# CONSTRUCTION DRAWINGS FOR

CURB AND SIDEWALK REPLACEMENT PROJECT CONTRACT 2

BOROUGH OF EBENSBURG CAMBRIA COUNTY, PENNSYLVANIA

PREPARED FOR THE
THE BOROUGH OF EBENSBURG
CAMBRIA COUNTY, PENNSYLVANIA

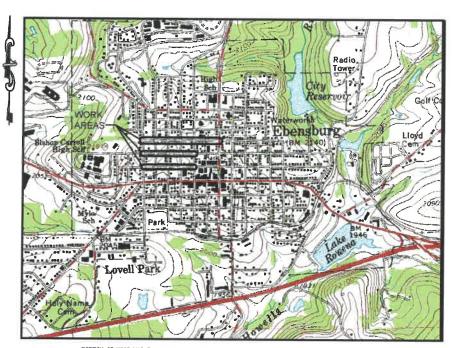
SHEET INDEX

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PROJECT VICINITY MAP

1"=2000'

PREPARED BY:
CDI CORP/L.R. KIMBALL
EBENSBURG, PA - JANUARY 2020

## DI L.R. Kimball

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CONSULTANT

BOROUGH OF EBENSBURG CURB AND SIDEWALK

BOROUGH OF EBENSBURG CAMBRIA COUNTY, STATE

REPLACEMENT

BOROUGH OF EBENSBURG

300 WEST HIGH STREET EBENSBURG, PA 15931

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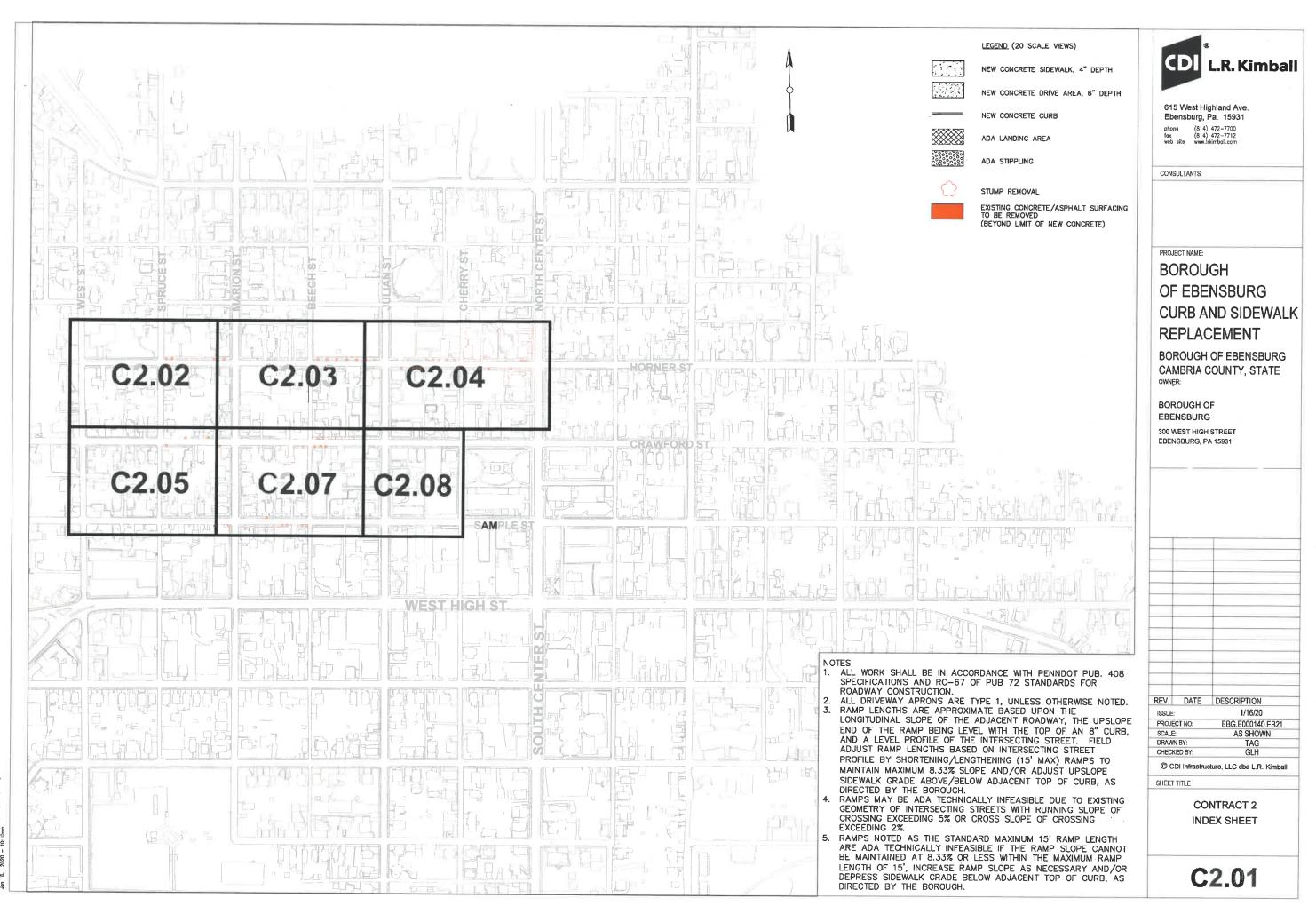
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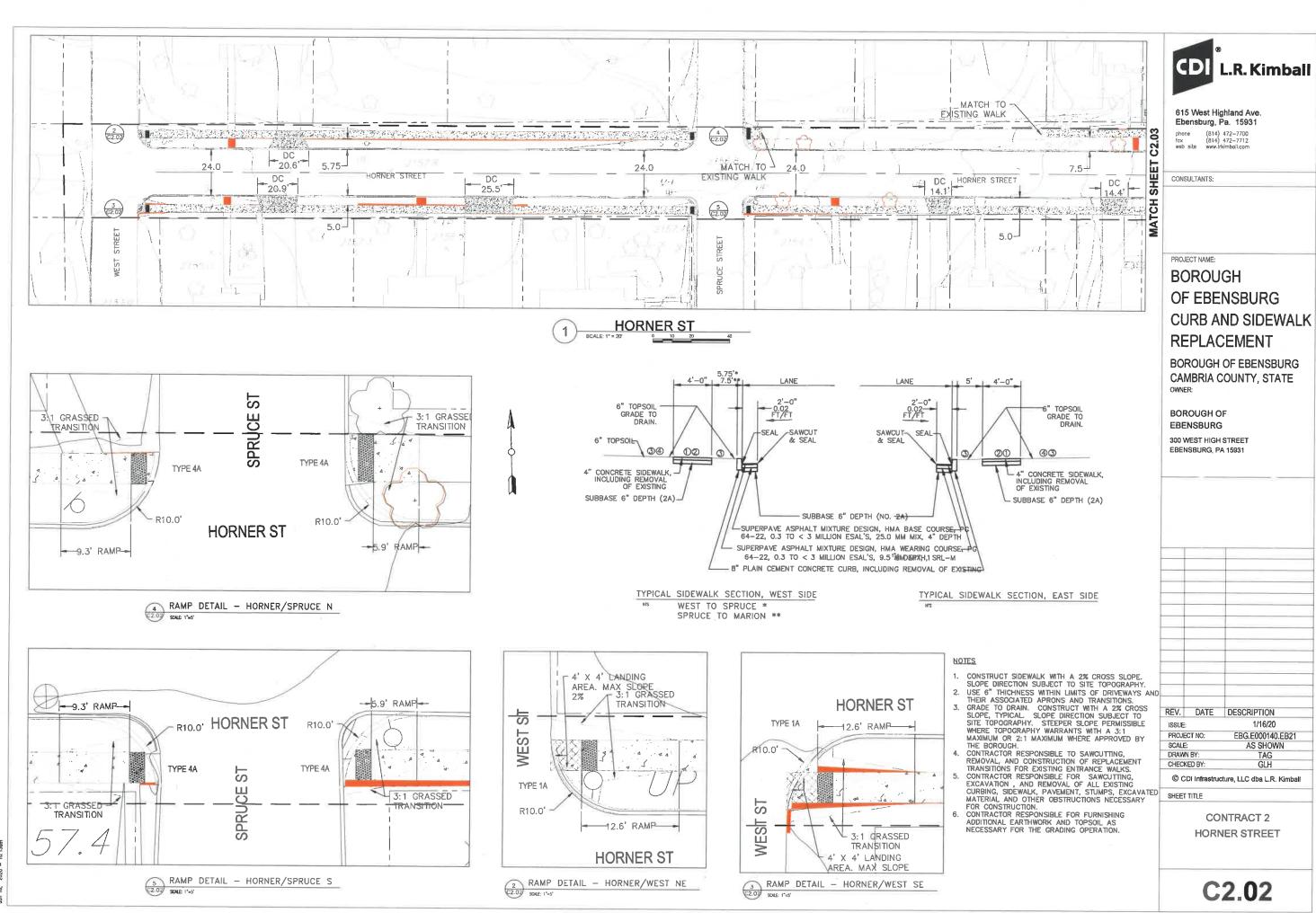
COVER AND SITE LOCATION MAP

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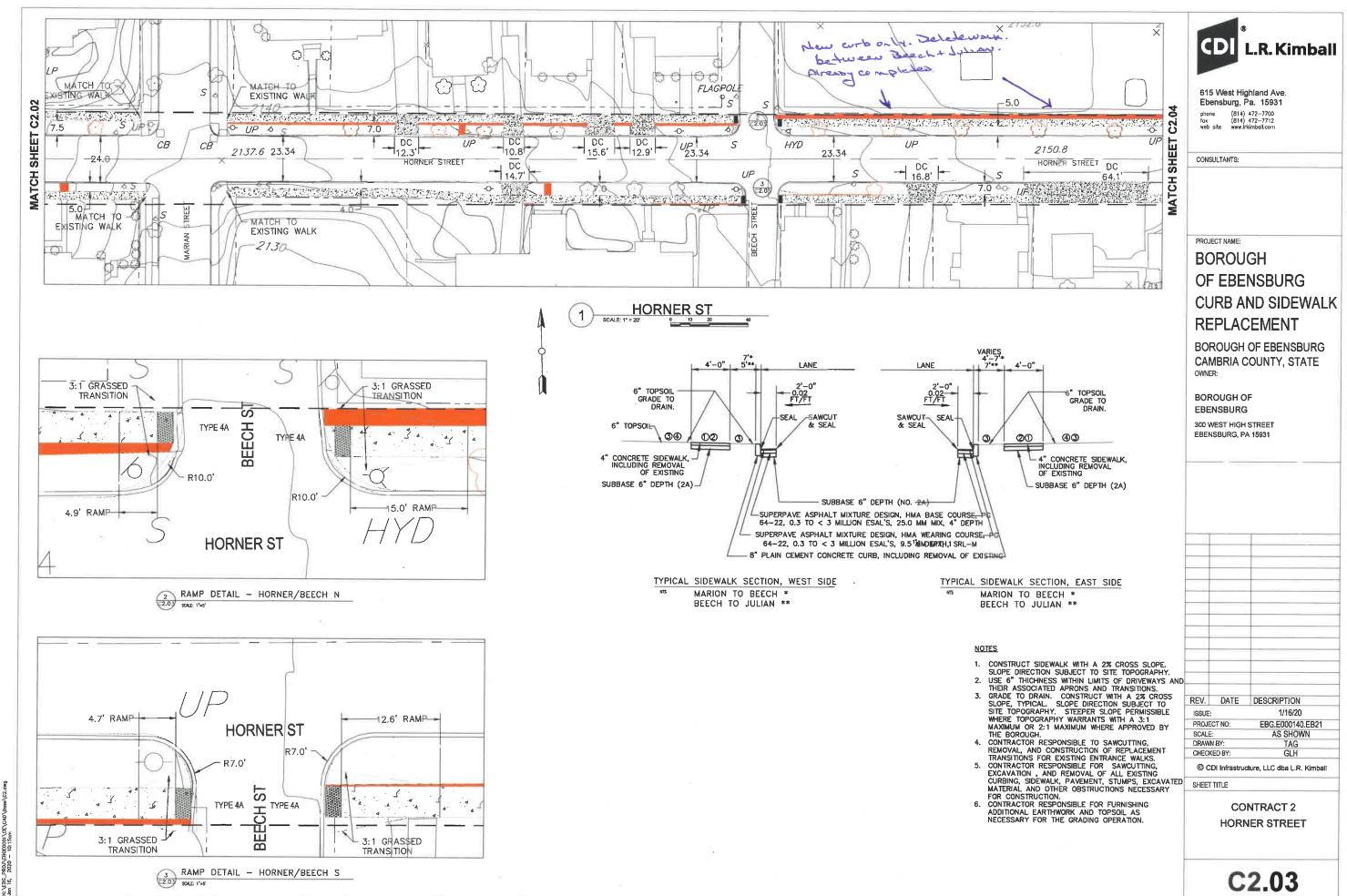
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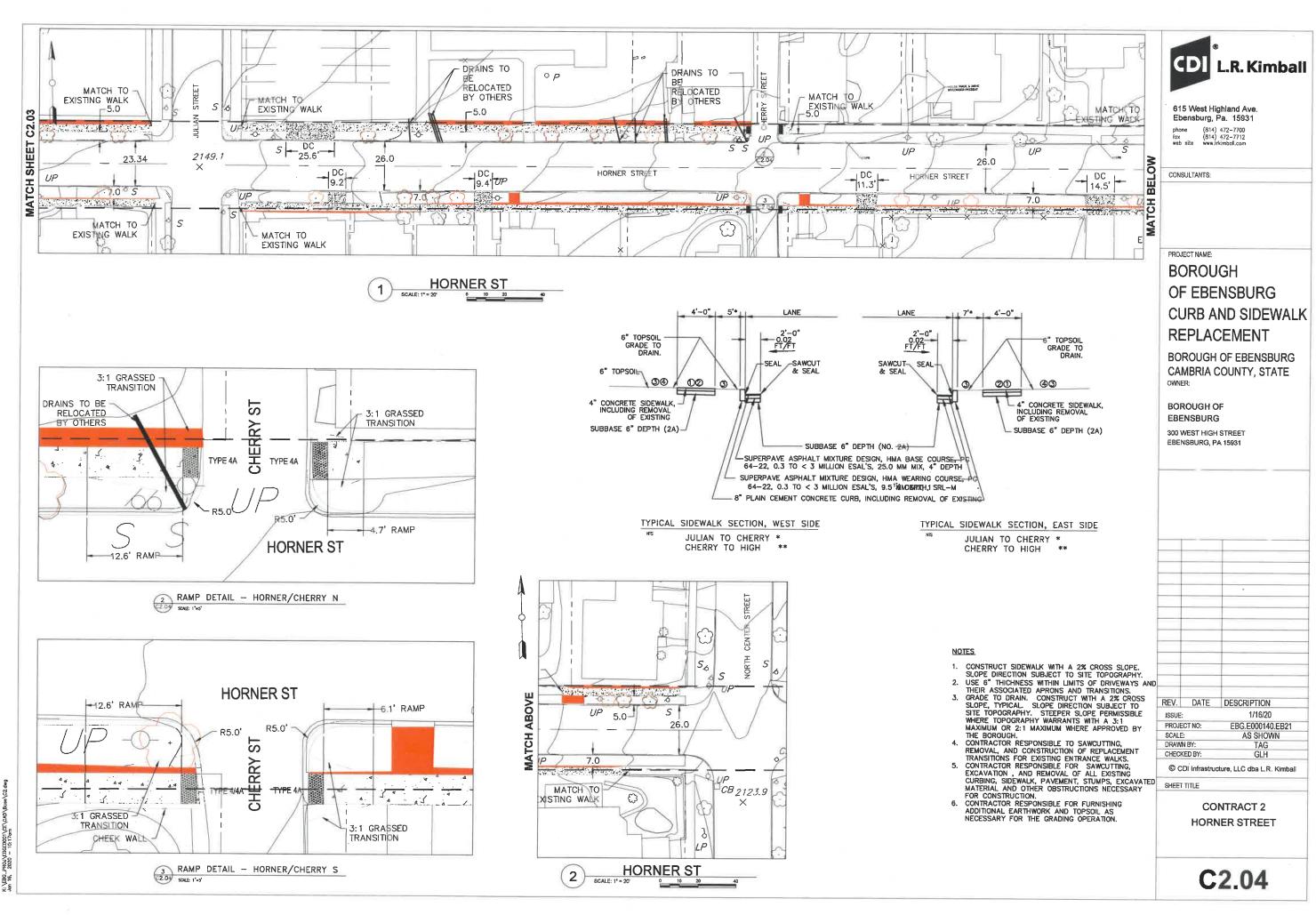


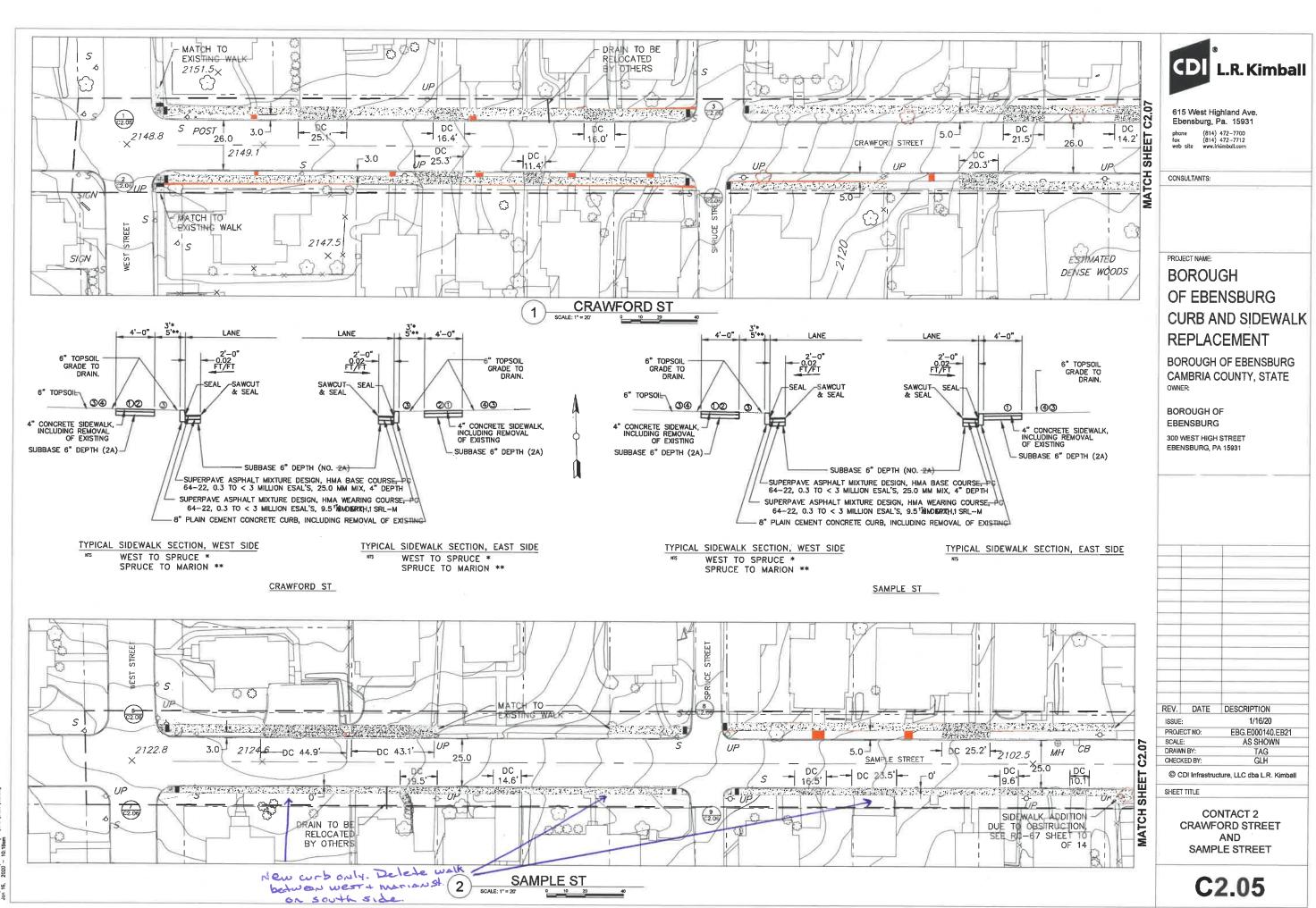
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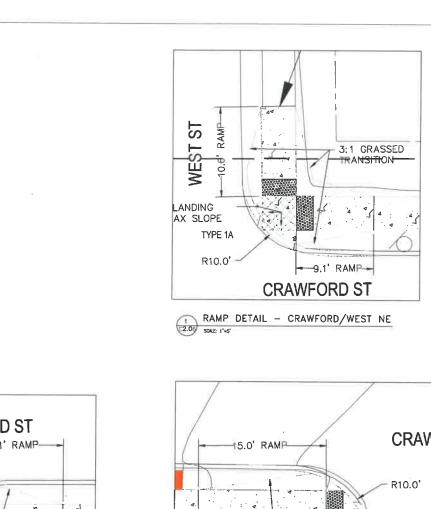
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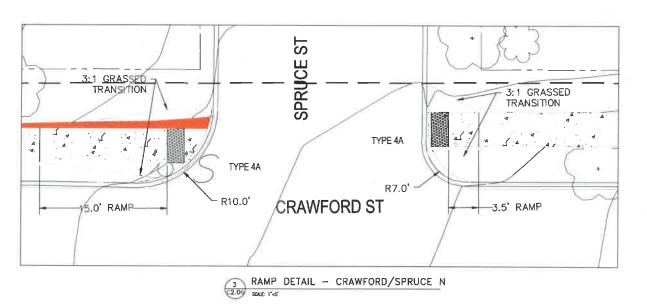


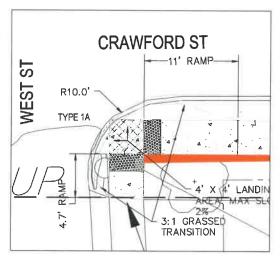




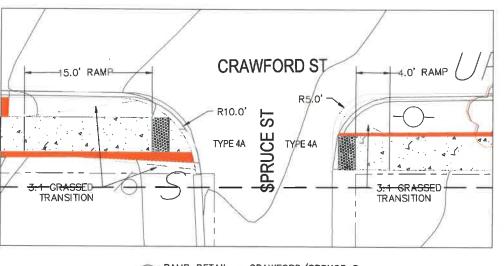
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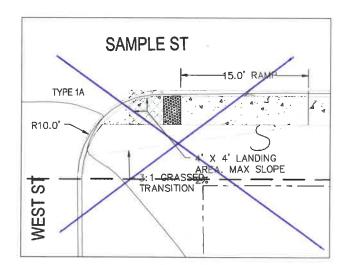


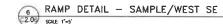


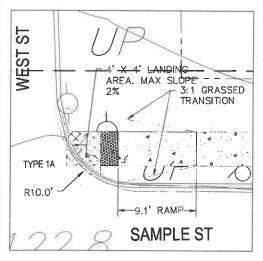


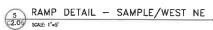


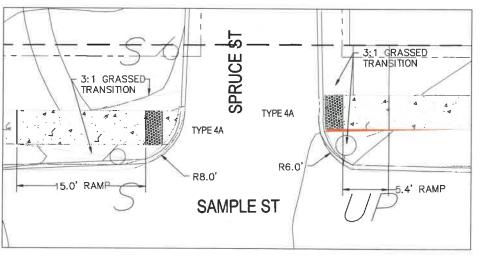


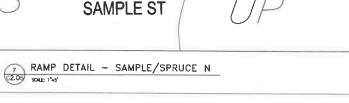


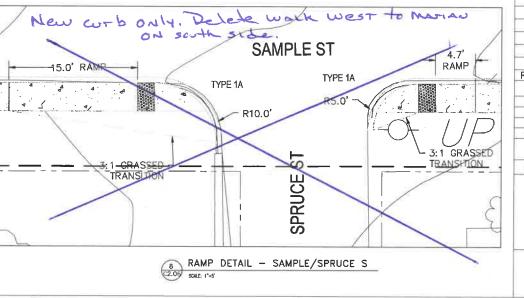














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CONSULTANTS:

PROJECT NAME:

## **BOROUGH OF EBENSBURG CURB AND SIDEWALK REPLACEMENT**

**BOROUGH OF EBENSBURG** CAMBRIA COUNTY, STATE

**BOROUGH OF EBENSBURG** 

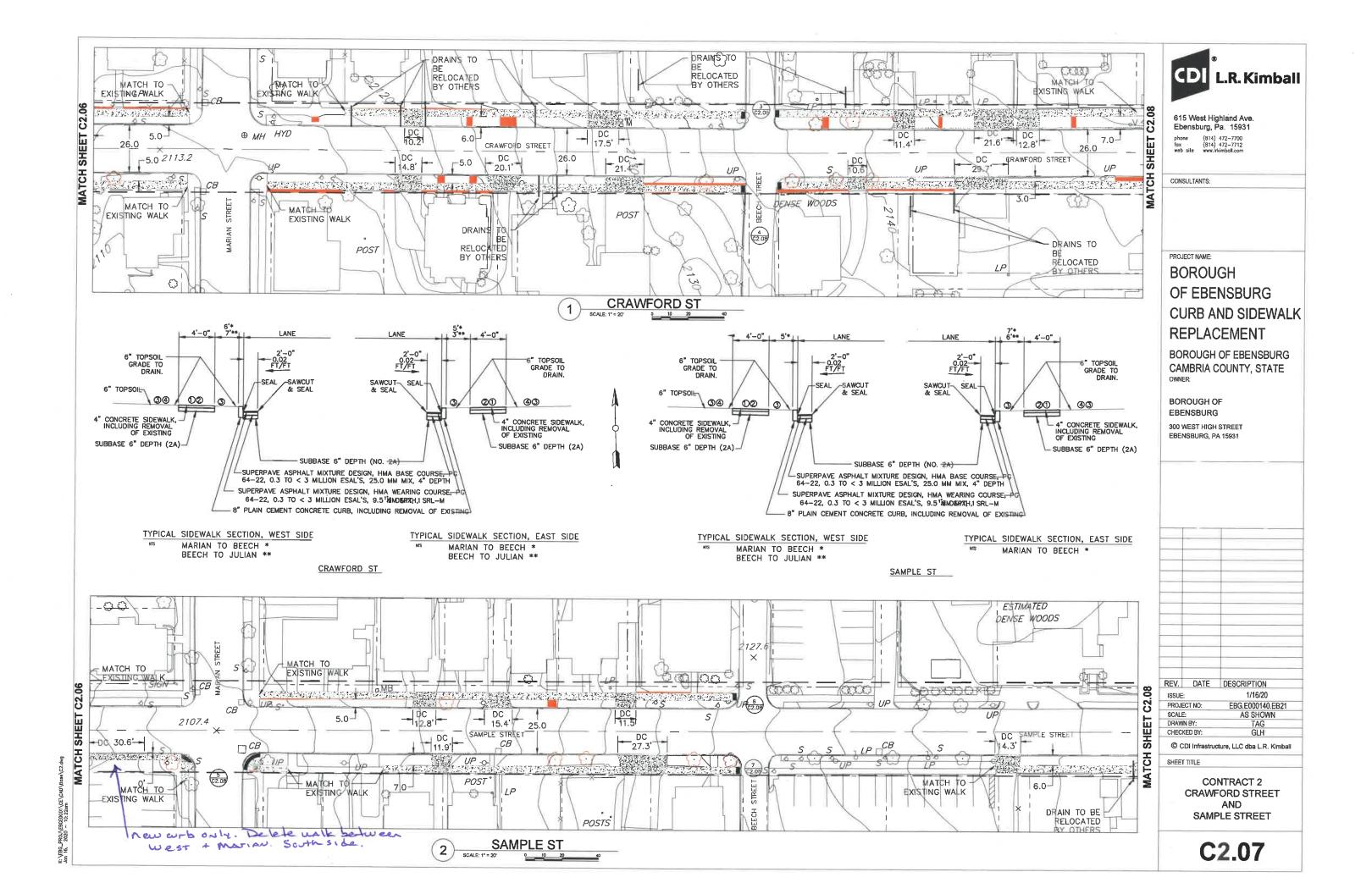
> 300 WEST HIGH STREET EBENSBURG, PA 15931

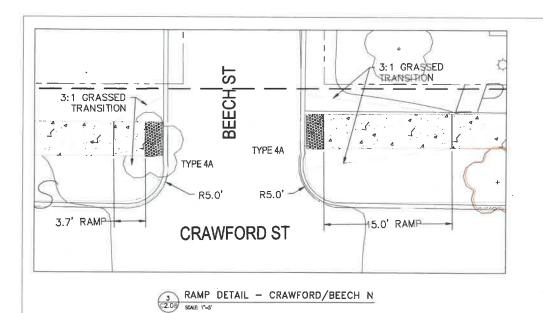
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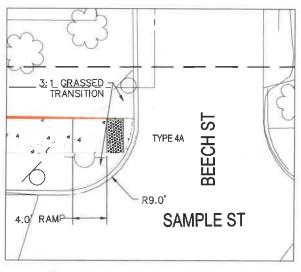
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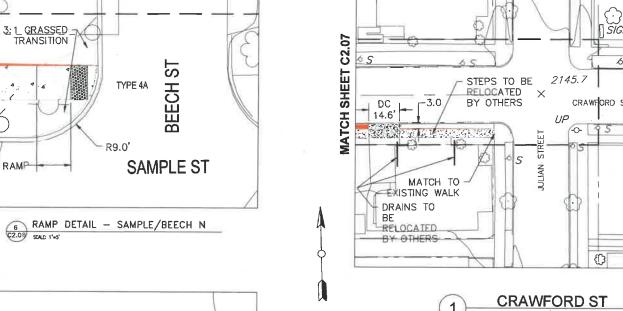
CONTRACT 2 CRAWFORD AND SAMPLE

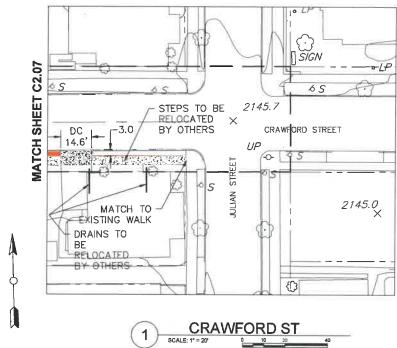
**DETAILS** 













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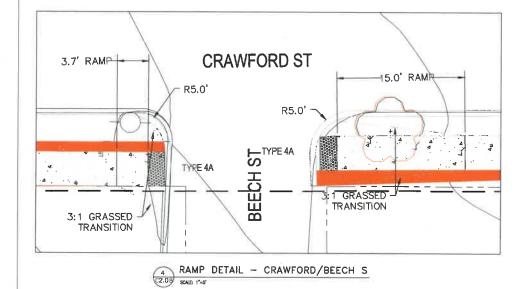
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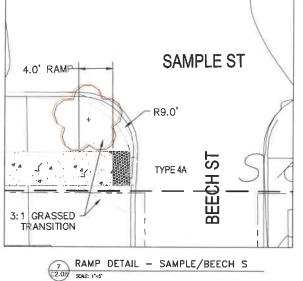
## **BOROUGH OF EBENSBURG CURB AND SIDEWALK** REPLACEMENT

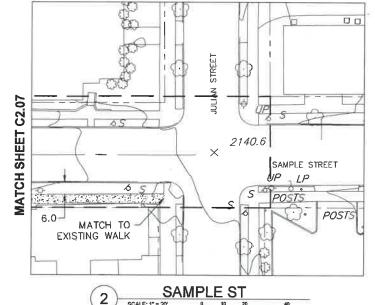
**BOROUGH OF EBENSBURG** CAMBRIA COUNTY, STATE

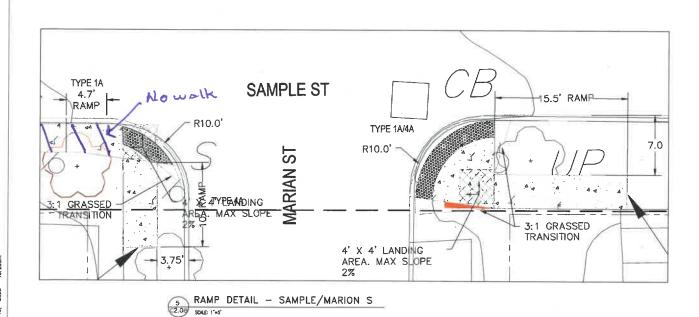
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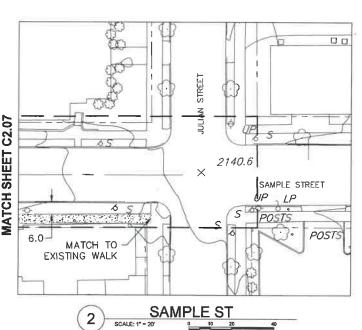
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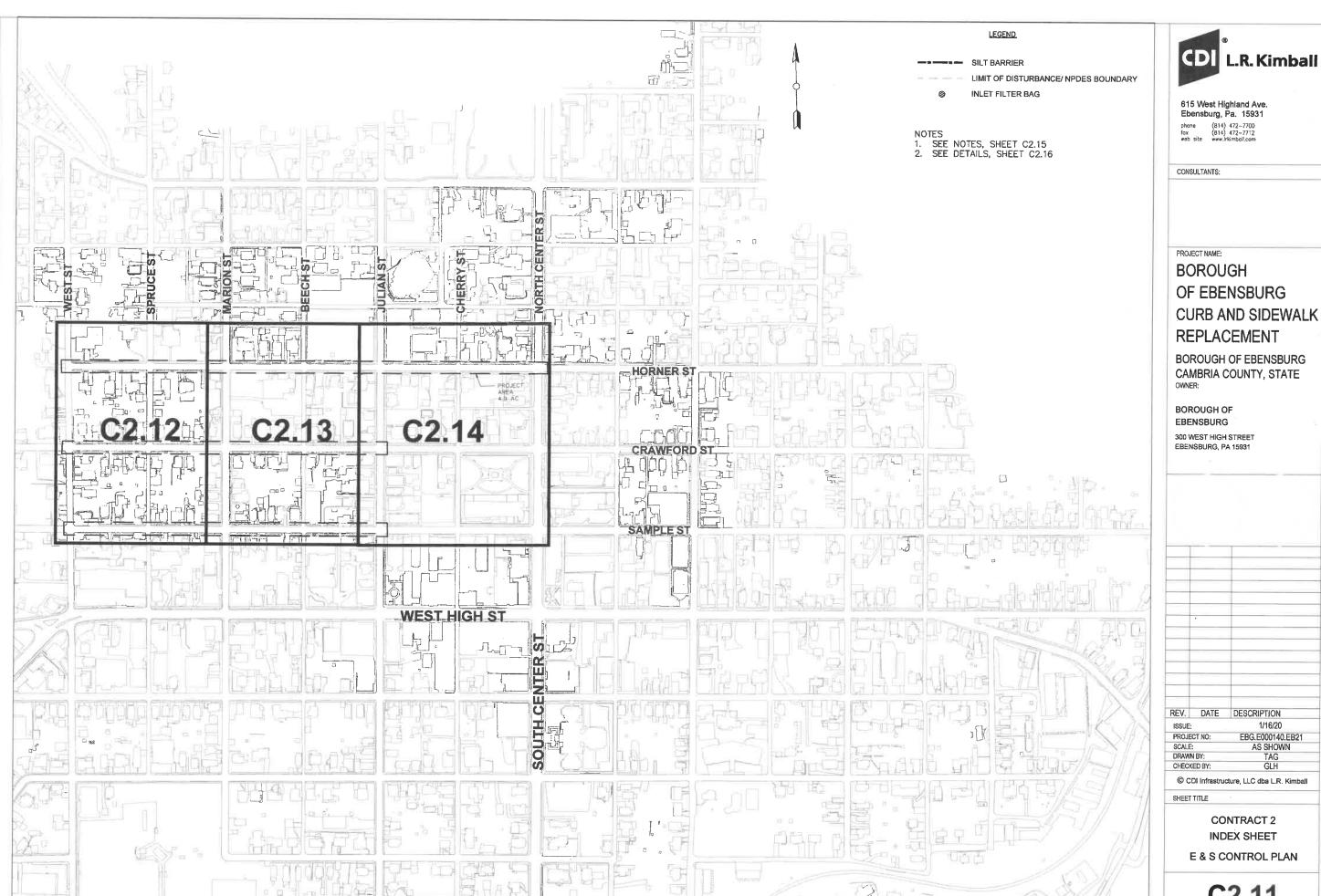


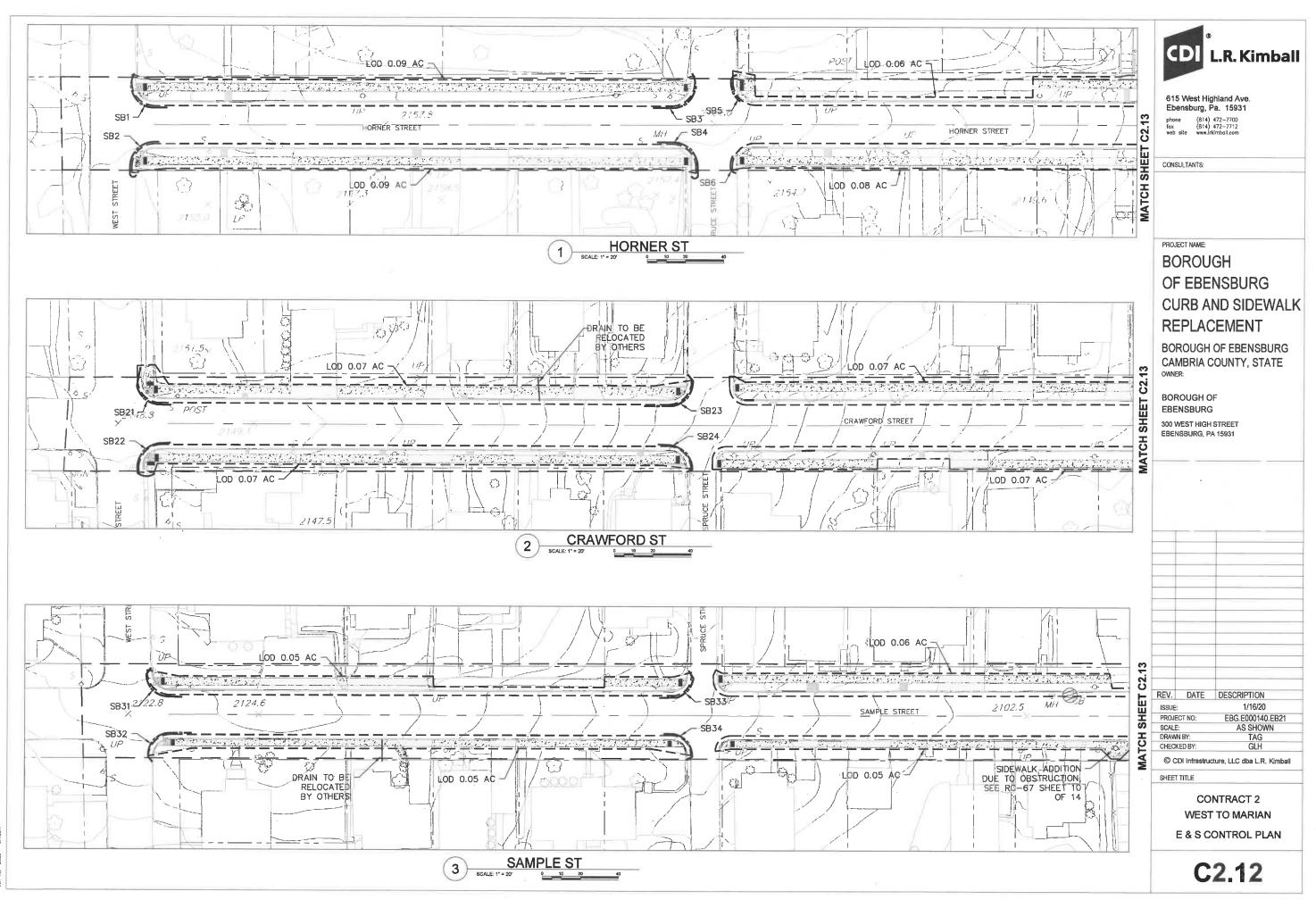


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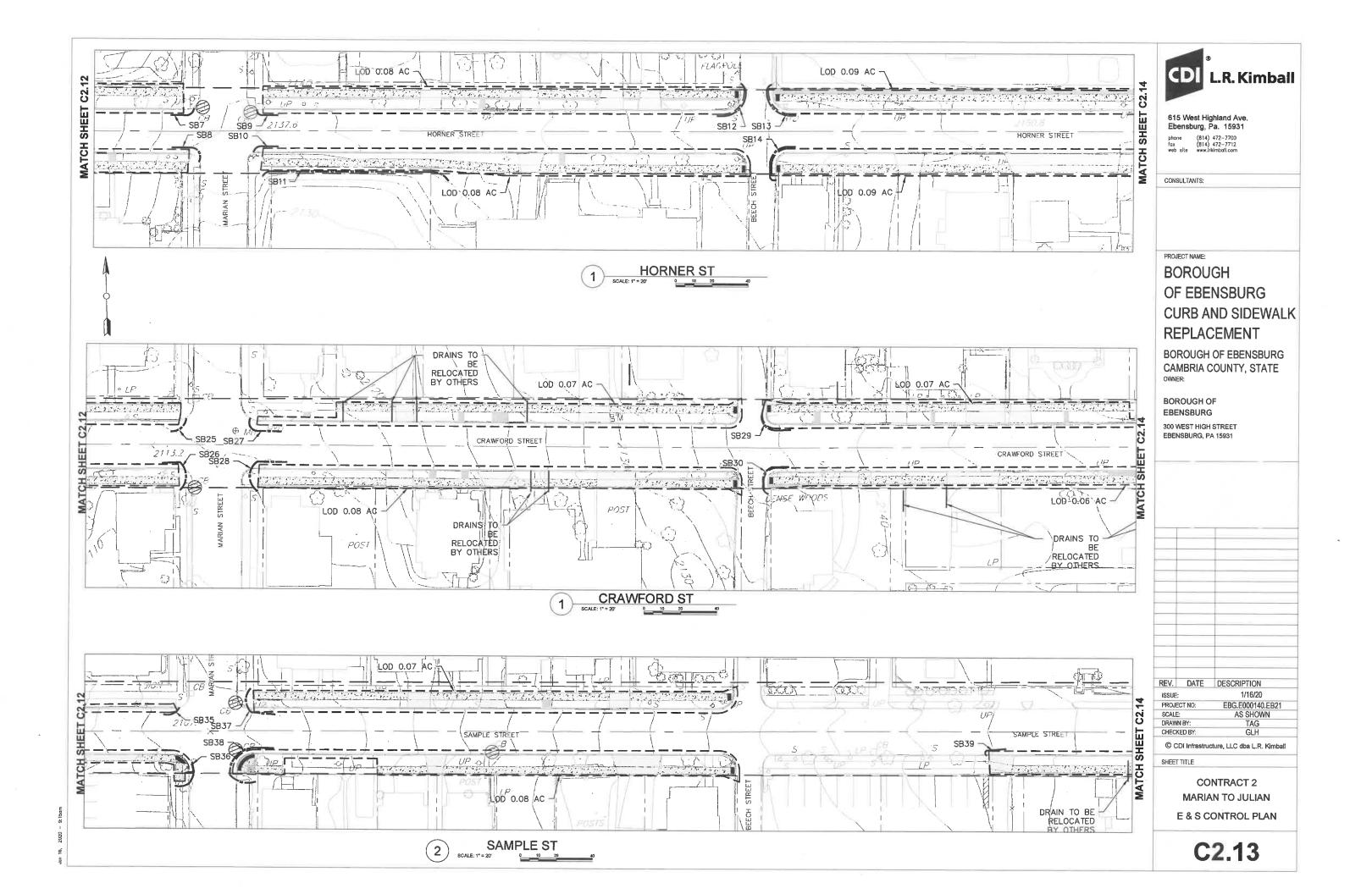
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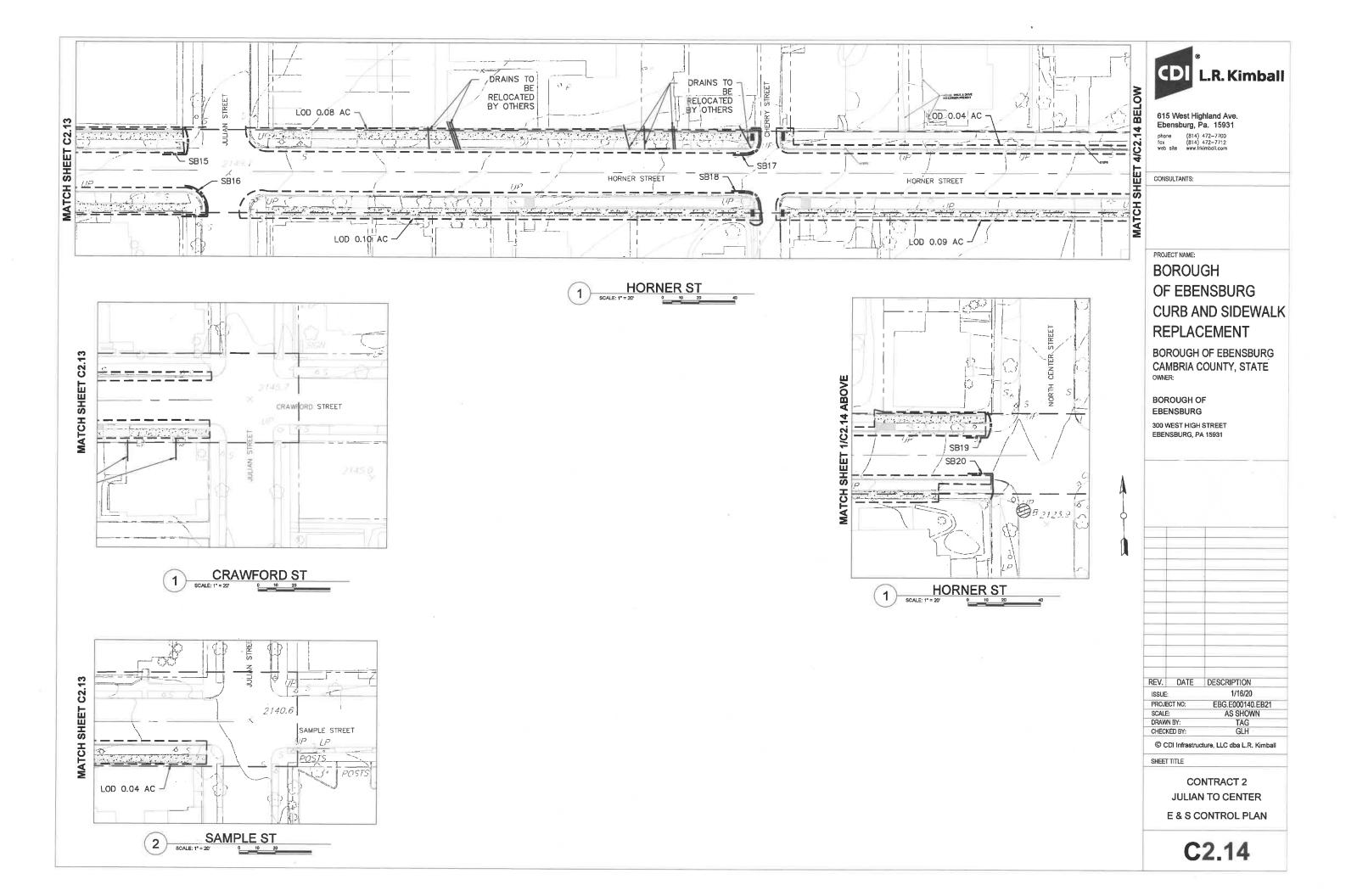
CONTRACT 2 **CRAWFORD STREET** AND SAMPLE STREET





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2. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENTATION CONTROL DEVICES AFTER EACH RAINFALL OR SNOW MEIT EVENT OR ON A WEEKLY BASIS AND REMOVE ALL ACCUMULATED SEDIMENT WHENEVER THE LEVEL OF ACCUMULATION HAS REACHED THE SPECIFIED SEDIMENT CLEANOUT LEVEL. OFPOSITS FROM THE SEDIMENT STRUCTURES WILL BE REMOVED TO THE CONTRACTOR'S DISPOSAL AREA OR UTILIZED ON SITE IN A

- 3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF HE SUSPECTS THAT ANY SEDIMENT OR EROSION CONTROL DEVICE IS NOT OPERATING CORRECTLY.
- 4. ALL EROSION AND SEDIMENTATION CONTROLS MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONAL BEFORE SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THE CONTROLS. ONLY LIMITED DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO THE EROSION AND SEDIMENTATION CONTROL DEVICES.
- 5. COMPOST FILTER SOCKS WILL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE SEDIMENT REACHES ONE—HALF OF THE BARRIER FAILS TO HOLD IN ANY WAY, THE FAILED SECTION WILL BE CLEANED AND REPLACED IMMEDIATELY, PRIOR TO THE FINAL REMOVAL OF BARRIER FOLLOWING ALL STAGES OF CONSTRUCTION AND STABILIZATION OF UPSLOPE DRAINAGE AREAS, THE ACCUMULATED SEDIMENT WILL BE REMOVED. AFTER REMOVAL, REGRADE AND RESTABILIZE AS
- 6. THE EXISTING PAVED ROADWAYS WILL BE KEPT CLEAN OF ALL SEDIMENT AND WILL BE INSPECTED DAILY BY THE CONTRACTOR.
- 7. CONTRACTOR MUST ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS. CONSTRUCTION WASTES INCLUDE, BUT ARE NOT LIMITED TO EXCESS SOIL MATERIALS, BUILDING MATERIALS, CONCRETE WASH WASTER, SANITARY WASTES, ETC. THAT COULD ADVERSELY IMPACT WATER QUALITY. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSEKEEPING, MATERIALS MANAGEMENT, AND LITTER CONTROL. WHERE POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, RATHER THAN DISPOSAL.

EROSION AND SEDIMENTATION NOTES UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH STORM EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REMULCHING, AND RENETTING MUST BE DESCRIBED. MUST AND THE MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REMULCHING, AND RENETTING MUST BE

PERFORMED IMMEDIATELY.

SHOULD ANY MEASURE CONTAINED, WITHIN THIS PLAN, PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT, FROM ON-SITE FLOWS PRIOR TO DISCHARGE, OR OF STABILIZING THE SURFACES INVOLVED, ADDITIONAL MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE PROPERTY OWNER/DEVELOPER TO ELIMINATE ALL SUCH PROBLEMS.

AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED.

#### DESCRIPTION OF THE LOCATION AND TYPE OF PERIMETER AND ON SITE BMP'S.

THE PURPOSE OF THE PROPOSED TEMPORARY CONTROL MEASURES IS TO PREVENT SEDIMENTATION FROM EXTING THE PROJECT SITE AND EVENTUALLY ENTERING A WATERWAY DURING CONSTRUCTION.

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF TEMPORARY CONTROL MEASURES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTING THE EROSION AND SEDIMENTATION CONTROL PLAN AS NECESSARY, IN ORDER TO PREVENT EROSION AND THE UNCONTROLLED RELEASE OF SEDIMENT LADEN RUNOFF. THE FOLLOWING PROPOSED TEMPORARY CONTROL MEASURES ARE SHOWN ON THE CONSTRUCTION DRAWINGS AND WERE DESIGNED IN ACCORDANCE WITH THE DEP EROSION AND SEDIMENT POLLUTION CONTROL MANUAL.

SILT SACKS AND INLET PROTECTION: SILT SACKS WILL BE REQUIRED FOR ALL INLETS RECEIVING SILT-LADEN RUN-OFF.

COMPOST FILTER SOCKS SHALL BE INSTALLED AROUND THE PERIMETER OF THE PROJECT DOWNSLOPE OF THE WORK AREA. THE COMPOST FILTER SOCK SHALL FILTER RUNOFF WATER BEFORE IT LEAVES THE SITE.

- SIRAW SHALL BE UNROTTED, SMALL GRAIN FREE OF ALL KINDS OF WEEDS AND PROHIBITIVE NOXIOUS WEEDS SUCH AS: THISTLES, JOHNSONGRASS AND QUACKGRASS.
   WOOD CELLULOSE SHALL BE GREEN DYED AND AIR—DRIED WOOD CELLULOSE FIBERS, CONTAINING NO GROWTH OR GERMINATION INHIBITING SUBSTANCES, IN PACKAGES NOT EXCEEDING ONE HUNDRED POUNDS NET WEIGHT SHOWN ON PACKAGE AND MEETING THE FOLLOWING:
   A. MOISTURE CONTENT: 14% +/- 38.
  - ORGANIC MATTER (OVEN DRIED BASIS): 98.6+/- 0.2%
  - C. ASH CONTENT: 1.4% +/- 0.2%

    D. WATER HOLDING CAPACITY: 1000% MINIMUM
- SHREDDED BARK SHALL BE SUITABLE FIBROUS GROUND, SHREDDED OR CHUNKS, AGED HARDWOOD BARK, FREE FROM VIABLE, NOXIOUS WEED SEEDS AND INSECTLIFE NOT DECOMPOSED AND BETWEEN 1/4" AND 2" IN
- DIMENSION

  EMULSIFIED ASPHALT SHALL COMFORM TO PADOT STANDARDS

  CONTAINING NO SOLVENTS OR DILUTING AGENTS TOXIC TO PLANT LIFE
  AND NOT MORE THAN 0.75% OF SAPONIFIABLE ACIDS.

  CUTBACK ASPHALT SHALL COMFORM TO PADOT STANDARDS.

  NON ASPHALTIC EMULSION SHALL BE NATURAL VEGETABLE GUM

  PLENDED HER LIFE LIFE AND ASPHALT SHALL OF STANDARDS.
- BLENDED WITH JELLING AND HARDENING AGENTS (TERRA TACK AR) AS MANUFACTURED BY GRASS GROWERS COMPANY OR EQUAL. OTHER MULCH BINDERS AS APPROVED BY THE PADEP BUREAU OF LAND
- AND WATER CONSERVATION.
- AND WAIER CONSERVATION.
  SEEDING AND MULCHING WILL OCCUR AFTER ANY EARTH DISTURBANCE
  THAT WILL NOT BE DISTURBED AFTER 4 DAYS.

#### CONSTRUCTION SEQUENCE NOTES

1. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE. EACH STAGE SHALL BE COMPLETED IN COMPLIANCE WITH CHAPTER 102 REGULATIONS BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

A 2. BEFORE IMPLEMENTATION OF ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EAS CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE CAMBRIA COUNTY CONSERVATION DISTRICT.

3. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 E. SEQ. AND 287.1 ET SEQ.

4. BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE OPERATOR MUST PROVIDE PROOF THAT EACH SPOIL OR BORROW AREA HAS AN EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE CAMBRIA COUNTY CONSERVATION DISTRICT, AND WHICH IS BEING IMPLEMENTED AND MAINTAINED ACCORDING TO CHAPTER 102

5. ANY FILL MATERIAL IMPORTED TO THE SITE SHALL BE "CLEAN" FILL IN ACCORDANCE WITH PADEP REGULATIONS AND CONSTRUCTION SPECIFICATIONS. CLEAN FILL IS DEFINED AS UNCONTAMINATED INERT SOLID MATERIAL THAT MAY INCLUDE SOIL, ROCK, DREDGED MATERIAL, USED ASPHALT AND BRICK, BLOCK, OR CONCRETE FROM C & D ACTIVITIES THAT HAS BEEN UNAFFECTED BY SPILL OR RELEASE, OR IF AFFECTED, LEVELS ARE BELOW RESIDENTIAL SHS. ENVIRONMENTAL DUE DILIGENCE SHALL BE USED AND MEANS THAT EVERY EFFORT SHALL BE MADE TO ENSURE THAT THE LAND BEING PURCHASED, /DEVELOPED DOES NOT POSE ANY POTENTIAL RISKS OR ENVIRONMENTAL HAZARDS THAT MAY AFFECT THE AREA'S DEVELOPMENT OR ITS FUTURE OCCUPANTS.

#### PROPER MEASURES FOR DISPOSING AND RECYCLING MATERIALS FROM THE PROJECT SITE

SITE

SEDIMENT MATERIAL REMOVED FROM THE VARIOUS CONTROL FACILITIES WILL BE TRANSPORTED TO AND DEPOSITED IN AN ON-SITE AREA ACCEPTABLE TO THE ENGINEER. THE AREA IN QUESTION WILL BE LOCATED WITHIN THE EXISTING TEMPORARY EROSION AND SEDIMENTATION CONTROL RUNOFF AREA TO PREVENT FURTHER SEDIMENT RUNOFF DUE TO THE OCCURRENCE OF AN ADDITIONAL RAINFALL EVENT. MATERIALS DEPOSITED IN THESE AREAS WILL BE ALLOWED TO DRY TO AT LEAST THE OPTIMUM MOISTURE CONTENT BEFORE BEING INTEGRATED WITH OTHER EXCAVATED MATERIAL AND USED IN THE PLACEMENT OF COMPACTED FILL. ANY ADDITIONAL DEBRIS THAT ACCUMULATES, AND CANNOT BE RECYCLED ON-SITE, WILL BE TRANSPORTED TO AN APPROPRIATE DISPOSAL LOCATION. THE DISPOSAL LOCATION WILL BE DETERMINED BY THE MATERIAL IN QUESTION, AND BY THE RULES AND REQULATIONS SET FORTH BY THE DEP, COUNTY CONSERVATION DISTRICT, AND THE LOCAL MUNICIPALITY. PRIOR TO THE REMOVAL OF ANY MATERIAL (I.E. EXCESS SOIL, BUILDING MATERIALS, CONCRETE, WASH WATER, SANITARY WASTES, ETC.) FROM THE SITE, THE CONTRACTOR MUST HAVE AN EROSION AND SEDIMENTATION CONTROL PLAN WITH ACCEPTABLE BMP'S APPROVED BY THE LOCAL MUNICIPALITY AND COUNTY CONSERVATION DISTRICT, FOR THEIR DISPOSAL LIC. CONTRACTOR MUST HAVE AN EROSION AND THE LOCAL MUNICIPALITY AND COUNTY CONSERVATION DISTRICT, FOR THEIR DISPOSAL SITE. CONTRACTOR IN SEPONSIBLE TO PROVIDE ADEQUATE MEASURES FOR HOUSEKEEPING, MATERIAL MANAGEMENT, AND LITTER CONTROL.

#### MAINTENANCE PROGRAM

MAINTENANCE OF TEMPORARY CONTROLS: UNTIL THE SITE IS STABILIZED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL BMP'S. CONTRACTOR IS
RESPONSIBLE TO PAY FOR ANY EROSION AND SEDIMENTATION
CONTROL VIOLATIONS ON SITE. MAINTENANCE MUST INCLUDE CONTROL MOLATIONS ON SITE. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RE-GRADING, RESEDING, RE-MULCHING, AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENTATION CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED. RESPONSIBILITIES SHALL INCLUDE, BUT NOT LIMITED TO THE REQUIRED. FEMONMING FOUNDED WATER. INSPECT ANY LOW LYING AREAS, AS WELL AS ANY STRUCTURAL AREAS WHICH WATER COULD ACCUMULATE IN. WELL AS ANY STRUCTURAL AREAS WHICH WATER COULD ACCUMULATE IN. THIS WOULD CONSIST OF OPEN BUILDING FOUNDATIONS AND/OR BASEMENTS, AND ANY OTHER AREAS WHERE WATER COULD ACCUMULATE. PUMPED WATER FILTER BAGS MAY BE USED TO DEWATER SUCH AREAS AND FILTER SILT LADEN WATER FROM DISTURBED AREAS, PRIOR TO DISCHARGING TO WATERS OF THE COMMONWEALTH BY WAY OF THE ON-SITE STORMWATER COLLECTION SYSTEM. PUMPED WATER FILTER BAGS SHALL BE INSTALLED AND IMPLEMENTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN DRAWINGS.

DAILY SEDIMENT REMOVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAILY REMOVAL OF ANY SEDIMENT DEPOSITED ON PUBLIC ROADS AND RETURN TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH WATER WILL BE UNACCEPTABLE.

COMPOST FILTER SOCKS SHALL BE CLEANED WHEN SEDIMEN ACCUMULATIONS HAVE REACHED 1/2 THE HEIGHT OF THE SOCK. DAMAGED SOCK SHALL BE REPLACED IMMEDIATELY.

AN ADEQUATE SUPPLY OF ADDITIONAL EROSION/SEDIMENTATION CONTROL MATERIALS (INCLUDING, BUT NOT LIMITED TO, COMPOST FILTER SOCKS, INLET PROTECTION, TEMPORARY SEED, SAND BAGS, ROCKS, AND GRAVEL) SHALL BE STOCKPILED AND ARE TO BE USED IN THE EVENT THAT EMERGENCY REPAIRS OF SOIL EROSION/SEDIMENTATION CONTROLS ARE REQUIRED.

MAINTENANCE OF PERMANENT CONTROLS: AFTER FINISHED SUB-GRADES ARE CONSTRUCTED, LEAVE TEMPORARY CONTROLS IN PLACE. TOPSOIL WILL BE SPREAD, SOIL SUPPLEMENTS WILL BE ADDED AND THE AREA WILL BE

ANY STABILIZED AREAS DISTURBED DURING THE MAINTENANCE ACTIVITIES SHALL BE IMMEDIATELY STABILIZED WITH THE DESIGN STABILIZATION OF THE

ALL INSPECTIONS SHALL BE LOGGED ONTO PADEP FORM 3150-FM-8WEW0083 DATED 2/2012 AND KEPT ON SITE AT ALL TIMES.

CRITICAL STAGES OF IMPLEMENTATION NONE.

#### CONSTRUCTION SEQUENCE

- Contact the Cambria County Conservation District at least seven days prior to the intended start of construction to schedule a preconstruction meeting to be hald with the Conservation District, contractor, and the Project Engineer. Ebeneburg Borough shall also be notified in writing three days prior to the meeting.
- 3 Contractor shall provide additional erosion and sedimentation control devices as necessary based on site conditions and weather patterns
- 4. If at any time during construction sediment lader water cannot be diverted to the sill sock, it must be pumped though a filter bag facility, such as the one shown on the Erosion & Sediment Control Detail sheet, before being discharged to the existing downstream valencity.
- 5. Contractor shall acquire E&S Plan approval for any off-site borrow or waste areas that will supply material for this site or facilitate disposal of
- 6. Install inlet litter bags and silt barriers prior to initiating any upslope excavation wort
- 7. Saw cut pevernent inward of new face of curb to create a neat excavation line
- 8. Excavate and deposit in waiting trucks any liopsoil to be stockpilled for subsequent stabilization efforts. Stockpile at Contractor's extabilished
- Excavate to remove existing curb, sidewalk, tree stumps and excess soil, depositing material directly into waiting trucks to avoid deposition on unprotected areas outside of Limit of Disturbance.
- 10. Grade for and install new curb and sidewalk
- 11. Stabilize uncaved areas with topsoil, seeding, and mulch
- 12. Repaye gap along new face of curb



SITE SOILS MAP

## L.R. Kimball

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CONSULTANTS:

PROJECT NAME:

## **BOROUGH** OF EBENSBURG **CURB AND SIDEWALK** REPLACEMENT

**BOROUGH OF EBENSBURG** CAMBRIA COUNTY, STATE OWNER:

BOROUGH OF **EBENSBURG** 

300 WEST HIGH STREET EBENSBURG, PA 15931

#### SOIL TYPES TABLE DETAIL

SYMBOL	NAME	SLOPE (%)	DRAINAGE - CLASS	DEPTH TO BEDROCK	DEPTH TO SEASONAL HIGH H20 TABLE (FT	PERMEABILITY (IN/HR)	CAPABILITY SUB CLASS	HYDROLOGIC SOIL GROUP
Ur	Urban Land	NA	NA	NA	NA	NA	NA	NA
CeB	Cookport & Earnest	3-8%	Mod Well	40	4	NA I	2e	C/D
WgC	WPIDE ton / Gilpin	8-15	Mod Well	25	14	0.06 - 2.00	Зе	C/D

THE LIMITATIONS FOR THE ABOVE SOILS INCLUDE LIMITATIONS THAT REDUCE THE CHOICE OF PLANTS THAT CAN BE USED. SEE BELOW FOR SPECIFIC LIMITATIONS. THESE LIMITATIONS WILL BE OVERCOME BY IMPLEMENTING A PROPER PLANTING PLAN FOR THE SOILS LOCATED ON SITE OR USE AN AMENDED SOIL MIX IF NEEDED.

#### CAPABILITY/SUBCLASS CLASSIFICATION

III SOILS HAVE SEVERE LIMITATIONS THAT REDUCE THE CHOICE OF PLANTS OR THAT REQUIRE SPECIAL CONSERVATION PRACTICES OR BOTH W -WATER INTERFERENCE MAY OCCUR

#### GENERAL NOTES

THE ABOVE SOILS INFORMATION IS PROVIDED FROM THE NRCS WEB SOIL SURVEY AS GENERAL INFORMATION ONLY IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ACTUAL SITE CONDITION. THE LANDSCAPE PLAN HAS BEEN DEVELOPED BY A REGISTERED LANDSCAPE ARCHITECT WITH THE SOIL LIMITATIONS IN MIND. SOIL AMENDMENTS AND PROPER MULCHING ARE PLANNED IN CERTAIN AREAS TO ACCOMMODATE THE LIMITATIONS OF THE SOIL TYPES.

#### SYMBOL LIMI CeB CUTBANKS CONCRETE DROUGHTY, LIMITATIONS

1	CUTBANKS CAVE, CORROSIVE TO	T
	CONCRETE AND STEEL,	ls
	DROUGHTY, EASILY ERODIBLE,	١Ď
	DEPTH TO SATURATED	A
	ZONE/SEASONAL HIGH WATER	A
	TABLE, HYDRIC/HYDRIC	G
	INCLUSIONS, LÓW	A
	STRENGTH/LANDSLIDE PRONE,	A
	SLOW PERCOLATION, PIPING.	ľс
	POOR SOURCE OF TOPSON	Ιè
	EROBANKSTIONVE, SERRROSSWELLO	P
	MEDINEGE AND CHES	Lb

DROUGHTY, EASILY ERODIBLE,
DEPTH TO SATURATED ZONE/SEASONAL HIGH WATER TABLE, HYDRIC/HYDRIC INCLUSIONS, LOW STRENGTH/LANDSLIDE PRONE, SLOW PERCOLATION, PIPING,

JAB ENUBRANKISTIONIVE, SBBRROSSWELTO WEINCRESE AND STEEL DROUGHTY, EASILY ERODIBLE. LOW STRENGTH/LANDSLIDE POOR SOURCE OF TOPSOIL

VgC EROBANKST

ADDITIONAL LIMITATION NOTES

LIMITATIONS RESOLUTION

1 THE CONTRACTOR STALL INFLEMENT AT ALL TIMES ALL APPLICABLE OSHA STANDARDS AND REQULATIONS TO SAFEGUARD WORKERS, ALL UNDERGROUND CONCRETE FEATURES SHALL HAVE A PROTECTIVE LAYER OF LIMESTONE BETWEEN THE

STRUCTURE AND THE SOLL OF PREVENT ERGISION. THE LANDSCAPE PLAN HAS BEEN DEVELOPED WITH DROUGHT TOLERANT PLANTS, ALL SLOPES ARE EQUAL ALSS THAN THE MASKAUN ALLOWED. ALL EMPANAMENTS TO BE GRADED AND STANDLED.

DISTURBED AREAS IN WHICH WORK CEASES FOR A PERIOD OF 4 DAYS SHALL BE STABILIZED. THE DISTURBED AREAS SHALL BE STABILIZED. THE DISTURBED AREAS SHALL BE STABILIZED IN A TIMELY MANNER TO LIMIT ERGISION. THE CONTRACTOR SHALL PREPARE A DEWALTENING PLAN TO

ADDRESS ANY POTENTIAL HIGH WATER TABLE CONCERNS AND KEEP ANY POTENTIAL WETLANDS ON SITE WE

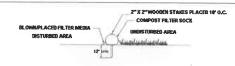
AND EASY POTENTIAL HIGH WATER TABLE CONCERNS AND KEEP ANY POTENTIAL SUSSESSAY FOR ANY POTENTIAL WETLANDS ON SITE WAS AND POTENTIAL WETLANDS ON SITE OF A POTENTIAL WETLANDS ON SITE WAS AND POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH AND ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH ANY POTENTIAL WETLANDS ON SITE WITH ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF ADDRESS AND AND ANY POTENTIAL WETLANDS ON SITE WITH ANY POTENTIAL WETLANDS ON SITE WITH ANY POTENTIAL WETLANDS ON SITE WITH A PROPERTY OF A

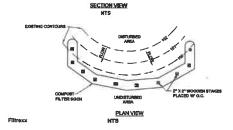
11/4/19 CCCD Comments REV. DATE DESCRIPTION 1/16/20 ISSUE PROJECT NO EBG.E000140.EB21 SCALE AS SHOWN DRAWN BY CHECKED BY GLE

© CDI Infrastructure, LLC dba L.R. Kimball

SHEET TITLE

CONTACT 2 NOTES **E& S CONTROL PLAN** 





Sock fabric shall meet standards of Table 4.1. Compost shall meet the standards of Table 4.2.

Compost filter sock shall be placed at existing level grade. Both ends of the sock shall be extended at least 3 feet up slope at 45 degrees to the main sock alignment (Figure 4.1). Maximum slope length above any sock shall not exceed that shown on Figure 4.2. Stakes may be installed immediately downslope of the sock if so specified by the manufacturer.

Traffic shall not be permitted to cross filter socks.

Accumulated sediment shall be removed when it reaches half the aboveground height of the sock and disposed in the manner described elsewhere in the plan.

Socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection.

Biodegradable filter socks shall be replaced after 6 months; photodegradable socks after 1 year. Polypropylene socks shall be replaced according to manufacturer's recommendations.

Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the much spread as a soil supplement.

BARRIER NO.	LOCATION	SOCK SIZE (IN)	SLOPE (%)	SLOPE LENGTH ABOVE BARRIEF (FT)		
SB1	HORNER AT WEST	12	1	125		
SB2	HORNER AT WEST	12	1	125		
583	HORNER AT SPRUCE	12	1	150		
SB4	HORNER AT SPRUCE	12	1	150		
SB5	HORNER AT SPRUCE	12	1	200		
SB6	HORNER AT SPRUCE	12	1	30		
SB7	HORNER AT MARIAN	12	4	260		
SB8	HORNER AT MARIAN	12	4	260		
SB9	HORNER AT MARIAN	12	2	260		
SB10	HORNER AT MARIAN	12	2	260		
SB11	HORNER AT MARIAN	12	1	20		
SB12	HÖRNER AT BEECH	12	1	200		
SB13	HORNER AT BEECH	12	2	160		
SB14	HORNER AT BEECH	12	2	160		
SB15	HORNER AT JULIAN	12	1	125		
SB16	HORNER AT JULIAN	12	1	125		
SB17	HORNER AT CHERRY	12	2	280		
SB18	HORNER AT CHERRY	12	2	280		
SB19	HORNER AT CENTER	12	-3	270		
SB20	HORNER AT CENTER	12	3	270		
SB21	CRAWFORD AT WEST	12	2	60		
SB22	CRAWFORD AT WEST	12	2	60		
SB23	CRAWFORD AT SPRUCE	12	4	225		
SB24	CRAWFORD AT SPRUCE	12	4	225		
SB25	CRAWFORD AT MARIAN	12	4	280		
	CRAWFORD AT MARIAN	12	4	280		
	CRAWFORD AT MARIAN	12	4	280		
	CRAWFORD AT MARIAN	12	4	280		
	CRAWFORD AT BEECH	12	2	270		
	CRAWFORD AT BEECH	12	2	270		
	SAMPLE AT WEST	12	2	60		
	SAMPLE AT WEST ·	12	2	60		
	SAMPLE AT SPRUCE	12	3	220		
	SAMPLE AT SPRUCE	12	3	220		
	SAMPLE AT MARIAN	12	2.5	280		
	SAMPLE AT MARIAN	12	2.5	280		
	SAMPLE AT MARIAN	12	4	270		
	SAMPLE AT MARIAN	12	4	270		
	SAMPLE ABOVE BEECH	12	2	150		

### ↑ COMPOST FILTER SOCK DETAIL SCALE NIS

2'X2'X36" WOOD
STAKES PLACED 5'
OC

MAXIMUM DEPTH OF CONCRETE WASHOUT WATER IS 50% OF FILTER RING HEIGHT

SECTION MEW

SECTION MEW

24" DIAMETER COMPOST FILTER SOCK 4" MIN OVERLAP ON UPSLOPE SIDE OF FILTER RING

DIRECT CONCRETE WASHOUT WATER INTO FILTER RING

DIRECT CONCRETE WASHOUT WATER INTO FILTER RING

NOTES:

SURPLUS CONCRETE SHALL BE RETURNED TO SUPPLIERS SITE OR CONTRACTOR SHALL MAINTAIN CONCRETE WASHOUT FACILITIES AT THEIR LAYDOWN YARD.

INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.

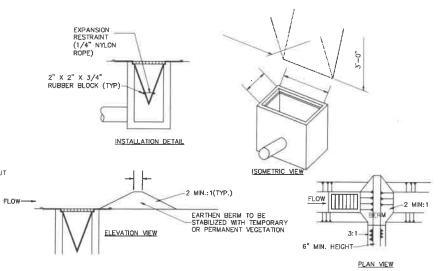
18" DIAMETER FILTER SOCK MAY BE STACKED ONTO 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS.

CONCRETE WASHOUT DETAIL

SEEDING TABLE

SEED TYPE	DESCRIPTION, FORMULA, SPECIES	% BY WEIGHT	MINIMUM %		MAX %		FERTILIZER RATE: LIME		LIME	MULCH
9000 1110			PURITY	GERMINATION	WEED SEED	SEEDING RATE:	BASIC		RATE: TONS/AC	DATE.
TYPE 1	PENNDOT FORMULA B "PERENNIAL RYEGRASSMIXTURE "CREEPING RED FESCUE "KENTUCKY BLUEGRASS MIXTURE	20 30 50	98 98 98	90 85 80	0.15 0.15 0.20	0.44 0.67 1.2 2.3 USS./1000 S	10-20-20 F.	40	6	3 TON/ACRE
TYPE 3 TEMPORARY SEEDING	ANNUAL RYEGRASS	100	98	90	0.15	TOTAL = 1.1 LBS./1000 S.F.	10-20-20		6	3 TON/ACRE



MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION IS NOT REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

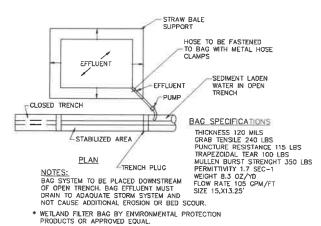
ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED.
ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM
HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR TRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

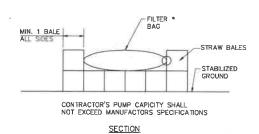
INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS

## FILTER BAG INLET PROTECTION CHANNEL OR ROADSIDE SWALE DETAIL



FILTER BAG FACILITY DETAIL



FILTER BAG FACILITY DETAIL



615 West Highland Ave. Ebensburg, Pa. 15931

phone (814) 472-7700 fax (814) 472-7712 web site www.lrkimball.com

CONSULTANTS:

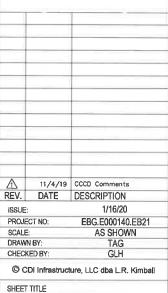
PROJECT NAME:

## BOROUGH OF EBENSBURG CURB AND SIDEWALK REPLACEMENT

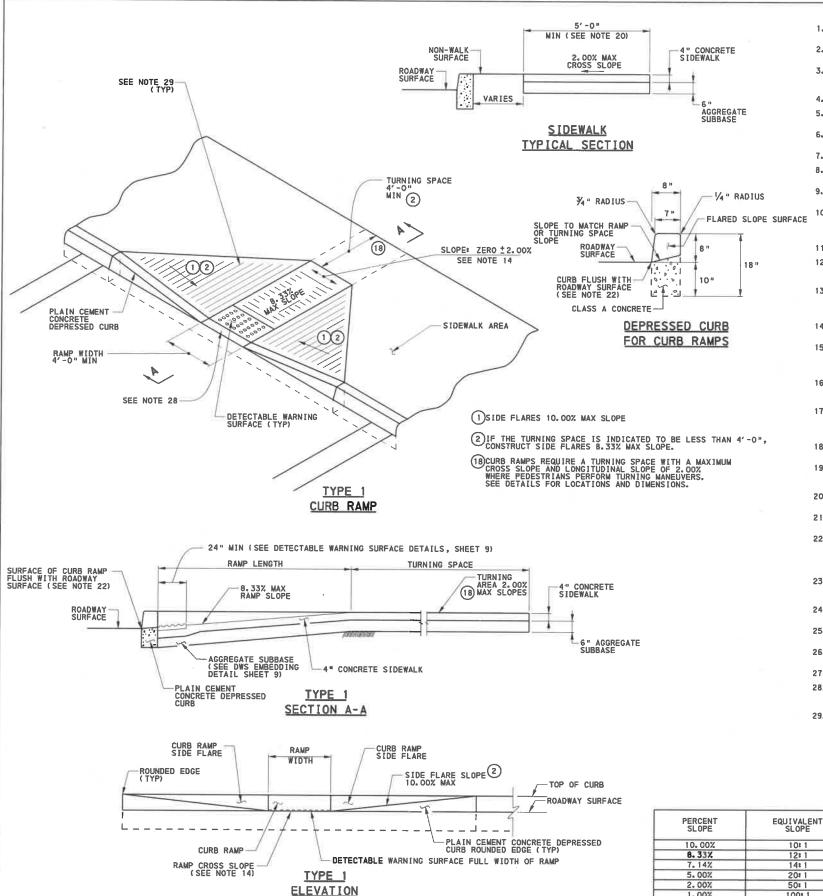
BOROUGH OF EBENSBURG CAMBRIA COUNTY, STATE

BOROUGH OF EBENSBURG

300 WEST HIGH STREET EBENSBURG, PA 15931



CONTRACT 2
DETAILS
E & S CONTROL PLAN



- PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTIONS 350, 409, 630, 676, 694, AND 695.
- 2. PROVIDE EXPANSION JOINT MATERIAL 1/2 " THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
- CONSTRUCT CURB RAMPS WITH A MINIMUM 4'-0" X 4'-0" CLEAR SPACE BEYOND THE CURB FACE, WITHIN THE WIDTH OF THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE, SEE SHEET 7 FOR CROSSWALK DETAILS.
- 4. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
- PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING SIDE FLARES.
- MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB HEIGHTS WHERE THE CURB IS LESS THAN THE STANDARD 8" HEIGHT.
- 7. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE.
- TO AVOID CHASING GRADE INDEFINITELY WHEN TRAVERSING THE HEIGHT OF CURB, RAMP LENGTH NOT TO EXCEED 15'-0". ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE.
- NON-WALK AREA IS AN OBSTRUCTED OR GRASS/NON-PAVED AREA ADJACENT TO THE PEDESTRIAN ACCESS ROUTE THAT IS NOT USED BY THE PEDESTRIAN FOR ACCESS.
- THE DETAILS DEPICT PEDESTRIAN PUSHBUTTON POLES TO ILLUSTRATE THE RECOMMENDED PLACEMENT OF PEDESTRIAN PUSHBUTTONS. FOR ALTERATION PROJECTS, PROVIDE ACCESS TO EXISTING PEDESTRIAN PUSHBUTTONS TO THE MAXIMUM EXTENT FEASIBLE. INSTALL PEDESTRIAN PUSHBUTTON STUB POLES, WHERE APPLICABLE, SO AS NOT TO CREATE PEDESTRIAN OBSTRUCTIONS.
- 11. SEE TC-8803 FOR ADDITIONAL PEDESTRIAN PUSHBUTTON DETAILS NOT SHOWN.
- 12. ALIGN DETECTABLE WARNING SURFACE TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB. SEE SHEET 9 FOR INSTALLATIONS ALONG CURVED SURFACES.
- 13. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
- 14. FOR NEW CONSTRUCTION, DO NOT EXCEED 2.00% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESS ROUTE.
- 15. FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE. THE SLOPES INDICATED IN THE DETAILS SHOW THE MAX SLOPE ALLOWABLE. SLOPES THAT EXCEED THOSE INDICATED IN THE DETAILS, OR CONTRACT DOCUMENTS AS APPLICABLE, WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED.
- 16. CONSTRUCT SIDEWALKS AT A LONGITUDINAL SLOPE NOT TO EXCEED 5.00%. FOR ROADWAY PROFILE SLOPES THAT EXCEED 5.00%, CONSTRUCT PARALLEL SIDEWALKS ADJACENT TO ROADWAY AT A LONGITUDINAL SLOPE NOT TO EXCEED ROADWAY PROFILE SLOPE.
- 17. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 13.33%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, TURNING SPACE OR BLENDED TRANSITION IS NOT TO EXCEED 5.00%. SEE SHEET 8 FOR
- 18. THE CONSTRUCTION STANDARDS DEPICTED ARE MOST APPROPRIATE FOR NEW CONSTRUCTION. ALL CONSTRUCTION MUST MEET THE STANDARDS CONTAINED HEREIN UNLESS OTHERWISE NOTED OR DIRECTED.
- ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDANT ON THE HEIGHT OF CURB. (FOR EXAMPLE, A 6" CURB DOES NOT NECESSARILY MEAN A RAMP LENGTH OF 6'-0" FOR A 12:1 SLOPE.
- 20. SIDEWALK WIDTH MAY BE REDUCED TO 4'-0", WHEN PASSING AREAS 5'-0" X 5'-0" ARE PROVIDED EVERY
- 21. THE TRAVEL LANE IS DEFINED BY THE OUTSIDE EDGE OF THE WHITE PAVEMENT MARKING LINE. IF A WHITE PAVEMENT MARKING LINE DOES NOT EXIST, THE TRAVEL LANE IS DEFINED BY THE CONTRACT DOCUMENTS.
- CONSTRUCT DEPRESSED CURB FOR CURB RAMPS FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATIONS AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. FOR LEVEL TURNING SPACES BEHIND DEPRESSED CURB, ADJUST SLOPES TO PROVIDE POSITIVE DRAINAGE. AT THE JOINT BETWEEN DEPRESSED CURB AND ROADWAYS, REMOVE EXCESS JOINT SEALER AND COVER THE SEALED AREA WITH A LIGHT APPLICATION OF DRY SAND.
- 23. CHEEK WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED BY FLARES OR GRADING. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3: 1 OR FLATTER. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN PATH.
- 24. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALKS, FLARES).
- 25. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES. SEE SHEET 7 FOR DETAILS.
- 26. A 4'-0" MAXIMUM DIGITAL DISPLAY LEVEL WILL BE USED TO VERIFY THE SLOPES OF CURB RAMPS AND SIDEWALKS.
- 27. INSTALL DUMMY JOINTS WHERE RAMPS, TURNING SPACES, FLARES, AND SIDEWALKS ABUT.
- 28. CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE AND HAVE A FLUSH CONNECTION.
  TRANSITION CURB RAMP CROSS SLOPE TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3.00% PER 17-0" CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
- 29. DO NOT SCORE OR MAKE GROOVES ON SLOPED SURFACES. LINES SHOWN ON DETAILS ARE FOR ILLUSTRATION ONLY. SEE NOTE 5.

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PROJECT DELIVERY

CURB RAMPS AND SIDEWALKS NEW CONSTRUCTION OR ALTERATION DETAILS TYPE 1 CURB RAMPS AND TYPICAL SECTIONS

RECOMMENDED JUN. 10, 2013

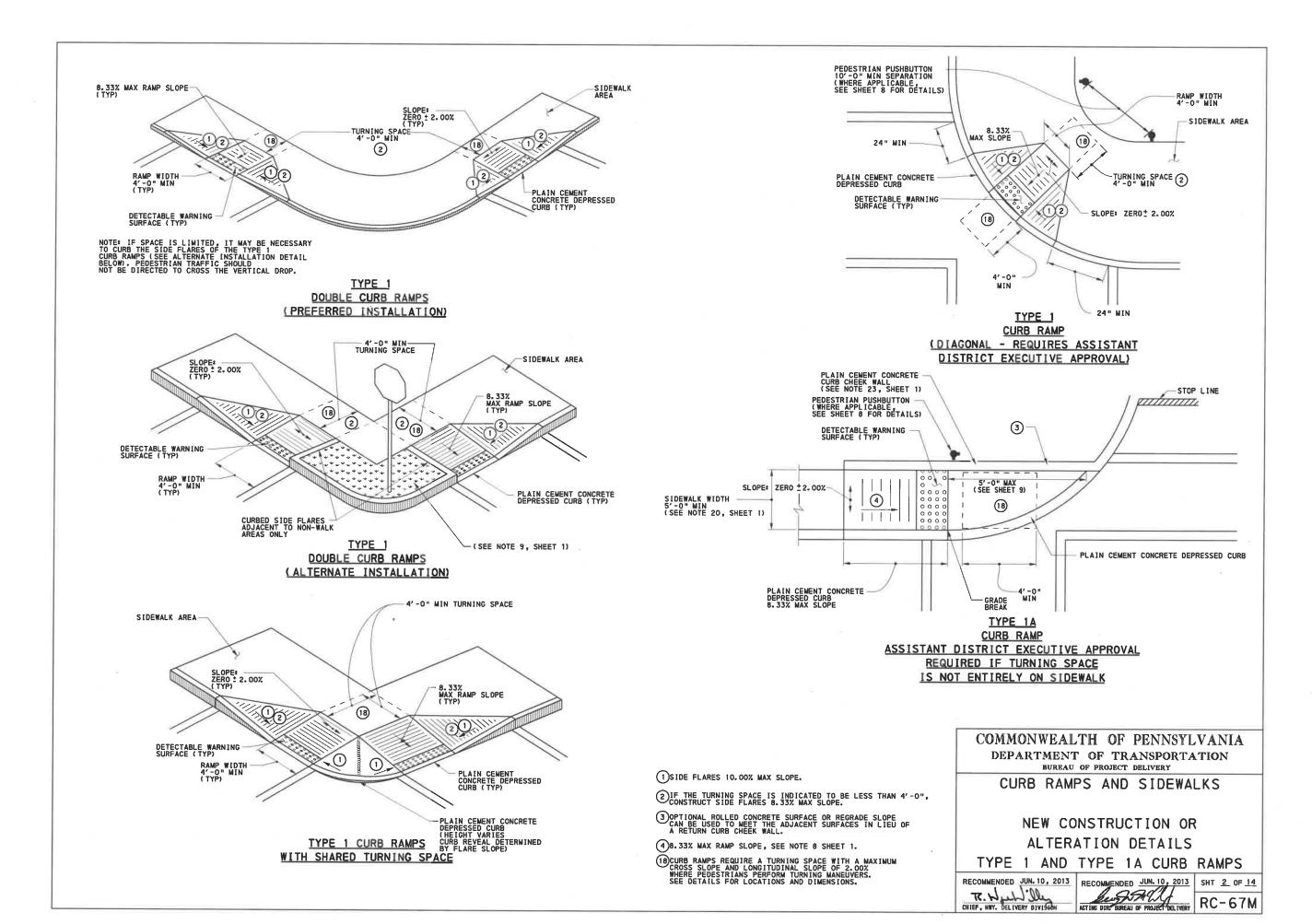
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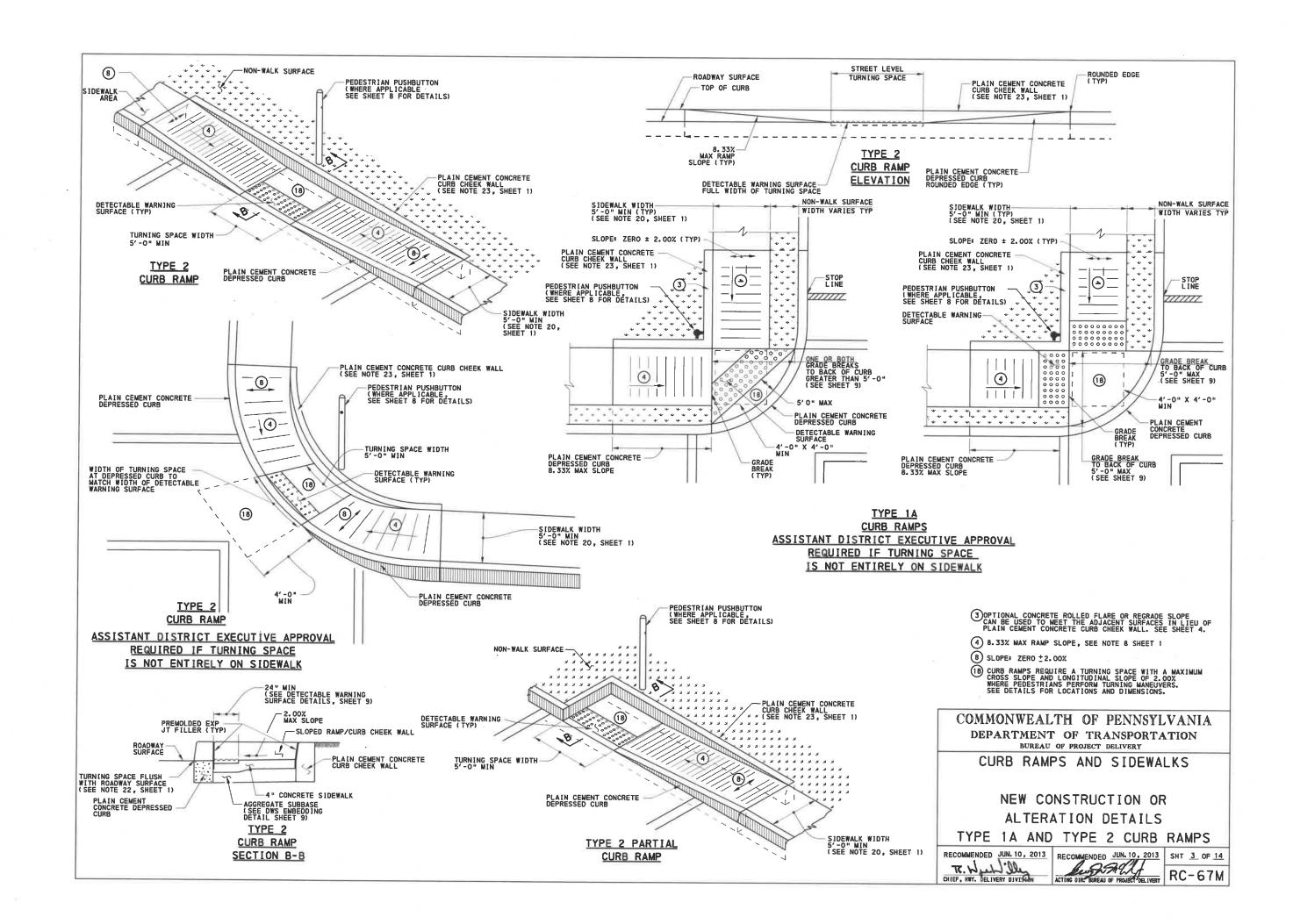
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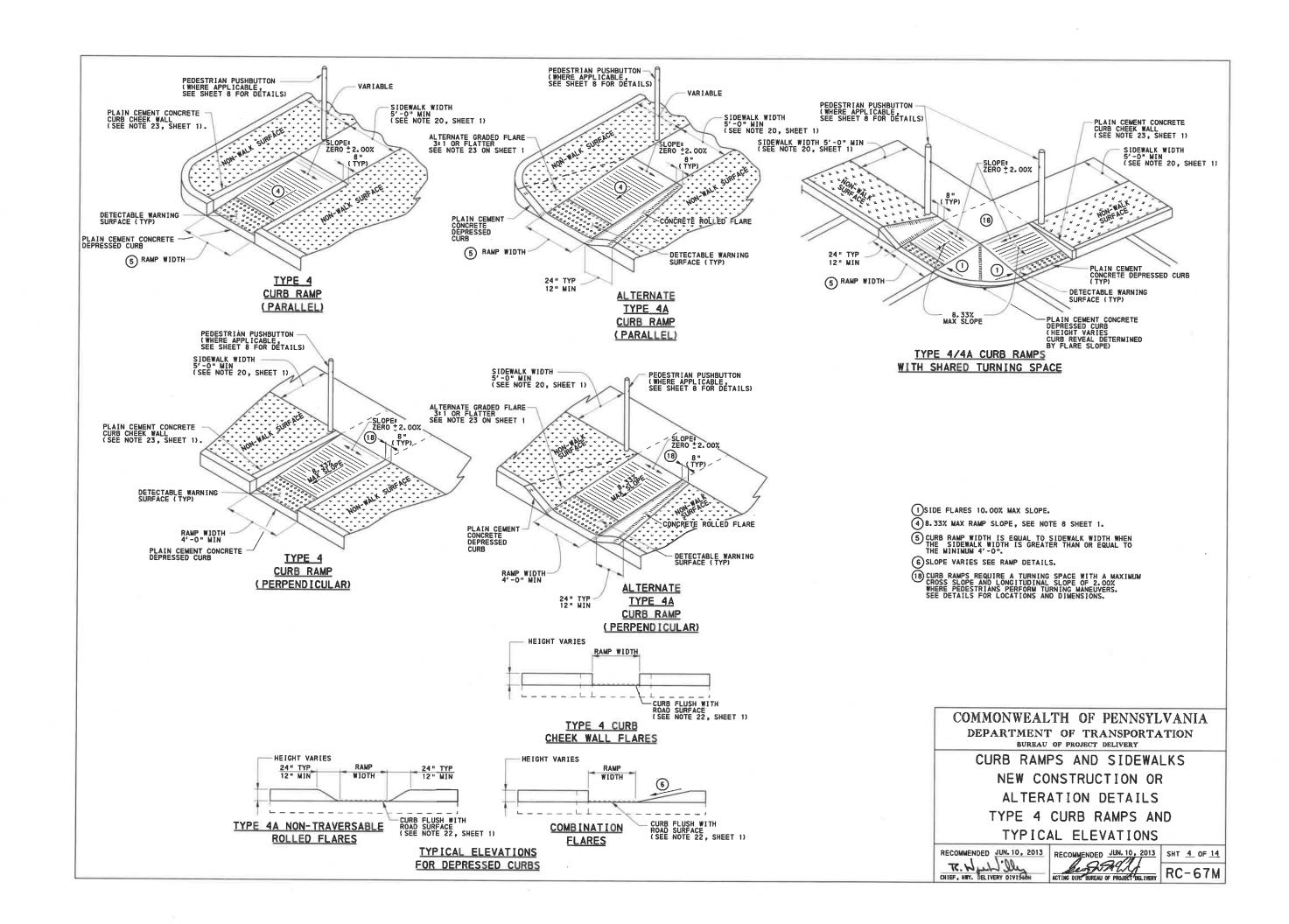
**EQUIVALENT SLOPES** 

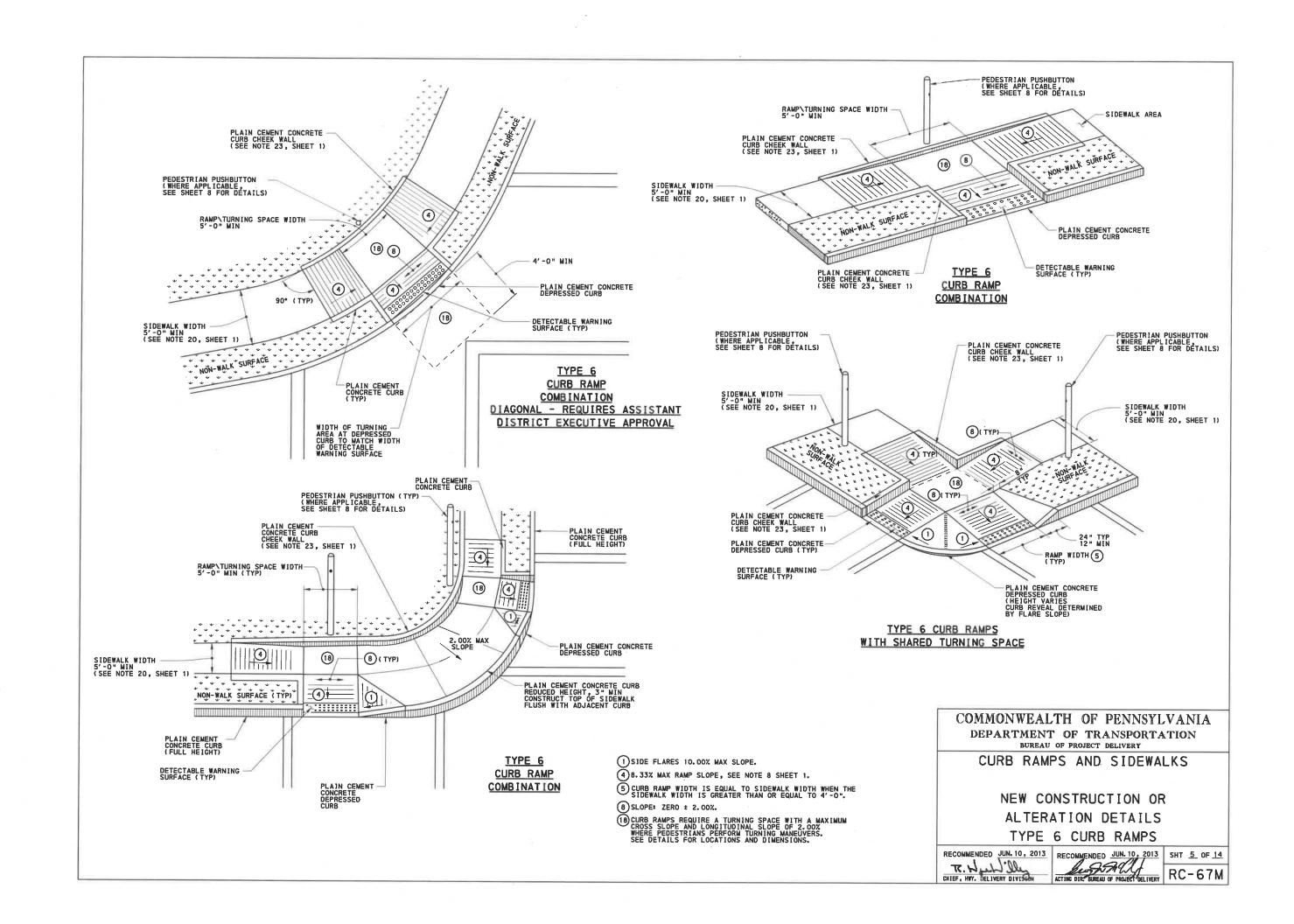
RECOMMENDED JUN. 10, 2013 SHT 1 OF 14

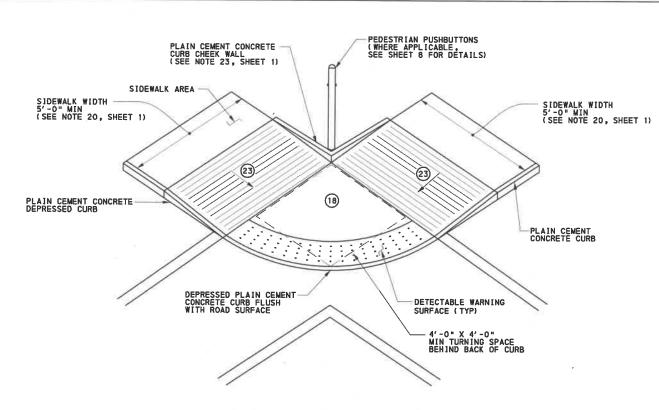
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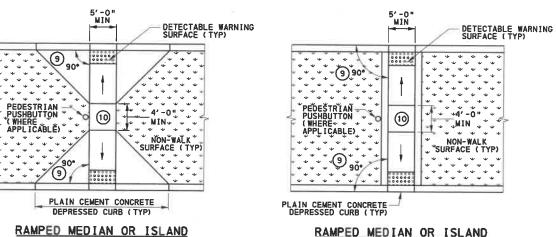






NOTE: DO NOT INSTALL GRATINGS, ACCESS COVERS AND OTHER APPURTENANCES ON THE BLENDED TRANSITION SURFACE WITHIN THE PEDESTRIAN ACCESS ROUTE. EXISTING UTILITY COVERS IN THE PATH OF TRAVEL ARE ACCEPTABLE IF THE TOP SURFACE IS FLUSH (LESS THAN /4 " IN ELEVATION DIFFERENCE), FIRM, STABLE AND SLIP RESISTANT. INLET GRATES MUST HAVE OPENINGS NO GREATER THAN /2 " IN DIRECTION OF TRAVEL.

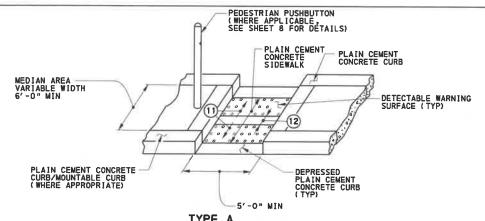
#### **BLENDED TRANSITION**



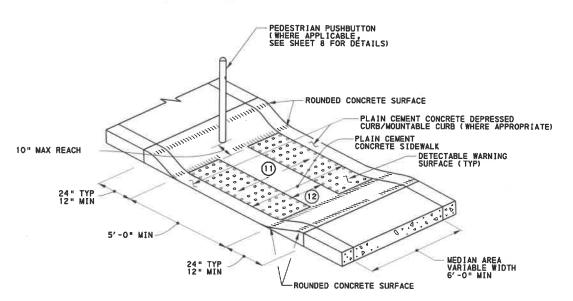
ACCESS OPENING

(TYPE 1 DOUBLE CURB RAMPS)

RAMPED MEDIAN OR ISLAND ACCESS OPENING (TYPE A DOUBLE CURB RAMPS)



TYPE A TYPICAL MEDIAN OR ISLAND ACCESS OPENING WITH CURB SIDES (NARROW MEDIANS)



TYPE B TYPICAL MEDIAN OR ISLAND ACCESS OPENING WITH FLARED SIDES (NARROW MEDIANS)

- 9 90° DESIRABLE.
- TURNING SPACES ARE NOT REQUIRED FOR LONGITUDINAL SLOPES 5.00% OR LESS.
- 1) PROVIDE ADEQUATE SLOPE FOR DRAINAGE (5.00% MAX).
- (12) 2'-0" MIN SEPARATION. DO NOT INSTALL DETECTABLE WARNING SURFACES IF SEPARATION IS LESS THAN 2'-0". REFER TO DM-2 CHAPTER 6 FOR ADDITIONAL DETAILS.
- (B) CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.
- (23) 5.00% MAX RUNNING SLOPE FOR BLENDED TRANSITION. FOR SLOPES GREATER THAN 5.00% SEE TYPE 2 CURB RAMPS ON SHEET 3 FOR ADDITIONAL DETAILS.

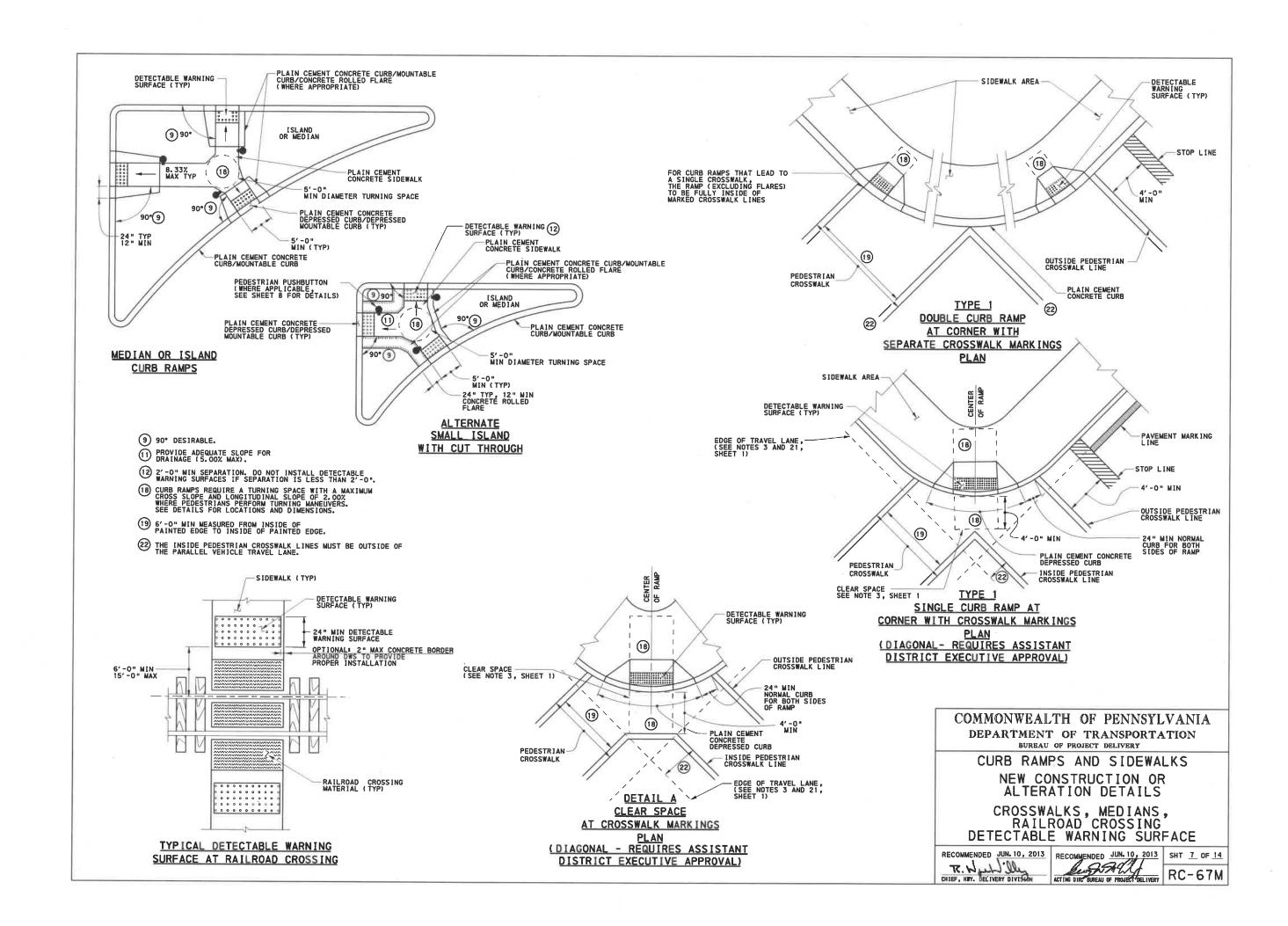
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PROJECT DELIVERY

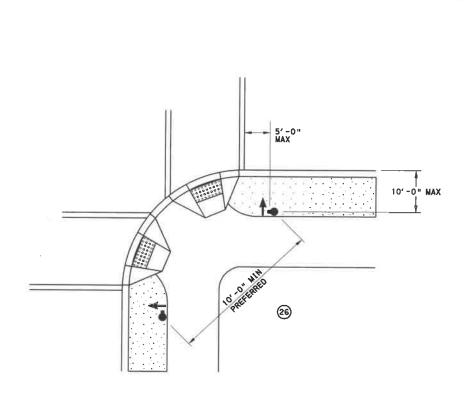
CURB RAMPS AND SIDEWALKS

NEW CONSTRUCTION OR ALTERATION DETAILS BLENDED TRANSITION / MEDIANS

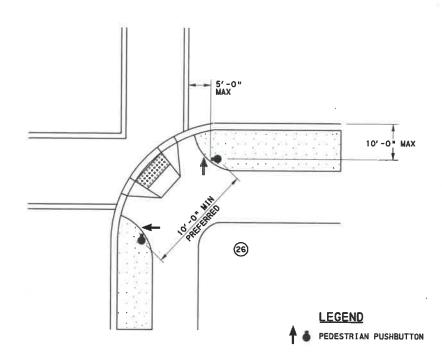
RECOMMENDED JUN. 10, 2013 RECOMMENDED JUN. 10, 2013 SHT 6 OF 14

CHIEF, HEY, DELIVERY DIVISION ACTING DIR BUREAU OF PROJECT DELIVERY RC-67M

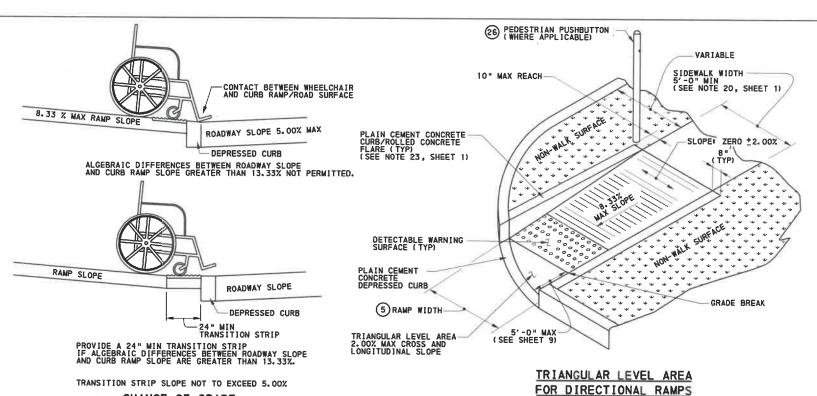




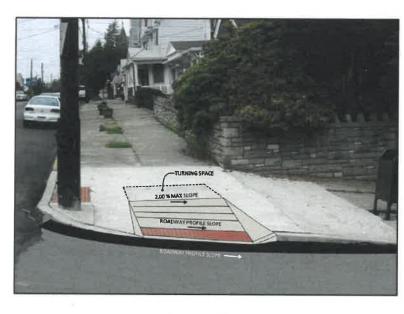
#### RECOMMENDED PUSHBUTTON LOCATIONS



RECOMMENDED PUSHBUTTON LOCATIONS



#### CHANGE OF GRADE LIMITATIONS



## RAMP CROSS SLOPE TRANSITION TO MATCH ROADWAY PROFILE SLOPE \* SLOPES SHOWN ARE FOR ILLUSTRATION ONLY.

TRANSITION CURB RAMP CROSS SLOPE TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE, DO NOT EXCEED 3.00 Z PER 1'-0" CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.

COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE OR USE 1'-0" DETECTABLE WARNING SURFACE TILES.

CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE.

- PROVIDE A LEVEL TRIANGULAR AREA WHEN DIRECTIONAL RAMPS ARE INSTALLED ON A CURB RETURN TO TRANSITION THE GRADE BREAK.
- 5 CURB RAMP WIDTH IS EQUAL TO SIDEWALK WIDTH WHEN THE SIDEWALK WIDTH IS GREATER THAN OR EQUAL TO 4'-O".
- (26) NEW CONSTRUCTION MUST COMPLY WITH RECOMMENDED LOCATIONS. FOR ALTERATION PROJECTS LOCATE PEDESTRIAN PUSHBUTTONS, TO THE MAXIMUM EXTENT FEASIBLE, AS FOLLOWS

ON CURB RETURNS

- ADJACENT TO A LEVEL NON-SLIP SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS A NON-SLIP WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
- WITHIN 5'-0" OF THE CROSSWALK EXTENDED.
- BETWEEN 1'-6" AND 10'-0" OF THE EDGE OF CURB, SHOULDER OR PAVEMENT.
- PARALLEL TO THE CROSSWALK TO BE USED.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF PROJECT DELIVERY

CURB RAMPS AND SIDEWALKS

NEW CONSTRUCTION OR

ALTERATION DETAILS

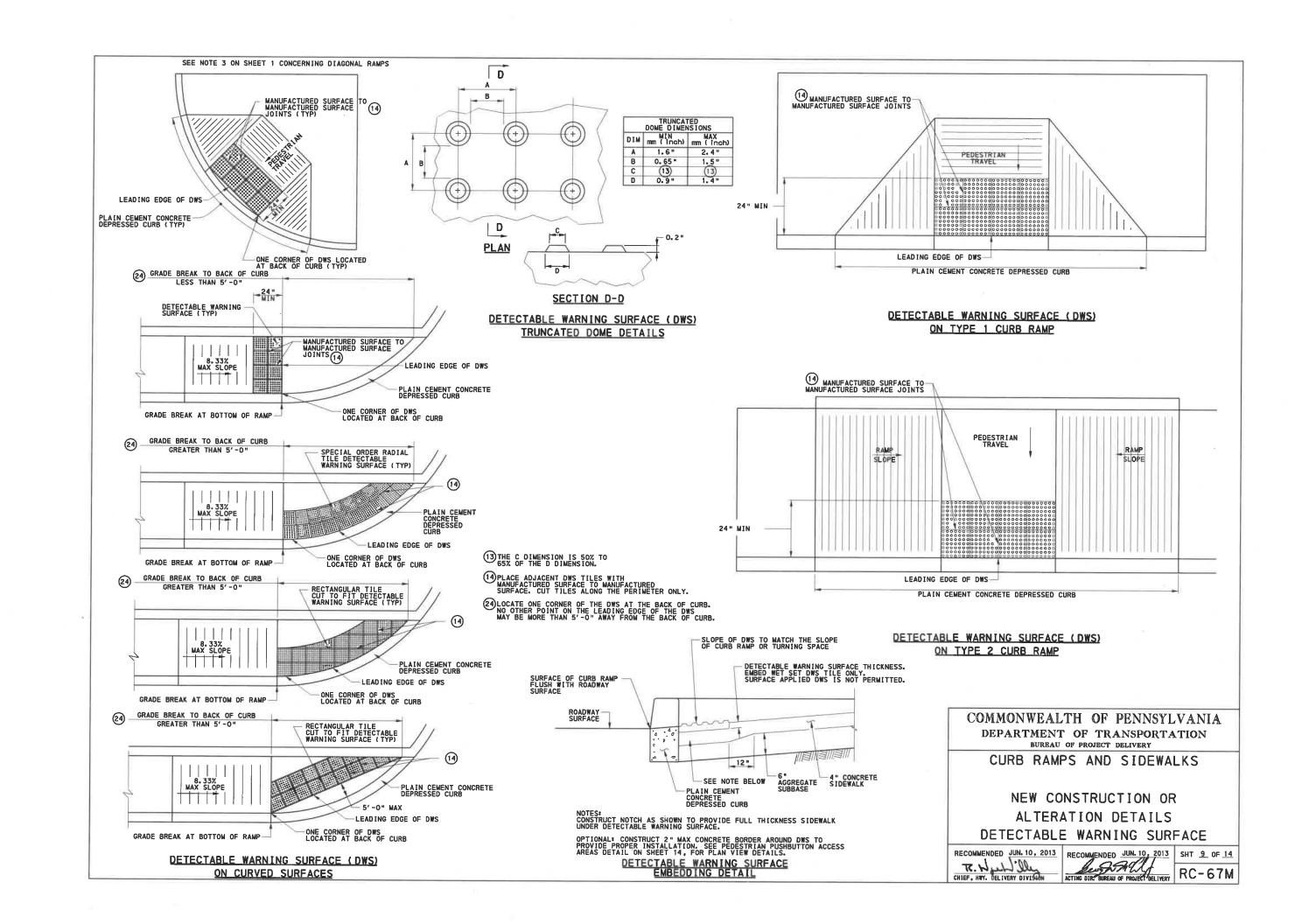
PUSHBUTTONS, TRIANGULAR LEVEL

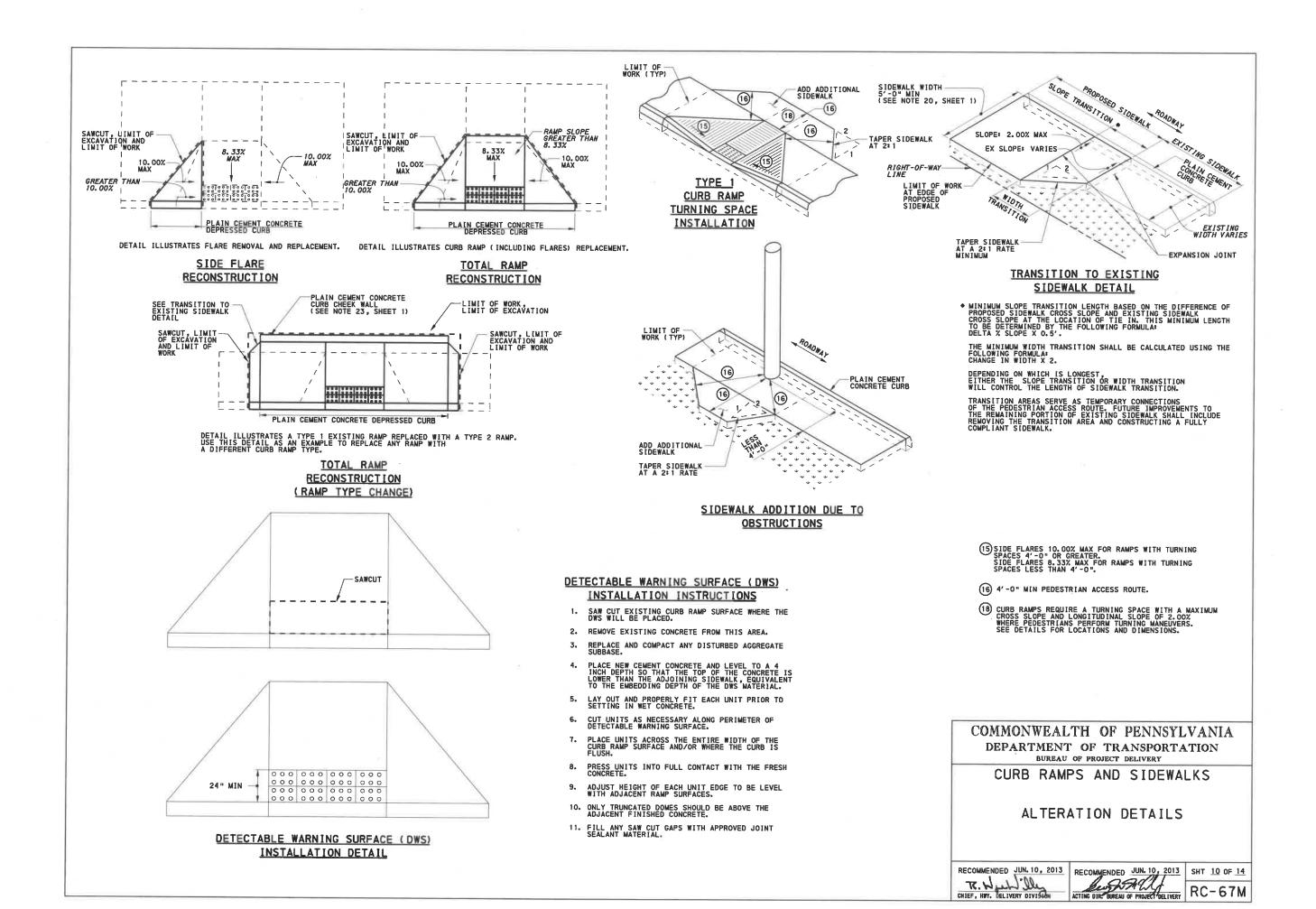
AREA, CHANGE OF GRADE AND CROSS

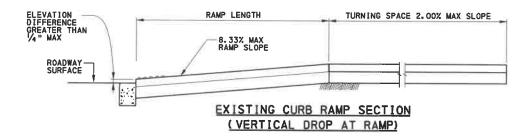
SLOPE TRANSITIONS

RECOMMENDED JUN. 10, 2013 SHT 8 OF 14

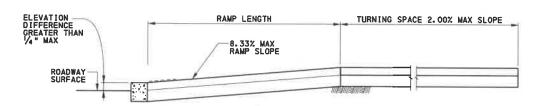
ACTING DIR BUREAU OF PROJECT DELIVERY RC-67M







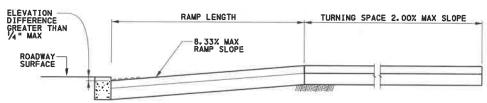
RECOMMENDED CORRECTION:
RECONSTRUCT THE ENTIRE (OR PORTIONS OF) RAMP, TURNING SPACES AND FLARES WHERE APPLICABLE (SEE RAMP RECONSTRUCTION DETAIL ON SHEET 10).



#### EXISTING CURB RAMP SECTION (VERTICAL DROP AT ROAD SURFACE)

RECOMMENDED CORRECTIONS RECONSTRUCT THE ENTIRE (OR PORTIONS OF) RAMP, TURNING SPACES AND FLARES WHERE APPLICABLE (SEE RAMP RECONSTRUCTION DETAIL ON SHEET 10).

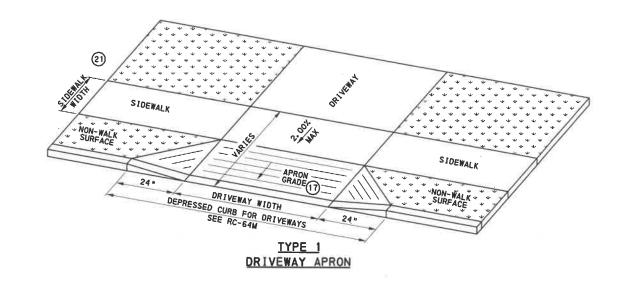
ALTERNATE CORRECTION:
GRIND CURB TO PROVIDE A MAX SLOPE OF 8.33%, FINISHED SURFACE MUST NOT HAVE ELEVATION
DIFFERENCES GREATER THAN 1/4".

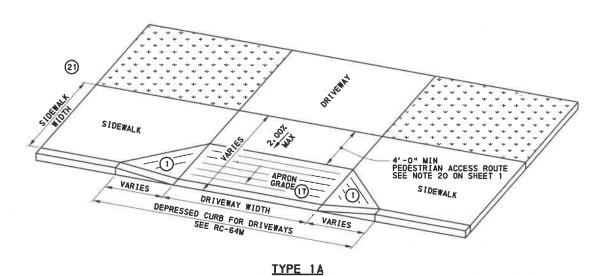


#### **EXISTING CURB RAMP SECTION** (RAMP SETTLEMENT)

RECOMMENDED CORRECTIONS RECONSTRUCT THE ENTIRE (OR PORTIONS OF) RAMP, TURNING SPACES AND FLARES WHERE APPLICABLE (SEE RAMP RECONSTRUCTION DETAIL ON SHEET 10).

ALTERATION DETAILS





DRIVEWAY APRON

- 1 SIDE FLARES 10.00% MAX SLOPE.
- 8.00% MAX CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY.
- (SEE NOTE 20, SHEET 1).

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PROJECT DELIVERY

CURB RAMPS AND SIDEWALKS

ALTERATION DETAILS AND DRIVEWAY APRONS

RECOMMENDED JUN. 10, 2013

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