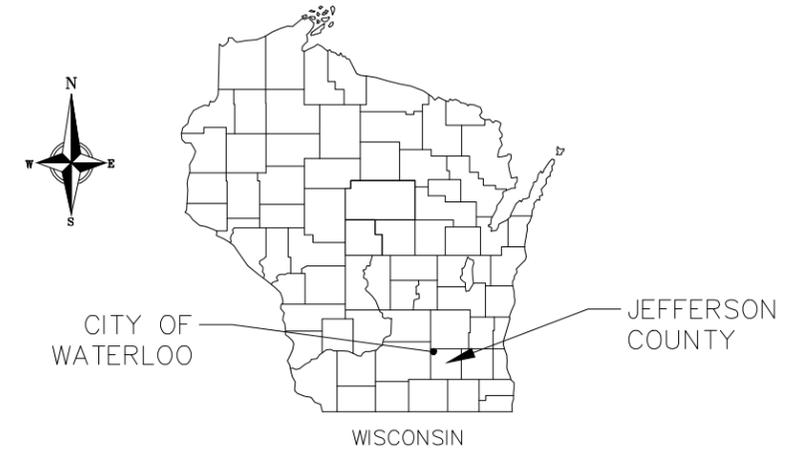


RIVERWALK REDEVELOPMENT

HAWTHORN AND STONE CITY OF WATERLOO

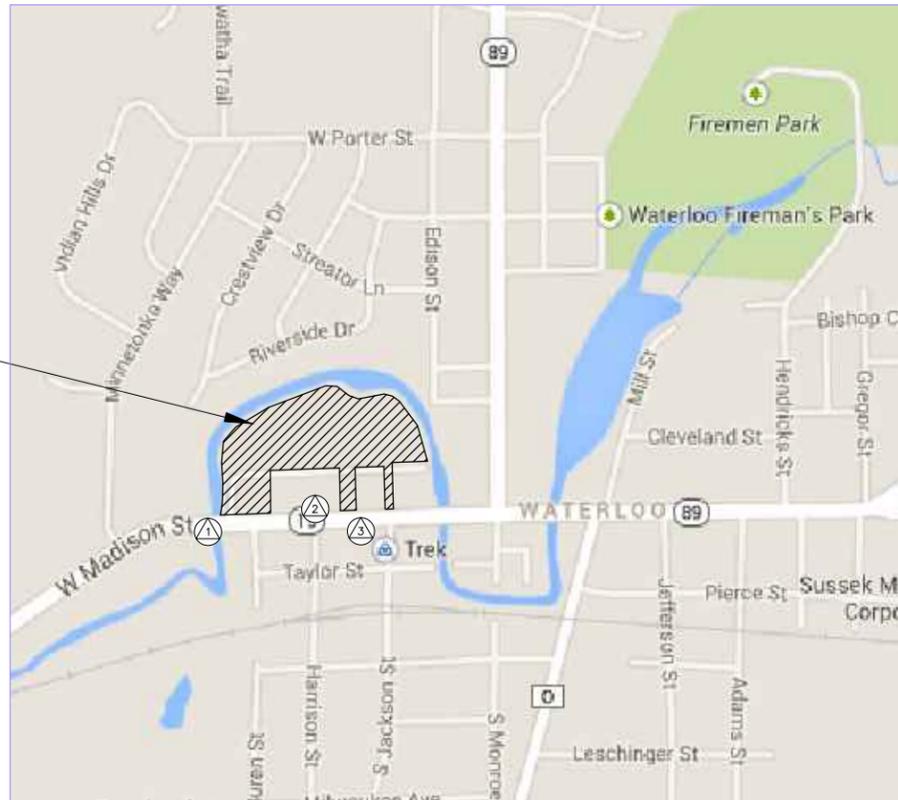
DRAFT 10/2/14



SITE BENCHMARKS

-  BENCHMARK #1
CHISELED SQUARE
ON SW WING WALL
ELEV = 822.97
-  BENCHMARK #2
TOP NUT-HYD
ELEV = 830.22
-  BENCHMARK #3
NE BOLT ON BASE
OF LIGHT POLE
ELEV = 819.78

PROJECT LOCATION



SHEET NO.	DESCRIPTION
C1	TITLE SHEET
C2	GENERAL NOTES AND LEGENDS
C3	EXISTING CONDITIONS PLAN
C4	DEMOLITION AND SITE PLAN
C5	GRADING AND EROSION CONTROL PLAN
C6	UTILITY PLAN
C7-C12	CONSTRUCTION DETAILS



CALL DIGGER'S HOTLINE
1-800-242-8511
TOLL FREE

TELEFAX: 1-800-338-3860
TDC (FOR HEARING IMPAIRED):
1-800-542-2289

WS. STATUTE 182.0175 (1979)
REQUIRES MINIMUM OF 3 WORKING DAYS
NOTICE BEFORE YOU EXCAVATE.

THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE
1-800-242-8511

Title Sheet
Riverwalk Redevelopment
City of Waterloo
Jefferson County, Wisconsin

REVISIONS	REVISIONS
NO.	NO.
DATE	DATE
REMARKS	REMARKS

SCALE AS SHOWN

DATE 9/26/14

DRAFTER JGOL / BBAR

CHECKED MSCH

PROJECT NO. 130122.00

C
1

TOPOGRAPHIC SYMBOL LEGEND

- EXISTING BOLLARD
EXISTING FLAG POLE
EXISTING MAILBOX
EXISTING MONITORING WELL
EXISTING POST
EXISTING SIGN (TYPE NOTED)
EXISTING CURB INLET
EXISTING ENDWALL
EXISTING FIELD INLET
EXISTING ROOF DRAIN CLEANOUT
EXISTING STORM MANHOLE
EXISTING SANITARY CLEANOUT
EXISTING SANITARY MANHOLE
EXISTING SEPTIC VENT
EXISTING FIRE HYDRANT
EXISTING STANDPIPE
EXISTING WATER MAIN VALVE
EXISTING CURB STOP
EXISTING WELL
EXISTING WATER MANHOLE
EXISTING GAS VALVE
EXISTING AIR CONDITIONING PEDESTAL
EXISTING DOWN GUY
EXISTING ELECTRIC MANHOLE
EXISTING ELECTRIC PEDESTAL
EXISTING TRANSFORMER
EXISTING GUY POLE
EXISTING LIGHT POLE
EXISTING GENERIC LIGHT
EXISTING UTILITY POLE
EXISTING TV PEDESTAL
EXISTING TELEPHONE MANHOLE
EXISTING TELEPHONE PEDESTAL
EXISTING UNIDENTIFIED MANHOLE
EXISTING HANDICAP PARKING
EXISTING TRAFFIC SIGNAL
EXISTING SHRUB
EXISTING CONIFEROUS TREE
EXISTING DECIDUOUS TREE

SURVEY LEGEND

- BENCHMARK
FOUND CHISELED "X"
PUBLIC LAND CORNER AS NOTED
FOUND NAIL
FOUND 1" Ø IRON PIPE
FOUND 2" Ø IRON PIPE
FOUND P.K. NAIL
FOUND 1 1/4" Ø IRON ROD
FOUND 3/4" Ø IRON ROD
FOUND RAILROAD SPIKE
SET CHISELED "X"
SET NAIL
SET P.K. NAIL
SET 1 1/4" Ø IRON ROD
SET 3/4" Ø IRON ROD
SET RAILROAD SPIKE
GENERAL CONTROL POINT

GRADING LEGEND

- EXISTING MAJOR CONTOURS
EXISTING MINOR CONTOURS
PROPOSED MAJOR CONTOURS
PROPOSED MINOR CONTOURS
DITCH CENTERLINE
SILT FENCE
DISTURBED LIMITS
BERM
DRAINAGE DIRECTION
PROPOSED SLOPE ARROWS
EXISTING SPOT ELEVATIONS
PROPOSED SPOT ELEVATIONS

- STONE WEEPER
VELOCITY CHECK
INLET PROTECTION
EROSION MAT CLASS
EROSION MAT CLASS
TRACKING PAD
RIP RAP

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING UNDERGROUND CABLE TV
EXISTING OVERHEAD CABLE TV
EXISTING FIBER OPTIC LINE
EXISTING OVERHEAD TELEPHONE LINE
EXISTING UNDERGROUND TELEPHONE
EXISTING RETAINING WALL
EXISTING CHAIN LINK FENCE
EXISTING GENERAL FENCE
EXISTING WIRE FENCE
EXISTING WOOD FENCE
EXISTING GAS LINE
EXISTING UNDERGROUND ELECTRIC LINE
EXISTING GUY LINE
EXISTING OVERHEAD ELECTRIC LINE
EXISTING OVERHEAD GENERAL UTILITIES
EXISTING SANITARY FORCE MAIN (SIZE NOTED)
EXISTING SANITARY SEWER LINE (SIZE NOTED)
EXISTING STORM SEWER LINE (SIZE NOTED)
EXISTING EDGE OF TREES
EXISTING WATER MAIN (SIZE NOTED)
EXISTING WETLAND DELINEATION
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR

PROPOSED UTILITY LEGEND

- STORM SEWER PIPE
STORM SEWER MANHOLE
STORM SEWER ENDWALL
STORM SEWER CURB INLET
STORM SEWER CURB INLET W/MANHOLE
STORM SEWER FIELD INLET
ROOF DRAIN CLEANOUT
SANITARY SEWER PIPE (GRAVITY)
SANITARY SEWER PIPE (FORCE MAIN)
SANITARY SEWER LATERAL PIPE
SANITARY SEWER MANHOLE
SANITARY SEWER CLEANOUT
WATER MAIN
WATER SERVICE LATERAL PIPE
FIRE HYDRANT
WATER VALVE
CURB STOP
WATER VALVE MANHOLE

ABBREVIATIONS
STMH - STORM MANHOLE
FI - FIELD INLET
CI - CURB INLET
CB - CATCH BASIN
EW - ENDWALL
SMH - SANITARY MANHOLE

SITE PLAN LEGEND

- PROPERTY BOUNDARY
CURB AND GUTTER (REJECT CURB HATCHED)
PROPOSED CHAIN LINK FENCE
PROPOSED WOOD FENCE
PROPOSED CONCRETE
PROPOSED LIGHT-DUTY ASPHALT
PROPOSED HEAVY-DUTY ASPHALT
PROPOSED SIGN
PROPOSED LIGHT POLE
PROPOSED BOLLARD
PROPOSED ADA DETECTABLE WARNING FIELD
PROPOSED HANDICAP PARKING

ABBREVIATIONS
TC - TOP OF CURB
FF - FINISHED FLOOR
FL - FLOW LINE
SW - TOP OF WALK
TW - TOP OF WALL
BW - BOTTOM OF WALL

CONSTRUCTION AND GENERAL NOTES:

- 1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER AND ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FOR THE LOCATION SHOWN ON THE PLANS.
2. CONTRACTOR SHALL KEEP ALL STREETS CLEAR OF CONSTRUCTION RELATED DIRT/DUST/DEBRIS.
3. THESE DRAWINGS ASSUME THAT CONTRACTOR WILL UTILIZE AN ELECTRONIC DRAWING FILE AND STAKE ALL SITE IMPROVEMENTS USING COORDINATES TIED INTO CONTROL POINTS. THE DIMENSIONS INDICATED ON THE DRAWINGS ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.
4. PRIOR TO THE USE OF THE DRAWINGS FOR CONSTRUCTION PURPOSES, THE USER SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF BUILDINGS WITH THE FOUNDATION DRAWINGS AND ARCHITECTURAL PLANS. IF CONFLICTS EXIST THE USER OF THESE DRAWINGS SHALL CONTACT THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL NOTIFY THE OWNER, ENGINEER AND THE CITY OF WATERLOO A MINIMUM OF 48 HOURS IN ADVANCE OF PERFORMING ANY WORK.
6. ALL DIMENSIONS GIVEN ARE TO FACE OF CURB OR EDGE OF PAVEMENT WHEN CURB IS ABSENT.
7. CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADE SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
8. SEE DETAIL SHEETS FOR EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.
9. ACCESSIBLE ROUTES SHALL BE 5% MAX LONGITUDINAL SLOPE AND 2% MAX CROSS SLOPE. ACCESSIBLE LOADING AREAS OR LANDINGS SHALL BE 2% MAX IN ANY DIRECTION. RAMPS SHALL BE 8.33% MAX.
10. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF DSPS AND OTHER LOCAL INSPECTORS.
11. SANITARY SEWER MAIN AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D 1785 - SDR 40 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO SPS 384.
12. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.
13. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.
14. NO PERSON MAY ENGAGE IN WORK AT PLUMBING IN THE STATE UNLESS LICENSED TO DO SO.
15. SITE CONTRACTOR SHALL LEAVE UTILITY CONNECTIONS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE AND EXACT LOCATION OF PROPOSED UTILITY.
16. CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
17. PROPOSED UTILITY SERVICE LINES AS SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATION, SIZE, AND IE WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATIONS WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES DAMAGED WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTACT ENGINEER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
19. ALL WATER MAIN AND SERVICE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
20. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.

AGENCIES:

EMERGENCY - FIRE, RESCUE, AMBULANCE, POLICE DIAL 911

UNITED STATES POST OFFICE
241 W MADISON ST
WATERLOO, WI 53594
PHONE: 920-478-4335

WATERLOO POLICE DEPARTMENT
136 N MONROE ST
WATERLOO, WI 53594
PHONE: 920-478-2343 NON-EMERGENCY

WATERLOO FIRE DEPARTMENT
900 INDUSTRIAL LANE
WATERLOO, WI 53594
PHONE: 920-478-2535 NON-EMERGENCY

UTILITIES:

CITY OF WATERLOO - PUBLIC WORKS DIRECTOR
136 N MONROE ST
WATERLOO, WI 53594
GARY YERGES
PHONE: 920-478-9797

WATERLOO UTILITIES
575 COMMERCIAL AVE
WATERLOO, WI 53594
EUGENE WEIHERT
PHONE: 920-478-2260

General Notes and Legends

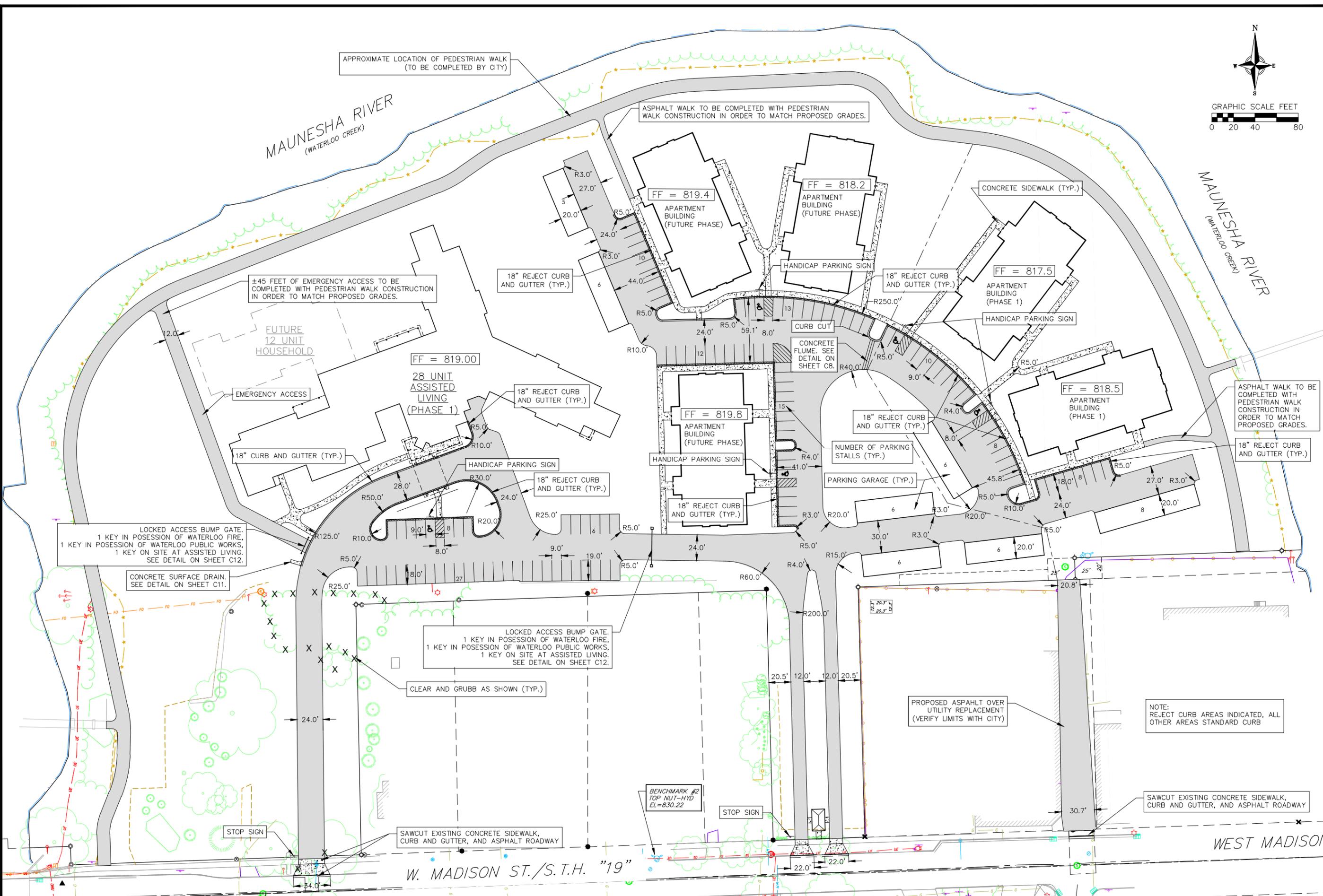
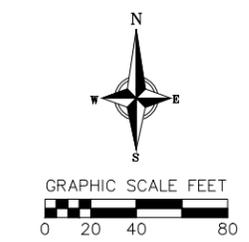
Riverwalk Redevelopment
City of Waterloo
Jefferson County, Wisconsin

Table with 2 columns: REVISIONS, NO., DATE, REMARKS

Table with 2 columns: SCALE AS SHOWN, DATE, DRAFTER, CHECKED, PROJECT NO.

vierblicher
planners | engineers | advisors
999 Federal Drive, Suite 201, Madison, Wisconsin 53717
Phone: (608) 824-0532 Fax: (608) 824-0530

MAUNESHA RIVER
(WATERLOO CREEK)



APPROXIMATE LOCATION OF PEDESTRIAN WALK
(TO BE COMPLETED BY CITY)

ASPHALT WALK TO BE COMPLETED WITH PEDESTRIAN
WALK CONSTRUCTION IN ORDER TO MATCH PROPOSED GRADES.

±45 FEET OF EMERGENCY ACCESS TO BE
COMPLETED WITH PEDESTRIAN WALK CONSTRUCTION
IN ORDER TO MATCH PROPOSED GRADES.

FUTURE
12 UNIT
HOUSEHOLD

FF = 819.00
28 UNIT
ASSISTED
LIVING
(PHASE 1)

FF = 819.4
APARTMENT
BUILDING
(FUTURE PHASE)

FF = 818.2
APARTMENT
BUILDING
(FUTURE PHASE)

FF = 817.5
APARTMENT
BUILDING
(PHASE 1)

FF = 818.5
APARTMENT
BUILDING
(PHASE 1)

FF = 819.8
APARTMENT
BUILDING
(FUTURE PHASE)

LOCKED ACCESS BUMP GATE.
1 KEY IN POSSESSION OF WATERLOO FIRE,
1 KEY IN POSSESSION OF WATERLOO PUBLIC WORKS,
1 KEY ON SITE AT ASSISTED LIVING.
SEE DETAIL ON SHEET C12.

LOCKED ACCESS BUMP GATE.
1 KEY IN POSSESSION OF WATERLOO FIRE,
1 KEY IN POSSESSION OF WATERLOO PUBLIC WORKS,
1 KEY ON SITE AT ASSISTED LIVING.
SEE DETAIL ON SHEET C12.

PROPOSED ASPHALT OVER
UTILITY REPLACEMENT
(VERIFY LIMITS WITH CITY)

NOTE:
REJECT CURB AREAS INDICATED, ALL
OTHER AREAS STANDARD CURB

SAWCUT EXISTING CONCRETE SIDEWALK,
CURB AND GUTTER, AND ASPHALT ROADWAY

SAWCUT EXISTING CONCRETE SIDEWALK,
CURB AND GUTTER, AND ASPHALT ROADWAY

W. MADISON ST./S.T.H. "19"

WEST MADISON

Demolition and Site Plan
Riverwalk Redevelopment
City of Waterloo
Jefferson County, Wisconsin

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

SCALE AS SHOWN

DATE 9/26/14

DRAFTER DEHL/BBAR

CHECKED MSCH

PROJECT NO. 130122.00

EROSION CONTROL MEASURES

- EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE CITY OF WATERLOO EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.
- CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (<http://dnr.wi.gov/runoff/stormwater/techstds.htm>) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
- INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR CITY. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
- EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
- A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF ROAD CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WISDNR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.
- CHANNELIZED RUNOFF:** FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS.
- STABILIZED DISTURBED GROUND:** ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25- FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 14-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.
- SITE DE-WATERING:** WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET, BE SURROUNDED BY SNOWFENCE OR EQUIVALENT BARRIER AND HAVE SUFFICIENT SURFACE AREA TO PROVIDE A SURFACE SETTLING RATE OF NO MORE THAN 750 GALLONS PER SQUARE FOOT PER DAY AT THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, A NEIGHBORING SITE, OR THE BED OR BANKS OF THE RECEIVING WATER. POLYMERS MAY BE USED AS DIRECTED BY DNR TECHNICAL STANDARD 1061 (DE-WATERING).
- IN NO CASE WILL RIP-RAP BE SMALLER THAN 3" TO 6".
- INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. ALL PROJECT AREA STORM INLETS NEED WISCONSIN D.O.T. TYPE D INLET PROTECTION. THE FILTERS SHALL BE MAINTAINED UNTIL THE CITY HAS ACCEPTED THE BINDER COURSE OF ASPHALT.
- USE DETENTION BASINS AS SEDIMENT BASINS DURING CONSTRUCTION (DO NOT USE INFILTRATION AREAS). AT THE END OF CONSTRUCTION, REMOVE SEDIMENT AND RESTORE PER PLAN.
- RESTORATION (SEED, FERTILIZE AND MULCH) SHALL BE PER SPECIFICATIONS ON THIS SHEET UNLESS SPECIAL RESTORATION IS CALLED FOR ON THE LANDSCAPE PLAN.
- TERRACES SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZER AND MULCH. LOTS SHALL BE RESTORED WITH 6" TOPSOIL, TEMPORARY SEED, FERTILIZER AND MULCH.
- AFTER DETENTION BASIN GRADING IS COMPLETE, THE BOTTOM OF DRY BASINS SHALL RECEIVE 6" TOPSOIL AND SHALL BE CHISEL-PLOWED TO A MINIMUM DEPTH OF 12" PRIOR TO RESTORATION.
- SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
- FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
- EROSION MAT (TYPE 1 CLASS A URBAN PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER BUT LESS THAN 1:1.
- EROSION MAT (TYPE I, CLASS B URBAN PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON THE BOTTOM (INVERT) OF ROADSIDE DITCHES/SWALES AS SHOWN ON THIS PLAN, 1 ROLL WIDTH.
- SILT FENCE OR EROSION MAT SHALL BE INSTALLED ALONG THE CONTOURS AT 100 FOOT INTERVALS DOWN THE SLOPE ON THE DISTURBED SLOPES STEEPER THAN 5% AND MORE THAN 100 FEET LONG THAT SHEET FLOW TO THE ROADWAY UNLESS SOIL STABILIZERS ARE USED.
- INSTALL MINIMUM 6'-7' WIDE EROSION MAT ALONG THE BACK OF CURB AFTER TOPSOIL HAS BEEN PLACED IN THE TERRACE IF THIS AREA WILL NOT BE SEEDED AND MULCHED WITHIN 48 HOURS OF PLACING TOPSOIL.
- SILT FENCE TO BE USED ACROSS AREAS OF THE LOT THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY. SEE DETAILS.
- SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
- ACCUMULATED CONSTRUCTION SEDIMENT SHALL BE REMOVED FROM ALL PERMANENT BASINS TO THE ELEVATION SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF DRAINAGE AREAS.
- ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
- ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY ROCK COUNTY LAND CONSERVATION OR PERMITTING MUNICIPALITY.
- THE CITY, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.

CONSTRUCTION SEQUENCE:

- INSTALL SILT FENCE AND TRACKING PAD
- STRIP TOPSOIL-DETENTION BASINS
- ROUGH GRADE DETENTION BASINS
- SEED DETENTION BASINS
- STRIP TOPSOIL LOT
- ROUGH GRADE LOT
- SEED LOT AREAS
- CONSTRUCT UNDERGROUND UTILITIES
- INSTALL INLET PROTECTION
- CONSTRUCT BUILDINGS
- CONSTRUCT ROADS (STONE BASE, CURB & GUTTER, AND SIDEWALK).
- RESTORE TERRACES
- REMOVE TRACKING PAD, SILT FENCE AND INLET PROTECTION AFTER DISTURBED AREAS ARE RESTORED

SEEDING RATES:

TEMPORARY:

- USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
- USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 15.

PERMANENT:

- USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F. UNLESS SPECIFIED ON LANDSCAPE PLAN

FERTILIZING RATES:

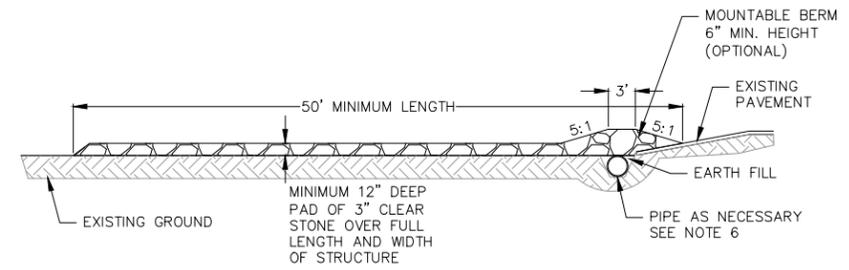
TEMPORARY AND PERMANENT:

- USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.

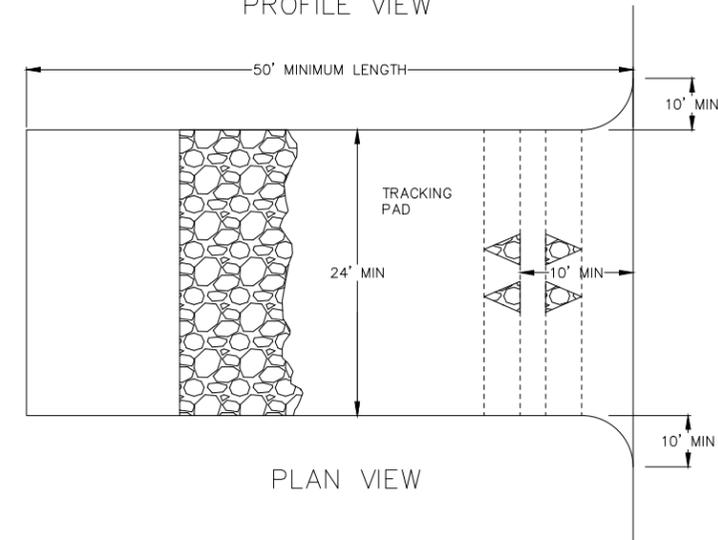
MULCHING RATES:

TEMPORARY AND PERMANENT:

- USE 1/2" TO 1-1/2" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION



PROFILE VIEW



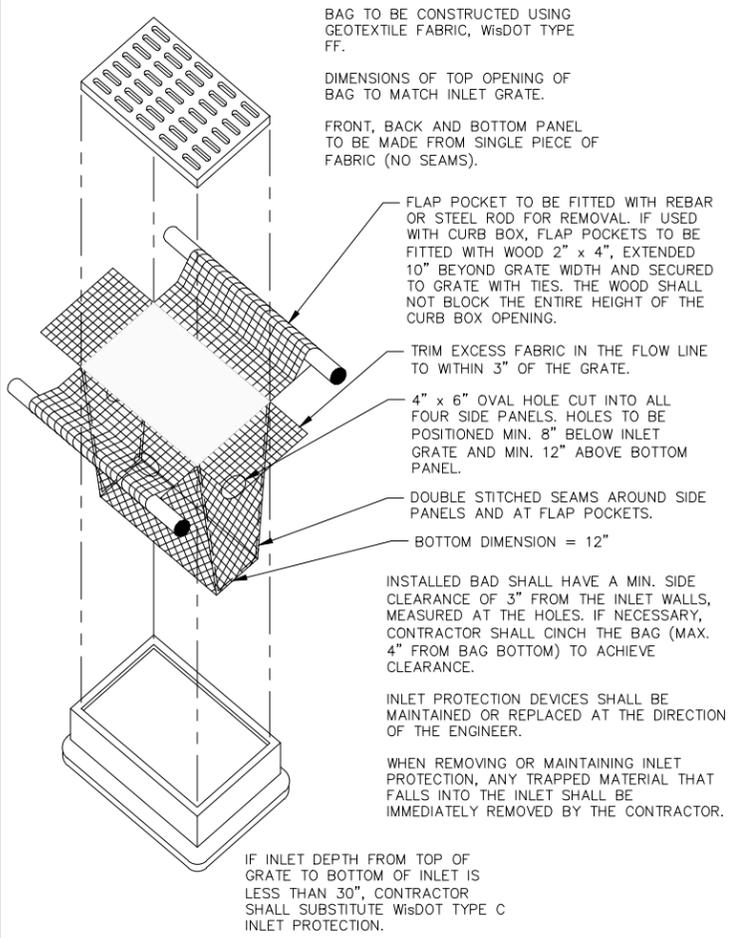
PLAN VIEW

- FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1057 FOR FURTHER DETAILS AND INSTALLATION.
- LENGTH - MINIMUM OF 50'.
- WIDTH - 24' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- ON SITES WITH A HIGH GROUND WATER TABLE OR WHERE SATURATED CONDITIONS EXIST, GEOTEXTILE FABRIC SHALL BE PLACED OVER EXISTING GROUND PRIOR TO PLACING STONE. FABRIC SHALL BE WISDOT TYPE-HR GEOTEXTILE FABRIC.
- STONE - CRUSHED 3" CLEAR STONE SHALL BE PLACED AT LEAST 12" DEEP OVER THE ENTIRE LENGTH AND WIDTH OF ENTRANCE.
- SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARDS 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" STONE OVER THE PIPE. PIPE SHALL BE SIZED ACCORDING TO THE DRAINAGE REQUIREMENTS. WHEN THE ENTRANCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE SHALL NOT BE NECESSARY. THE MINIMUM PIPE DIAMETER SHALL BE 6". CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF SAID PIPE.
- LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS AND/OR LEAVES THE CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE TRACKING PAD.

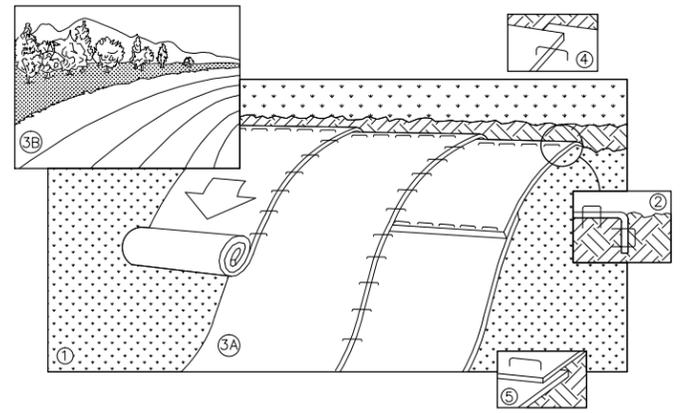
1 TRACKING PAD
1 NOT TO SCALE

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CHECKED	MSCH
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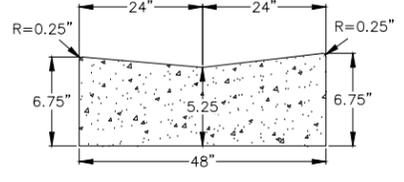


1 INLET PROTECTION TYPE D
1 NOT TO SCALE

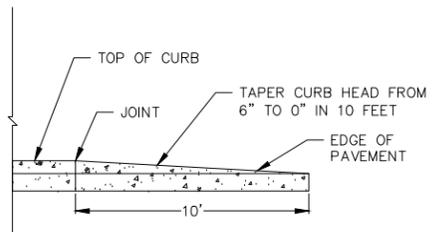


- NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 3. ROLL THE BLANKETS <A.> DOWN, OR <B.> HORIZONTALLY ACROSS THE SLOPE.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
 5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
 6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

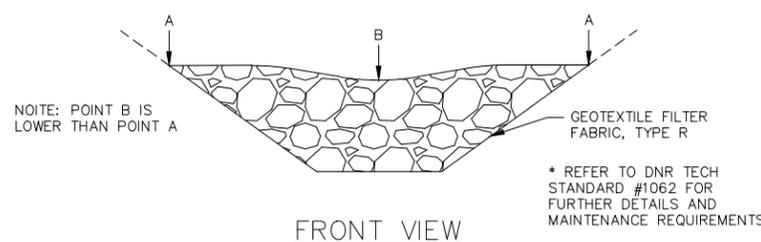
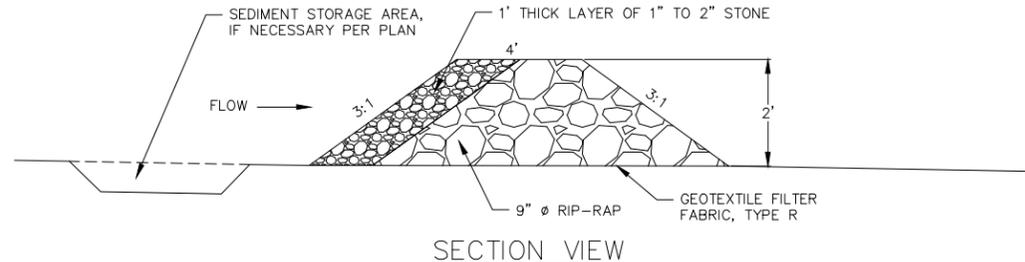
1 EROSION MAT
1 NOT TO SCALE



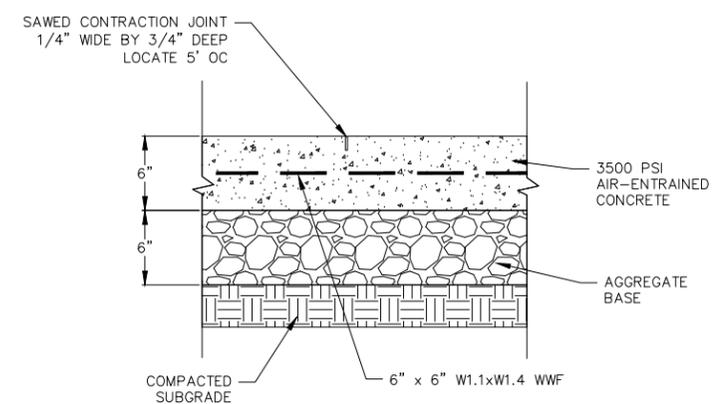
1 CONCRETE FLUME
1 NOT TO SCALE



1 CURB & GUTTER TERMINATION
1 NOT TO SCALE



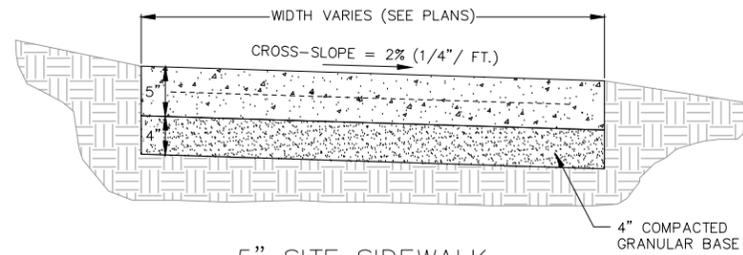
1 WEEPER
1 NOT TO SCALE



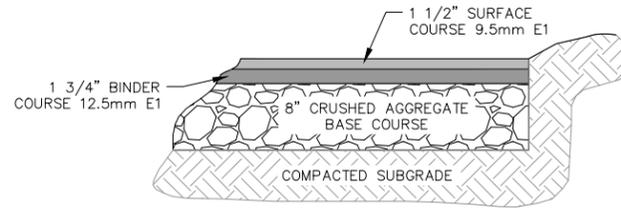
1 CONCRETE PAD
1 NOT TO SCALE

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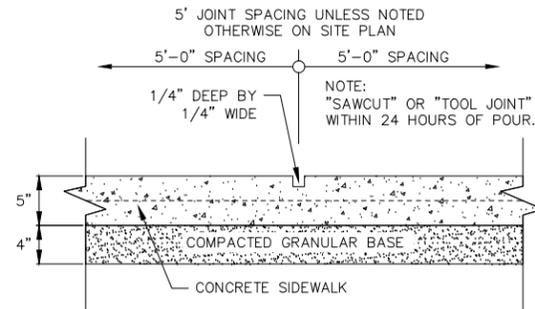


5" SITE SIDEWALK

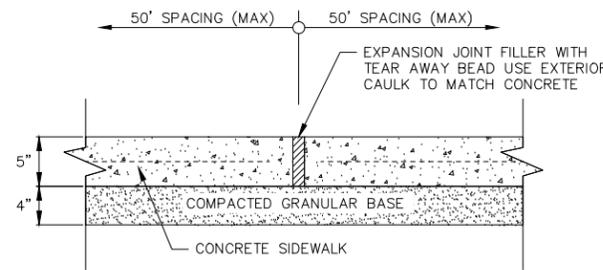


BITUMINOUS PAVEMENT - STANDARD

1 SITE PAVEMENT
1 NOT TO SCALE

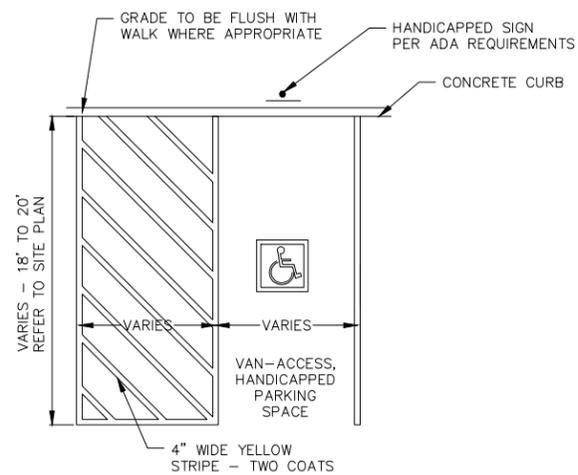


SIDEWALK CONTROL JOINT

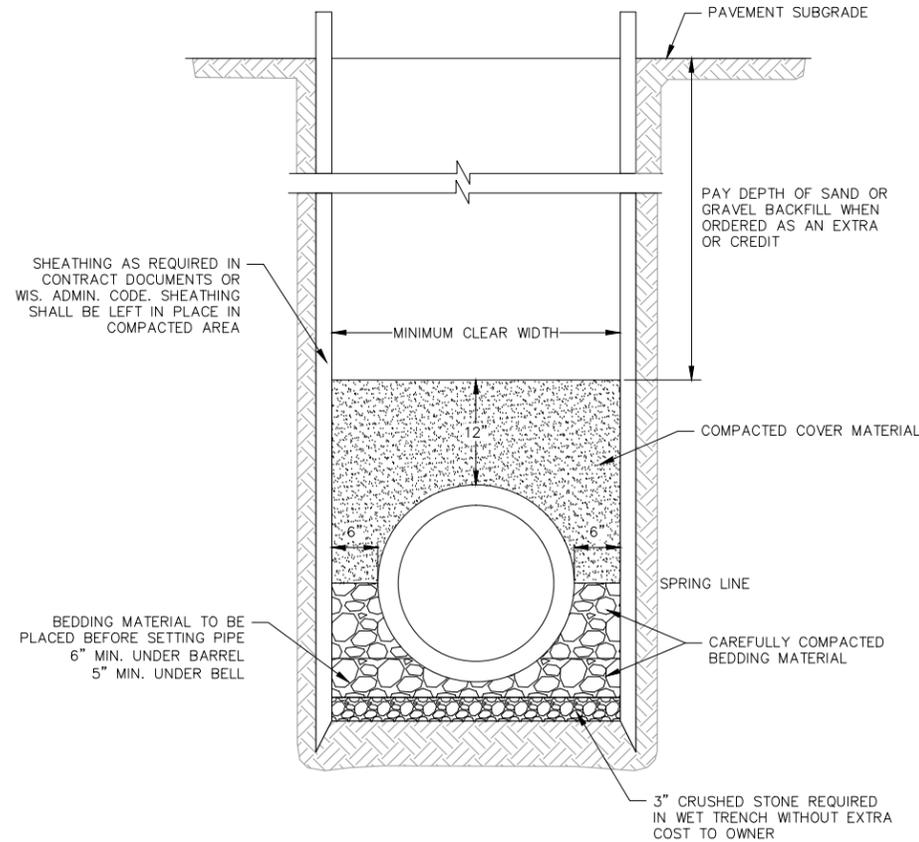


SIDEWALK EXPANSION JOINT

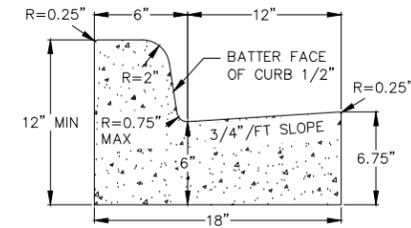
1 5" SIDEWALK
1 NOT TO SCALE



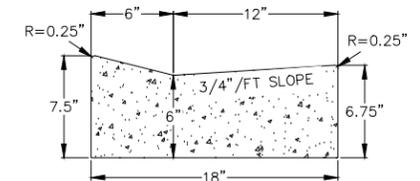
1 HANDICAP STRIPING
1 NOT TO SCALE



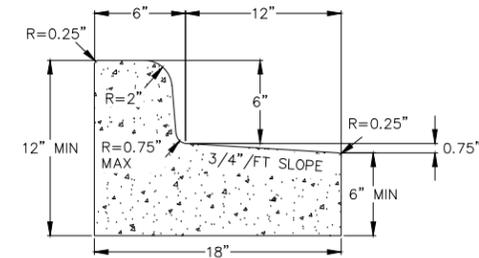
1 CLASS B BEDDING COMPACTED SECTION
1 NOT TO SCALE



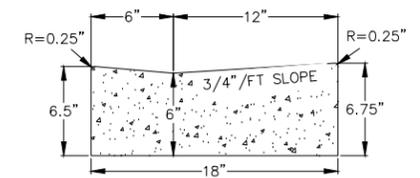
CURB AND GUTTER CROSS SECTION



DRIVEWAY GUTTER CROSS SECTION



CURB AND GUTTER REJECT SECTION

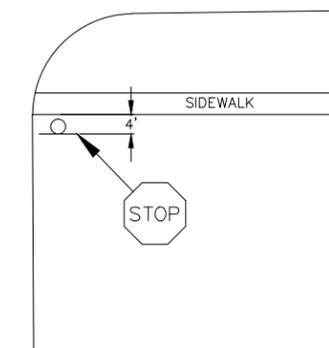


HANDICAP RAMP GUTTER CROSS SECTION

1 18" CONCRETE CURB AND GUTTER
1 NOT TO SCALE

SIGNAGE NOTES:

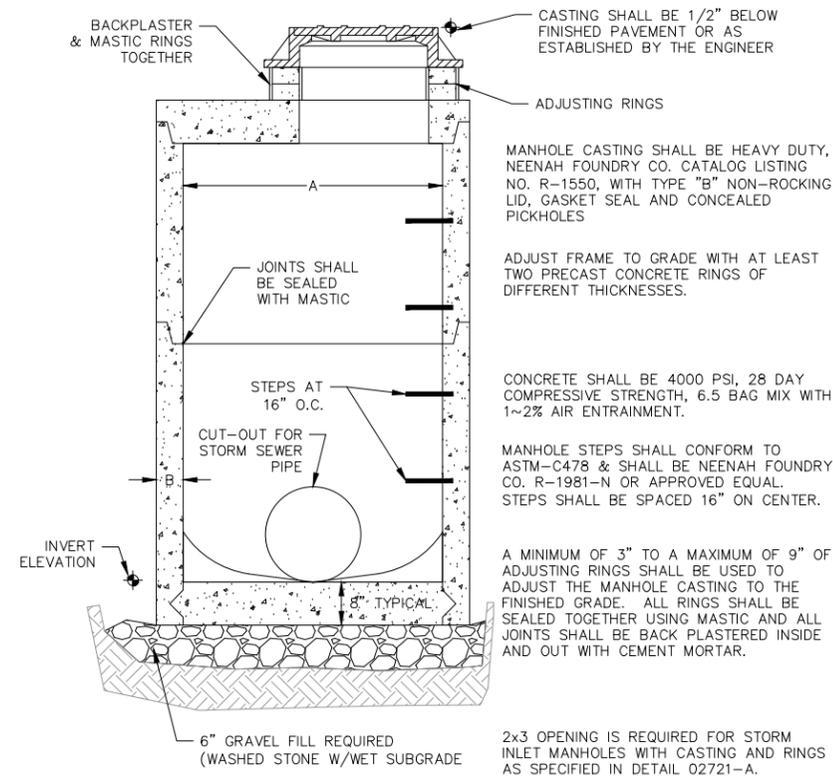
- ALL SIGNS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- SIGNS SHALL BE A DISTANCE OF 7' FROM GROUND LEVEL TO THE BOTTOM OF THE SIGN MOUNTED ON THE POST AND LOCATED 3' BEHIND THE EDGE OF PAVEMENT.
- STREET NAME SIGNS SHALL HAVE WHITE LETTERS AND GREEN BACKGROUND.
- SIGN POSTS SHALL BE 2-3/8" O.D., GALVANIZED 10 FT LONG, 13 GAUGE, AND 0.095 WALL THICKNESS. MOUNT SIGN AT TOP OF THE POST, AND INSTALL POSTS 3' DEEP AND MIX 1/2 BAG OF 80 LB SAKRETE CONCRETE, POURING IT AROUND THE POST BELOW THE GROUND BEFORE COVERING WITH 8" OF TOPSOIL.



1 STOP SIGN
1 NOT TO SCALE

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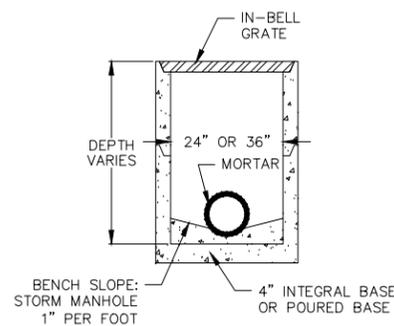
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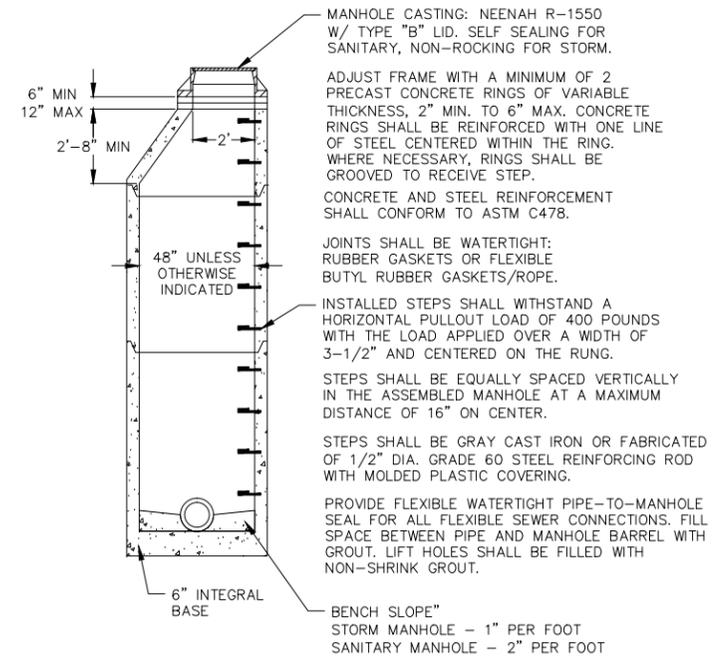
STORM MANHOLE DIMENSIONS

MANHOLE SIZE	DIMENSION	
	A	B (MIN.)
48"	48"	5"
60"	60"	6"
72"	72"	7"
84"	84"	7"
96"	96"	9"

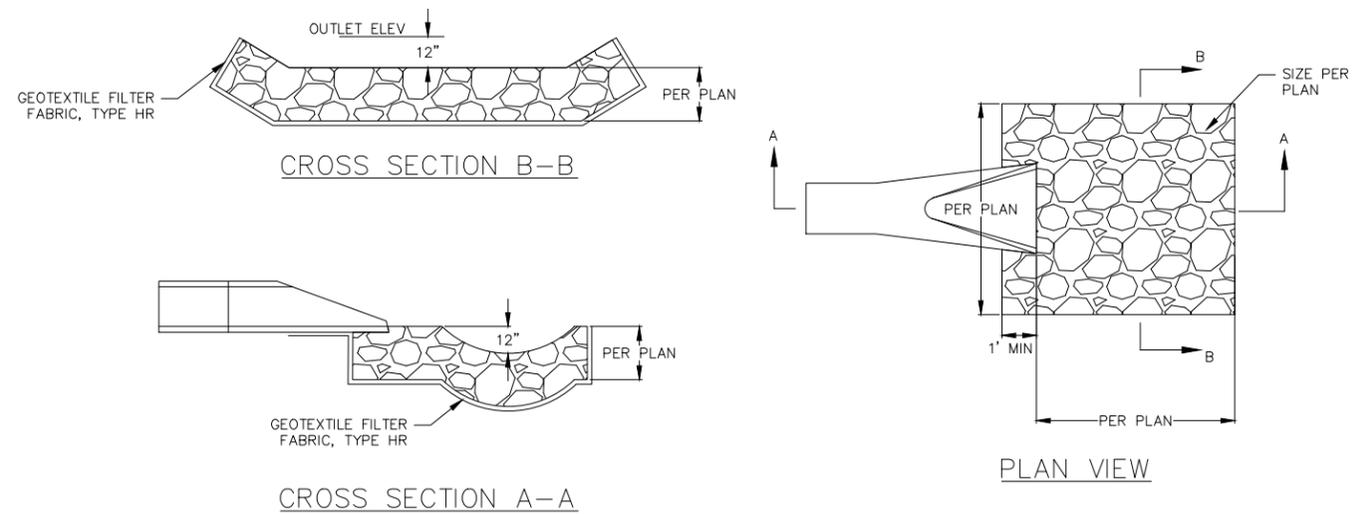
1 STORM SEWER MANHOLE
1 NOT TO SCALE



1 24" OR 36" FIELD INLET
1 NOT TO SCALE



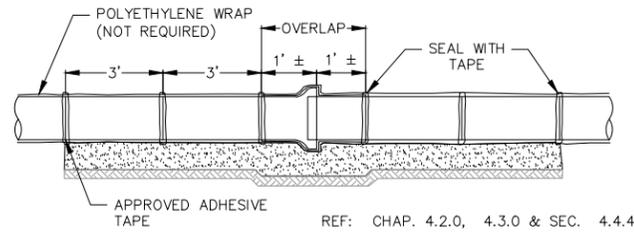
1 PRECAST CONCRETE MANHOLE
1 NOT TO SCALE



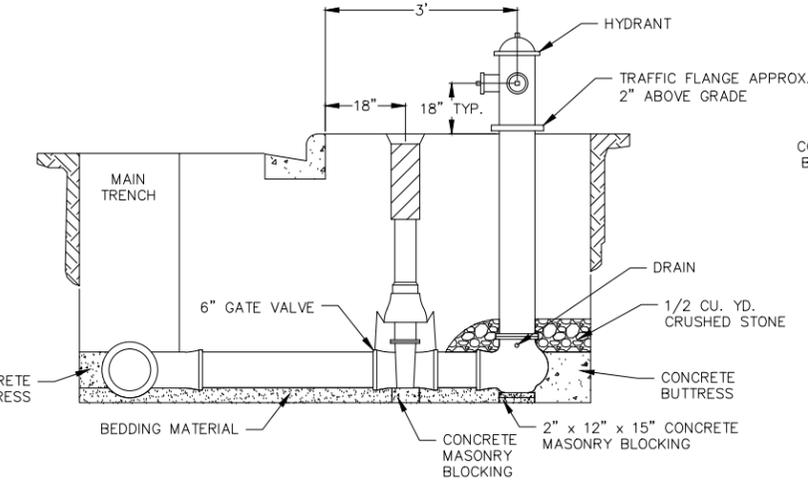
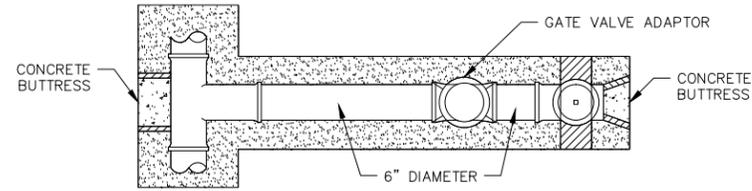
1 RIP-RAP OUTLET
1 NOT TO SCALE

REVISIONS	NO.	DATE	REMARKS

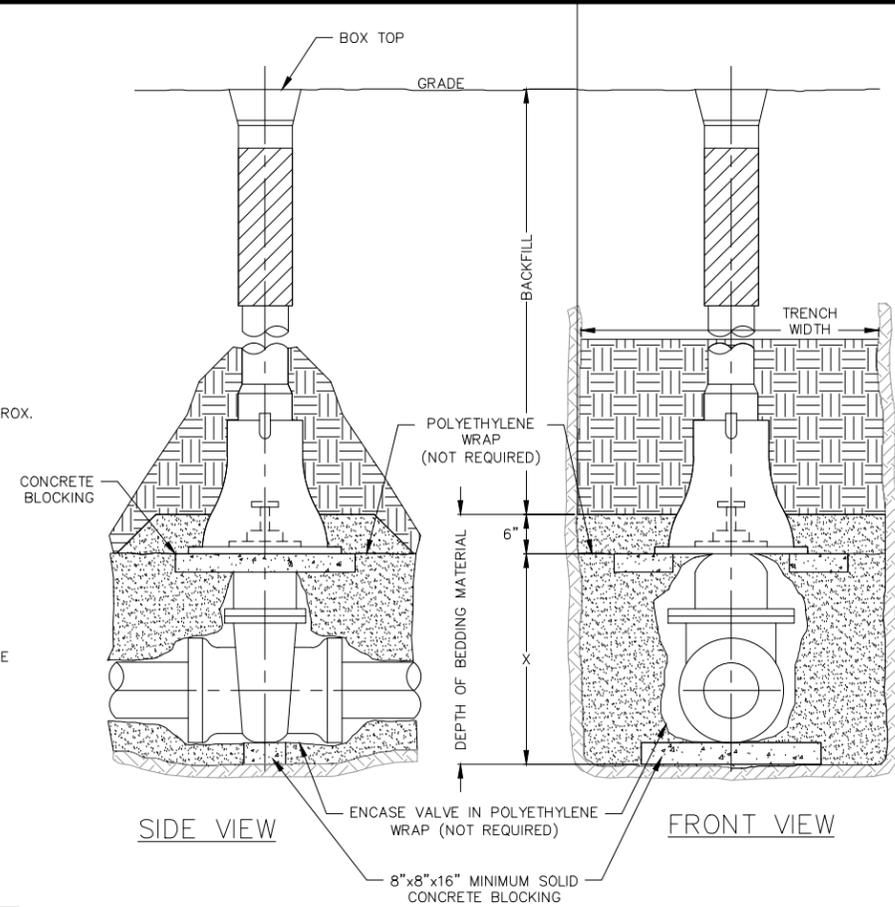
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REF: CHAP. 4.2.0, 4.3.0 & SEC. 4.4.4

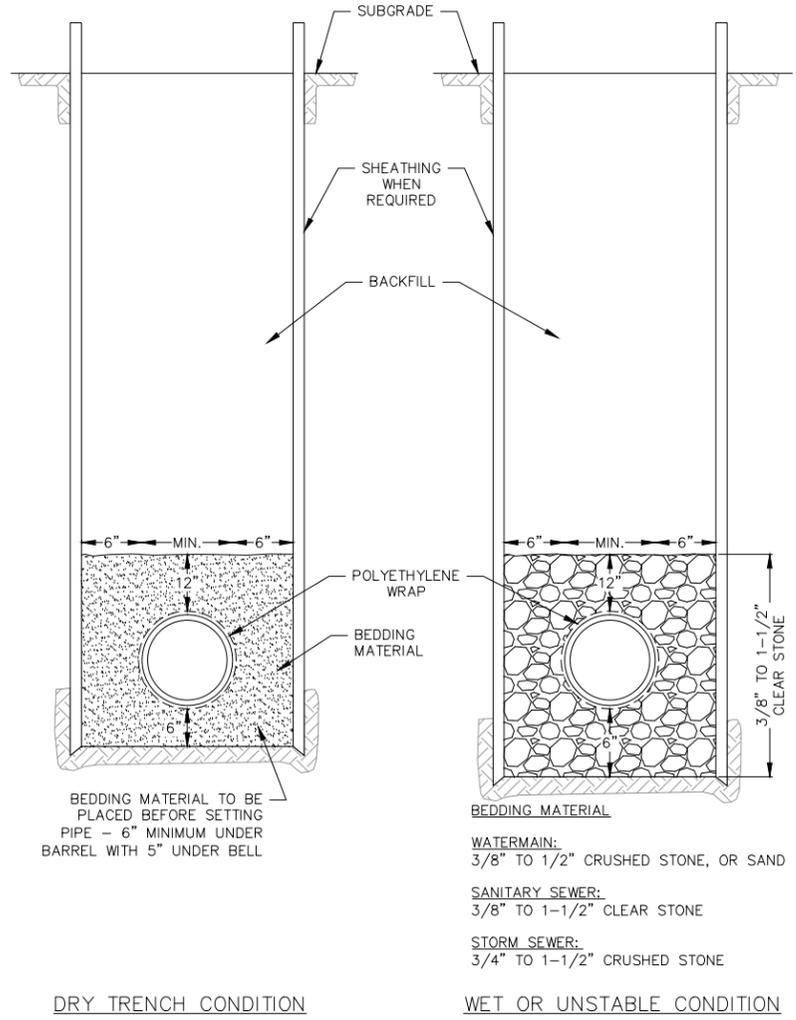


1 STANDARD HYDRANT SETTING
1 NOT TO SCALE

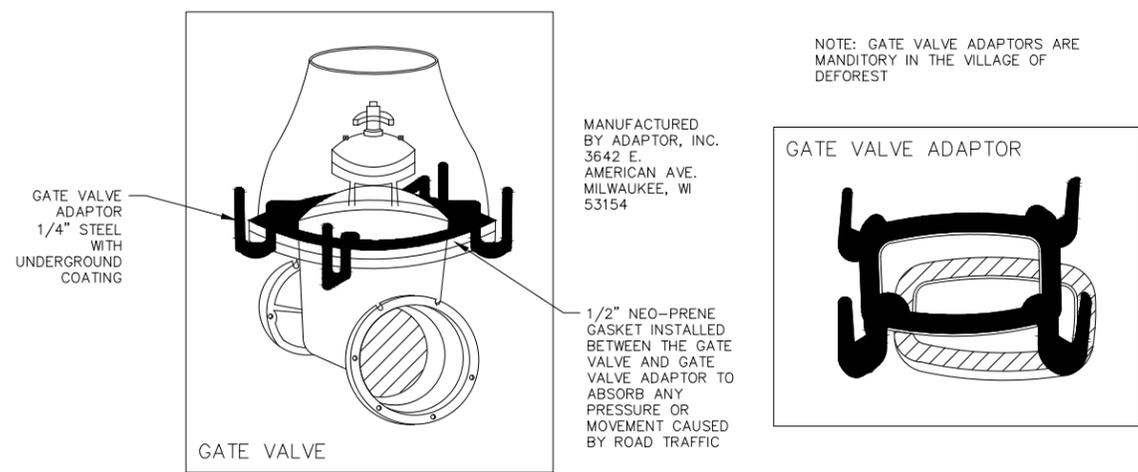


1 STANDARD GATE VALVE BOX SETTING
1 NOT TO SCALE

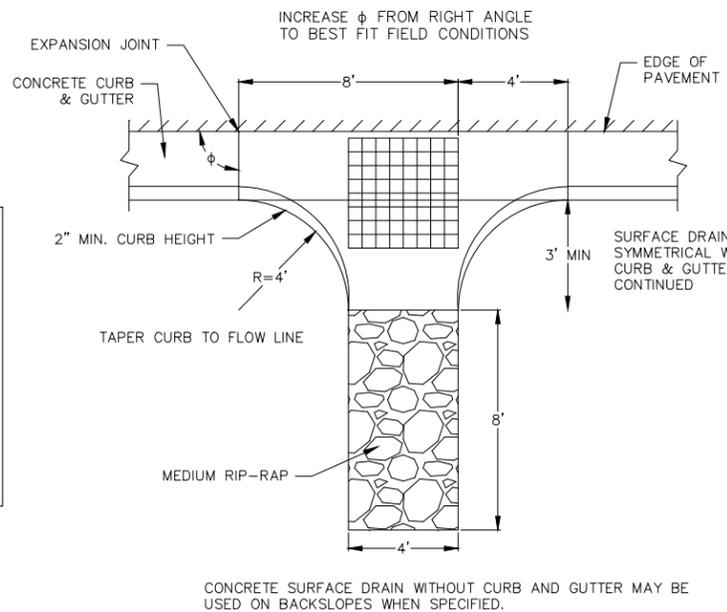
1 STANDARD WATERMAIN TRENCH SECTION
1 NOT TO SCALE



1 STANDARD TRENCH SECTION
1 NOT TO SCALE



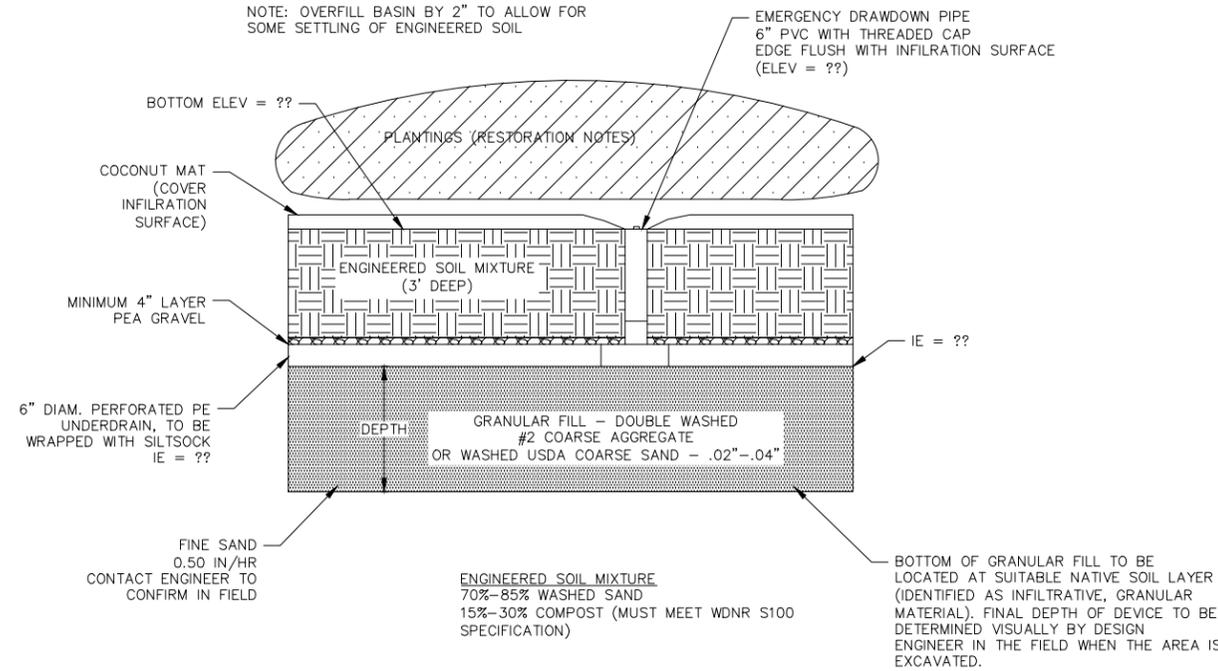
1 GATE VALVE AND GATE VALVE ADAPTOR
1 NOT TO SCALE



1 CONCRETE SURFACE DRAIN
1 NOT TO SCALE

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1 BIO-RETENTION BASIN
1 NOT TO SCALE

BIO-RETENTION AREA RESTORATION SPECIFICATIONS:
NOTE: BIO-RETENTION AREA MUST NOT BE CONSTRUCTED (INSTALLED) UNTIL THE SITE IS STABILIZED, I.E. THE GRASS COVER IS WELL ESTABLISHED.

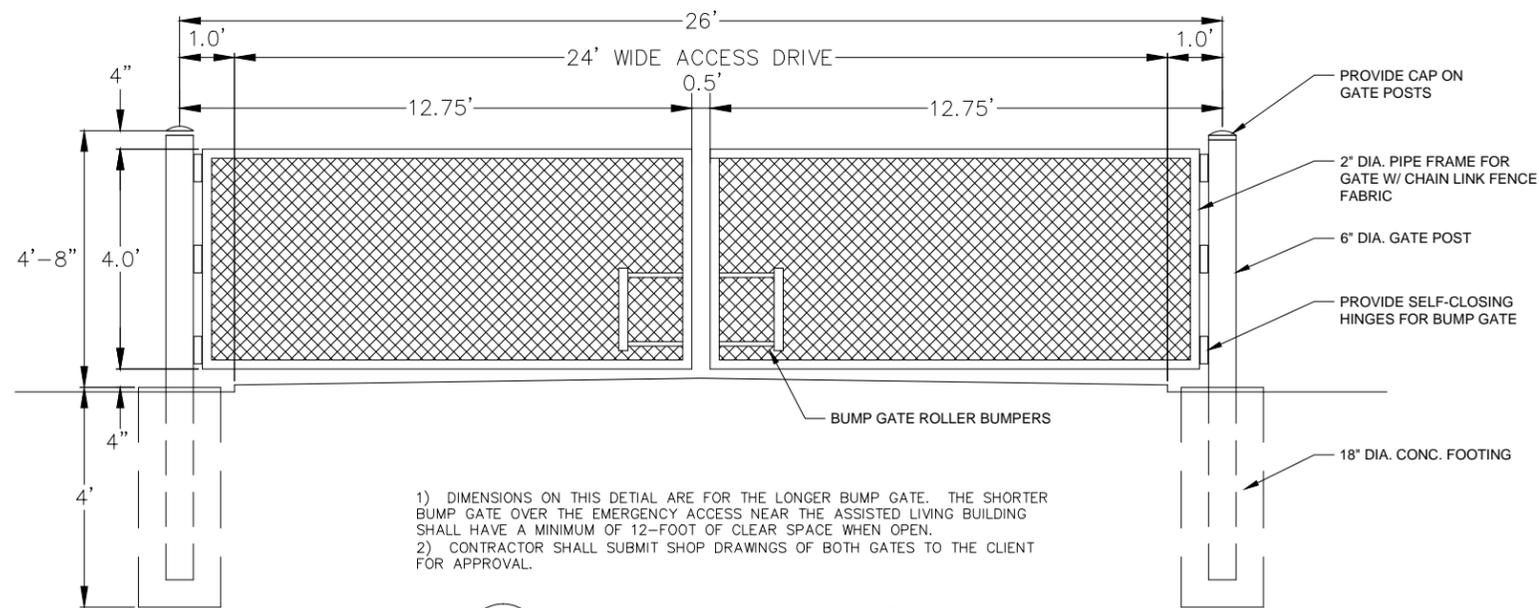
BIO-RETENTION AREA MUST CONFORM TO WISCONSIN DNR TECHNICAL STANDARD 1004 (BIORETENTION FOR INFILTRATION)

USE RAINWATER GARDEN LIVE NATIVE PLANT PLUGS FROM AGRECOL (SUNNY, SHORT, OR MEDIUM STATURE) - OR ENGINEER APPROVED EQUAL.

PLANT PLUGS AT 1 PER SQUARE FOOT.

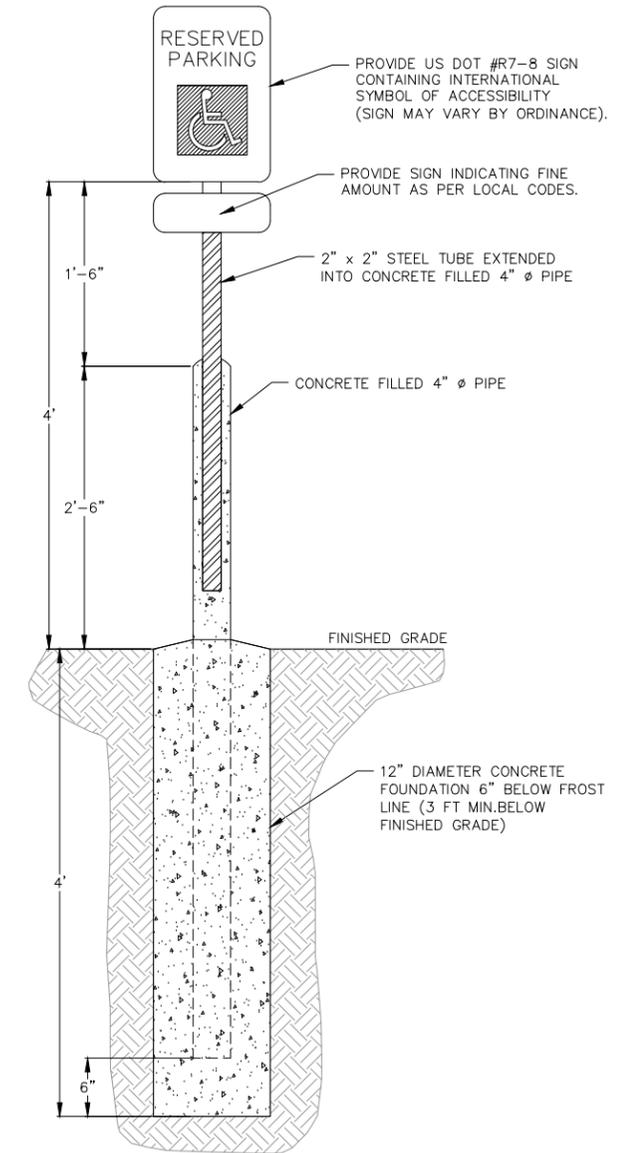
PLANTING, MULCH, AND MAINTENANCE NOTES:
PLANTING SHOULD TAKE PLACE BETWEEN AVAILABILITY OF PLANTS IN SPRING AND JUNE 30TH, OR BETWEEN SEPTEMBER 1ST AND OCTOBER 15TH. IF PLANTED JULY 1ST THROUGH AUGUST 31ST, HEAVILY WATER THE PLANTS AT THE TIME THEY ARE PLANTED, AND EVERY OTHER DAY FOR A TOTAL OF 4 WATERINGS. A RAIN EVENT GREATER THAN 0.5 INCHES CONSTITUTES A WATERING. IF PLANTED SEPTEMBER 1ST THROUGH OCTOBER 15TH, PLACE CERTIFIED WEED-FREE STRAW MULCH AT 3" MINIMUM THICKNESS BETWEEN PLANTS TO HELP PREVENT FROST HEAVE. IF PLANTING IS TO OCCUR AFTER OCTOBER 15TH, IT MUST BE POSTPONED UNTIL THE FOLLOWING SPRING (MAY). FOR THE FIRST 3 YEARS AFTER PLANTING, SPOT TREAT THE AREA WITH HERBICIDE TO REMOVE WEEDS.

RESTORATION OF THE INFILTRATION AREA (NOT INCLUDING SIDE SLOPES):
1. OVER-EXCAVATE THE AREA TO INFILTRATIVE LAYER TO BE DETERMINED IN THE FIELD, DURING EXCAVATION, BY DESIGN ENGINEER.
2. CHISEL PLOW, OR ROTO-TILL THE BASE OF THE AREA TO BREAK UP ANY HARDPAN IN THE NATIVE SOIL LAYER.
3. PLACE WASHED SAND (FREE OF P200 PARTICLES) TO 46 INCHES BELOW GROUND SURFACE (IF REQUIRED).
4. PLACE 36 INCHES OF ENGINEERED SOIL, COMPRISED OF:
70-85% WASHED SAND
15-30% COMPOST (MUST MEET WDNR S100 SPECIFICATION)
5. PLANT PLUG, MULCH, WATER, AND MAINTAIN AS DIRECTED ABOVE.



1) DIMENSIONS ON THIS DETAIL ARE FOR THE LONGER BUMP GATE. THE SHORTER BUMP GATE OVER THE EMERGENCY ACCESS NEAR THE ASSISTED LIVING BUILDING SHALL HAVE A MINIMUM OF 12-FOOT OF CLEAR SPACE WHEN OPEN.
2) CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF BOTH GATES TO THE CLIENT FOR APPROVAL.

1 LOCKED BUMP GATE
1 NOT TO SCALE



1 HANDICAP PARKING SIGN
1 NOT TO SCALE

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SCALE AS SHOWN

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