

EROSION CONTROL NOTES

- CONSTRUCTION SITE EROSION CONTROL AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF WAUKESHA, AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) "CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS".
- ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE EVERY WEEK. MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. REPAIRS AND MAINTENANCE SHALL BE COMPLETED WITHIN 24 HOURS OF INSPECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT WHEN LEAVING PROPERTY. EROSION CONTROL MEASURES MUST BE IN WORKING CONDITION AT END OF EACH WORK DAY.
- SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. SEDIMENT DEPOSITS WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN DEPOSITS REACH A DEPTH OF 6 INCHES. THE SILT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
- FILTER FABRIC SHALL BE INSTALLED BENEATH INLET COVERS TO TRAP SEDIMENT AS PER INLET PROTECTION DETAIL IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.
- CRUSHED STONE ENTRANCE SHALL BE MAINTAINED BY TURNING OVER THE STONE OR BY PLACING NEW STONE ONCE THE SURFACE BECOMES CLOGGED WITH SEDIMENT.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
- PERIODIC STREET SWEEPING SHALL BE COMPLETED TO MAINTAIN THE PUBLIC STREET FREE OF DUST AND DIRT.
- SILT FENCE SHALL BE INSTALLED IN HORSESHOE FASHION AROUND ALL TOPSOIL AND FILL STOCKPILES. NOTIFY CITY OF WAUKESHA OF ANY NEW STOCKPILE LOCATIONS.
- CONSTRUCTION SEQUENCE FOR EROSION CONTROL INCLUDES:
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 - INSTALL SILT FENCE AND INLET PROTECTION.
 - STRIP TOPSOIL IN TEMPORARY SEDIMENT BASIN AREA.
 - INSTALL SEDIMENT BASIN AND OUTLET CONTROL STRUCTURE. STABILIZE IMMEDIATELY AFTER INSTALLATION.
 - STRIP TOPSOIL AND INSTALL TEMPORARY DIVERSIONS TO DIRECT RUNOFF TO SEDIMENT BASIN.
 - STRIP TOPSOIL FROM REMAINDER OF SITE.
 - PERFORM ROUGH GRADING AND BUILDING EXCAVATION. ADJUST DIVERSION DITCHES AS NEEDED TO MAINTAIN DRAINAGE TO SEDIMENT BASIN.
 - INSTALL UTILITIES. INSTALL INLET PROTECTION ON NEW INLETS. INSTALL RIPRAP AT NEW OUTFALLS.
 - CONSTRUCT BUILDING.
 - INSTALL PAVEMENTS.
 - INSTALL LANDSCAPING ON COMPLETED SITE WITHIN 7 DAYS OF COMPLETING CONSTRUCTION.
 - REMOVE TEMPORARY SEDIMENTATION BASIN.
 - REMOVE EROSION CONTROL MEASURES ONLY WHEN SITE IS FULLY STABILIZED.
- SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASINS OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICES SPECIFIED IN THE WDNR "CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS". WATER SHALL NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, ADJACENT SITES, OR RECEIVING CHANNELS.
- WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- TRACKING. EACH SITE SHALL HAVE GRAVELED ROADS, ACCESS DRIVES AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING. TO THE SATISFACTION OF THE CITY, BEFORE THE END OF EACH WORKDAY. FLUSHING MAY NOT BE USED UNLESS SEDIMENT WILL BE CONTROLLED BY SEDIMENT BASIN OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE SPECIFIED IN THE WDNR "CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS". NOTIFY CITY OF WAUKESHA FOR CHANGES IN STABILIZED CONSTRUCTION ENTRANCE LOCATION.
- SEDIMENT CLEANUP. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORK DAY.
- ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN OR MORE DAYS SHALL BE STABILIZED BY TEMPORARY OR PERMANENT SEEDING, AND MULCHING SODDING, COVERING WITH TARPS, OR EQUIVALENT BEST MANAGEMENT PRACTICES. IF TEMPORARY SEEDING IS USED, A PERMANENT COVER SHALL ALSO BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION. SEEDING OR SODDING SHALL BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION.
- PERMANENT SEEDING SHALL BE ESTABLISHED NO LATER THAN SEPTEMBER 15TH. IF PERMANENT SEEDING IS NOT ESTABLISHED, TEMPORARY SEEDING SHALL BE ESTABLISHED NO LATER THAN OCTOBER 15TH. ALL SEEDING AREAS MUST BE MULCHED AT A RATE OF 1.5 TO 2 TONS PER ACRE AND ANCHORED BY EITHER CRIMPING OR BY APPLYING A TACKIFIER.
- PERMANENT SEED MIX SHALL BE WISDOT SEED MIX NO. 40 AT 7 POUNDS PER 1000 SQUARE FEET.
- USE ANNUAL RYE SEED MIX AT 100 POUNDS PER ACRE AS A TEMPORARY SEED MIX. PERMANENT SEEDING SHALL FOLLOW WITHIN ONE YEAR. IF TEMPORARY SEEDING IS NOT ESTABLISHED BY OCTOBER 15TH, USE CLASS 1 TYPE B MATTING ON ALL SLOPES 4:1 OR STEEPER.
- SOIL OR DIRT STORAGE PILES SHALL BE LOCATED A MINIMUM OF TWENTY-FIVE FEET FROM ANY DOWNSLOPE ROAD, LAKE, STREAM, WETLAND, OR DRAINAGE CHANNEL. STRAW BALE OR FILTER FABRIC FENCES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE PILE. IF REMAINING FOR MORE THAN THIRTY DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS, OR OTHER MEANS.
- WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BEST MANAGEMENT PRACTICES SUCH AS FILTER FABRIC FENCES, STRAW BALES, SEDIMENT AND SEDIMENT TRAPS SHALL BE REMOVED.
- NOTIFY THE CITY WITHIN TWO WORKING DAYS OF COMMENCING ANY LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.
- NOTIFY THE CITY OF COMPLETION OF ANY BEST MANAGEMENT PRACTICES WITHIN THE NEXT WORKING DAY AFTER THEIR INSTALLATION.
- OBTAIN PERMISSION IN WRITING FROM THE CITY OF WAUKESHA ENGINEERING DEPARTMENT PRIOR TO MODIFYING THE EROSION CONTROL PLAN. NOTIFY WDNR AT LEAST FIVE WORKING DAYS PRIOR TO IMPLEMENTING CHANGES TO THE EROSION CONTROL PLAN.
- REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM LAND DEVELOPMENT OR LAND DISTURBING ACTIVITIES.
- KEEP A COPY OF THE EROSION CONTROL PLAN ON SITE. INTERSECTING DIRECTIONS.

GENERAL NOTES

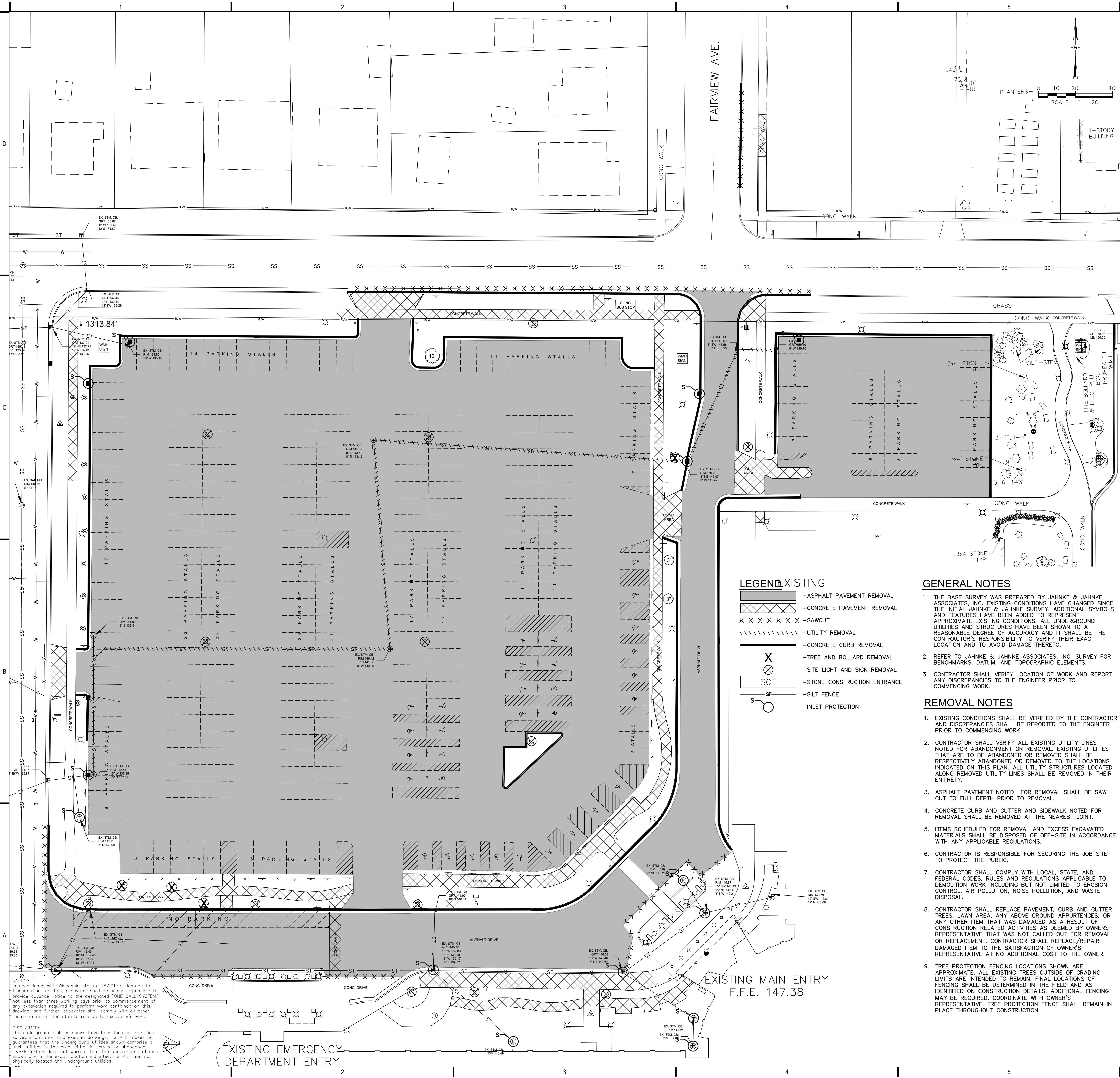
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- REFER TO JAHNKE & JAHNKE ASSOCIATES, INC. SURVEY FOR BENCHMARKS, DATUM, AND TOPOGRAPHIC ELEMENTS.
- CONTRACTOR SHALL VERIFY LOCATION OF WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

REMOVAL NOTES

- EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AND DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LINES NOTED FOR ABANDONMENT OR REMOVAL. EXISTING UTILITIES THAT ARE TO BE ABANDONED OR REMOVED SHALL BE RESPECTIVELY ABANDONED OR REMOVED TO THE LOCATIONS INDICATED ON THIS PLAN. ALL UTILITY STRUCTURES LOCATED ALONG REMOVED UTILITY LINES SHALL BE REMOVED IN THEIR ENTIRETY.
- ASPHALT PAVEMENT NOTED FOR REMOVAL SHALL BE SAW CUT TO FULL DEPTH PRIOR TO REMOVAL.
- CONCRETE CURB AND GUTTER AND SIDEWALK NOTED FOR REMOVAL SHALL BE REMOVED AT THE NEAREST JOINT.
- ITEMS SCHEDULED FOR REMOVAL AND EXCESS EXCAVATED MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR SECURING THE JOB SITE TO PROTECT THE PUBLIC.
- CONTRACTOR SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, RULES AND REGULATIONS APPLICABLE TO REMOVAL WORK INCLUDING BUT NOT LIMITED TO EROSION CONTROL, AIR POLLUTION, NOISE POLLUTION, AND WASTE DISPOSAL.
- CONTRACTOR SHALL REPLACE PAVEMENT, CURB AND GUTTER, TREES, LAWN AREA, ANY ABOVE GROUND APPURTENANCES, OR ANY OTHER ITEM THAT WAS DAMAGED AS A RESULT OF CONSTRUCTION RELATED ACTIVITIES AS DEMED BY OWNERS REPRESENTATIVE THAT WAS NOT CALLED OUT FOR REMOVAL OR REPLACEMENT. CONTRACTOR SHALL REPLACE/REPAIR DAMAGED ITEM TO THE SATISFACTION OF OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- TREE PROTECTION FENCING LOCATIONS SHOWN ARE APPROXIMATE. ALL EXISTING TREES OUTSIDE OF GRADING LIMITS ARE INTENDED TO REMAIN. FINAL LOCATIONS OF FENCING SHALL BE DETERMINED IN THE FIELD AND AS IDENTIFIED ON CONSTRUCTION DETAILS. ADDITIONAL FENCING MAY BE REQUIRED. COORDINATE WITH OWNER'S REPRESENTATIVE. TREE PROTECTION FENCE SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION.

LEGEND EXISTING

- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- SAWCUT
- UTILITY REMOVAL
- CONCRETE CURB REMOVAL
- TREE AND BOLLARD REMOVAL
- SITE LIGHT AND SIGN REMOVAL
- STONE CONSTRUCTION ENTRANCE
- SILT FENCE
- INLET PROTECTION

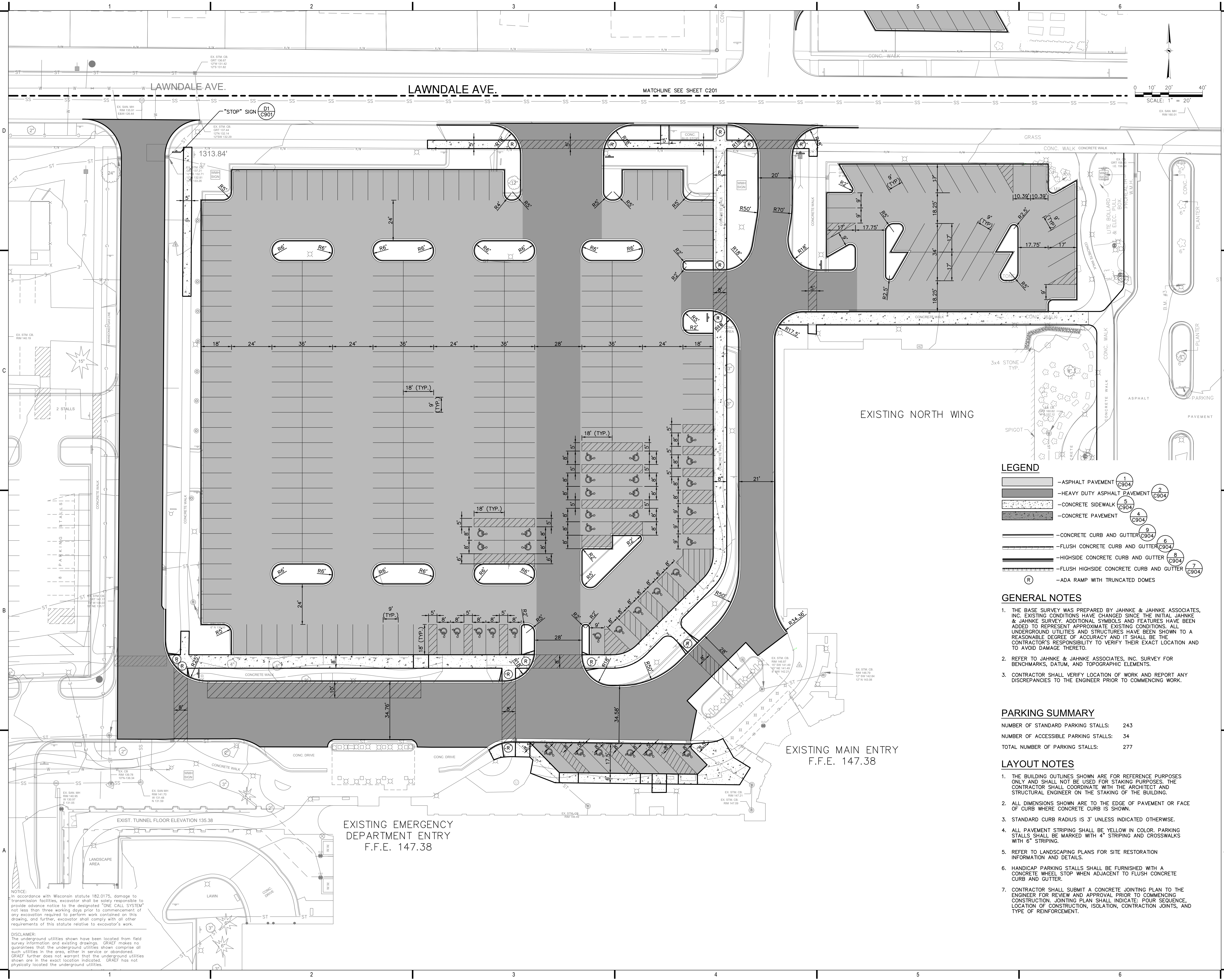


NOTICE:
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:
The underground utilities shown have been located from field survey information and existing drawings. GRAEF makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. GRAEF further does not warrant that the underground utilities shown are in the exact location indicated. GRAEF has not physically located the underground utilities.

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PROJECT STATUS



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LEGEND

- ASPHALT PAVEMENT (1 C904)
- HEAVY DUTY ASPHALT PAVEMENT (2 C904)
- CONCRETE SIDEWALK (5 C904)
- CONCRETE PAVEMENT (4 C904)
- CONCRETE CURB AND GUTTER (9 C904)
- FLUSH CONCRETE CURB AND GUTTER (6 C904)
- HIGHSIDE CONCRETE CURB AND GUTTER (8 C904)
- FLUSH HIGHSIDE CONCRETE CURB AND GUTTER (7 C904)
- ADA RAMP WITH TRUNCATED DOMES (R)

GENERAL NOTES

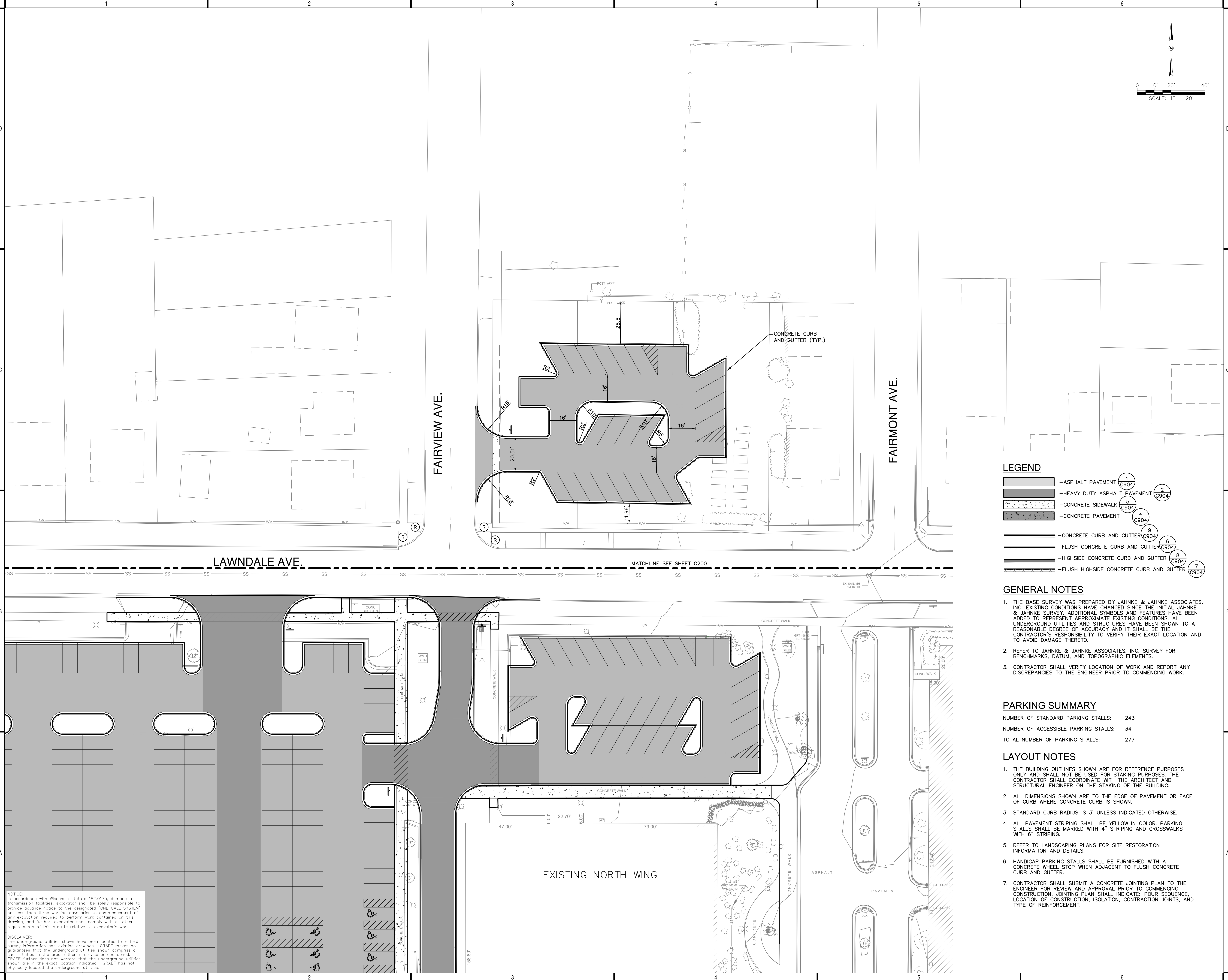
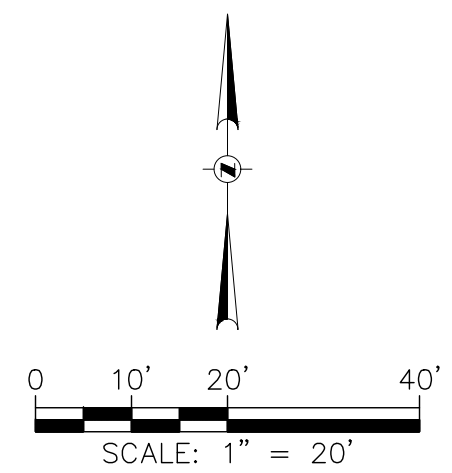
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PARKING SUMMARY

NUMBER OF STANDARD PARKING STALLS:	243
NUMBER OF ACCESSIBLE PARKING STALLS:	34
TOTAL NUMBER OF PARKING STALLS:	277

LAYOUT NOTES

- THE BUILDING OUTLINES SHOWN ARE FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED FOR STAKING PURPOSES. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND STRUCTURAL ENGINEER ON THE STAKING OF THE BUILDING.
- ALL DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT OR FACE OF CURB WHERE CONCRETE CURB IS SHOWN.
- STANDARD CURB RADIUS IS 3' UNLESS INDICATED OTHERWISE.
- ALL PAVEMENT STRIPING SHALL BE YELLOW IN COLOR. PARKING STALLS SHALL BE MARKED WITH 4" STRIPING AND CROSSWALKS WITH 6" STRIPING.
- REFER TO LANDSCAPING PLANS FOR SITE RESTORATION INFORMATION AND DETAILS.
- HANDICAP PARKING STALLS SHALL BE FURNISHED WITH A CONCRETE WHEEL STOP WHEN ADJACENT TO FLUSH CONCRETE CURB AND GUTTER.
- CONTRACTOR SHALL SUBMIT A CONCRETE JOINTING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION. JOINTING PLAN SHALL INDICATE: POUR SEQUENCE, LOCATION OF CONSTRUCTION, ISOLATION, CONTRACTION JOINTS, AND TYPE OF REINFORCEMENT.



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3. STANDARD CURB RADIUS IS 3' UNLESS INDICATED OTHERWISE.
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PROJECT STATUS

PROJECT INFORMATION:

PROJECT NUMBER: 2019-0001.00
 DATE: 03/29/2019
 DRAWN BY: MMS
 CHECKED BY: KSB
 APPROVED BY: SJF
 SCALE: AS SHOWN

SHEET TITLE:

SITE LAYOUT PLAN

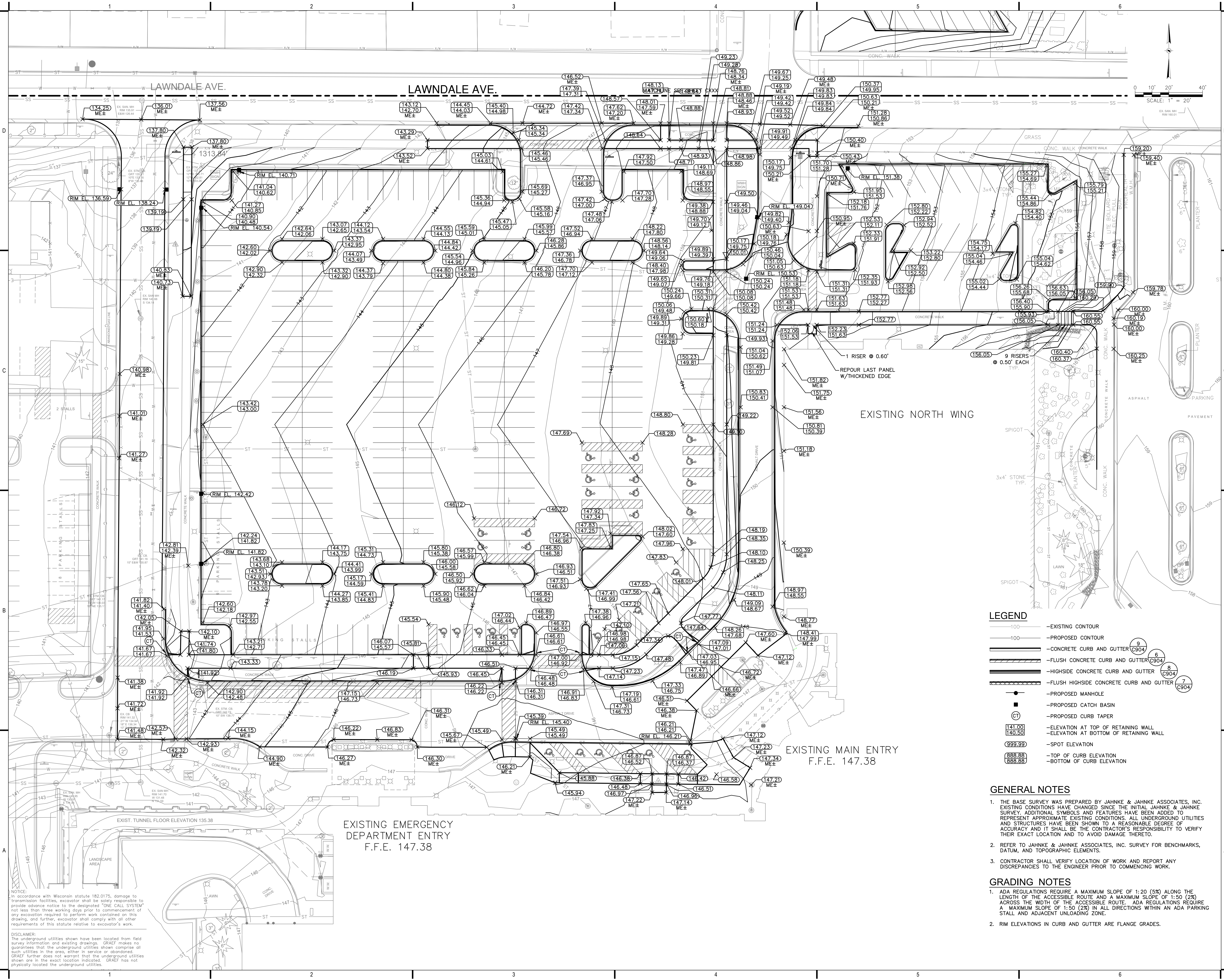
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LEGEND

	-EXISTING CONTOUR
	-PROPOSED CONTOUR
	-CONCRETE CURB AND GUTTER (C904)
	-FLUSH CONCRETE CURB AND GUTTER (C904)
	-HIGHSIDE CONCRETE CURB AND GUTTER (C904)
	-FLUSH HIGHSIDE CONCRETE CURB AND GUTTER (C904)
	-PROPOSED MANHOLE
	-PROPOSED CATCH BASIN
	-PROPOSED CURB TAPER
	-ELEVATION AT TOP OF RETAINING WALL
	-ELEVATION AT BOTTOM OF RETAINING WALL
	-SPOT ELEVATION
	-TOP OF CURB ELEVATION
	-BOTTOM OF CURB ELEVATION

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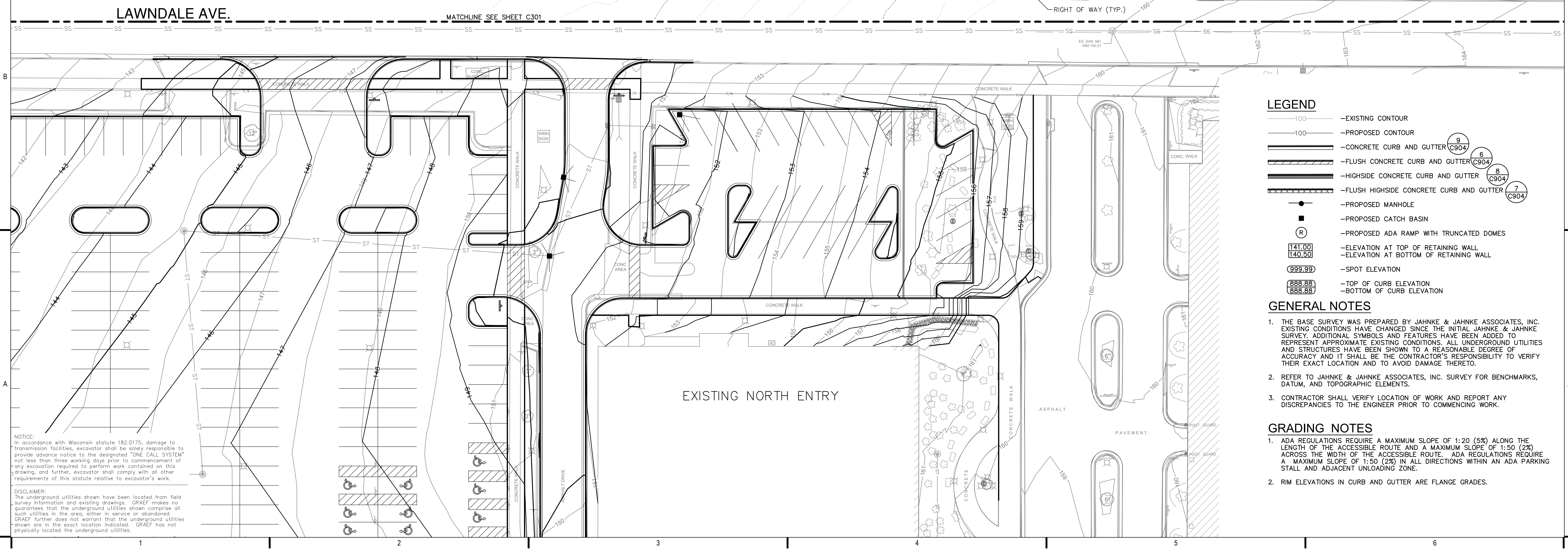
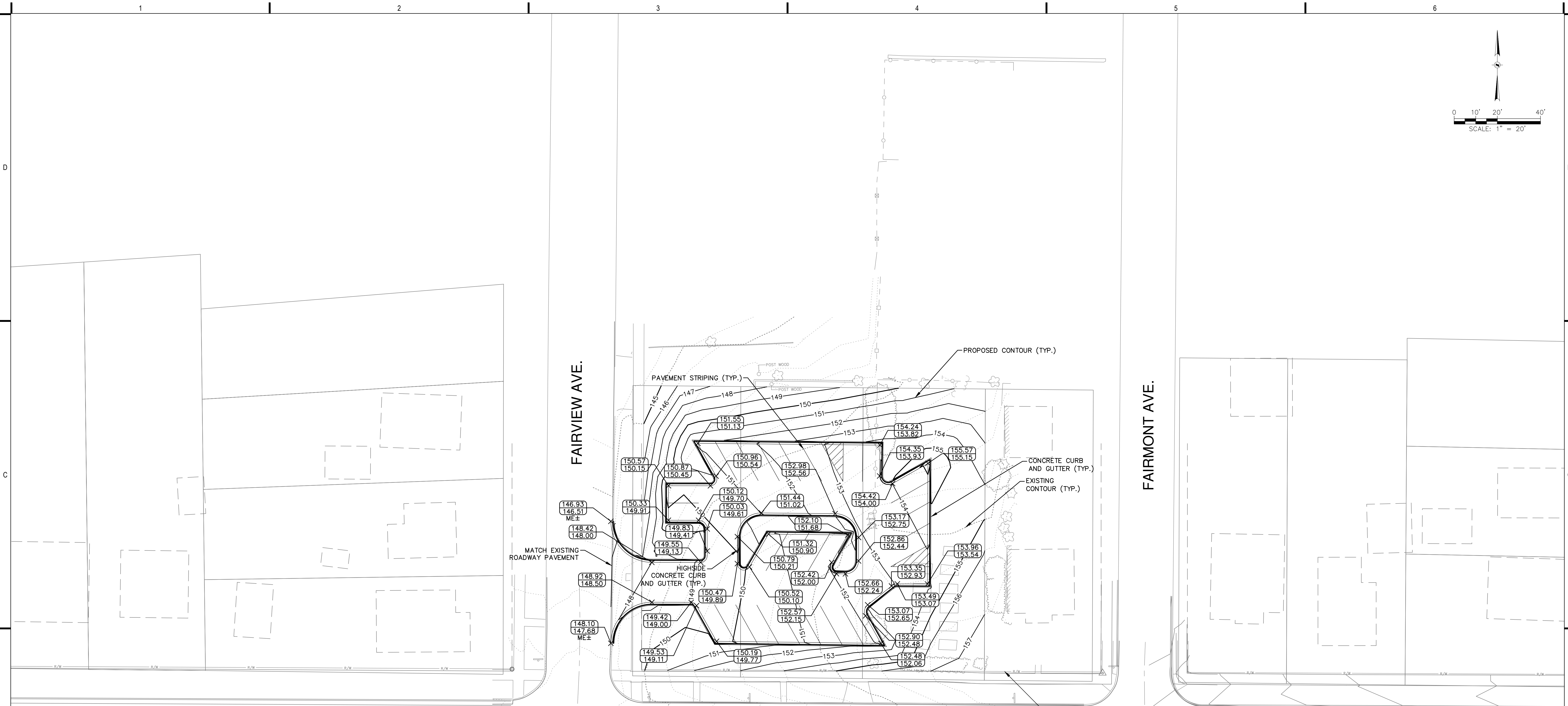
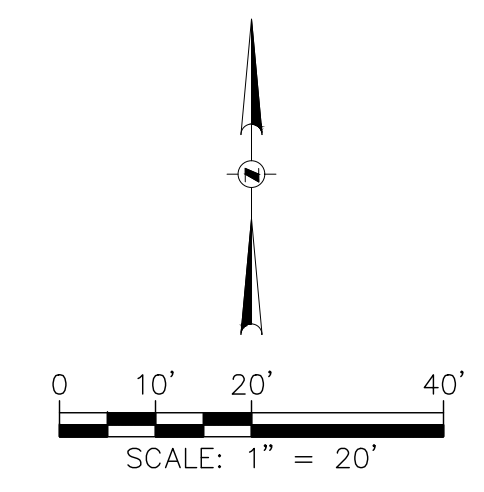
GRADING NOTES

- ADA REGULATIONS REQUIRE A MAXIMUM SLOPE OF 1:20 (5%) ALONG THE LENGTH OF THE ACCESSIBLE ROUTE AND A MAXIMUM SLOPE OF 1:50 (2%) ACROSS THE WIDTH OF THE ACCESSIBLE ROUTE. ADA REGULATIONS REQUIRE A MAXIMUM SLOPE OF 1:50 (2%) IN ALL DIRECTIONS WITHIN AN ADA PARKING STALL AND ADJACENT UNLOADING ZONE.
- RIM ELEVATIONS IN CURB AND GUTTER ARE FLANGE GRADES.

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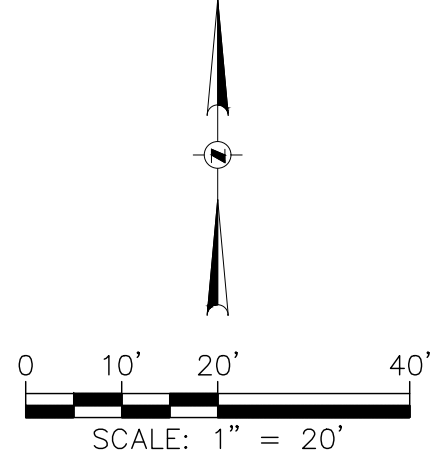
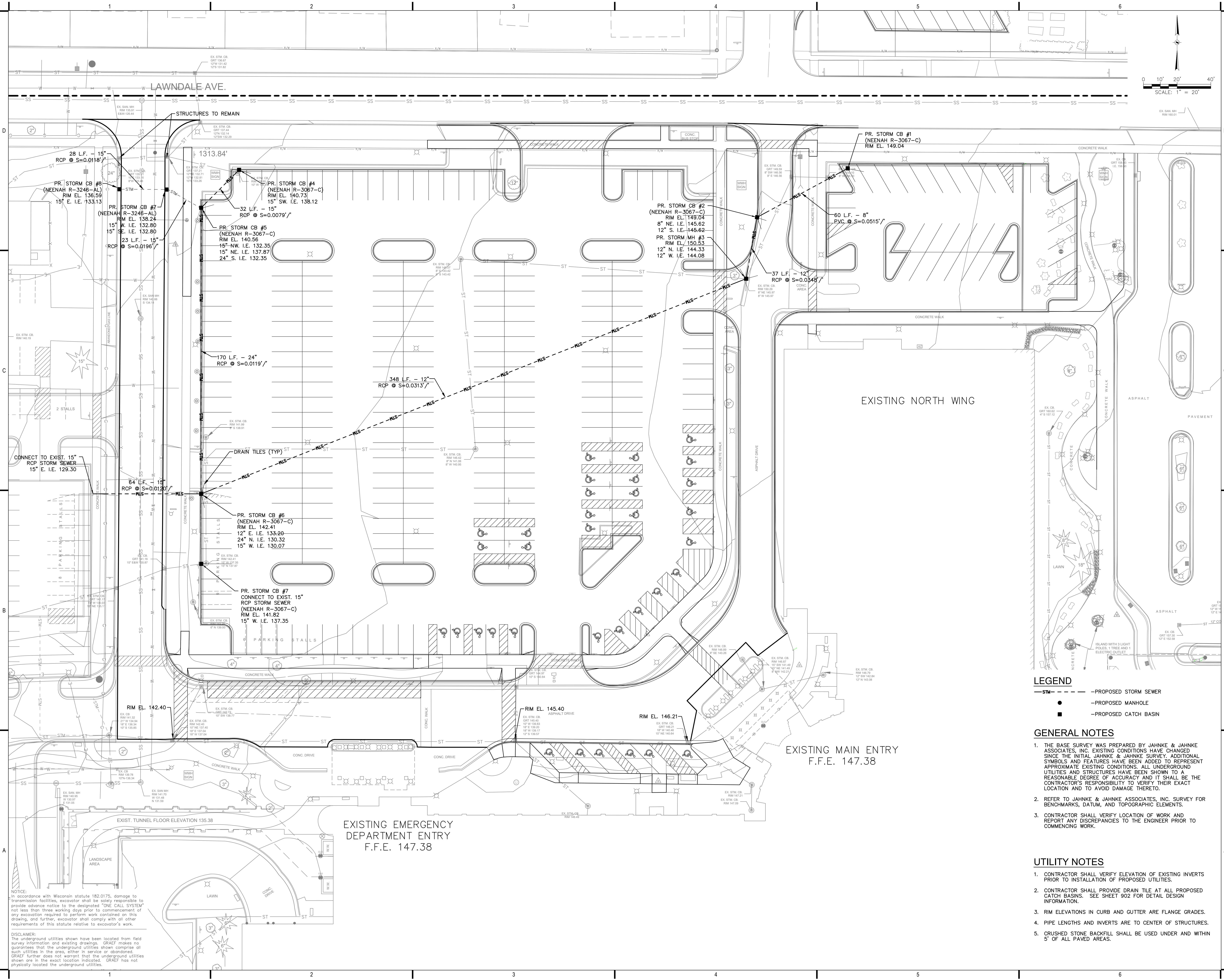
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LEGEND

—STM—	—PROPOSED STORM SEWER
●	—PROPOSED MANHOLE
■	—PROPOSED CATCH BASIN

- GENERAL NOTES**
1. THE BASE SURVEY WAS PREPARED BY JAHNKE & JAHNKE ASSOCIATES, INC. EXISTING CONDITIONS HAVE CHANGED SINCE THE INITIAL JAHNKE & JAHNKE SURVEY. ADDITIONAL SYMBOLS AND FEATURES HAVE BEEN ADDED TO REPRESENT APPROXIMATE EXISTING CONDITIONS. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
 2. REFER TO JAHNKE & JAHNKE ASSOCIATES, INC. SURVEY FOR BENCHMARKS, DATUM, AND TOPOGRAPHIC ELEMENTS.
 3. CONTRACTOR SHALL VERIFY LOCATION OF WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

- UTILITY NOTES**
1. CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING INVERTS PRIOR TO INSTALLATION OF PROPOSED UTILITIES.
 2. CONTRACTOR SHALL PROVIDE DRAIN TILE AT ALL PROPOSED CATCH BASINS. SEE SHEET 902 FOR DETAIL DESIGN INFORMATION.
 3. RIM ELEVATIONS IN CURB AND GUTTER ARE FLANGE GRADES.
 4. PIPE LENGTHS AND INVERTS ARE TO CENTER OF STRUCTURES.
 5. CRUSHED STONE BACKFILL SHALL BE USED UNDER AND WITHIN 5' OF ALL PAVED AREAS.

PROJECT INFORMATION:

PROJECT NUMBER:	2019-0001.00
DATE:	03/29/2019
DRAWN BY:	MMS
CHECKED BY:	KSB
APPROVED BY:	SJF
SCALE:	AS SHOWN

SHEET TITLE:

OVERALL SITE UTILITY PLAN

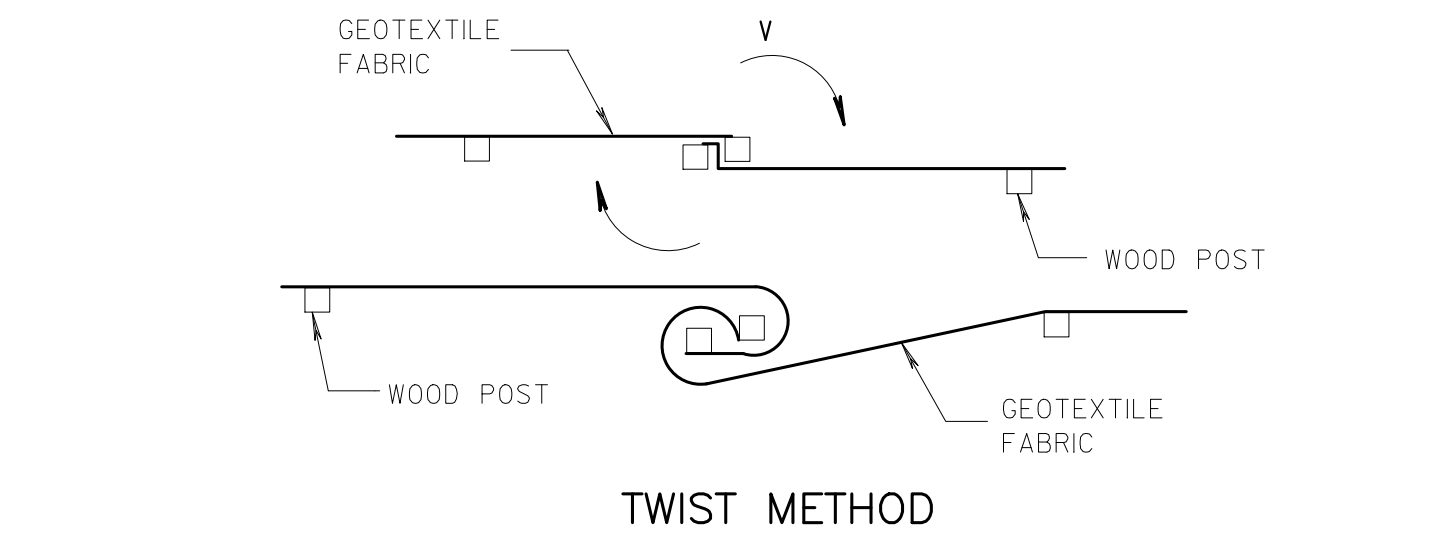
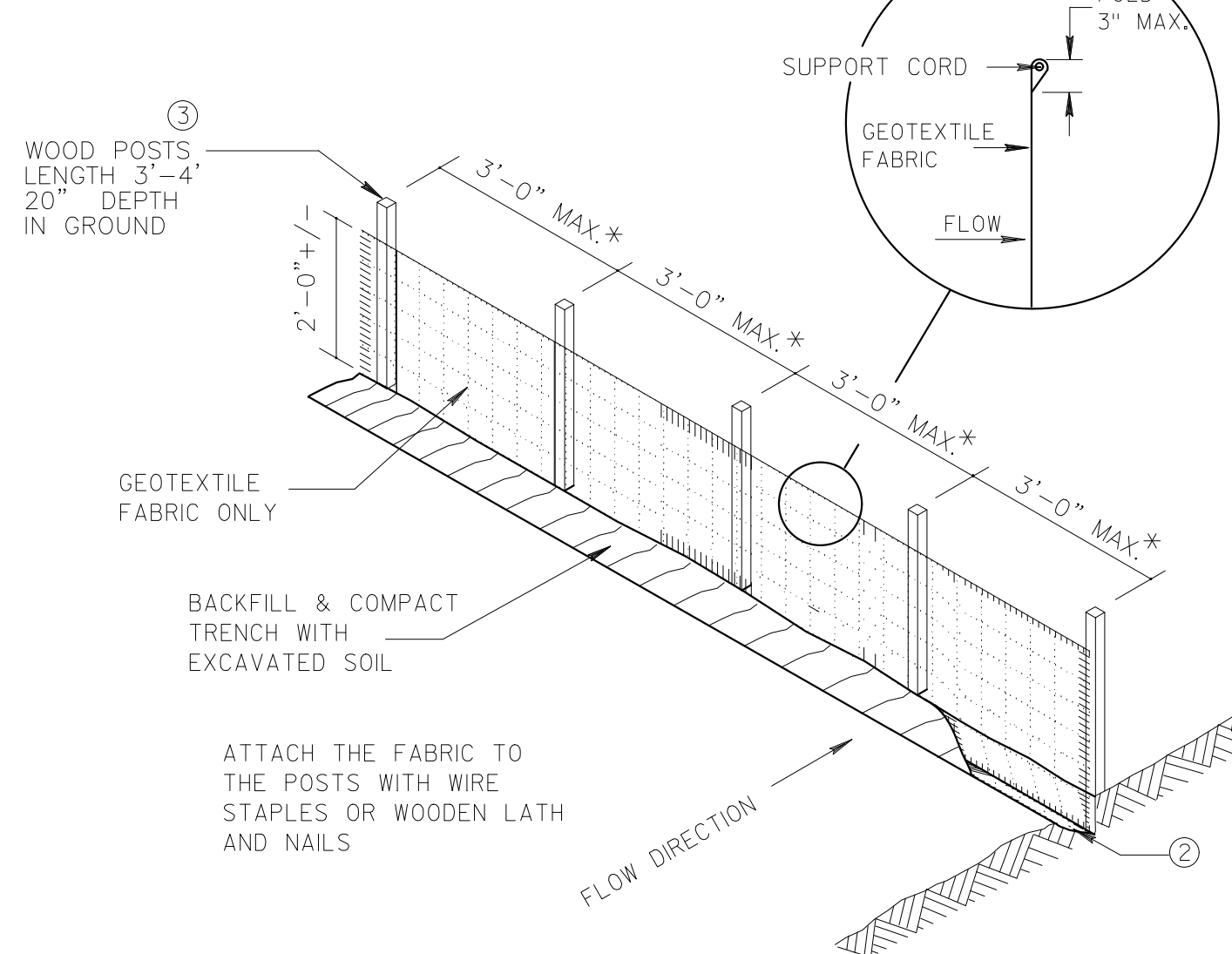
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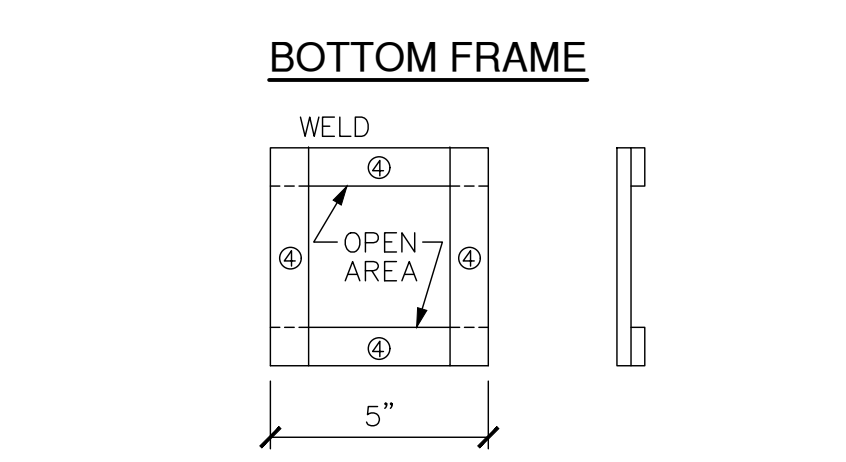
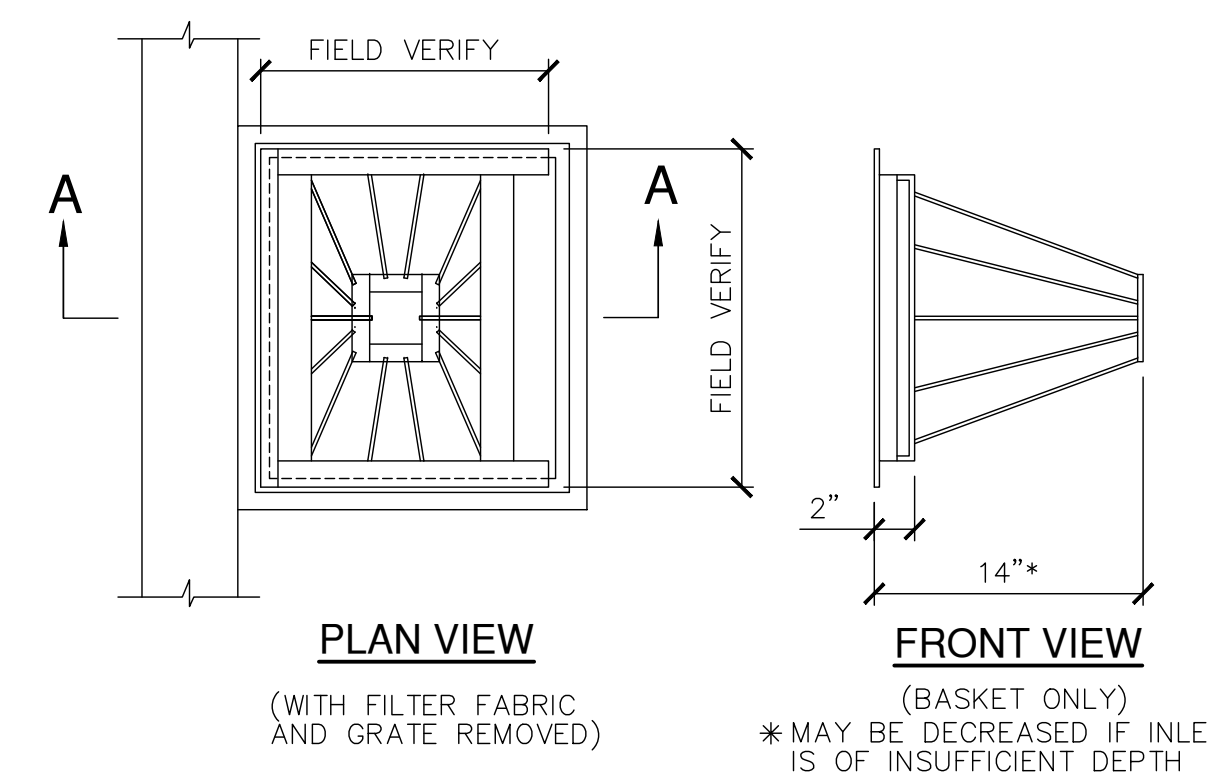
NOTICE:
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:
The underground utilities shown have been located from field survey information and existing drawings. GRAEF makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. GRAEF further does not warrant that the underground utilities shown are in the exact location indicated. GRAEF has not physically located the underground utilities.

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



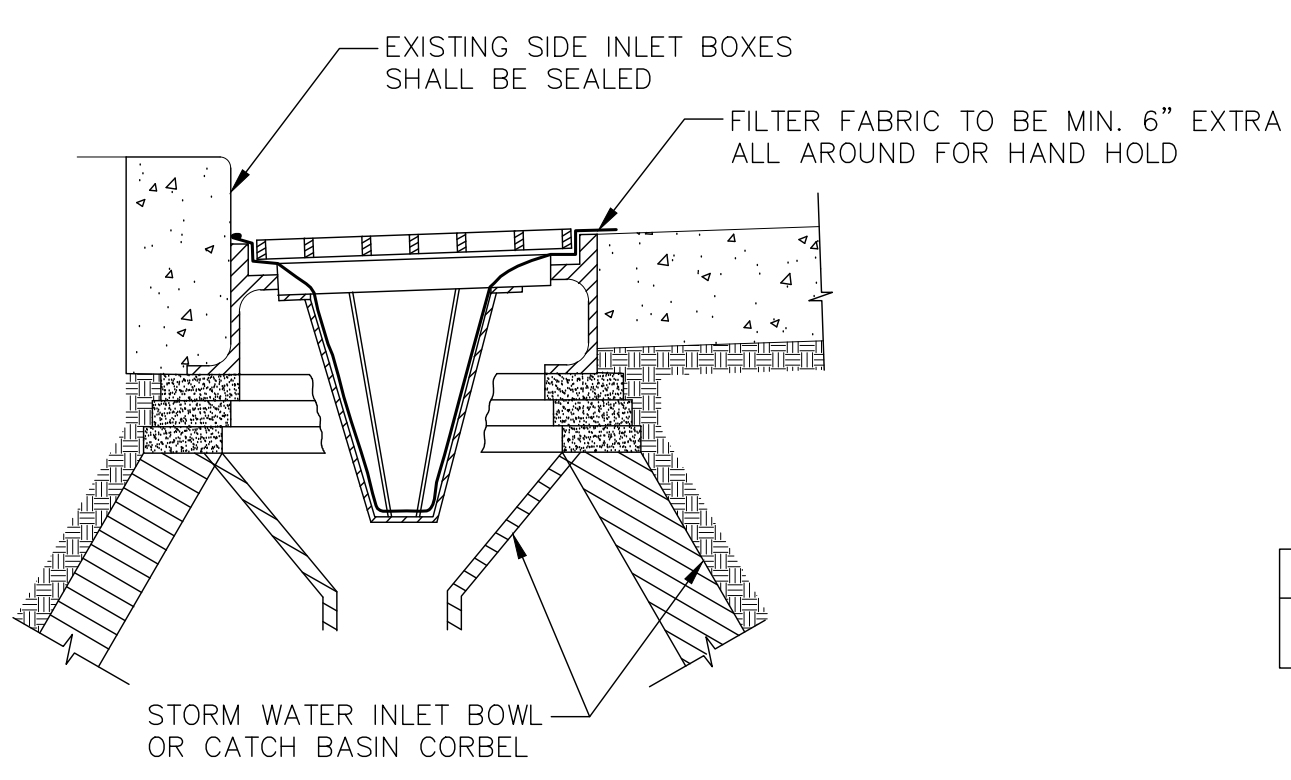
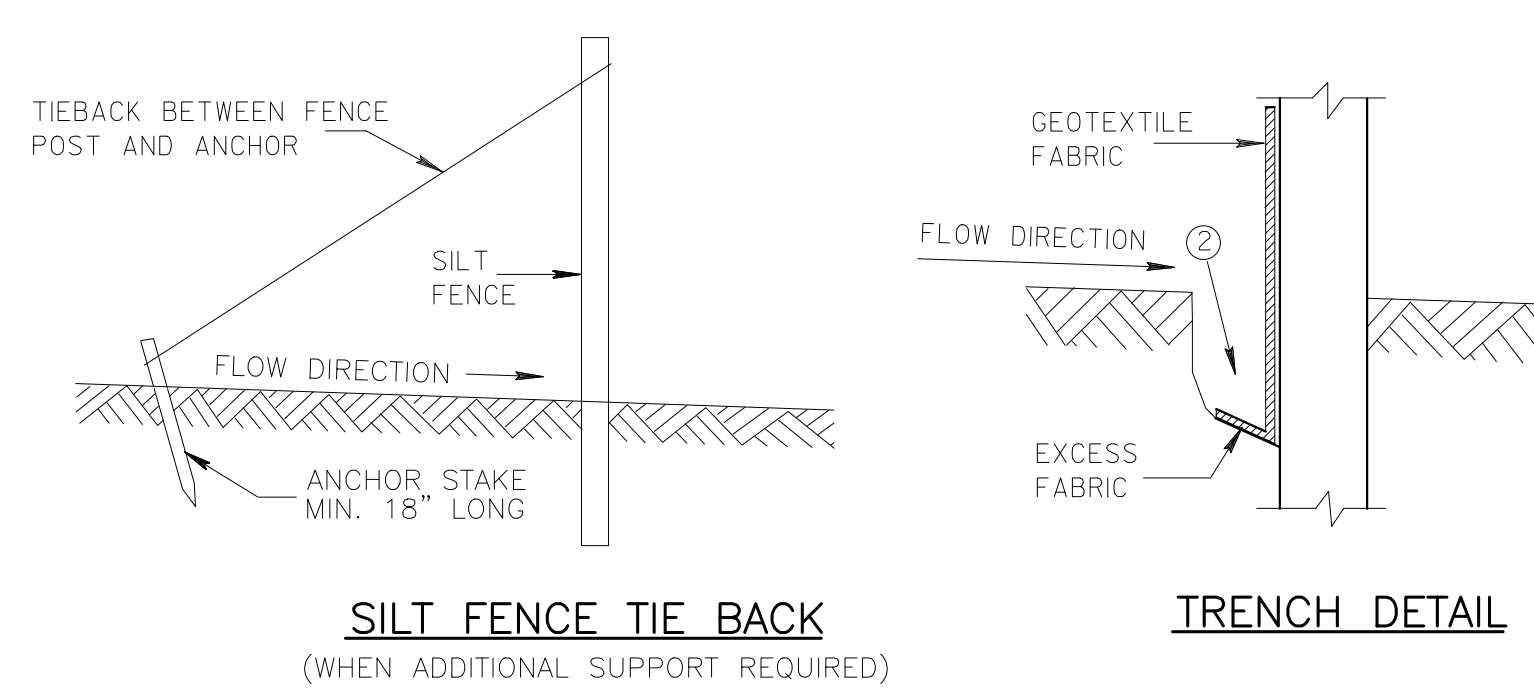
JOINING TWO LENGTHS OF SILT FENCE ⑤



GENERAL NOTES:

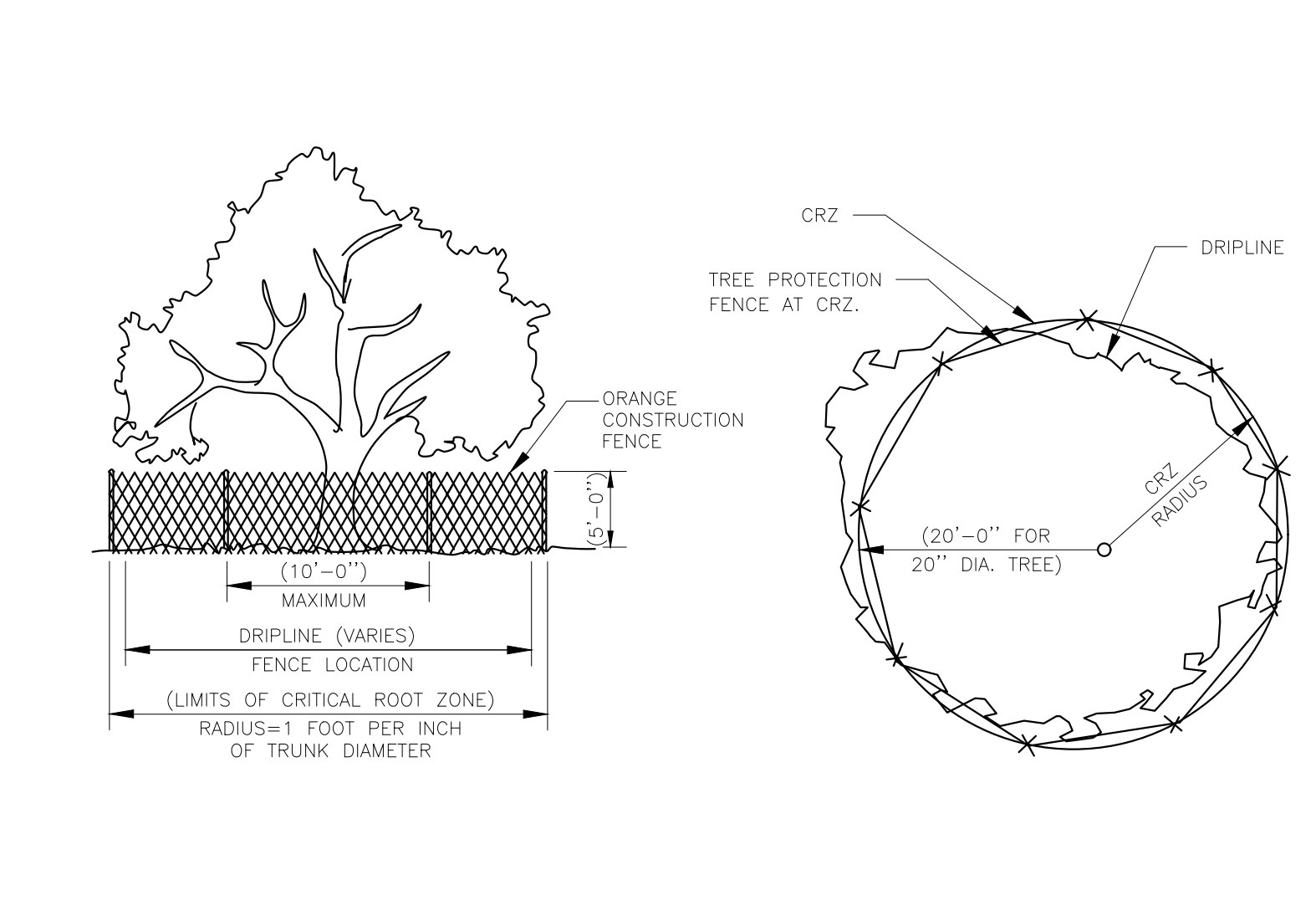
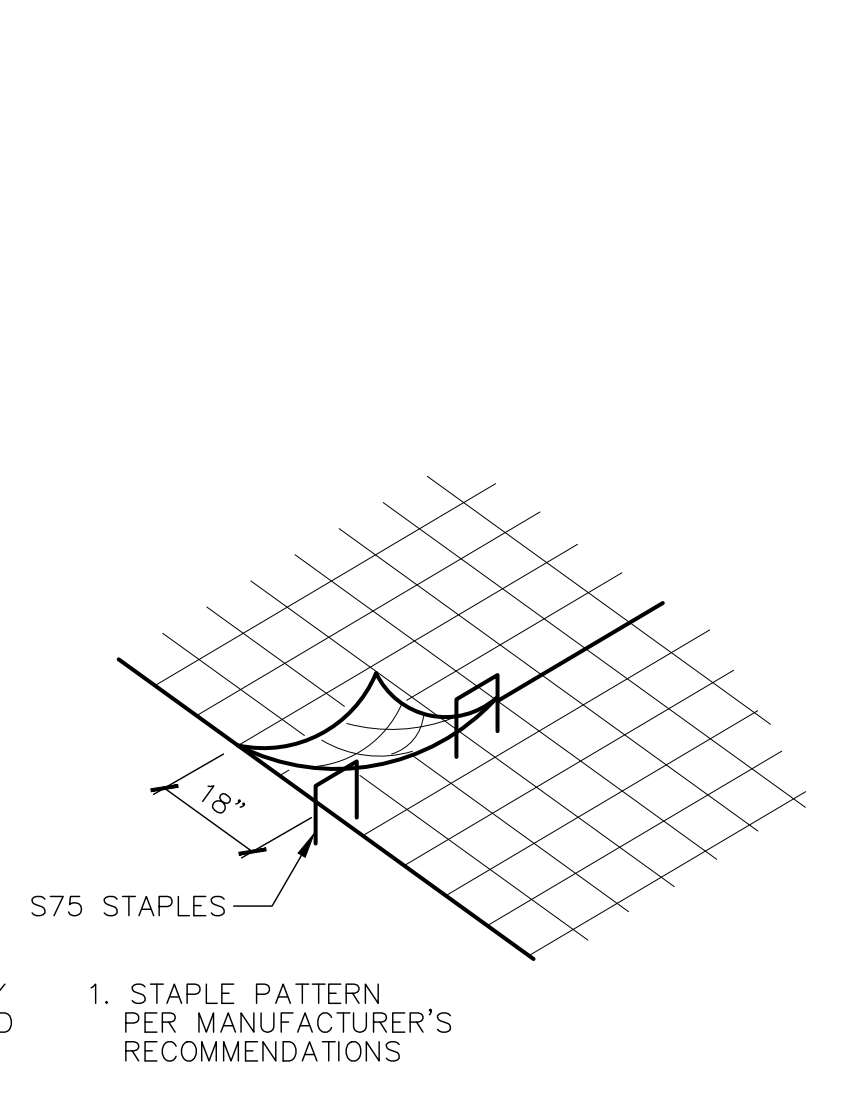
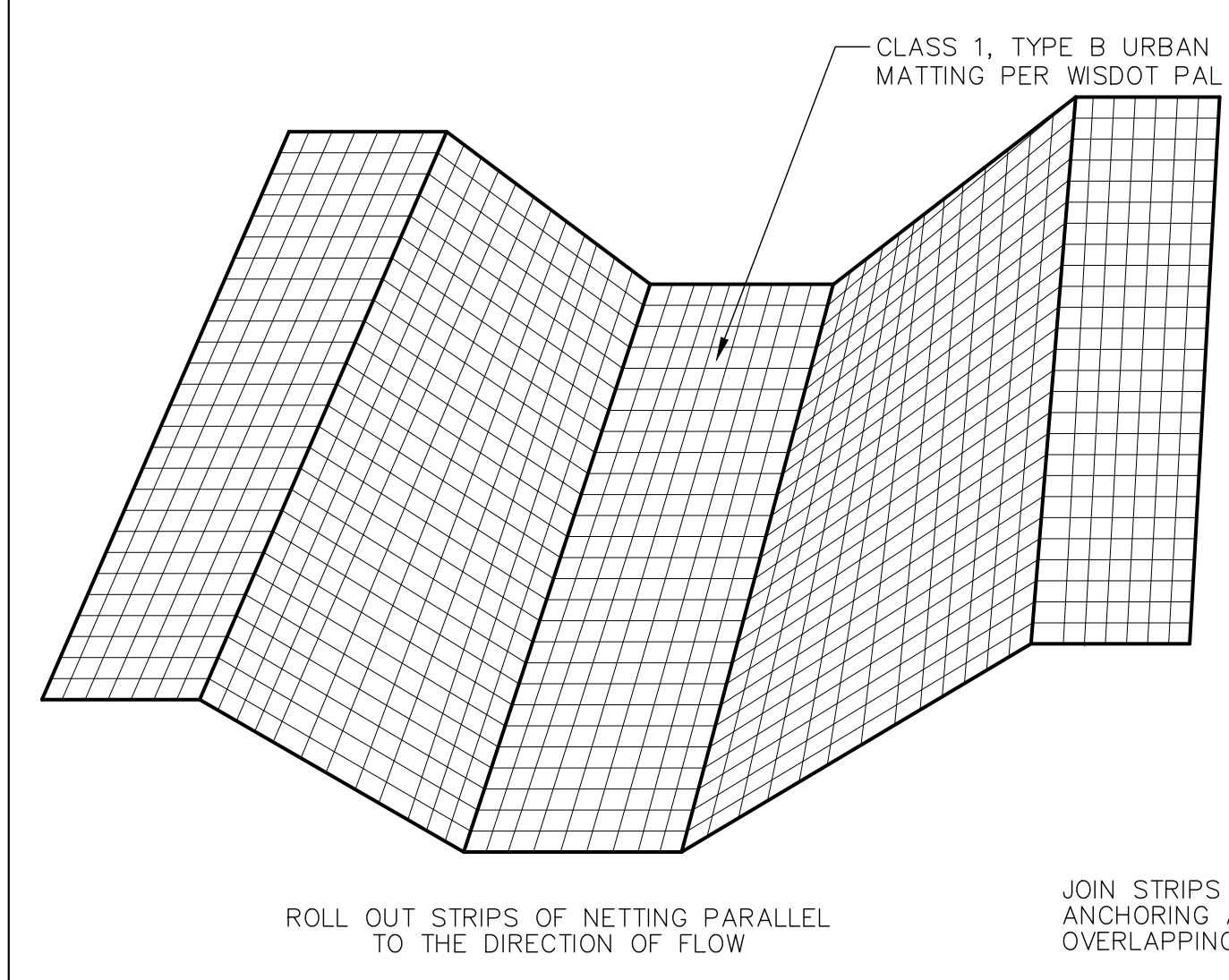
- HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES; B) HOOK THE END OF EACH SILT FENCE LENGTH.

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6.

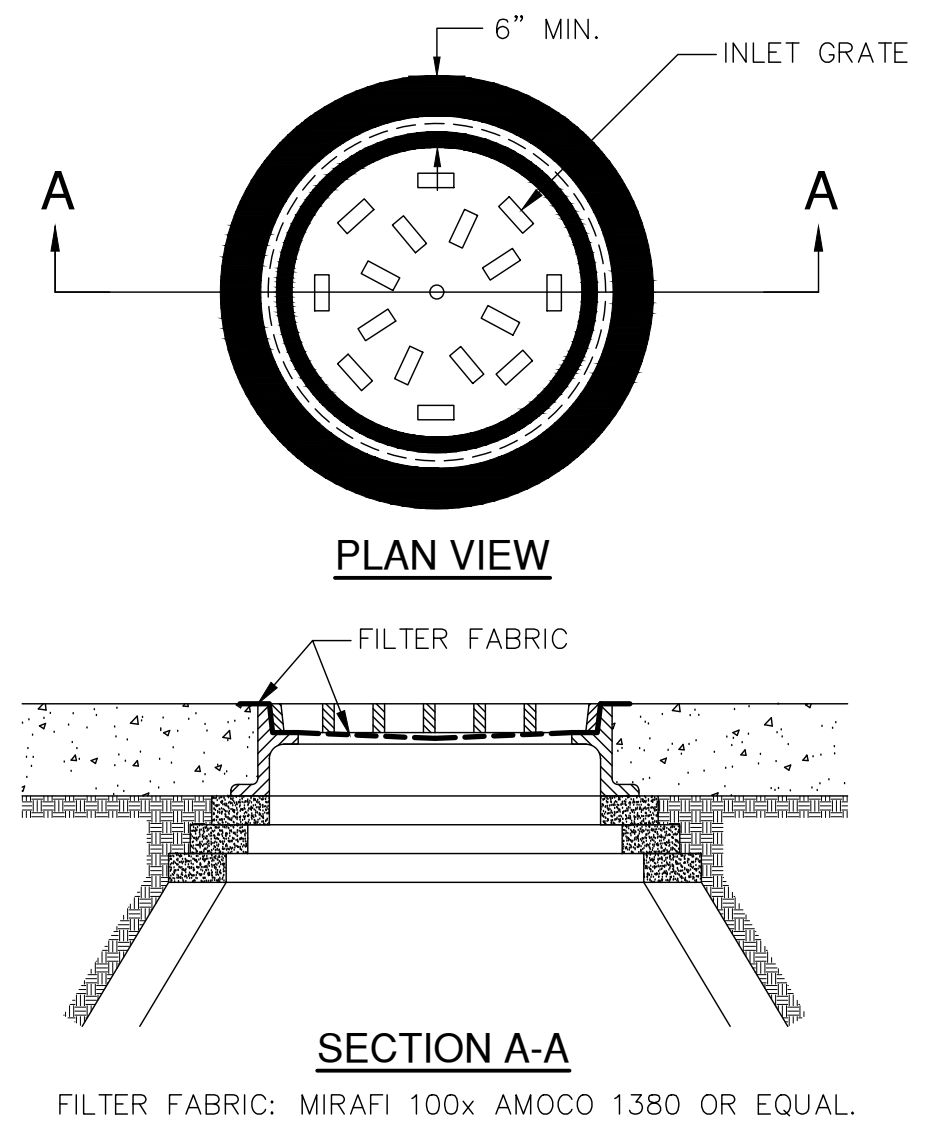


C1 SILT FENCE DETAIL
SCALE

B6 INLET BASKET (TYPE M)
SCALE



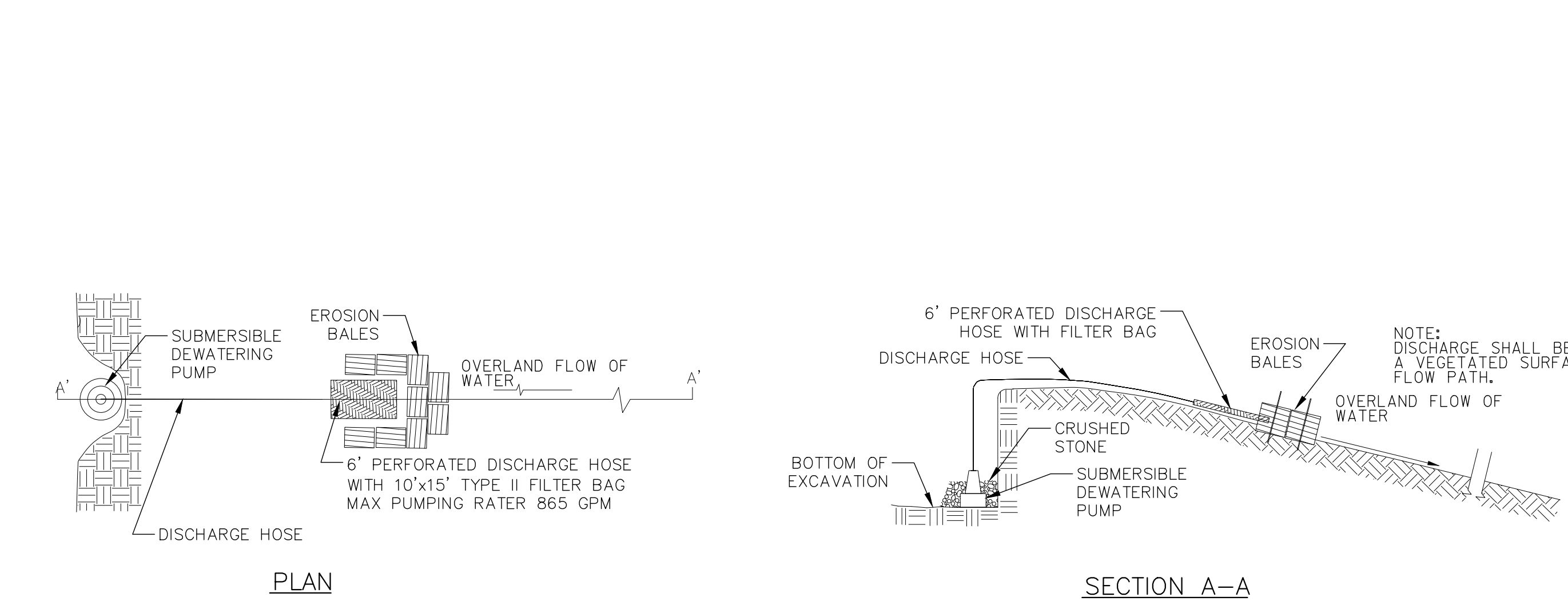
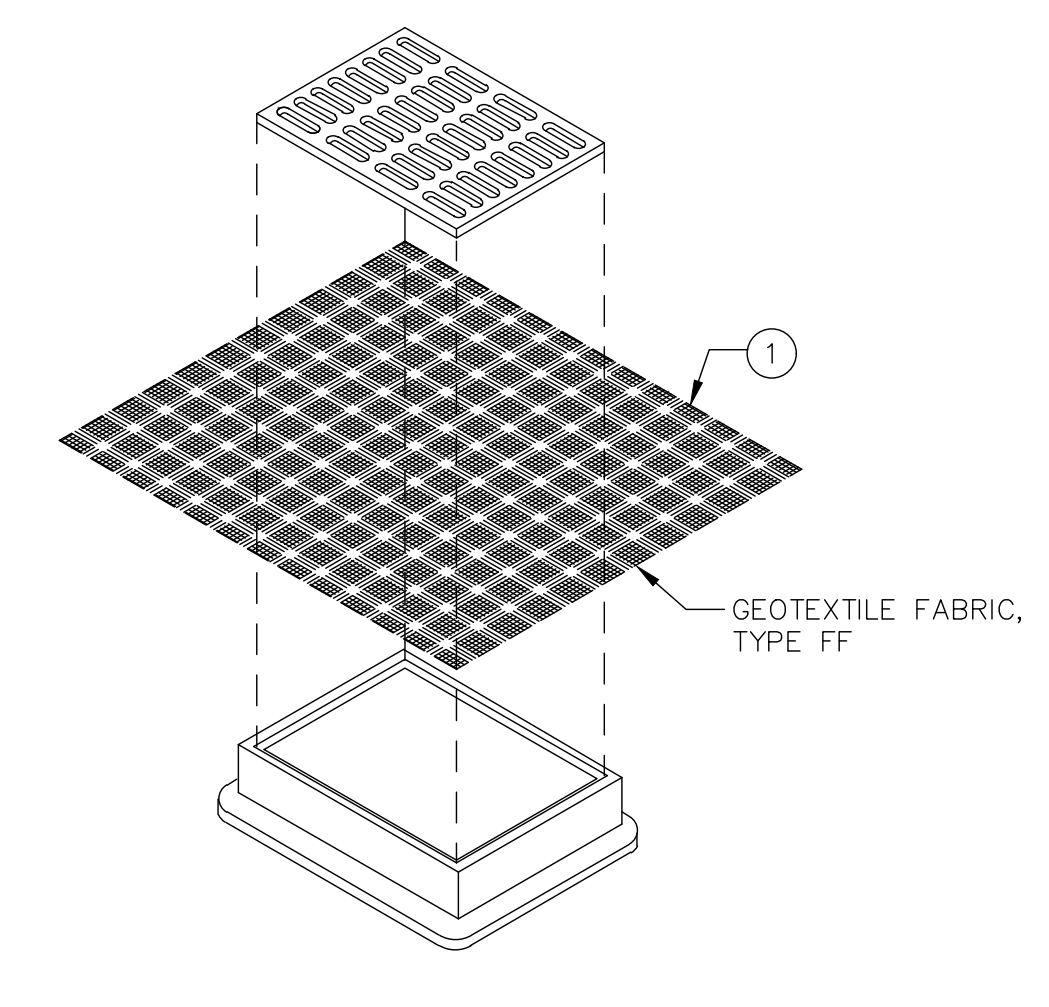
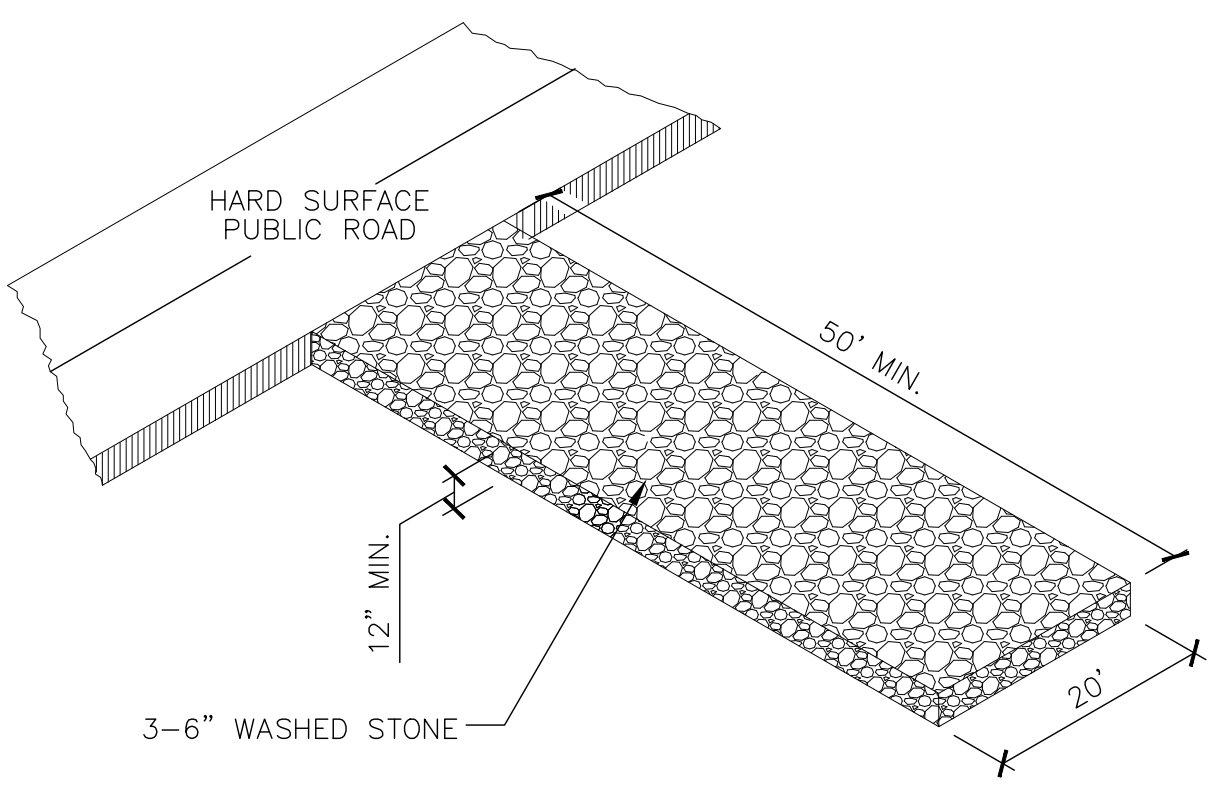
- ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
- TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING).
- EROSION AND SEDIMENTATION CONTROL 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; AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT.
- 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 BE 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 PRUNING MUST BE DONE AS OUTLINED IN LITERATURE PROVIDED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA PRUNING TECHNIQUES).



B1 EROSION MATTING
SCALE

B3 TREE PROTECTION FENCE - ORANGE CONSTRUCTION FENCE
SCALE

B6 INLET GRATE SCREEN
SCALE



A1 STONE CONSTRUCTION ENTRANCE
SCALE

A3 MICROPROTECTIVE TYPE B
SCALE

A4 DEWATERING SEDIMENTATION CONTROL
SCALE

PROJECT INFORMATION:

PROJECT NUMBER: 2019-0001.00
DATE: 03/29/2019
DRAWN BY: MMS
CHECKED BY: KSB
APPROVED BY: SJF
SCALE: AS SHOWN

SHEET TITLE:

CONSTRUCTION DETAILS

SHEET NUMBER:

D1 STOP SIGN
SCALE

30"x30" STOP SIGN (SKU: 373-05080) AS MANUFACTURED BY TAPCO OR APPROVED EQUAL

SIGNS TO BE INSTALLED ON THE SAME POST AND AT EQUAL HEIGHTS. INSTALL SIGNS FACING THE DIRECTION AS SHOWN ON THE SITE LAYOUT PLAN.

2-3/8" DIA. GALVANIZED STEEL POLE (TYP.)

FINISH GRADE

POST TO BE EMBEDDED IN GROUND WITH A 23-VR3 OR 23-VRIP, V-LOC BREAKAWAY POST ANCHOR AS MANUFACTURED BY TAPCO OR APPROVED EQUAL FOR INSTALLATIONS IN GRASS/LANDSCAPE AREA AND CONCRETE PAVEMENT RESPECTIVELY

D1 STOP SIGN
SCALE

1"± (TYP.)

2'-0"

1"± (TYP.)

VARIES VARIES

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.09"	1.4"

* THIS DIMENSION IS 50% TO 65% OF THE "D" DIMENSION

PLAN VIEW

ELEVATION VIEW

C1 TRUNCATED DOMES
SCALE

12"x18"x0.080 ALUMINUM SIGN W/IDENTIFICATION SYMBOL & LETTERING AS REQUIRED TO CONFORM TO MOST CURRENT CODES.

REQUIRED FOR VAN ACCESSIBLE PARKING STALLS.

2" DIA. GALVANIZED STEEL POLE

12"x30" CONC. BASE

4'-3"

4'-0"

4-1/2" YELLOW (TYP.)

WHEELCHAIR ACCESSIBLE SIGN
SCALE

B2 PAVEMENT MARKING HANDICAP SYMBOL
SCALE

B1 WHEELCHAIR ACCESSIBLE SIGN
SCALE

B2 PAVEMENT MARKING HANDICAP SYMBOL
SCALE

A1 ASPHALT PAVEMENT
SCALE

A2 CONCRETE PAVEMENT
SCALE

A3 CONCRETE SIDEWALK
SCALE

A4 CONCRETE CURB AND GUTTER
SCALE

A5 HIGH SIDE CONCRETE CURB AND GUTTER
SCALE

A6 THICKENED EDGE PAVEMENT
SCALE

C3 CONCRETE CURB RAMPS
SCALE

GENERAL NOTES

SHOW PLACING OPERATE STRUCTURE, JOINTS, LINES OR OTHER INDICATIONS IN FRONT OF RAMP ACCESS BEGINS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 2%.

SEWERAL CROSS SLOPE SHALL NOT EXCEED 2%.

SEWERAL TRANSVERSE SLOPE SHALL NOT EXCEED 2%.

DO NOT MARK TRANSITION ZONE.

RADIUS AT CURB FACE	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
30 FEET	3'-0"	4'-0"	4'-0"	5'-0"	5'-0"	6'-0"	6'-0"	7'-0"	7'-0"	8'-0"
40 FEET	4'-0"	5'-0"	5'-0"	6'-0"	6'-0"	7'-0"	7'-0"	8'-0"	8'-0"	9'-0"
50 FEET	5'-0"	6'-0"	6'-0"	7'-0"	7'-0"	8'-0"	8'-0"	9'-0"	9'-0"	10'-0"
60 FEET	6'-0"	7'-0"	7'-0"	8'-0"	8'-0"	9'-0"	9'-0"	10'-0"	10'-0"	11'-0"
80 FEET	8'-0"	9'-0"	9'-0"	10'-0"	10'-0"	11'-0"	11'-0"	12'-0"	12'-0"	13'-0"
100 FEET	10'-0"	11'-0"	11'-0"	12'-0"	12'-0"	13'-0"	13'-0"	14'-0"	14'-0"	15'-0"

INTERMEDIATE RADII CAN BE INTERPOLATED

PLAN VIEW

SECTION A-A

SECTION B-B

SECTION C-C

ISOMETRIC VIEW

LEGEND

1/2" EXPANSION JOINT-SEWERAL

CONTRACTOR JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK WHITE

ALTERNATE LAYOUT

CURB RAMPS TYPE 4B
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

C3 CONCRETE CURB RAMPS
SCALE

GENERAL NOTES

SEWERAL CROSS SLOPE SHALL NOT EXCEED 2%.

SEWERAL TRANSVERSE SLOPE SHALL NOT EXCEED 2%.

DO NOT MARK TRANSITION ZONE.

PLAN VIEW

SECTION A-A

SECTION B-B

SECTION C-C

ISOMETRIC VIEW

LEGEND

1/2" EXPANSION JOINT-SEWERAL

CONTRACTOR JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK WHITE

ALTERNATE LAYOUT

CURB RAMPS TYPE 1-A
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

B3 DRAIN TILE
SCALE

B4 CURB TAPER SECTION
SCALE

B5 FLUSH HIGH SIDE CONCRETE CURB AND GUTTER
SCALE

FINISHED SURFACE CROSS SECTION OF TOPSOIL OR PAVEMENT AND STONE BASE (VARIES BY LOCATION)

NOTES:

1. THE BARS ARE REQUIRED FOR CURB & GUTTER WHEN PLACED ADJACENT TO NEW CONCRETE.

2. THE BOTTOM OF CURB & GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

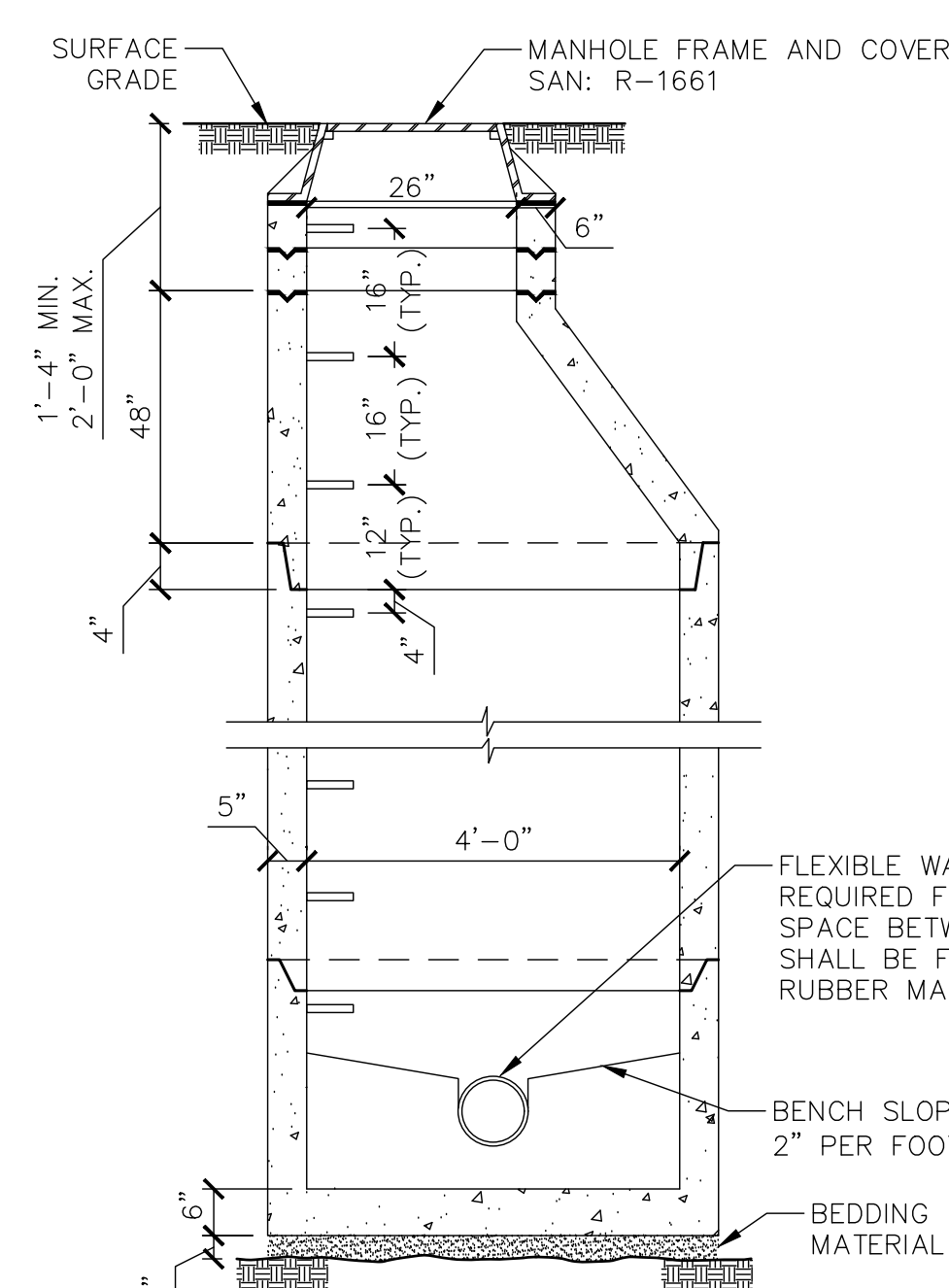
3. INSTALL THE DOWEL BARS CONNECTING THE CURB TO THE SIDEWALK AND THE DOWEL BARS CONNECTING THE CURB TO THE CONCRETE PAVEMENT WITH A ONE FOOT OFFSET.

CONCRETE CURB AND GUTTER
SCALE

HIGH SIDE CONCRETE CURB AND GUTTER
SCALE

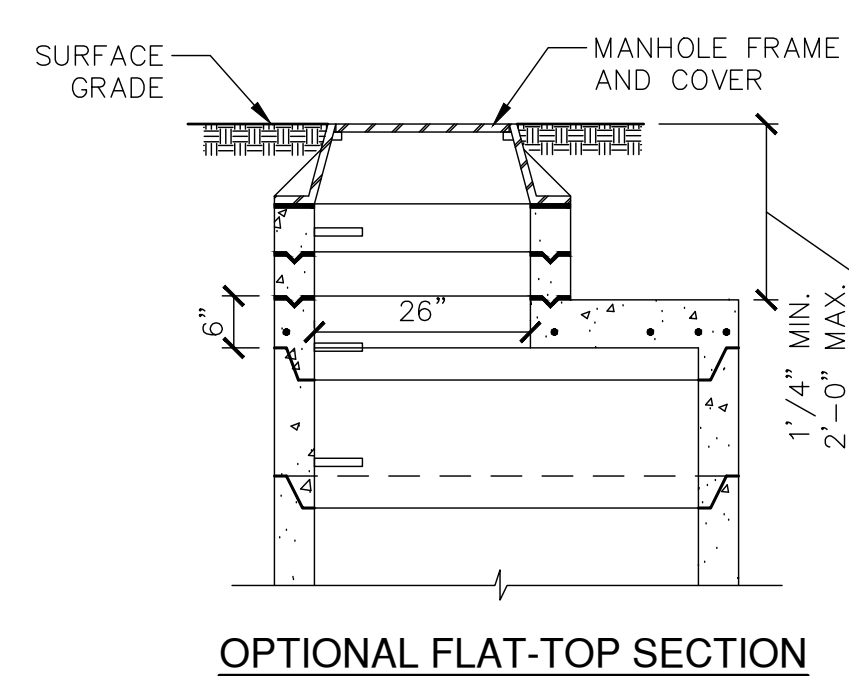
THICKENED EDGE PAVEMENT
SCALE

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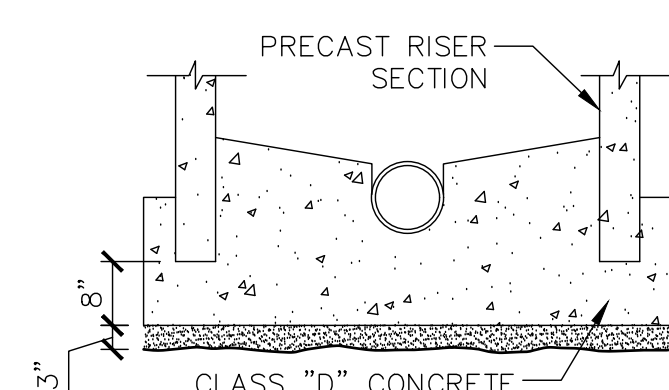


GENERAL NOTES

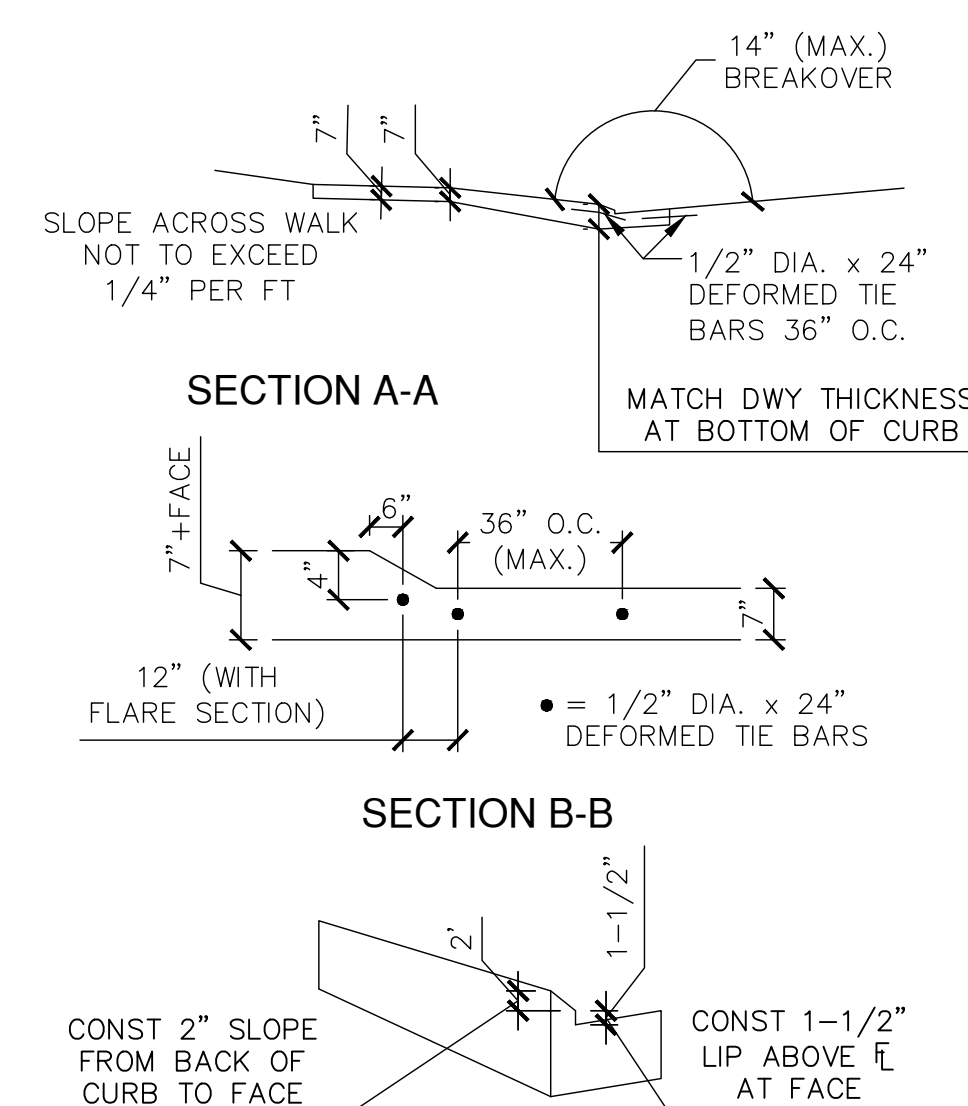
- FLAT TOP SLAB MAY BE USED FOR 5'-0" AND 6'-0" DIA. MANHOLES.
- PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY RINGS SHALL BE GROOVED TO RECEIVE STEP.
- CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
- JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
- AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ. INCH PER LINEAL FOOT.
- 3" BEDDING MATERIAL REQUIRED UNDER BASE. MANHOLES TO BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL.



OPTIONAL FLAT-TOP SECTION



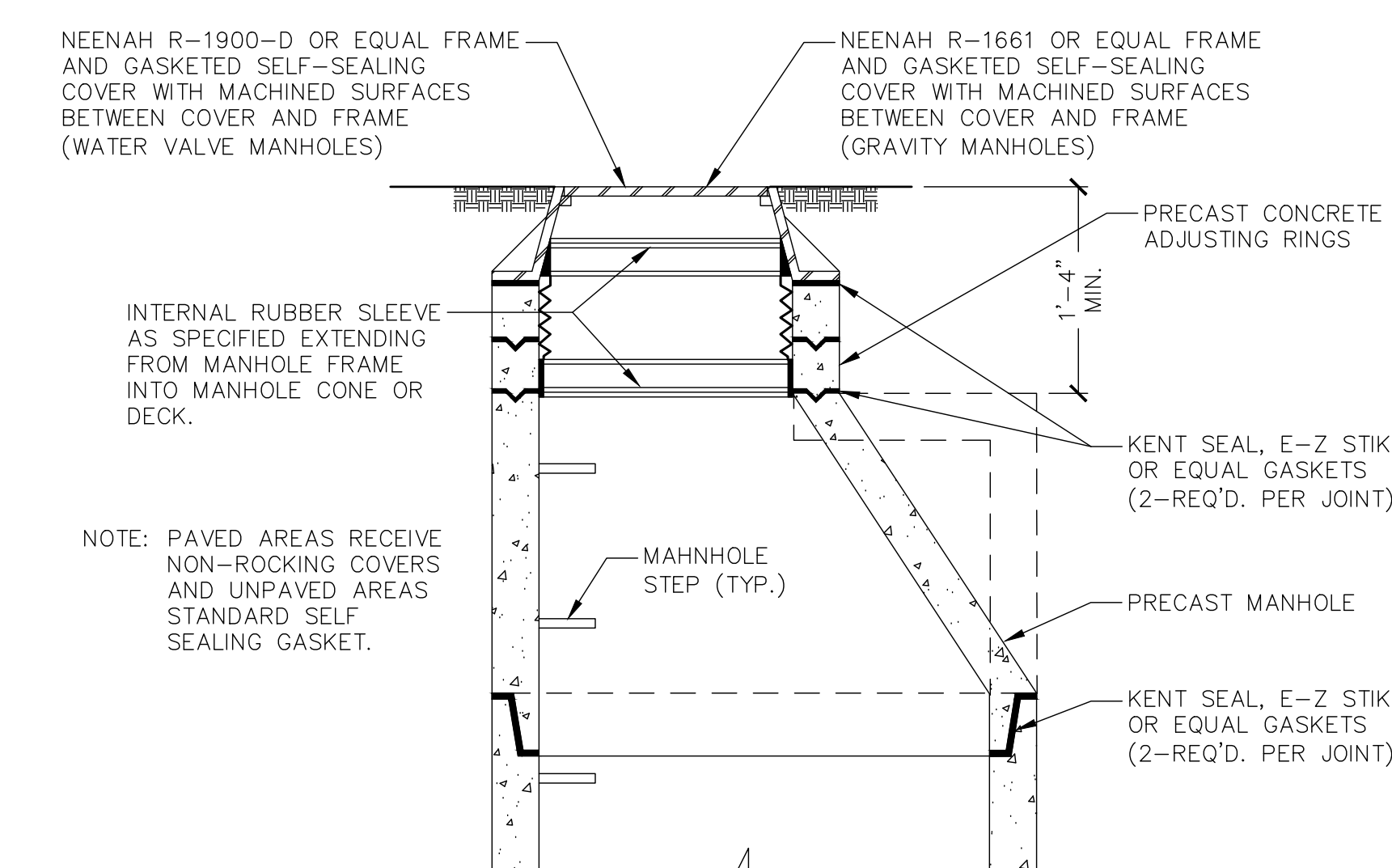
OPTIONAL POURED BASE



B3 CONCRETE DRIVEWAY TYPE 1

SCALE

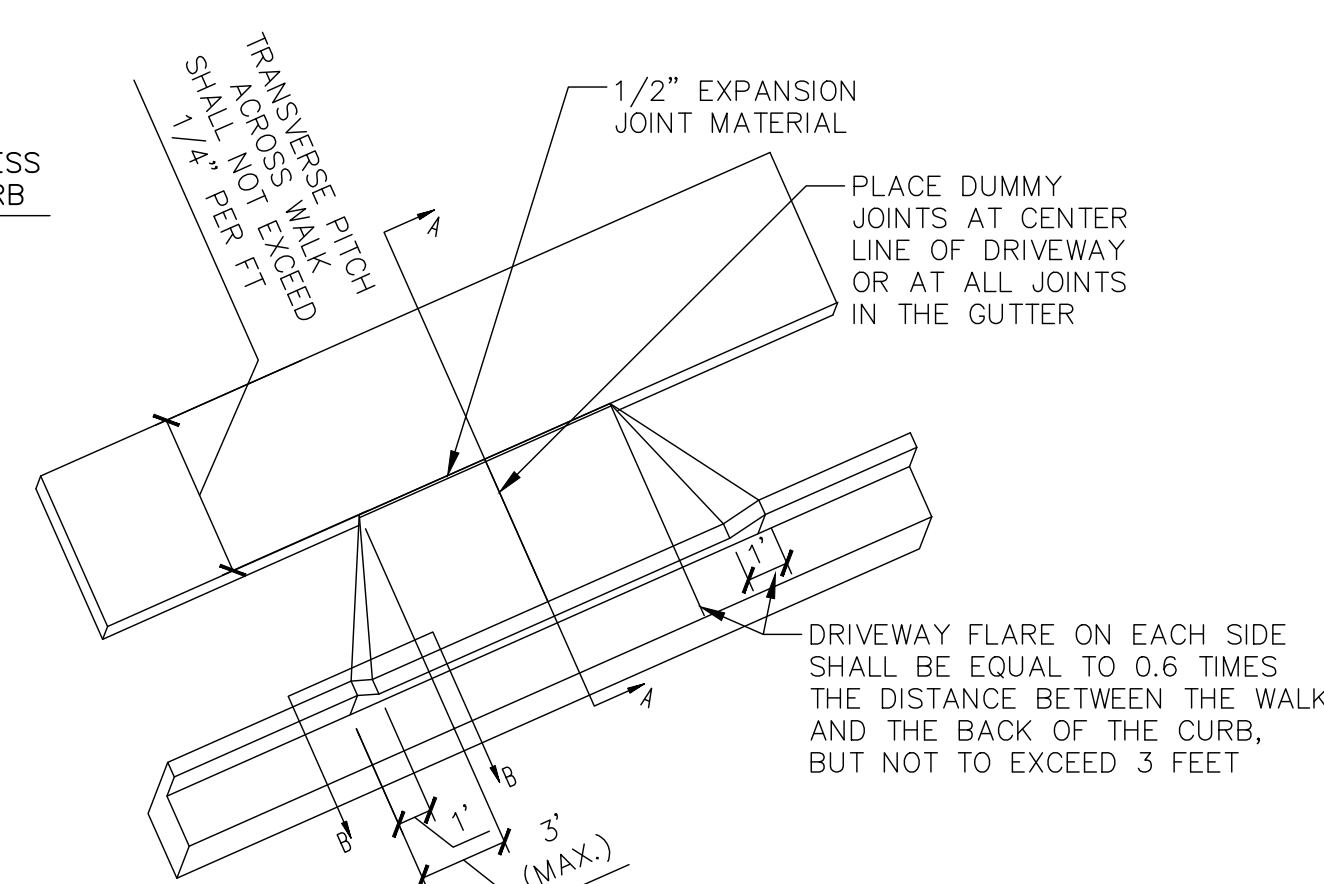
N.T.S.



A3 MANHOLE FRAME AND INTERNAL RUBBER SLEEVE SEALER DETAIL

SCALE

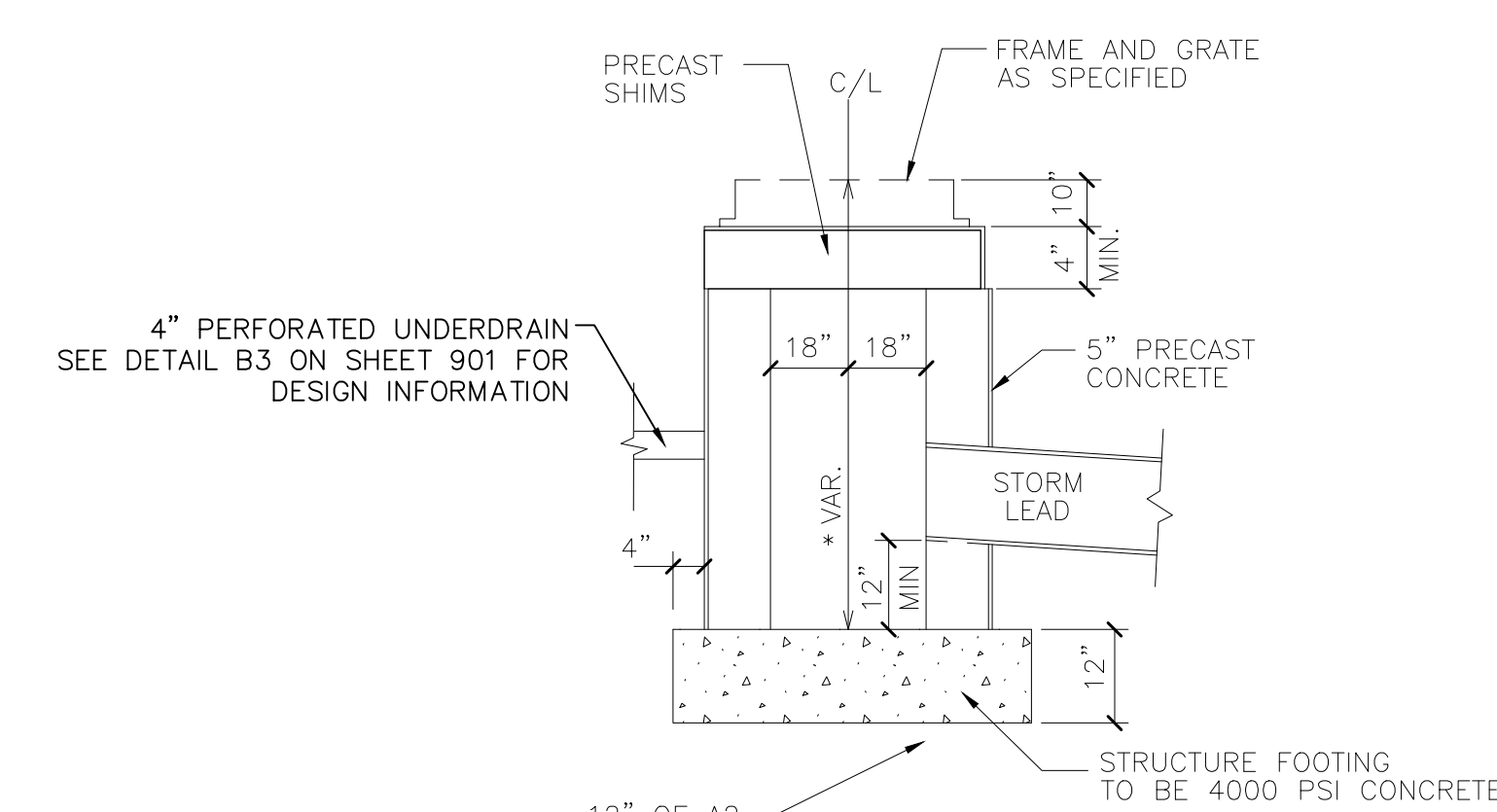
N.T.S.



B5 CATCH BASIN

SCALE

N.T.S.



A5 CLASS "C" BEDDING DETAIL FOR STORM SEWER

SCALE

N.T.S.

PROJECT INFORMATION:

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DATE: 03/29/2019
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SHEET NUMBER:

C902