFLECTIVITY.
- FLASHERS SHALL BE INSTALLED AND IN WORKING ORDER ON ALL WC-4S AND BARRELS.
- ONLY TWO BLOCKS SHALL BE CLOSED AT A TIME UNLESS APPROVED BY THE CITY OF SHERIDAN.
- ALL CONSTRUCTION SITES SHOULD BE CHECKED PERIODICALLY, DAY AND NIGHT, TO ENSURE ADEQUATE TRAFFIC CONTROL.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICE SPACING IS APPROXIMATE AND SHOULD BE ADJUSTED TO FIT FIELD CONDITIONS. ROADWAY CONDITIONS, OBSTACLES, GEOMETRICS AND PERMANENT SIGNING SHOULD BE CONSIDERED IN PLACEMENT OF CONSTRUCTION SIGNS AND / OR FLAGGERS, TO PROVIDE MAXIMUM VISIBILITY OF WARNING DEVICES TO ONCOMING MOTORISTS.
- ADDITIONAL CONSTRUCTION TRAFFIC CONTROL DEVICES MAY BE ADDED AS CONDITIONS WARRANT.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES REQUIRED FOR THE CONSTRUCTION PROJECT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. REPLACEMENT DEVICES SHALL BE AVAILABLE AS REQUIRED. DEVICES SHALL BE MAINTAINED IN A STATE OF GOOD REPAIR BY THE CONTRACTOR.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES REQUIRED, INCLUDING ALL POSTS AND SIGNS, SHALL COMPLY WITH ALL REQUIREMENTS OF THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- EXISTING TRAFFIC CONTROL DEVICES CONFLICTING WITH THESE TRAFFIC CONTROL PLANS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER AND RETURNED TO THEIR PREVIOUS LOCATIONS AS NEEDED.
- CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL BE REMOVED OR COVERED WHEN NOT NEEDED.
- PORTABLE SIGN SUPPORTS AND BARRICADES TURNED AWAY FROM THE ROADWAY AND NOT REMOVED AT LEAST 30 FEET FROM THE EDGE OF THE TRAVELED WAY SHALL HAVE A TYPE II OBJECT MARKER VISIBLE TO ALL APPROACHING TRAFFIC.
- WHEN CONSTRUCTION CEASES DURING THE WINTER, ANY CONSTRUCTION TRAFFIC CONTROL DEVICES, INCLUDING POSTS UNNEEDED AT THIS TIME, SHALL BE REMOVED. REQUIRED DEVICES SHALL BE MAINTAINED THROUGHOUT THE WINTER.
- ALL CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE STORED IN AREAS AS FAR FROM THE USABLE TRAVELED WAY AS POSSIBLE (30 FEET MINIMUM).
- ADDITIONAL WARNING LIGHTS MAY BE REQUIRED ON CONSTRUCTION TRAFFIC CONTROL DEVICES FOR ADDITIONAL EMPHASIS AT NIGHT. ONLY STEADY BURN WARNING LIGHTS SHALL BE USED ON TAPERS, DRUMS WITH ARROWS SHALL BE USED ON TAPERS, AND DRUMS WITHOUT ARROWS SHALL BE USED ON TANGENTS. SIGNS AND CHANNELIZING DEVICES SHALL BE REFLECTORIZED WHEN USED AT NIGHT.
- ADDITIONAL FLAGGERS MAY BE UTILIZED AT THE DISCRETION OF THE CONTRACTOR. ADDITIONAL WARNING SIGNS FOR THE FLAGGERS SHALL THEN BE INSTALLED. LIGHTING SHALL BE PROVIDED IF FLAGGERS ARE UTILIZED DURING HOURS OF DARKNESS.
- ALL DRUMS USED FOR TEMPORARY TRAFFIC CONTROL SHALL BE PLASTIC AND MEET ALL REQUIREMENTS OF THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- IN URBAN AREAS, PEDESTRIAN SAFETY AND MOVEMENTS SHALL BE CONSIDERED WHEN PLACING TRAFFIC CONTROL DEVICES.
- THE ENGINEER RESERVES THE RIGHT TO ADD, DELETE OR MODIFY ANY CONSTRUCTION TRAFFIC CONTROL DEVICE OR SETUPS AS REQUIRED TO COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TO PROVIDE FOR THE SAFETY OF TRAVELING MOTORISTS OR PEDESTRIANS.
- ANY ADDITIONS OR MODIFICATIONS TO TRAFFIC CONTROL WILL BE AT DISCRETION OF COR AT THE CONTRACTORS EXPENSE.
- IF THERE IS CONFLICTING INFORMATION BETWEEN THE CITY OF SHERIDAN TRAFFIC CONTROL SPECIFICATIONS AND WYDOT TRAFFIC CONTROL SPECIFICATIONS, WYDOT SHALL GOVERN.

7 TYPICAL STREET CLOSURE AND BARRICADE DETAIL
NTS
SOURCE: 2016 STANDARD SPECIFICATIONS-CITY OF SHERIDAN



6 SIGN INSTALLATION DETAIL
NTS

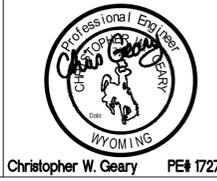
Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

acela
architects + engineers

acela architects + engineers, pc office: 610.365.4023
2633 Moravian Ave. website: www.acela-ae.com
Allentown, PA 18103 email: info@acela-ae.com



Drawing Title
Construction Details

Approved Project Director
SHERIDAN VAHCS PLANNING AND ENGINEERING

Project Title
Resurface Roads And Parking Lots

Location
Sheridan VA Medical Center Sheridan, WY

Date
6/14/2020

Checked
Geary

Drawn
Peters

Project Number
666-17-104

Building Number
-

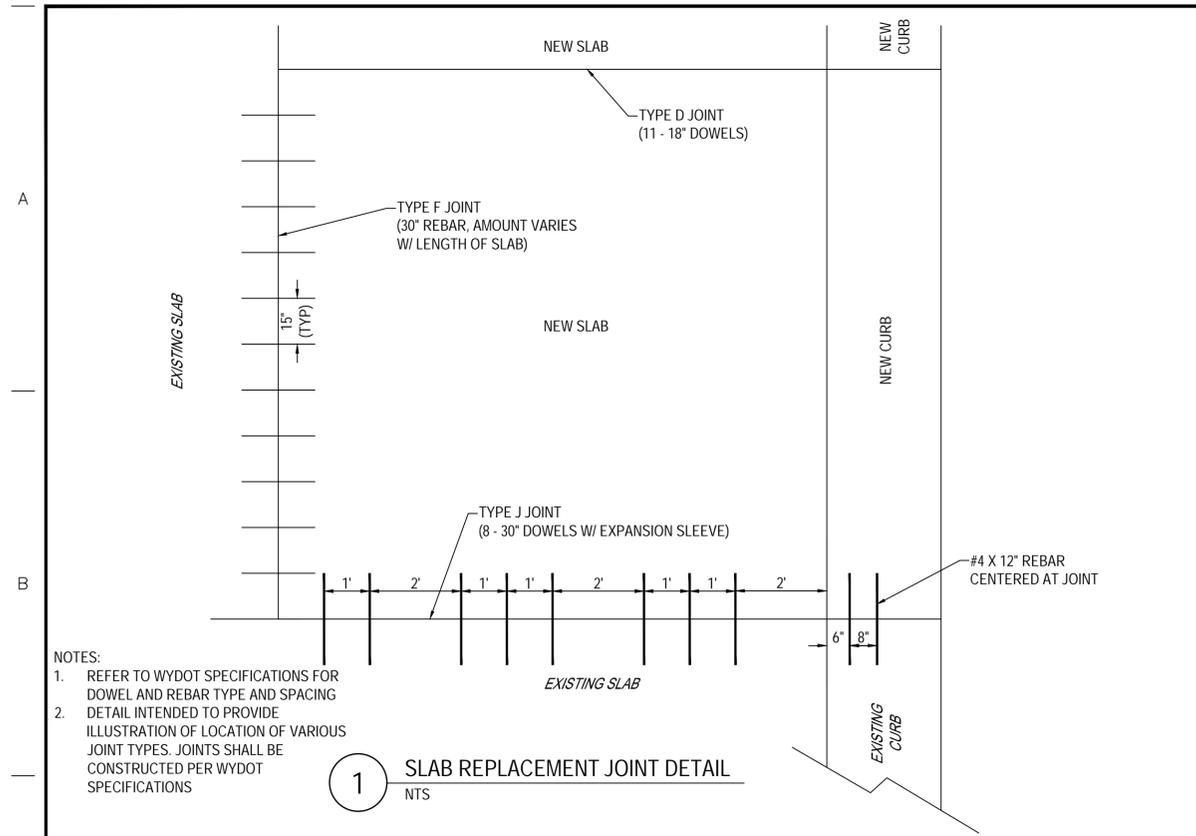
Drawing Number
CS290

Dwg. 194 of 195

Office of Construction and Facilities Management

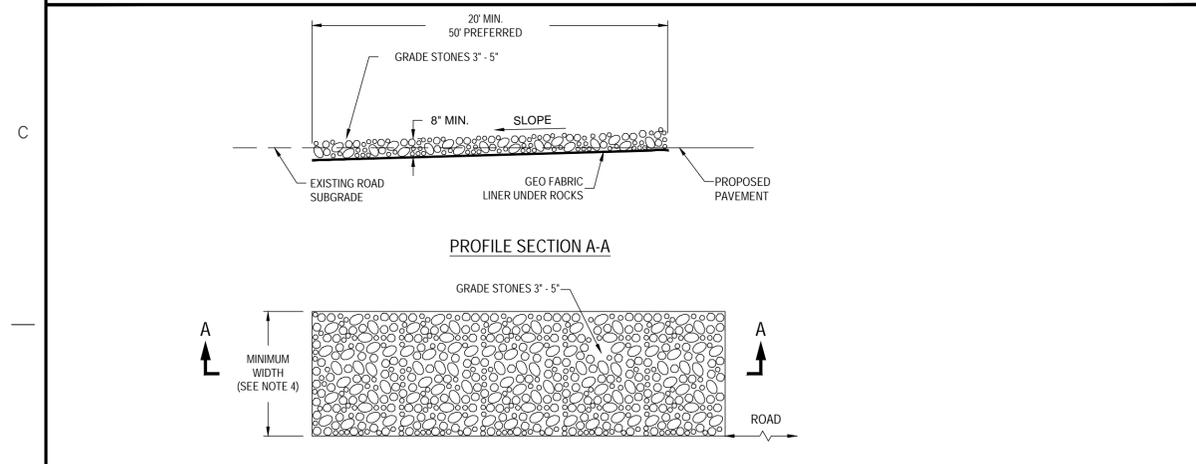
Department of Veterans Affairs

ONE INCH = TWO-HUNDRED FIFTY FEET
 ONE INCH = TWO-HUNDRED FEET
 ONE INCH = ONE-HUNDRED FEET
 ONE INCH = THIRTY FEET



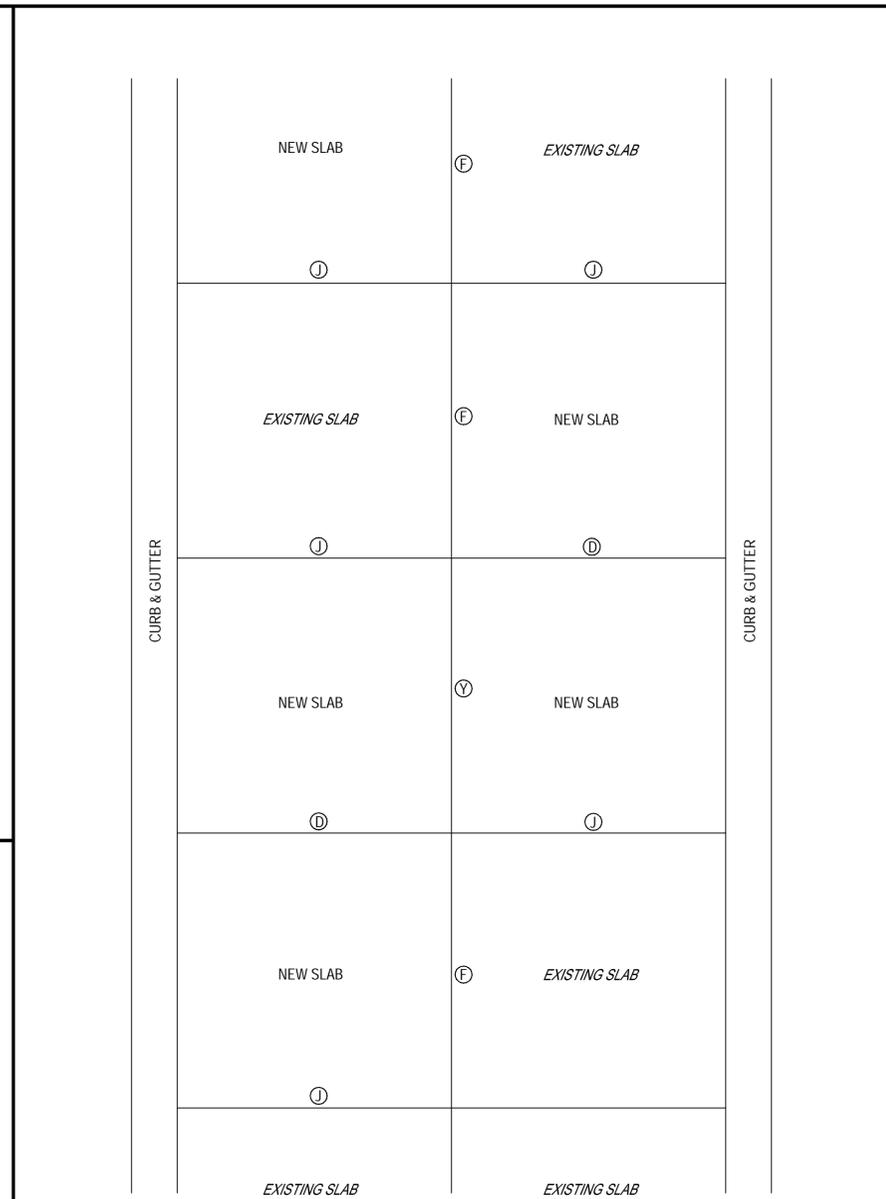
- NOTES:
- REFER TO WYDOT SPECIFICATIONS FOR DOWEL AND REBAR TYPE AND SPACING
 - DETAIL INTENDED TO PROVIDE ILLUSTRATION OF LOCATION OF VARIOUS JOINT TYPES. JOINTS SHALL BE CONSTRUCTED PER WYDOT SPECIFICATIONS

1 SLAB REPLACEMENT JOINT DETAIL
NTS



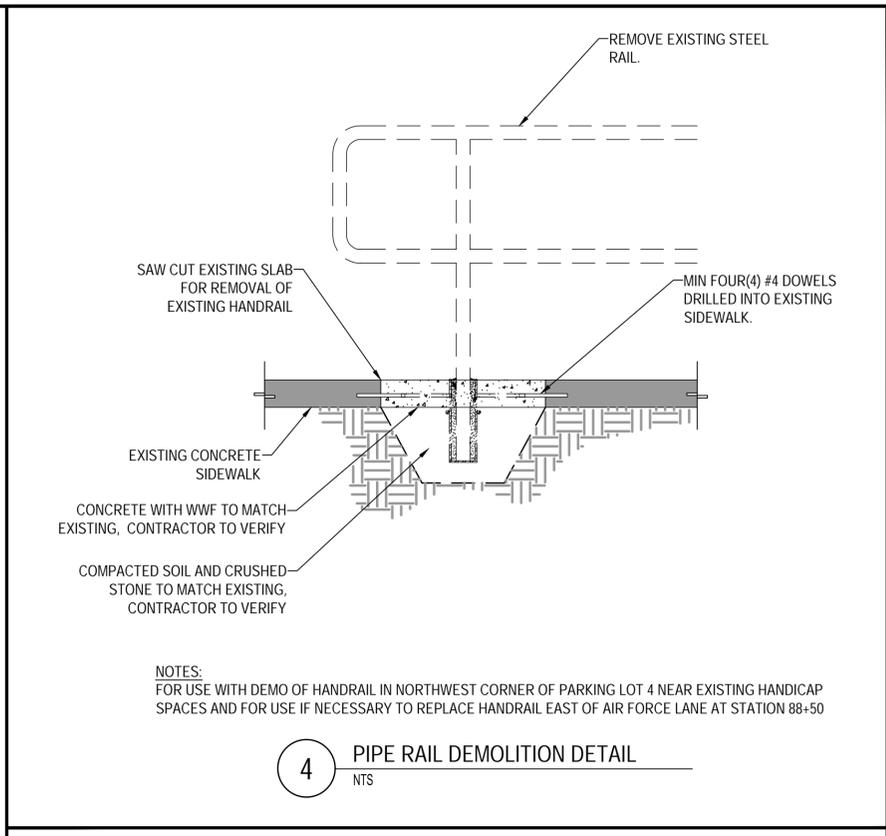
- NOTES:
- STONE SIZE: 3-5" OPEN GRADED ROCK.
 - LENGTH: 50' PREFERRED OR AS EFFECTIVE BUT NOT LESS THAN 20'.
 - THICKNESS: NOT LESS THAN 8".
 - WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
 - DIMENSIONS OF SITE WILL DICTATE THE DIMENSIONS OF THE STABILIZED CONSTRUCTION ENTRANCES IF THE PREFERRED DIMENSIONS ARE NOT POSSIBLE ON SITE.
 - WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
 - MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASUREMENT DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENT THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
 - DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
 - WHEN ALL SITE WORK IS COMPLETED, REMOVE STABILIZED CONSTRUCTION ENTRANCE COMPLETELY. REGRADE TO ORIGINAL CONDITION, ELEVATION AND RESTORE TO MATCH EXISTING OR PROPOSED CONDITIONS.
 - TOP OF GRADE STONES SHALL MATCH TOP OF EXISTING PAVEMENT OR CURB.

2 STABILIZED CONSTRUCTION ENTRANCE
NTS



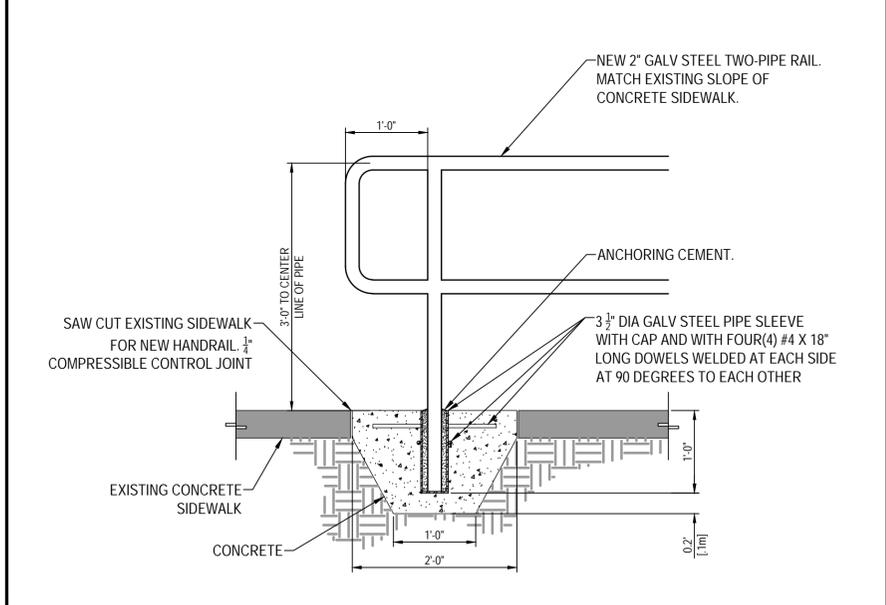
- NOTES:
- REFER TO SHEET CS280 FOR JOINT TYPE DETAILS
 - DETAIL INTENDED TO PROVIDE ILLUSTRATION OF LOCATION OF VARIOUS JOINT TYPES. JOINTS SHALL BE CONSTRUCTED PER WYDOT SPECIFICATIONS.

3 SLAB REPLACEMENT JOINT LAYOUT (EXAMPLE)
NTS



- NOTES:
- FOR USE WITH DEMO OF HANDRAIL IN NORTHWEST CORNER OF PARKING LOT 4 NEAR EXISTING HANDICAP SPACES AND FOR USE IF NECESSARY TO REPLACE HANDRAIL EAST OF AIR FORCE LANE AT STATION 88+50

4 PIPE RAIL DEMOLITION DETAIL
NTS



- NOTES:
- FOR USE IF NECESSARY TO REPLACE HANDRAIL EAST OF AIR FORCE LANE AT STATION 88+50

5 PIPE RAIL INSTALLATION DETAIL
NTS

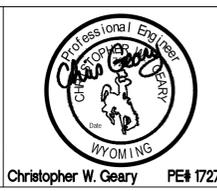
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CS291

Dwg. 195 of 195

Office of Construction and Facilities Management

Department of Veterans Affairs