RECONSTRUCT PARKING LOT, CONSTRUCT BREAK WATER, AND GREEN INFRASTRUCTURE AT NORTH POINT

NORTH POINT PARKING LOT

2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

Milwaukee County Dept. of Administrative Services FACILITIÉS MANAGEMENT DIVISION Architectural, Engineering & Environmental Services





Project #: P320-20141 Site #: 783 Building #: **1800** Date: 04/13/2021 **90% PLANS**

POINT OF CONTACT

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· · · · · · · · · · · · · · · · · · ·	GUY SMITH - PARKS DIRECTOR
DIRECTOR, AE&ES SECTION, DAS - FM :	
	GREG HIGH, P.E.
DAS - AE&ES UNIT HEAD :	
	KARL STAVE, P.E.
DAS - AE&ES PROJECT MANAGER :	0.45700 10.0050 0.5

INDEX OF DRAWINGS (INCLUDED IN 50% PLAN SET)

T100 PROJECT COVER SHEET

SITE & CIVIL

C001 GENERAL NOTES PHASING, STAGING, TRAFFIC CONTROL, DETOUR PLAN C101-102 C103-105 TYPICAL SECTIONS CONSTRUCTION DETAILS C201-212 EXISTING CONDITION PLAN C301 C401 SOIL BORING PLAN CD101 **DEMOLITION PLAN EROSION CONTROL PLAN** CE101-106 CG101 GRADING PLAN CS100-102 SITE PLAN GREEN IFRASTRUCTURE PLAN CS200-201 CU101-105 UTILITY PLAN

ELECTRICAL

CU201-208

CU301-303

ELECTRICAL LEGEND, ABBREVIATIONS, AND NOTES E001 EP101

WATERMAIN PLAN AND PROFILE

STORM SEWER PLAN AND PROFILE

PHOTOMETRIC PLAN

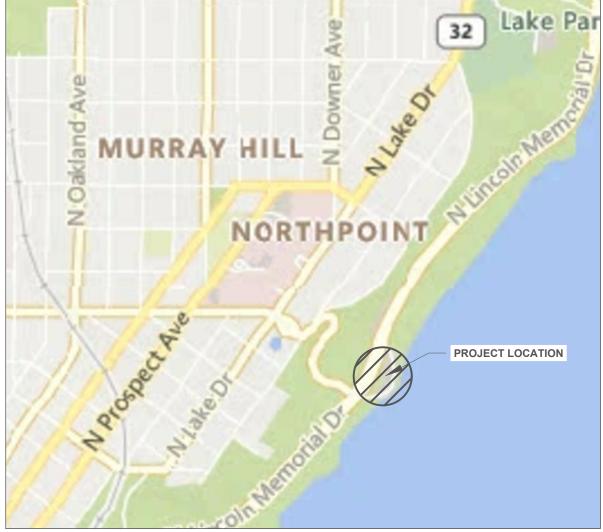
LANDSCAPE

LANDSCAPE AND RESTORATION PLAN LS101 LS501 LANDSCAPE DETAILS

CIVIL/SITE SECTION VIEWS

COASTAL ENGINEERING

REVETMENT PLAN VIEW REVETMENT SECTION VIEW RV102 CIVIL/SITE SECTION VIEWS



PROJECT LOCATION MAP

- CURB AND GUTTER JOINT SPACING SHALL BE BETWEEN 6 FEET AND APPROXIMATELY 20 FEET, OR AS ENGINEER DIRECTS
- 4. FERTILIZE, SEED AND MULCH ALL TOPSOILED AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED.
- CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL
- 6. CONCRETE CURB & GUTTER GRADES ARE TO THE FLANGE. UNLESS OTHERWISE NOTED.
- CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL
- NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
- CONTRACTOR SHALL GRUB TREES, SHRUBS AND BUSHES WITHIN SLOPE LIMITS AS DIRECTED AND APPROVED BY THE ENGINEER.
- 10. SET CATCH BASIN CASTINGS 1/2-INCH BELOW FINISHED GRADE WITH SMOOTH TROWELED EDGES.
- 11. EXISTING SIGNS AFFECTED BY CONSTRUCTION SHALL BE PROTECTED OR RELOCATED AS DIRECTED BY THE ENGINEER.
- 12. CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS.
- 13. SAWCUT LIMITS OF REMOVAL OF EXISTING PAVEMENT
- 14. DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS AND APPLICABLE SPECIAL PROVISIONS, CONTRACTOR SHALL UNCOVER AND CHECK ELEVATION OF EXISTING UTILITIES WHERE CROSSED BY NEW STORM SEWER. ALTERATION OF LITH ITY OR REVISION OF SEWER FLEVATION MAY BE NECESSARY
- 15. EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION. THE LOCATION FOR FRS WILL BE DETERMINED BY THE ENGINEER
- 16. THE LOCATION OF EXISTING, ABANDONED AND PROPOSED UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL UTILITIES LOCATED BEFORE EXCAVATION.
- 17. CONTRACTOR TO SALVAGE EXISTING SIGNS AND INSTALL NEW SIGNS AS SHOWN. CLEARANCE TO THE BOTTOM OF SIGNS SHALL BE 7 FEET. WHEN TWO SIGNS ARE MOUNTED ON A SINGLE POST, THE BOTTOM OF SIGN SHALL BE 5 FEET MEASURED FROM THE BOTTOM OF THE SIGN. WHEN THREE SIGNS ARE MOUNTED ON A SINGLE POST. THE BOTTOM SIGN SHALL BE 4 FEET MEASURED FROM THE BOTTOM OF THE SIGN. MOUNT ALL NO PARKING SIGNS AT 45° ANGLE TO PARKWAY. SALVAGED SIGNS SHALL BE DELIVERED TO PARKS MAINTENANCE AT 1150 N. 68TH
- 18. HMA PAVEMENT SHALL BE VARY DEPENDENT ON LOCATION.

18.1. STANDARD DUTY: 2-INCH LT / 2-INCH LT / 9-INCH 1 1-INCH BASE AGGREGATE DENSE

2-INCH LT / 3.5-INCH LT / 12-INCH 1 ½-INCH BASE AGGREGATE DENSE.

- 19. WHEN QUANTITY OF THE ITEMS OF LOWER OR UPPER LAYER OF ASPHALT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER
- 20. EXISTING GROUND SURVEY COMPLETED BY MILWAUKEE COUNTY.
- 21. HORIZONTAL DATUM: WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (2011). IN US SURVEY FEET, GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES.
- VERTICAL DATUM: ELEVATION SHOWN ON THE PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 (12); GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

PROJECT MILESTONES

THE NORTH POINT PARKING LOT SHALL BEGIN CONSTRUCTION BY xx/xx/21 (OR EARLIER IF POSSIBLE), AND SHALL BE SUBSTANTIALLY COMPLETED BY 10/xx/21. LANDSCAPING SHALL BE SUBSTANTIALLY COMPLETED BY xx/xx/21 FOR THE ENTIRE PROJECT. EROSION CONTROL MEASURES SHALL BE IN PLACE DURING THE ENTIRE CONSTRUCTION PROJECT, REFER TO EROSION CONTROL PLAN. CONTRACTOR SHALL MAINTAIN EXISTING LIGHTING OR PROVIDE TEMPORARY LIGHTING UNTIL THE PERMANENT LIGHT POLES ARE INSTALLED.

WORK RESTRICTIONS

- 1. CONTRACTOR SHALL PROVIDE ACCEPTABLE ACCOMMODATIONS AND ACCESSIBILITY TO NORTH POINT PARKING LOT TO AND DURING SPECIAL EVENTS AT NORTH POINT PARKING LOT. PROVIDE ACCESS TO MILWAUKEE COUNTY PARKS STAFF AND EQUIPMENT. WEEKEND WORK WILL BE ALLOWED AT THE NORTH POINT PARKING LOT WITH SOME EXCEPTIONS OF SPECIAL EVENTS.
- 2. CONTRACTOR SHALL NOT PERFORM WORK ON, NOR HAUL MATERIALS OF ANY KIND NEAR THE NORTH POINT PARKING LOT OR ADJACENT REVETMENT PROJECT DURING THE FOLLOWING SCHEDULED EVENTS:
- JULY 24 25 2021
- CONTRACTOR SHALL NOT PERFORM WORK ON, NOR HAUL MATERIALS OF ANY KIND NEAR THE NORTH POINT PARKING LOT OR ADJACENT REVETMENT PROJECT DURING THE FOLLOWING SCHEDULED EVENTS. THE PARKING LOT SHALL BE AT MINIMUM GRAVEL, GRADED SMOOTH AND ACCESSIBLE FOR THE FOLLOWING EVENTS:

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN



Call 811 3 Work Days Before You Dig or Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

> WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU FXCAVATE

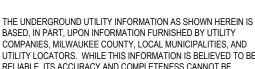
PARKS MAINTENANCE DIVISION

(414) 258-2322

PARKS MAINTENANCE WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST ALSO BE CONTACTED SEPARATELY AT LEAST 10 DAYS IN ADVANCE OF EXCAVATION

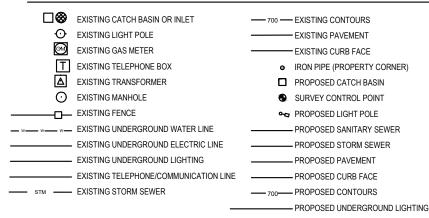
- THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREIN IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, MILWAUKEE COUNTY, LOCAL MUNICIPALITIES, AND UTILITY LOCATORS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
- (VERTICALLY AND HORIZONTALLY) PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE DISCUSSED WITH THE ENGINEER

NORTI



CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS

LEGEND



- PROPOSED FENCE CHAIN LINK BUTT JOINT EXISTING TREE/ BUSH LINE PROPOSED TREE/ BUSH LINE -: - EXISTING PROFILE PROPOSED PROFILE EXISTING CONIFEROUS TREE **EXISTING DECIDUOUS TREE** PROPOSED DECIDUOUS TREE TREE TO BE REMOVED W RIOFII TRATION POND AREA

HOR HORIZONTAL ASP ASPHALT HIGH POINT CABC CRUSHED AGGREGATE BASE COURSE I.E. INVERT ELEVATION CB CATCH BASIN LT LEFT C.I. CAST IRON CL CENTERLINE MAX MAXIMUM CMP CORRUGATED METAL PIPE MINIMUM CONC CONCRETE MANHOI F COND CONDUIT NORTHING DIAMETER PAVT PAVEMENT FI FCTRICAL PKG PARKING ELEV ELEVATION PKWY PARKWAY EX. EXISTING PROP PROPOSED EASTING PVC POLYVINYL CHLORIDE F TO F FACE TO FACE R RADIUS G GAS

RCP RD SAN LIGHTING CABLE/ CONDUIT STM ST STA TUG TYP VERT XW

RIGHT REINFORCED CONCRETE PIPE ROAD SANITARY SEWER STORM SEWER STREET STATION TELEPHONE UNDER GROUND TYPICAL UNDER DRAIN VERTICAL WATER **EXTRA** WOOD FENCE CHAINLINK FENCE

XC

04/13/2021 P320-20141 SITE NO: 783 BUILDING NO:

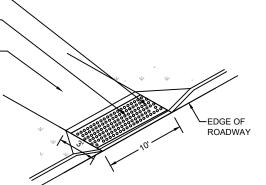
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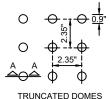
PARKING I DR. MILWAUKEE, V

POINT NEWORIN

GENERAL NOTES

3" HMA PAVEMENT SINGLE LAYER -ASPHALT MIX - 5 LT 58-28 S ON 6" BASE AGGREGATE DENSE, 1-1/4"

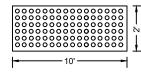




TRUNCATED DOMES PLAN VIEW 0.9" _1

TRUNCATED DOMES

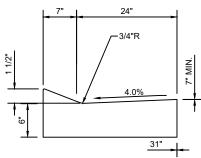
SECTION A-A

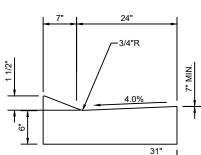


DETECTABLE WARNING FIELD (DWF) NOTE

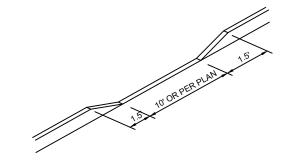
1) DWF'S SHALL BE INSTALLED IN ACCORDANCE WITH WISDOT STANDARD SPECIFICATIONS - CURB RAMP DETAILS AND

DETECTABLE WARNING FIELD DETAIL C002

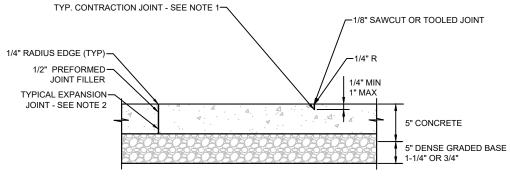




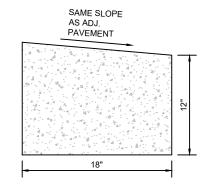
31" CURB & GUTTER MOUNTABLE/DRIVEWAY DETAIL C005



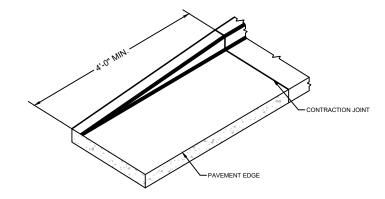
TYPICAL DEPRESSED CURB HEAD



- 1. CONTRACTION JOINTS TO BE SPACED 5'-0" O.C. MAXIMUM EACH DIRECTION.
- 2. EXPANSION JOINTS TO BE SPACED AT 50' MAXIMUM EACH DIRECTION AND WHERE SIDEWALK MEETS BUILDINGS, CURBS, AND EXISTING SIDEWALKS WHICH REMAIN IN PLACE.
- 3. LONGITUDIAL SLOPES TO MATCH PROPOSED GRADE, CROSS SLOPE OF NEW SIDEWALK SHALL BE 1.5%, MAX 2.0%.



18" CONCRETE RIBBON DETAIL C007



24"

2.0% OR SAME

SLOPE AS ADJ.

PAVEMENT

31" CURB & GUTTER LOW SIDE DETAIL C003

31"

31" CURB & GUTTER HIGH SIDE DETAIL C004

END SECTION CURB AND GUTTER DETAIL C008

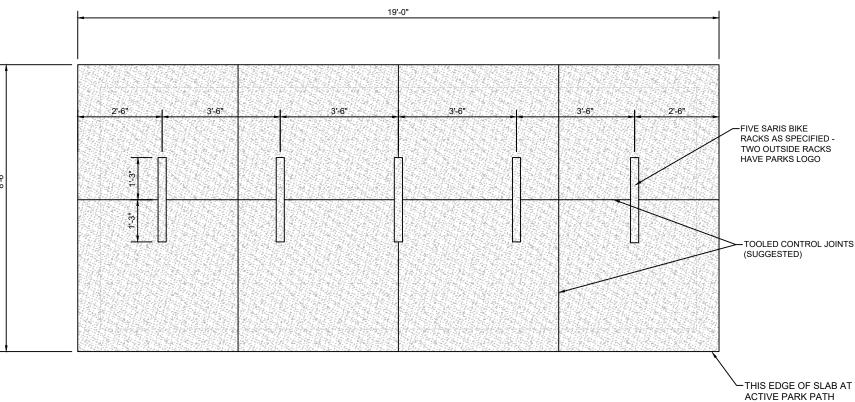
UNREINFORCED CONCRETE SIDEWALK DETAIL C006

CONSTRUCTION DETAILS | C201

783 BUILDING NO: 1800

2.375" BIKE DOCK BELOW GRADE BRAND

CONCRETE SLAB TO HAVE MEDIUM BROOM FINISH AND TOOLED EDGES AND JOINTS.



BIKE RACKS ON CONCRETE PAD W/ THICKENED EDGE

2'-9" 30" 3'-3" 5" CONCRETE SLAB -WITH 10 GAUGE, 6" X 6" -2-3/8" O.D. SARIS WWM AND FIBERMESH -EDGE OF CONCRETE SLAB TO MEET REINFORCING FLUSH WITH GRADE OF EXISTING 2-3/8" O.D. PATH/WALKWAY. SARIS RACK BACKFILL WITH 4" (MIN)-TOPSOIL; SEED AND MULCH WELDED WIRE MESH 6" COMPACTED AGGREGATE BASE EXTEND 3/4" CABC A MIN. 8" BEYOND EDGE OF SLAB ON ALL SIDES 8" X 8" THICKENED SLAB EDGE WITH #4 REINFORCING BARS AT SLAB PERIMETER. ANCHOR RODS, EACH SIDE -10" X 4' DEEP CONCRETE FOOTINGS COMPACTED SUBGRADE-

BIKE RACKS INSTALLATIONS

Ø2.38 — GRADE-−2X Ø.25X12.75" 11.00 ANCHOR RODS SARIS 1. DO NOT SCALE DRAWING. 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ® SARIS CYCLING GROUP 2014
ENFORMATION CONTAINED IN THIS DRAWING IS THE SOLE CONFIDENTIAL PROPERTY SARIS CYCLING GROUP ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF SARIS CYCLING GROUP IS PROHIBITED. 3. TOTAL WEIGHT: APPROXIMATELY 39 LBS

BIKE RACKS SHALL BE SARIS BRAND RACKS CONSISTING OF (3) MODEL 27941 STANDARD RACKS AND (2) MODEL 28011 BRANDED RACKS WITH MILWAUKEE COUNTY

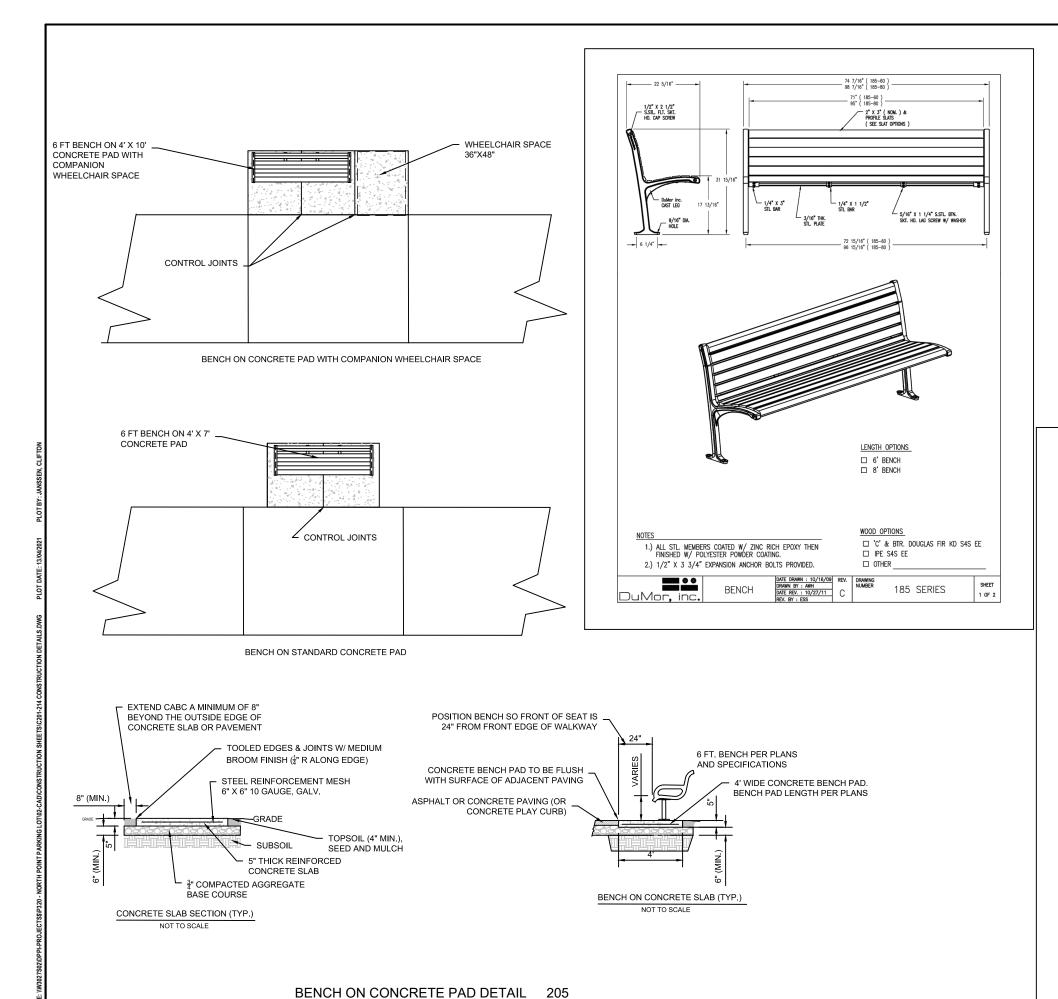
PARKS LEAF LOGO.
BIKE RACKS SHALL BE 2-3/8" OD, SCHEDULE 40 STEEL
PIPE WITH POWDER COAT FINISH AND BELOW GRADE

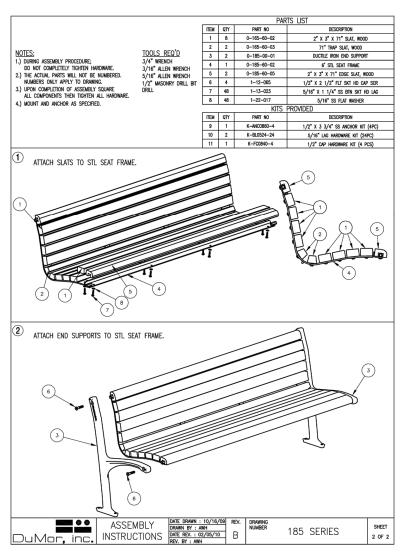
THE BRANDED RACKS WITH LOGO SHALL BE MOUNTED ON THE OUTSIDES/ENDS OF THE FIVE RACKS.

MOUNTING OPTION.

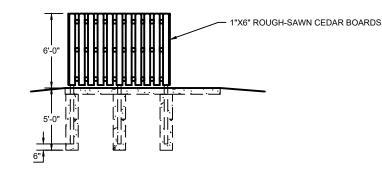
CONSTRUCTION DETAILS | C202

783 BUILDING NO: 1800





1"x6" ROUGH-SAWN CEDAR BOARDS 6" STANDARD STEEL PIPE (GALVANIZED) FILLED WITH CONCRETE AND SET IN CONCRETE PIER LEVER GATE LATCH PAINTED - 6" CONCRETE SLAB SEE DETAIL X, SHEET CXXX CANE BOLTS PROVIDE SLEEVED — RECEVING HOLES IN CONCRETE SLAB - 24" DIAIMETER CONCRETE PIER FOUNDATION



ELEVATION VIEWS

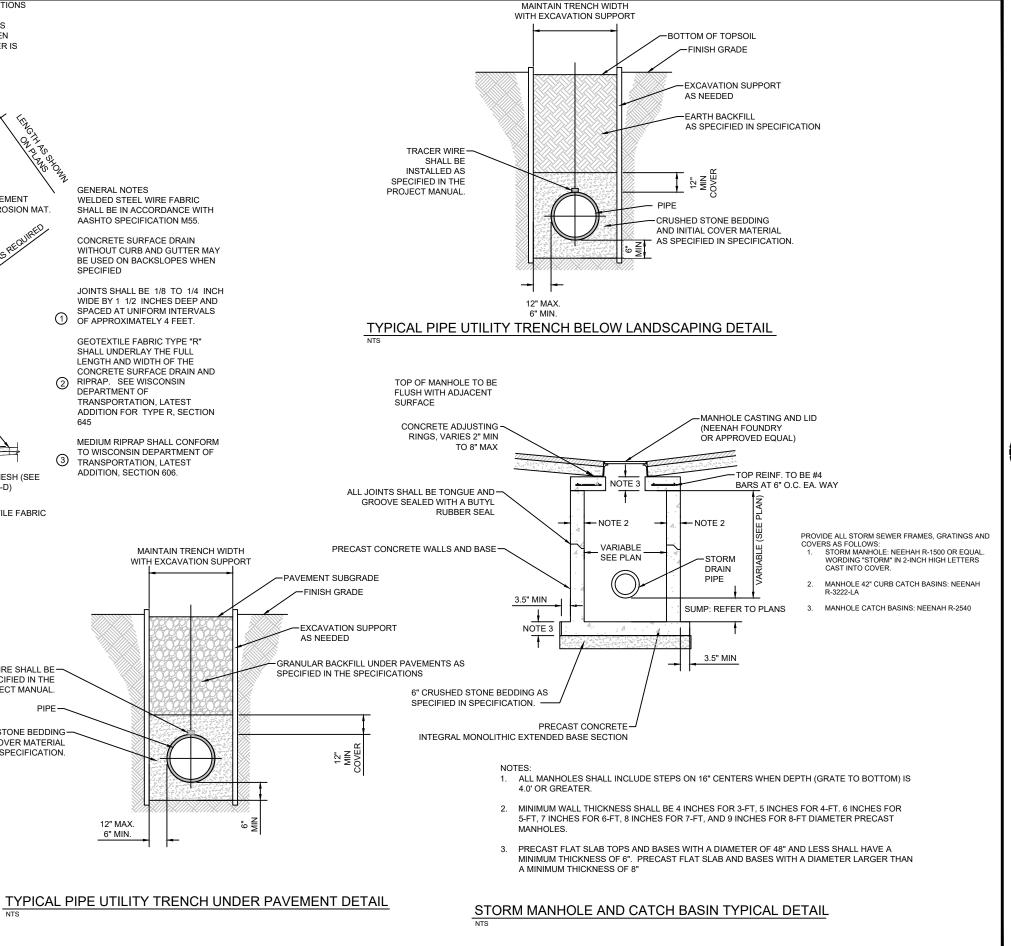
PLAN VIEW

"x6" ROUGH-SAWN CEDAR BOARDS

- COORDINATE COLOR TO MATCH WITH DARK BRICK PORTION OF BUILDING. CONSULT WITH OWNER PRIOR TO CONSTRUCTION
 INSTALL IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND DETAILS.

CEDAR BOARD DUMPSTER ENCLOSURE

783 BUILDING NO:



UNDERDRAIN PIPE SHALL BE LAID AT MINIMUM 0.5% SLOPE TOWARD UNDERDRAIN OUTFALL; OR PER PLAN.

30" MIN OR

PER PLAN

EXPANSION JOINT

2' MIN CURB HEIGHT

TAPER CURB TO FLOW LINE 🦒

RIPRAP FOLLOW SLOPE LENGTH AS SHOWN ON PLANS

MIN. REINFORCEMENT 4"X4" W3.0 X W3.0-

WELDED STEEL WIRE FABRIC

24" MAX

UNDERDRAIN AT PERMEABLE PAVERS

CONCRETE SURFACE DRAIN

W3 WIRE MESH (SEE SECTION D-D)

1)JOINTS

EROSION MA

MATTING

TURF REINFORCEMENT

CONCRETE CURB AND GUTTER EDGE OF PAVEMENT

INCREASE OR DECREASE ANGLE TO BEST FIT FIELD CONDITIONS

3'-0" MIN

PLAN VIEW

2

SECTION C-C

COARSE AGGREGATE NO. 2

GEOTEXTILE FABRIC TYPE DF SCHEDULE A

SECTION D-D

PROPOSED GRADE

(8" WIDE)

-PIPE UNDERDRAIN, 6"

FDGF OF

PAVEMENT

1/FT SLOPE

GEOTEXTILE FABRIC

SURFACE DRAIN IS

SYMETRICAL WHEN

CURB AND GUTTER IS CONTINUED

TURF REINFORCEMENT
MATTING AND EROSION MAT.

-W3 WIRE MESH (SEE

-GEOTEXTILE FABRIC

TRACER WIRE SHALL BE-

PROJECT MANUAL.

CRUSHED STONE BEDDING

AND INITIAL COVER MATERIAL AS SPECIFIED IN SPECIFICATION.

INSTALLED AS SPECIFIED IN THE

SECTION D-D)

CONSTRUCTION DETAILS | C205

SPILLWAY ELEV: 698.70

COMPACTED BANK OF

BERM; EX. SOIL/CLAY

NEFNAH R2561-A BEEHIVE FRAME

RIM=698.13

RUBBER SEAL

-8" DISCHARGE PIPE

-PRECAST CONCRETE INTEGRAL

MONOLITHIC EXTENDED BASE SECTION

AND GRATE

3' DIAMETER REINFORCED CONCRETE

ALL JOINTS SHALL BE TONGUE AND

OUTLET CONTROL STRUCTURE

GROOVE SEALED WITH A BUTYL

0.1'

waukee County Dept. of Administrative FACILITIES MANAGEMENT Ditectural, Engineering & Environmental STWISCONSIN AVENUE. SUITE 1000 MILWAUKE

783 BUILDING NO:

WISDOT EROSION MAT CLASS II, TYPE B AND PLANTINGS - SEE LANDSCAPING PLANS **BOTTOM OF PONDING** ELEV=697.13

TOP OF BERM: 698.80

ELEV=698.70; REFER TO SPILLWAY DETAIL

-6" UNPERFORATED PVC CLEANOUT CUT TO GRADE; REFER TO STORM

SEWER PLANS

OVERFLOW SPILLWAY

NOTES:

 SEE BIOINFILTRATION DETAILS SHEET FOR CLEANOUT DETAILS 2. SLOPE PERFORATED HDPE PERFORATED

TOP OF BERM=698.80

1' RADIUS OF RIP RAP-

SURROUNDING BEEHIVE

PIPES PER STORM SEWER PLANS. CONNECT WITH WATER TIGHT GASKET 4" TOPSOIL

7' BUFFER BETWEEN EDGE OF CURB-AND BIOINFILTRATION EDGE ON BOTH SIDES.

NATIVE SOIL TO REMAIN BENEATH THIS BUFFER

EROSION MAT CLASS II, TYPE B SHALL BE PLACED ON TOP OF THE PLANTING AREA

PLANT BIOINFILTRATION PLUGS ON 1.25' CENTERS

AND NON SHRINK GROUT

FIELD VERIFY UTILITIES PRIOR TO CONSTRUCTION

MATERIAL BELOW ELEVATION SHALL BE EXISTING IN-SITU MATERIAL

> └-6" DIA. PERFORATED UNDERDRAIN PIPE ***STORAGE LAYER NOTES (REF. DOC. WDNR TECHNICAL STANDARD 1004):

FABRIC TYPE HR 1. STORAGE LAYER GRAVEL SHALL MEET THE COARSE AGGREGATE #2 AND OTHER SPECIFICATIONS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5, 2016 EDITION, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY. GRAVEL SHALL BE DOUBLE-WASHED.

16" MEDIA LAYER/ENGINEERED SOIL*

A, 4 WIDE OVER UNDERDRAIN ONLY

4" WASHED PEA GRAVEL LAYER***

24" STORAGE LAYER***

EXISTING GROUND

-GEOTEXTILE FABRIC TYPE DF. SCHEDULE

1.1. NOTE: INADEQUATE WASHING OF AGGREGATE MAY LEAD TO CLOGGING AT THE NATIVE SOIL

SPILLWAY DETAIL

URBAN EROSION MAT OVER

TURF REINFORCEMENT MATTING, 10' WIDE BY 10' AREA

GEO-TEXTILE

OUTLET

RISER

24"

ALL OUTLET CONTROL STRUCTURES SHALL INCLUDE STEPS ON 16"

TURF REINFORCEMENT

****PEA GRAVEL LAYER NOTES (REF. DOC. WDNR TECHNICAL STANDARD 1004):

1.2. PEA GRAVEL THAT IS ROUND, WASHED TO BE FREE OF SAND AND OTHER FINE MATERIALS, WITH A MAXIMUM DIAMETER OF 0.375 INCHES

8" STORM SEWER

THE PLANTING MIXTURE SHALL CONSIST OF A MIXTURE OF 70% SAND AND 30% COMPOST.
 THE SAND SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS:
 1.1 USDA COARSE SAND (.02 - .04 INCHES)

*MEDIA LAYER NOTES (REF. DOC. WDNR TECHNICAL STANDARD 1004):

- 2.2. ASTM C33 (FINE AGGREGATE CONCRETE SAND)

-6" P.V.C. SCREW CAP

ON GRADE

- 2.3. WISCONSIN STANDARDS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4 (FINE AGGREGATE CONCRETE SAND) 2005 EDITION, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY.
- THE PREFERRED SAND COMPONENT CONSISTS OF MOSTLY SiO2, BUT SAND CONSISTING OF DOLOMITE OR CALCIUM CARBONATE MAY ALSO BE USED. MANUFACTURED SAND OR STONE DUST IS NOT ALLOWED. THE SAND SHALL BE WASHED AND DRAINED TO
- REMOVE CLAY AND SILT PARTICLES PRIOR TO MIXING.

 4. THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATIONS \$100, COMPOST
- THE ENGINEERED SOIL MIX SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER. NO OTHER MATERIAL SHALL BE MIXED WITH THE PLANTING SOIL THAT MAY BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE
- 6. THE ENGINEERED SOIL MIX SHALL HAVE ADEQUATE NUTRIENT CONTENT TO MEET PLANT GROWTH REQUIREMENTS.

BIO-FILTRATION BASIN DETAIL

BIOFILTRATION OUTLET

PONDING DEPTH; MAX = 12-INCHES

RISER (36" DIA.); REFER TO OUTLET DETAIL

▼ 100-YEAR STORM=XXX.XX ¥ 10-YEAR STORM=XXX.XX

閾 1.5" (C) **(** 0.5% OR PER PLAN 0.5% OR PER PLAN

- A PERVIOUS PAVER
- B SIZE NO. 8 AGGREGATE
- SIZE NO. 1 WISDOT 501.2.5.4.4

TOP OF UNDERDRAIN.

PLACE GEOTEXTILE FABRIC ON BOTTOM AND ALONG SIDES OF EXCAVATION.

OUTLET STRUCTURE DETAIL

6" UNDERDRAIN

6" MIN ,

PERMEABLE PAVER DETAIL

DETAIL OF GEOTEXTILE FABRIC END OF RUN CLEANOUT FOR BIOFILTER POND AND UNDERDRAIN DETAIL

CONSTRUCTION DETAILS | C206

-6" P.V.C. NONPREFORATED STANDPIPE USE 45 WYE AND FITTING FOR **EQUIVALENT DIRECTIONAL** CLEANOUT TO CONNECT UNDERDRAIN TO STANDPIPE —BEDDING LAYER
—GEOTEXTILE FABRIC 6" PERFORATED SCHD 40 UNDERDRAIN -REFER TO PLAN. 6" HDPE WATERTIGHT CAP -ON TERMINAL END PERFORATED PIPE OF PIPE STORAGE LAYER DETAIL OF CLEANOUT BEDDING LAYER EXTEND 2 FEET ON EITHER SIDE OF PIPE

UNDERDRAIN PIPE UNDERDRAIN 6 INCH

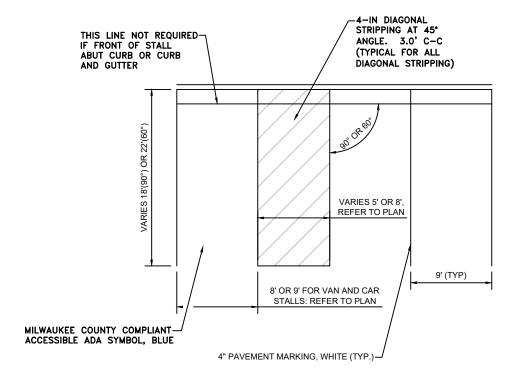
D SIZE NO. 2 WISDOT 501.2.5.4.4

(6" PERFORATED COIL HDPE UNDERDRAIN, ADS OR EQUAL, WITH GEOTEXTILE FABRIC TYPE DF PLACED ON

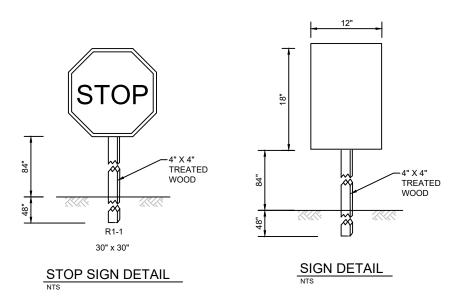
© GEOTEXTILE FABRIC TYPE SAS WISDOT 645.2.2

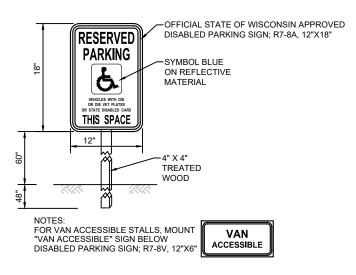
(F) COMPACTED SUBGRADE

783 BUILDING NO: 1800

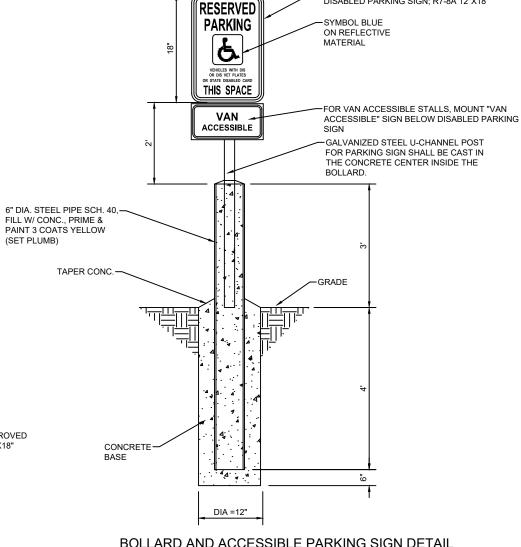


VAN AND CAR ACCESSIBLE PARKING PAVEMENT MARKING DETAIL





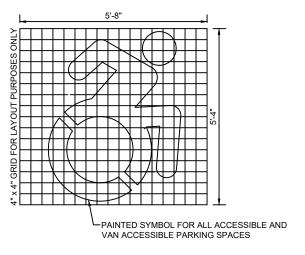
ACCESSIBLE PARKING SIGN DETAIL



-OFFICIAL STATE OF WISCONSIN APPROVED

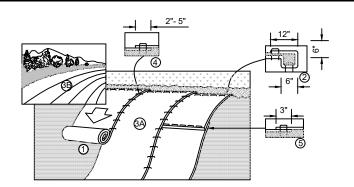
DISABLED PARKING SIGN; R7-8A 12"X18"

BOLLARD AND ACCESSIBLE PARKING SIGN DETAIL



ACCESSIBLE SYMBOL DETAIL

aukee County Dept. of Administrati FACILITIES MANAGEMENT sctural, Engineering & Environmen



SLOPE INSTALLATION:

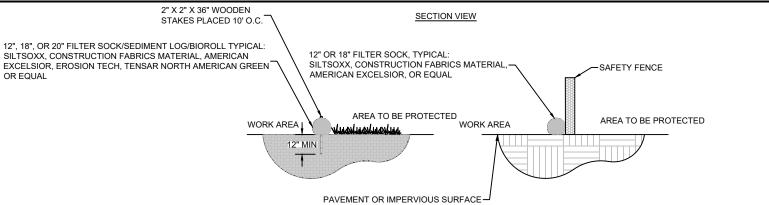
- 1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15CM) DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE BLANKET
- 3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN
- 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5CM-12.5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET
- 5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE BLANKET WIDTH.

- 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 2. DO NOT SCALE DRAWINGS
- 3. IN LOOSE SOIL CONDITIONS THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

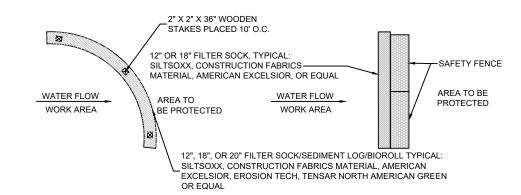
EROSION MAT INSTALLATION DETAIL CRERS-DRIPLINE TREE PROTECTION FENCE AT CRZ. ORANGE CONSTRUCTION **FENCE** (20'-0" FOR FENCE LOCATION XXX (LIMITS OF CRITICAL ROOT ZONE) RADIUS - I FOOT PER INCH OF TRUNK DIAMETER

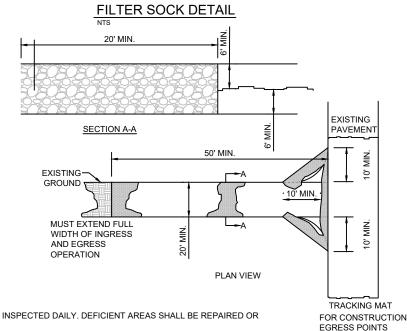
- ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING. AS SHOWN.
- 2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT
- 3. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIPLINES.
- FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER.
- ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BY BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL, TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
- PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT, TO MINIMIZE DAMAGE TO REMAINING ROOTS
- NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.
- PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRINING MUST BE DONE AS OUTLINED IN LITERATURE PROVIDED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA PRUNING TECHNIQUES).

TREE PROTECTION DETAIL



PLAN VIEW





- TRACKING MATS SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- 2. STONE CLEAR OR WASHED (3"-6" NOMINAL DIAMETER) SHALL BE PLACED AT LEAST 12" DEEP OVER THE LENGTH AND WIDTH OF ENTRANCE).
- 3. SURFACE WATER ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" OF STONE OVER THE PIPE TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE TRACKING PAD IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
- 4. LOCATION A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION

TRACKING PAD DETAIL

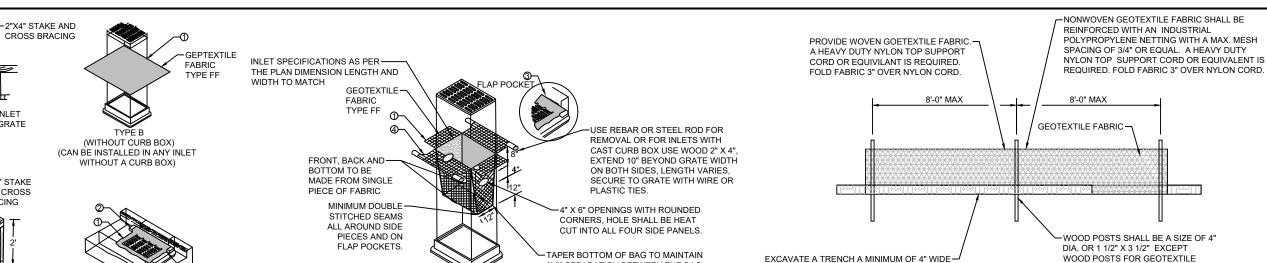
4/14/2021

P320-20141

BUILDING NO:

783

BUILDING NO:



3' 0" SEPARATION BETWEEN THE BAG

AND THE STRUCTURE AT THE

OVERFLOW HOLES

(CAN BE INSTALLED IN ANY INLET

TYPE WITH OR WITHOUT A CURB

BOX)

TYPE A GENERAL NOTES

GEOTEXTILE-

BURIED FABRIC-

GEOTEXTILE

FABRIC

INLET WITH OR

WITHOUT GRATE

MIN. 6' DEPTH

FABRIC

FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

TTACH GEOTEXTILE

FABRIC, TYPE FF TO

BRACING

THE STAKES & CROSS

- FOR INLET PROTECTION, TYPE C (WITH CURB BOX) AN
 ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD
 AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- 3. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"X4". THE REBAR, STEEL PIPE OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.
- FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG
- INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
- 6. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
- WHEN REMOVING OR MAINTAINING INLET PROTECTION CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

INSTALLATION NOTES:

WOOD 2" 4" EXTENDS 8"

BEYOND GRATE WIDTH ON BOTH

SIDES, SECURE TO GRATE WITH

TYPE B & C

PLASTIC TIES.

TYPE C

(WITH CURB BOX)

- TYPE FF GEOTEXTILE FABRIC (EXTEND FABRIC A MINIMUM OF 10" AROUND GRATE PERIMETER FOR MAINTENANCE OR
- THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET

- DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
- 2. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG

TRENCH. BACKFILL & COMPACT WITH

EXCAVATED SOIL.

& 6" DEEP TO BURY AND ANCHOR 8" OF THE

GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT

 CONTRACTOR SHALL INSPECT SILT FENCE DAILY AND REPAIR OR REPLACE AS NEEDED. SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN DEPOSITS REACH 1/2 THE HEIGHT OF THE FENCE.

FABRIC REINFORCED WITH NETTING

SHALL BE A MINIMUM SIZE OF 1 1/8"

LENGTH=4'-0" MIN. WITH 1'-8" MIN.

X 1 1/8" OAK OR HICKORY

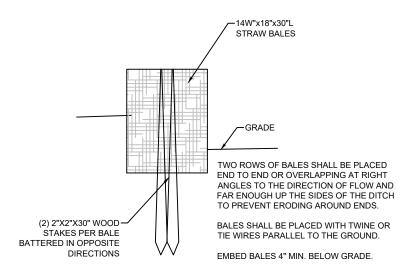
DEPTH IN GROUND.

2. ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND

3" MAX ALTERNATE SILT FENCE DETAIL 3" MAX. NYLON CORD) SUPPORT NETTING ⑥ SEAM-SUPPORT WIRE-GEOTEXTILE FABRIC **GEOTEXTILE** REINFORCED WITH **FABRIC** WOOD POSTS-SUPPORT NETTING LENGTH 4'-0" MIN. 2'-0" MIN. DEPTH IN **⑤**GEOTEXTILE FABRIC **GROUND** SUPPORT GEOTEXTILE-FABRIC ONLY FENCE -WOOD OR STEEL POSTS LENGTH 4'-0" MIN. 2'-0" MIN. **DEPTH IN GROUND** BACKFILL & COMPACT TRENCH WITH BACKFILL & COMPACT **EXCAVATED SOIL** TRENCH WITH FLOW DIRECTION **EXCAVATED SOIL** ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR GEOTEXTILE FABRIC SUPPORT COMPONENTS FLOW DIRECTION ALTERNATE "B" WOODEN LATH AND NAILS

INLET PROTECTION DETAIL

EROSION BALE OR EQUAL DITCH CHECK DETAIL



NOTES ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

ALTERNATE "A"

GEOTEXTILE

FXCESS-FABRIC

TRENCH DETAIL

FABRIC

FLOW DIRECTION

TIEBACK BETWEEN FENCE-

POST AND ANCHOR

FENCE

FLOW DIRECTION

ANCHOR STAKE

SILT FENCE TIE BACK WHEN

MIN. 18" LONG

SILT FENCE DETAIL

DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS. WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS

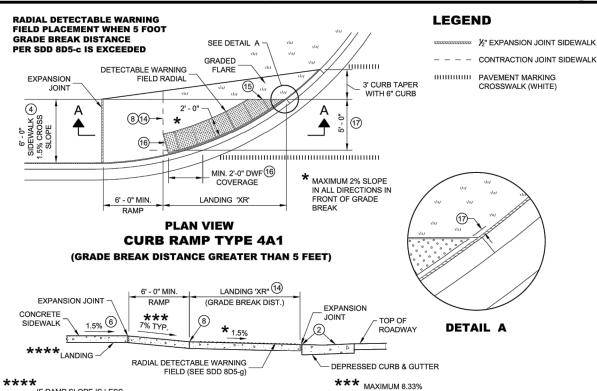
- CROSS BRACE WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP 1 OF POSTS AS DIRECTED BY THE ENGINEER.
- $\stackrel{\textstyle \frown}{\mbox{Minimum}}$ 14 Gage wire required, fold fabric 3" over the wire and staple or place wire rings on 12" c-c.
- EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT
- WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6° . SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
- 5. GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
- STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.28 $\,$ LBS/LINEAL FOOT (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA, OR 1 1/2 " X 3 1/2 " EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1 1/8 " X 1 1/8 " OAK OR HICKORY
- 7. ALTERNATES A & B ARE EQUAL AND EITHER MAY BE USED.

CONSTRUCTION DETAILS

P320-20141 783

SDD 08D05-f Curb Ramps Radial Detectable Warning Field Applications

*** MAXIMUM 8.33%



SECTION A - A FOR TYPE 4A1

SECTION B - B FOR TYPE 4B1

IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO

IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO

LANDING IS REQUIRED

ADJACENT LIPHILL

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1D05

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE. SHALL BE FROM THE SAME MANUFACTURER

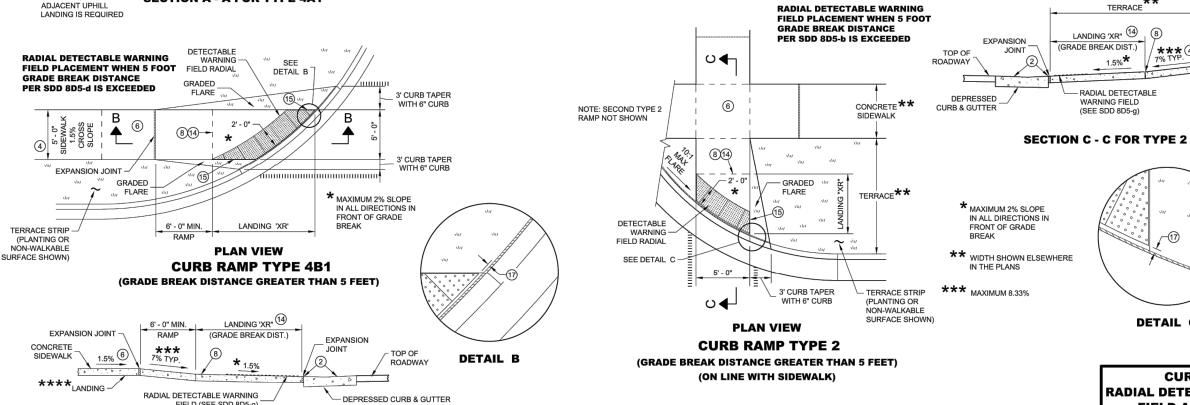
APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

- GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN % - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING. SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- (3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- (6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.
- (8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL
- (4) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING
- (b) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/2" DEVIATION, SMOOTH EDGES OF FIELD CUT PLATES
- (18) USE 1'X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2'-0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL)
- (17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY



-(17)

DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING

FIELD APPLICATIONS

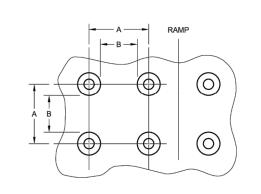
SIDEWALK **

1.5% CROSS

SLOPE (6)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 20





D 0.9" * THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

MAX.

2.4"

1.5"

MIN.

1.6"

0.65"

6

SDD

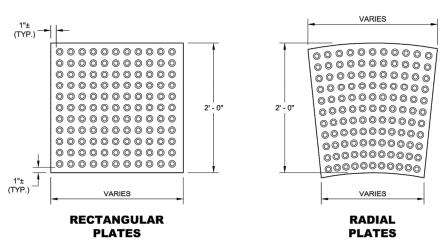
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ELEVATION VIEW

PLAN VIEW

TRUNCATED DOMES **DETECTABLE WARNING PATTERN DETAIL**



PLAN VIEW DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

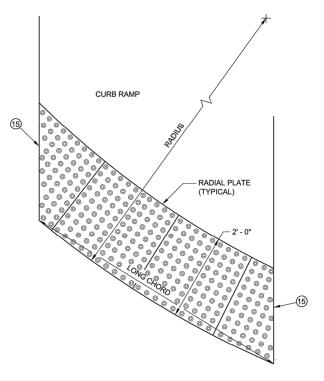
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S

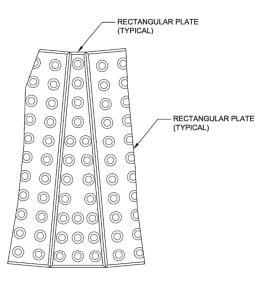
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER

(§) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/2" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

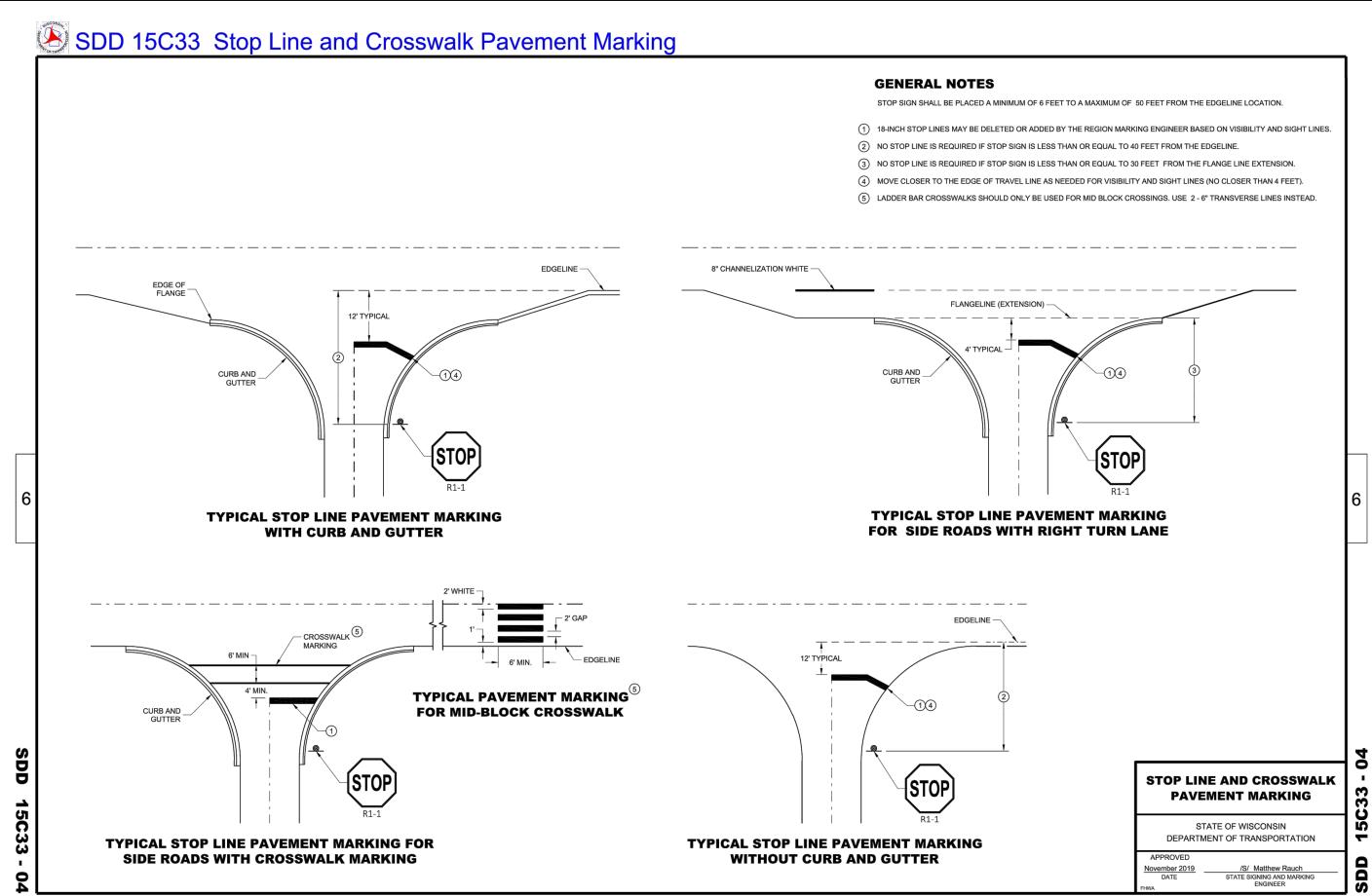
APPROVED

/S/ Rodney Taylor

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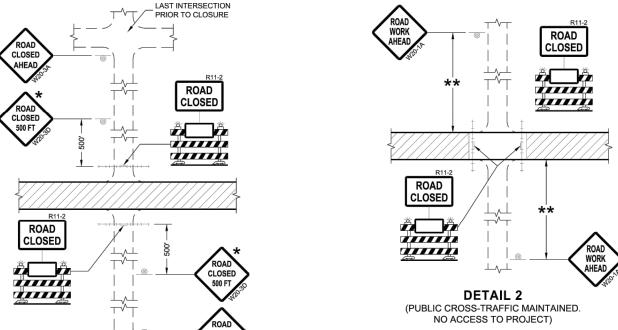
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P320-20141

SDD 15C03 Barricades and Signs for Sideroad Closures



CLOSED

PRIOR TO CLOSURE

(PUBLIC CROSS-TRAFFIC MAINTAINED.

CONTRACTOR, LOCAL BUSINESS AND

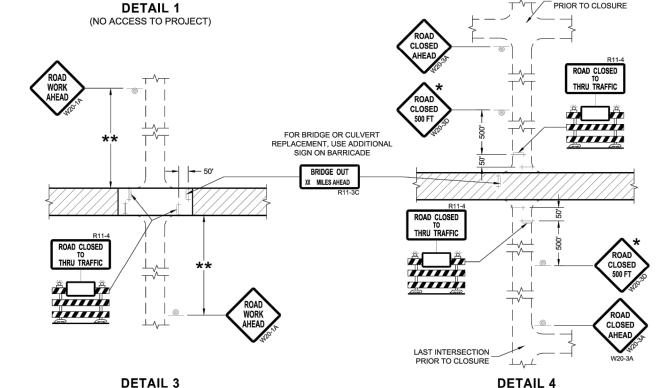
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(CONTRACTOR, LOCAL BUSINESS AND

RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30".

- R11-4 AND R11-3 SHALL BE 60" X 30"
- ★ OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- ** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH

TYPE "A" WARNING LIGHT (FLASHING)

BARRICADES AND SIGNS SIDEROAD CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED July 2018 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

BUILDING NO:

SDD 08D05-e: Curb Ramps Types 5, 6, 7A, 7B and 8

CURB RAMP TYPE 8

DETECTABLE WARNINGS

AT RAILROAD CROSSING

(TYP.

CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3)

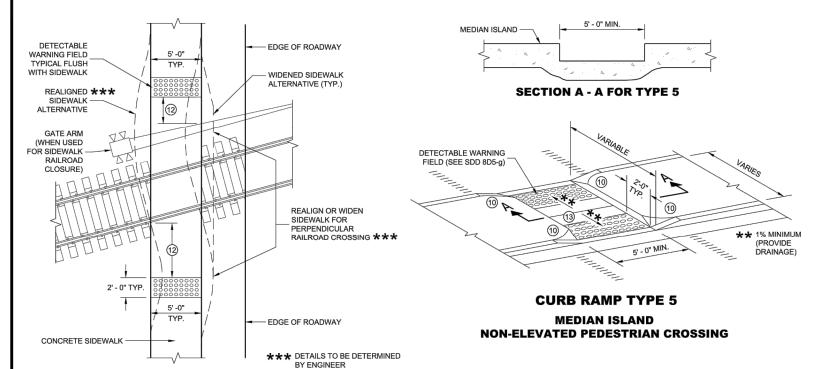
FOR ALL ISLAND CURB RAMPS

1% MIN.

LANDING

REQUIRED

STREET



- DETECTABLE WARNING

FIELD (SEE SDD 8D5-g)

CONCRETE CURE

EXPANSION

EXPANSION

PLANTING OR OTHER

NON-WALKING SURFACE

PEDESTRIAN

FIELD (SEE SDD 8D5-g)

11) 7% MAX.

DETECTABLE WARNING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

PLANTING OR OTHER

NON-WALKING SURFACE

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN % - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING. SHALL MATCH THE RAMP SLOPE MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL
- (3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT
- (6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS
- (10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE
- ① SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN
- (2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.
- (3) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT

LEGEND

1/2" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT FIELD LOCATED PAVEMENT MARKING CROSSWALK (WHITE)

EXPANSION CONCRETE CURB DEPRESSED CURB & GUTTER CONCRETE - DETECTABLE WARNING

SECTION B - B FOR TYPE 7A

CURB RAMP TYPE 7B MID BLOCK CROSSING

EXPANSION

★ MAXIMUM 8.33%

EXPANSION JOINT

- LANDING

CURB RAMP TYPE 7A

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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RECONSTRUCT PARKIING LOT, CONSTRUCT BREAK WATER, AND GRENCE NORTH POINT PARKING LOT 2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

ISION FINITE MARKET MAR

Milwaukee County Dept. of Administrative Services FACILITIES MANAGEMENT DIVISION Architectural, Engineering & Environmental Services 633 WEST WISCONSIN AVENUE, SUITE 1000 MILWAUKEE, WI 53203

DATE: 04/13/2021
PROJECT: P320-20141
SITE NO: 783
BUILDING NO:

C400

RECONSTRUCT PARKIING LOT, CONSTRUCT BREAK WATER, AND GRENORTH POINT PARKING LOT
2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI
53202

ON Sees

Milwaukee County Dept. of Administrative Services FACILITIES MANAGEMENT DIVISION Architectural, Engineering & Environmental Services 3 WEST WISCONSIN AVENUE, SUITE 1000 MILWAUKEE, WI 32203

DATE: 04/13/2021
PROJECT: P320-20141
SITE NO: 783
BUILDING NO:

RECONSTRUCT PARKIING LOT, CONSTRUCT BREAK WATER, AND GREIN NORTH POINT PARKING LOT 2772 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

SION STORY S

Milwaukee County Dept. of Administrative FACILITIES MANAGEMENT DI Architectural, Engineering & Environmental

DATE: 04/13/2021
PROJECT: P320-20141
SITE NO: 783
BUILDING NO: 1800

C500

SOIL BORINGS

RECONSTRUCT PARKING LOT, CONSTRUCT BREAK WATER, AND NORTH POINT PARKING LOT 2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

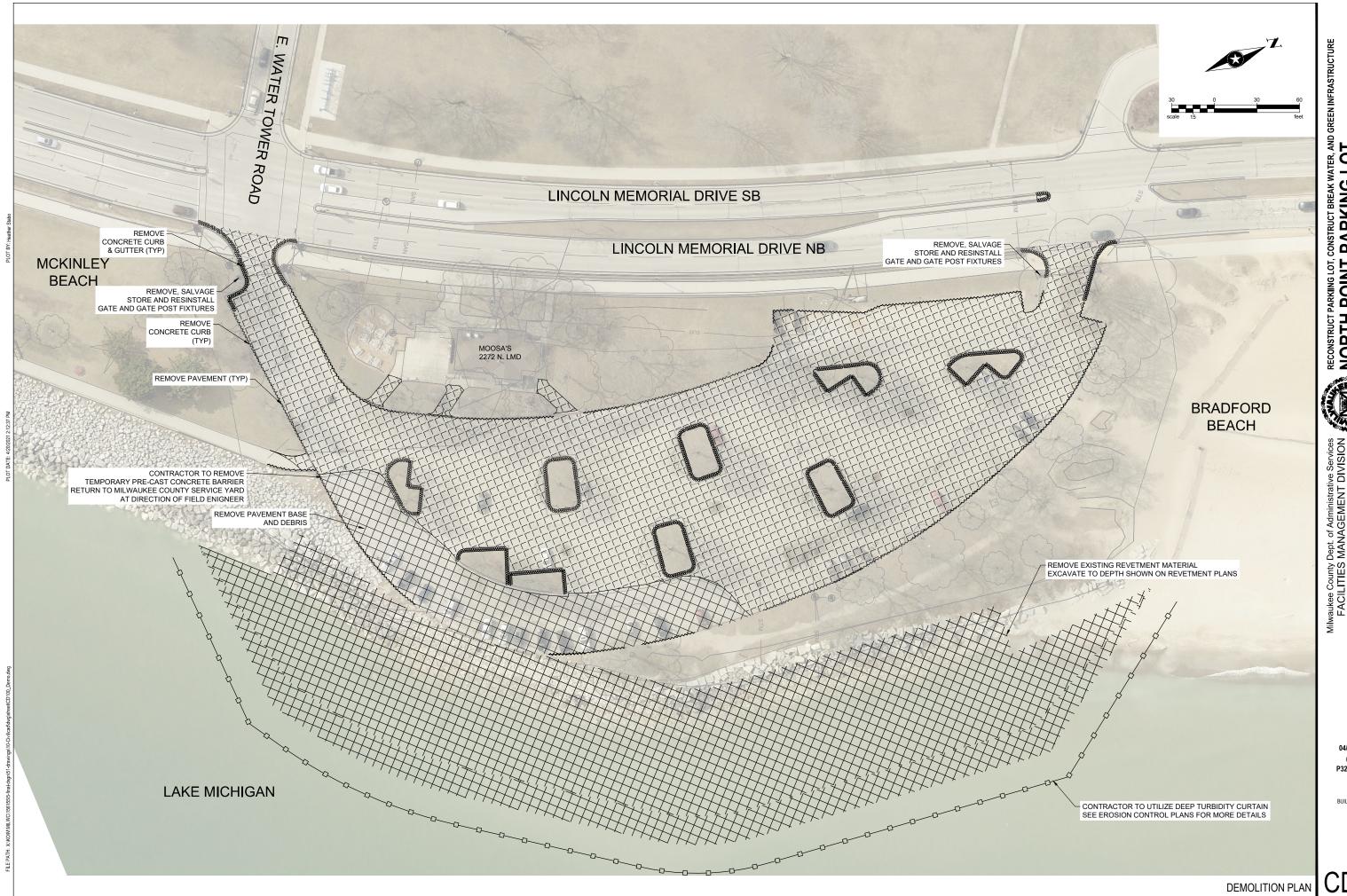
04/13/2021 P320-20141 BUILDING NO:

RECONSTRUCT PARKING LOT, CONSTRUCT BREAK WATER, AND NORTH POINT PARKING LOT 2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

04/13/2021 P320-20141 BUILDING NO:

RECONSTRUCT PARKIING LOT, CONSTRUCT BREAK WATER, AND NORTH POINT PARKING LOT 2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

DATE: 04/13/2021 PROJECT: P320-20141 SITE NO: BUILDING NO:



RECONSTRUCT PARKING LOT, CONSTRUCT BREAK WATER, AND NORTH POINT PARKING LOT 2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

04/13/2021 PROJECT: P320-20141 SITE NO:

BUILDING NO:

CD100

RECONSTRUCT PARKING LOT, CONSTRUCT BREAK WATER, AND GROWN NORTH POINT PARKING LOT

ES MANAGEMENT DIVISION SE gineering & Environmental Services Fenule, SUITE 1000 MILWAUKEE, WI 53203

DATE: 04/13/2021
PROJECT: P320-20141
SITE NO: 783

783 BUILDING NO: 1800

CS100

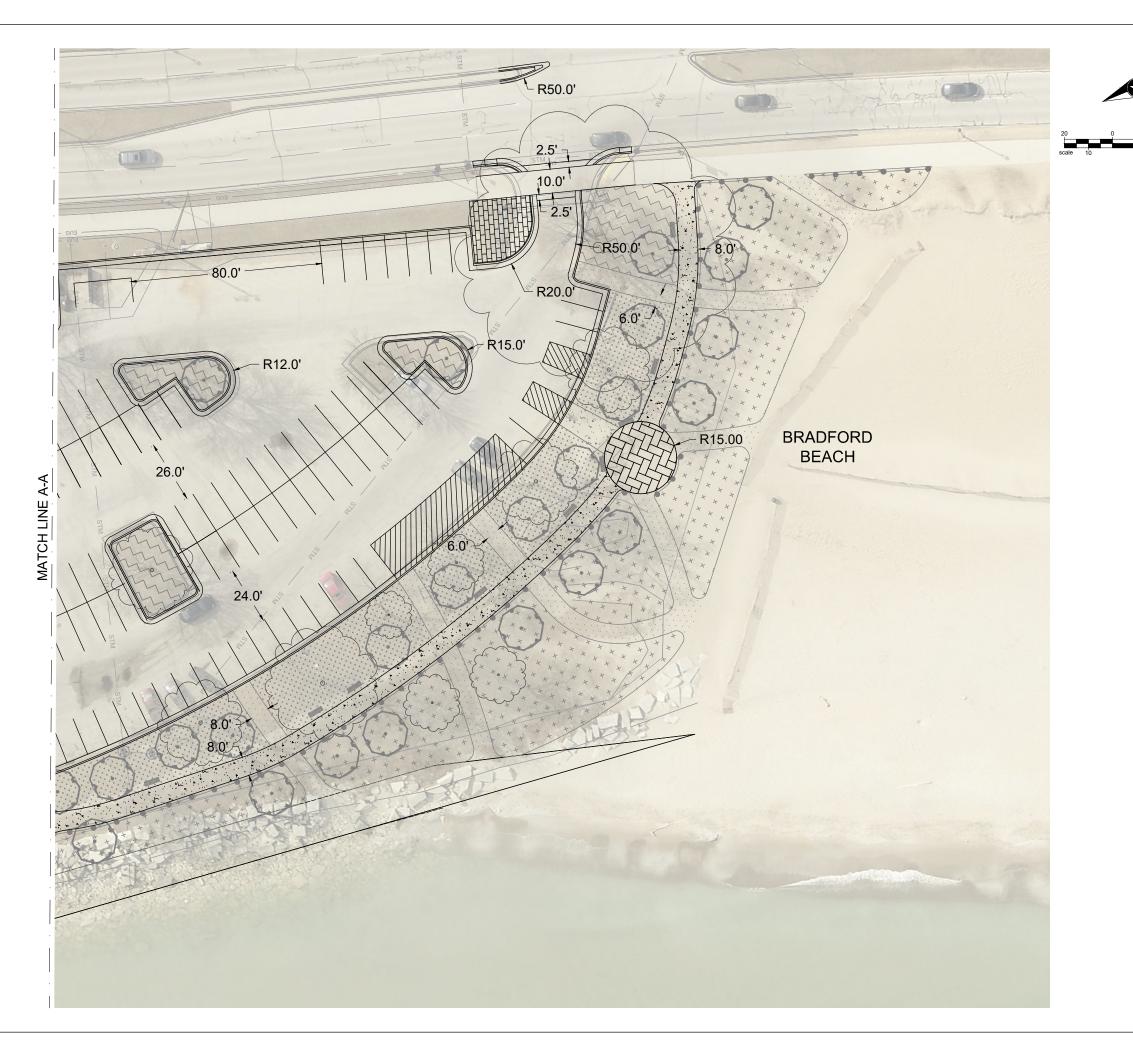
RECONSTRUCT PARKING LOT, CONSTRUCT BREAK WATER, AND NORTH POINT PARKING LOT 2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

CIVIL PLANVIEW

CS10¹

04/13/2021 PROJECT: P320-20141

BUILDING NO:



Ppt. of Administrative Services (NATA) NORTH POINT PARKING LOT, CONSTRUCT BREAK WATER, AND IANAGEMENT DIVISION (NATA) NORTH POINT PARKING LOT SUITE 1000 MILWAUKEE, WI 53203

Milwaukee (
FACIL
Architectural

04/13/2021
PROJECT:
P320-20141
SITE NO:
783
BUILDING NO:

LS100

SION SINGLES NORTH POINT PARKING LOT, CONSTRUCT BREAK WATER, AND SION SION SINGLES NORTH POINT PARKING LOT SINGLES NORTH POINT PARKING LOT SINGLES NORTH SINGLE N

Iilwaukee County Dept. of Administrative Se FACILITIES MANAGEMENT DIVIS chitectural, Engineering & Environmental Se st WISCONSIN AVENUE. SUITE 1000 MILWALIKEE W

DATE: 04/13/2021
PROJECT: P320-20141
SITE NO: 783
BUILDING NO:

CG101

RECONSTRUCT PARKING LOT, CONSTRUCT BREAK WATER, AND GRE NORTH POINT PARKING LOT 2272 N. LINCOLN MEMORIAL DR., MILWAUKEE, WI 53202

Services VISION Services Services

Milwaukee County Dept. of Administrative Service FACILITIES MANAGEMENT DIVISIOI Architectural, Engineering & Environmental Service 633 WEST WISCONSIN AVENUE, SUITE 1000 MILWAUKEE, WI 5320

DATE: 04/13/2021
PROJECT: P320-20141
SITE NO: 783
BUILDING NO: 1800

C40'

AC	ALTERNATING CURRENT	MAN	MANUAL STARTER		
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM	\$ ₃	THREE WAY WALL SWITCH
AFG	ABOVE FINISHED GRADE	MCB	MAIN CIRCUIT BREAKER		
AHJ	AUTHORITY HAVING JURISDICTION	MFR	MANUFACTURER	\$ ₄	FOUR WAY WALL SWITCH
ALT	ALTERNATE	MH	MANHOLE	· ·	
AMP	AMPERE	MIN	MINIMUM	\$ _K	KEYED SWITCH
AUTO	AUTOMATIC	MLO	MAIN LUG ONLY	**	
		MTD	MOUNTED	\$ _{K3}	THREE WAY KEYED SWITCH
BLDG	BUILDING	MTG	MOUNTING		FOUR WAY KEYED SWITCH
BKR	BREAKER			\$ _{K4}	FOUR WAT RETED SWITCH
		N	NEUTRAL	OS ↔	SWITCH-BOX OCCUPANCY SENSOR
С	CONDUIT	NA	NOT APPLICABLE		CHITCH BOX GOOD! AND FOLICOR
CAB	CABINET	NEC	NATIONAL ELECTRICAL CODE	OS	WALL MOUNT OCCUPANCY SENSOR
CAP	CAPACITY	NIC	NOT INCLUDED IN CONTRACT		
CAT	CATALOG	NTS	NOT TO SCALE	<u>(0s)</u>	CEILING MOUNT OCCUPANCY SENSOR
CKT	CIRCUIT				
CKT BKR	CIRCUIT BREAKER	OC	ON CENTER	С	CONTACTOR
CLG	CEILING	OD	OUTSIDE DIAMETER	TC	TIMECLOCK
CONT	CONTINUE			IC	HIWEGLOCK
CT	CURRENT TRANSFORMER	Р	POLE	PC	EXTERIOR PHOTOELECTRIC SWITCH
		PB	PANELBOARD, PULL BOX, OR PUSHBUTTON		
DEMO	DEMOLITION	PEC	PHOTOELECTRIC CELL		SURFACE MOUNT LIGHT FIXTURE
DISC	DISCONNECT	PED	PEDESTAL		
DN	DOWN	PEND	PENDANT	• •	PENDANT DIRECT/INDIRECT
DWG	DRAWING	PH	PHASE		ATRIBUNIO DE LA FIVELIDE
		PL	PILOT LIGHT		STRIP/INDUSTRIAL FIXTURE
EC	ELECTRICAL CONTRACTOR	PNL	PANEL		2X2 SURFACE MOUNT FIXTURE
EMT	ELECTRICAL METALLIC TUBING	PVC	POLYVINYL CHLORIDE (PLASTIC)		ZAZ GORT AGE MIGGINT FIXTORE
ENCL	ENCLOSURE	PW	PRE-WIRED		2X2 RECESSED FIXTURE
ETR	EXISTING TO REMAIN	PWR	POWER		
					2X4 SURFACE MOUNT FIXTURE
FLA	FULL LOAD AMPERE	RECPT	RECEPTACLE		AVA DEGEGGGED FINTURE
FLT	FLOODLIGHT	RM	ROOM		2X4 RECESSED FIXTURE
FVNR	FULL VOLTAGE NON-REVERSING	REQD	REQUIRED		LINEAR WALL BRACKET
FVR	FULL VOLTAGE REVERSING				LINEAR WALL BRACKET
		SF	SQUARE FOOT (FEET)	ō	WALL MOUNTED FIXTURE
G/GND	GROUND	SPD	SURGE PROTECTION DEVICE	0	
GC	GENERAL CONTRACTOR	SPEC	SPECIFICATION	I ∅	RECESSED FIXTURE
GFI / GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SW	SWITCH	_ i	
				ф	CEILING MOUNTED FIXTURE
HOA	HAND-OFF-AUTO	TC	TIMECLOCK	-	TRACK LIGHT OR MONOPOINT
HP	HORSE POWER	TYP	TYPICAL	_ ~	TRACK LIGHT OR MONOPOINT
HZ	HERTZ			-	POLE MOUNT LUMINAIRE
		UL	UNDERWRITERS LABORATORY		1 OLE MOOITI COMMUNIC
J-BOX	JUNCTION BOX	UNV	UNIVERSAL	I →	BOLLARD
				Ι Ψ	
KV	KILOVOLT	V	VOLT	-0	FLOOD LIGHT
KVA	KILOVOLT AMPERE	VA	VOLT AMPERE		1 LOOD LIGHT
KW	KILOWATT			- I	
		W	WATT OR WIRE	>	WALL WASH
LCP	LIGHTING CONTROL PANEL	WP	WEATHERPROOF	1	
LED	LICHT EMITTING DIODE			1	

MAGNETIC STARTER MANUAL STARTER

LIGHTING LEGEND

ABBREVIATIONS

A AC AFF AFG AHJ ALT AMP AUTO

LCP LED LF LM LTG LV

LIGHTING CONTROL PANEL LIGHT EMITTING DIODE LINEAR FOOT (FEET)

LIGHTING LOW VOLTAGE

XFMR

TRANSFORMER

AMPERE ALTERNATING CURRENT

GENERAL NOTES GENERAL LEGEND

	NEW ELECTRICAL COMPONENT EXISTING ELECTRICAL COMPONENT DEMOLISHED ELECTRICAL COMPONENT	DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL REQUIRED COMPONENTS FOR A COMPLETE INSTALLATIC CONTRACTOR SHALL FURNISH AND INSTALL MATERIAL, EQUIPMENT, DEVICES, FIXTURES, SERVICE REQUIREMENTS NECESSARY TO CONFORM TO THE STRUCTURE, EQUIPMENT CONNECTIONS, FOR A COMPLE	
(E##)	KEY NOTE	AND FUNCTIONAL INSTALLATION AND SHALL MAINTAIN	
_	TYPICAL CIPCUIT	APPROPRIATE CLEARANCES.	

SINGLE RECEPTACLE

DUPLEX RECEPTACLE

DUPLEX RECEPTACLE 6" ABOVE COUNTER OR BACKSPLASH OR AT HEIGHT INDICATED

DOUBLE DUPLEX RECEPTACLE

SPECIAL PURPOSE OUTLET

PUSH BUTTON

JUNCTION BOX

GROUND

METER

MOTOR

CIRCUIT BREAKER

SURFACE MOUNT PANEL

NON-FUSED DISCONNECT

COMBINATION STARTER

FUSED DISCONNECT

()

#

#

•

J

-60-

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M

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 \boxtimes

 \boxtimes_{I}

Ø

TYPICAL CIRCUIT 2. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, UNSWITCHED CIRCUIT

POWER LEGEND CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION.

> 4. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF WORK AND PROJECT CONDITIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE

BID ANY ADDITIONAL WORK REQUIRED BY THIS TRADE.

6. ALL CONDUITS SHOULD BE SUPPORTED IN COMPLIANCE WITH ALL CONDUITS SHOULD BE SUPPORTED IN COMPLIANCE WITH CODE REQUIREMENTS AND INSTALLED IN A MANER AS TO AFFORD MINIMUM INTERFERENCE WITH OTHER TRADES. ALL CONDUITS ABOVE CELING SHALL BE RIGIOLY SUPPORTED BY SUITABLE HANGERS FROM THE STRUCTURAL SLAB DECK OR FRAMING ABOVE INDEPENDENT OF THE CEILING, CEILING SUPPORT SYSTEM AND OTHER TRADE COMPONENTS. ALL CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON DRAWINGS.

8. CONTRACTOR SHALL VERIFY ALL EQUIPMENT CONNECTION CONFIGURATIONS BEFORE PURCHASE. ALL DEVICES SHOWN

9. CONDUCTOR SIZES INDICATED ARE MINIMUM SIZES BASED ON WHERE THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST OUTLET DOES NOT EXCEED 5 PERCENT, TO PROVIDE REASONABLE

ELECTRICAL SHEET INDEX

NUMBER	SHEET NAME
E001	ELECTRICAL LEGEND, ABBREVIATIONS, AND NOTES
	ELECTRICAL PLAN - NORTH POINT CONCESSIONS PARKING LOT
E102	LIGHTING FIXTURE SCHEDULE AND DETAILS

RECONSTRUCT ROADWAY AT NORTH POINT CONCESSIONS
NORTH POINT CONCESSIONS PARKING
XXX, MILWAUKEE, WI 53209 TOR SHALL FURNISH AND INSTALL
..EQUIPMENT. DEVICES. FIXTURES. SERVICE , EQUIPMENT, DEVICES, FIATORES, SERVICE
MENTS NECESSARY TO CONFORM TO THE
RE, EQUIPMENT CONNECTIONS, FOR A COMPLETE
CTIONAL INSTALLATION AND SHALL MAINTAIN
RIATE CLEARANCES. STATE LOCAL CODES, FEDERAL AND STATE REGULATIONS. AND ALL REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING

E

5. THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND SPECIFICATIONS OF OTHER TRADES AND INCLUDE IN THEIR

. FIRE RATED SEALS SHALL BE PROVIDED FOR ALL CONDUIT PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS, AND CEILINGS.

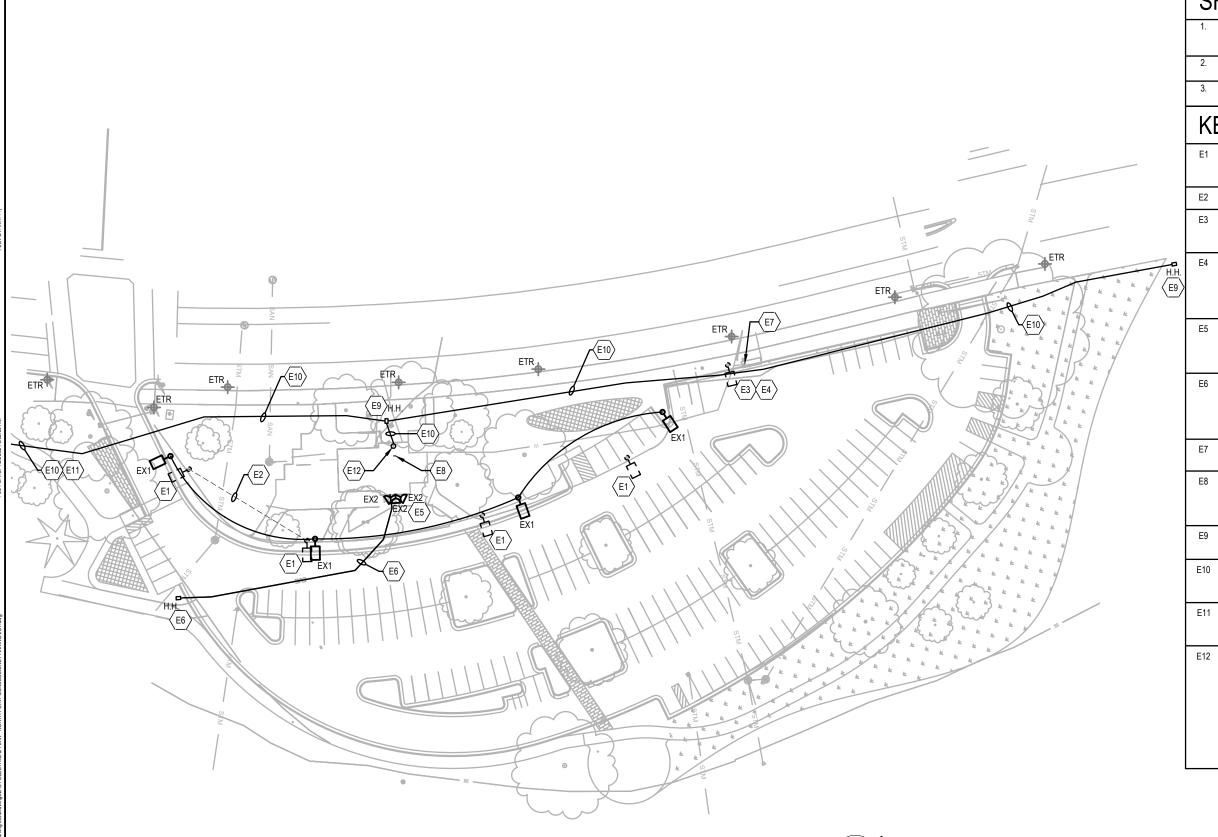
CONFIGURATIONS BEFORE PURCHASE. ALL DEVICES SHO ARE FOR REFERENCE ONLY, TO COMMUNICATE DESIGN INTENT, FINAL LOCATIONS SHALL BE VERIFIED PRIOR TO INSTALLATION. THIS NOTE SHALL APPLY TO, BUT NOT BE LIMITED TO, RECEPTACLES, SWITCHES, DATA PORTS, AUDIO/VIDEO DEVICES, AND TELEPHONE JACKS.

CONDUCTOR SIZES INDICATED ARE MINIMINIM SIZES BASED ON 75°C COPPER CONDUCTOR. AMPACITIES OF CONDUCTORS DO NOT TAKE VOLTAGE DROP INTO CONSIDERATION. CONTRACTOR SHALL SIZE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS TO PREVENT A VOLTAGE DROP EXCEEDING 3 PERCENT AT THE FARTHEST OUTLET OF POWER. HEATING, AND LIGHTING LOADS, OR COMBINATION OF SUCH LOADS, AND MALED ET HE MAYIMIM TOTAL VICTAGE BROP ON BOTH.

DATE: 05/07/2021 PROJECT: P320-20141 SITE NO: 783 BUILDING NO:

Milwaukee County Dept. of Administrative Services FACILITIES MANAGEMENT DIVISION Architectural, Engineering & Environmental Services WEST WISCONSIN AVENUE, SUITE 1000 MILWAUKEE, WI 53203

DATE: 05/07/2021
PROJECT: P320-20141
SITE NO: 783
BUILDING NO: 1800



ELECTRICAL PLAN - NORTH POINT CONCESSIONS PARKING LOT

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

NOTE A. CATALOG NUMBERS ARE TO PROVIDE GUIDANCE ONLY AND MAY NOT BE COMPLETE.

NOTE B. FIXTURES SPECIFIED TO MEET DESIGN INTENT. EQUALS BY ACUITY (LITHONIA DSX2LED SERIES) MAY BE SUBSTITUTED SUBJECT TO REQUIREMENTS OF THE SPECIFICATIONS AND ENGINEER'S APPROVAL

NOTE C. PROVIDE ALL PARTS AND PIECES NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

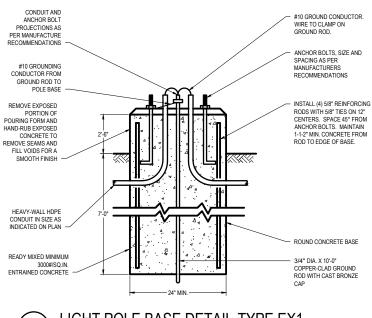
NOTE D. ALL LIGHT FIXTURES AND POLES TO HAVE BLACK FINISH.

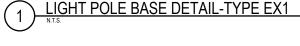
LIGHTING FIXTURE SCHEDULE KEY NOTES:

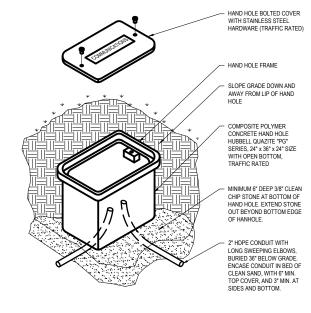
NOTE 1. PROVIDE DIRECT ARM MOUNTING ACCESSORY AND 20' ROUND TAPERED ALUMINUM POLE WITH CAST ALUMINUM 4-BOLT BASE. POLE TO HAVE 5" BUTT DIA., 3" TOP DIA., AND 0.125" WALL THICKNESS.

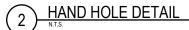
NOTE 2. PROVIDE CONCRETE BASE, BUSSMANN TYPE HEX 2-POLE FUSEHOLDER (FOR KTK FUSES), AND POLARIS WIRE CONNECTORS IN POLE HANDHOLE. SEE DETAIL 1/E102.

NOTE 3. MOUNT ON EXISTING 3-FIXTURE MOUNTING ARM BRACKET AT ROOF PEAK.











THIS BAR APPEARS 2" LONG ON FULL SIZE SHEETS.

AILS E102

DATE: 05/07/2021 PROJECT: P320-20141

SITE NO: 783 BUILDING NO:

NORTH POINT CONCESSIONS PARKING LOT XXX, MILWAUKEE, WI 53209

575

570

1+75

2+00

DATE: 04/13/2021 PROJECT: P320-20141 SITE NO:

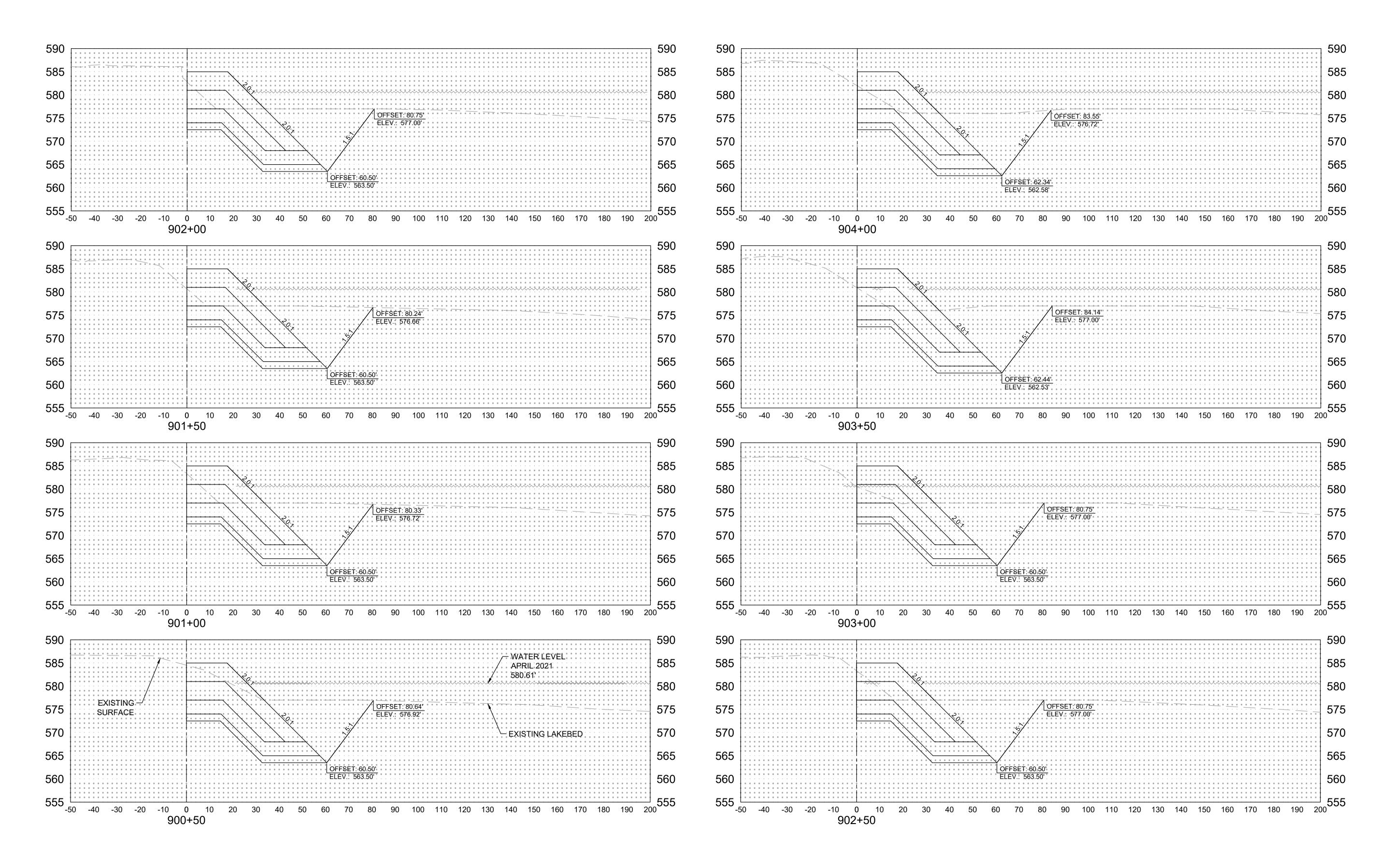
SITE NO: 783 BUILDING NO:

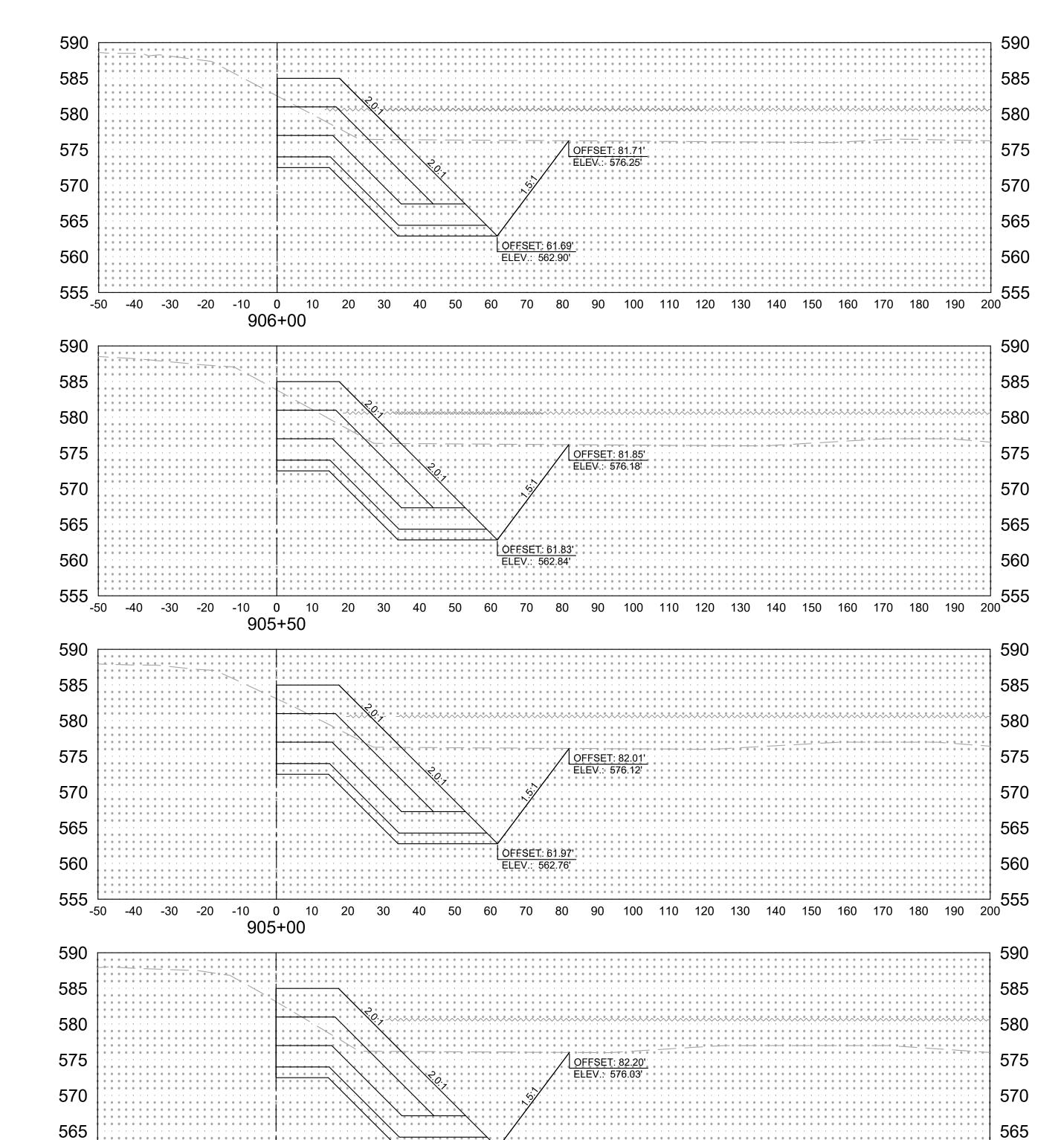
RV101

575

570

4+50





OFFSET: 62.16'.

ELEV.: 562.67'

-40 -30 -20 -10 **0** 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

 $\ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots$