

ALGOMA CRESCENT BEACH

Algoma, Wisconsin
AUGUST 4, 2020
ISSUED FOR CONSTRUCTION



PROJECT VICINITY MAP

Sheet List Table

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C-001	COVER SHEET
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CD100	SITE PREPERATION AND EROSION CONTROL
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CS500	SITE DETAILS
CG100	GRADING & UTILITY PLAN
CG500	UTILITY DETAILS
LP100	PLANTING PLAN
LP500	PLANTING DETAILS

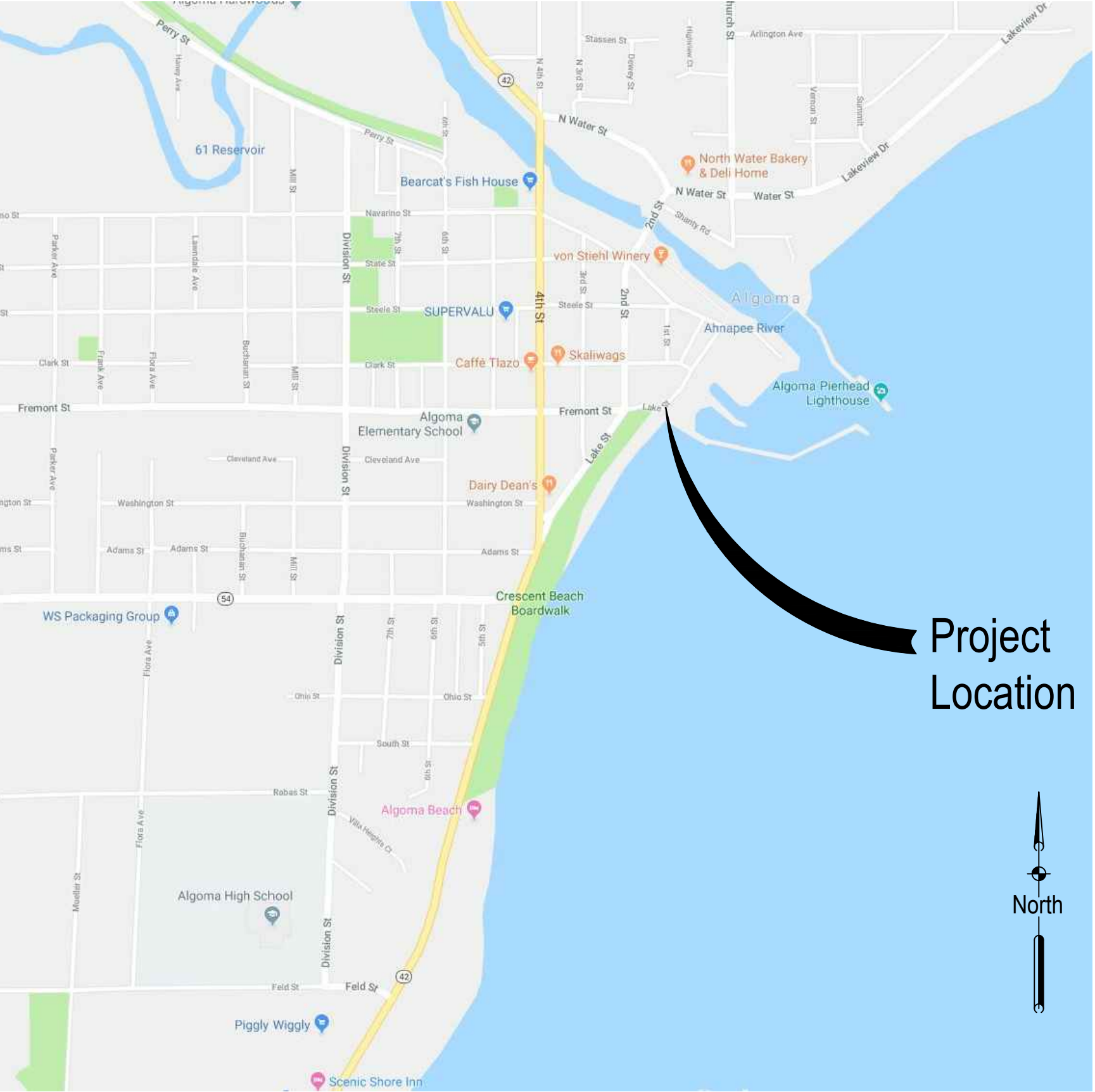
Prepared for:

City of Algoma
416 FREMONT STREET ALGOMA,
WI 54201 920.487.5203

Prepared by:

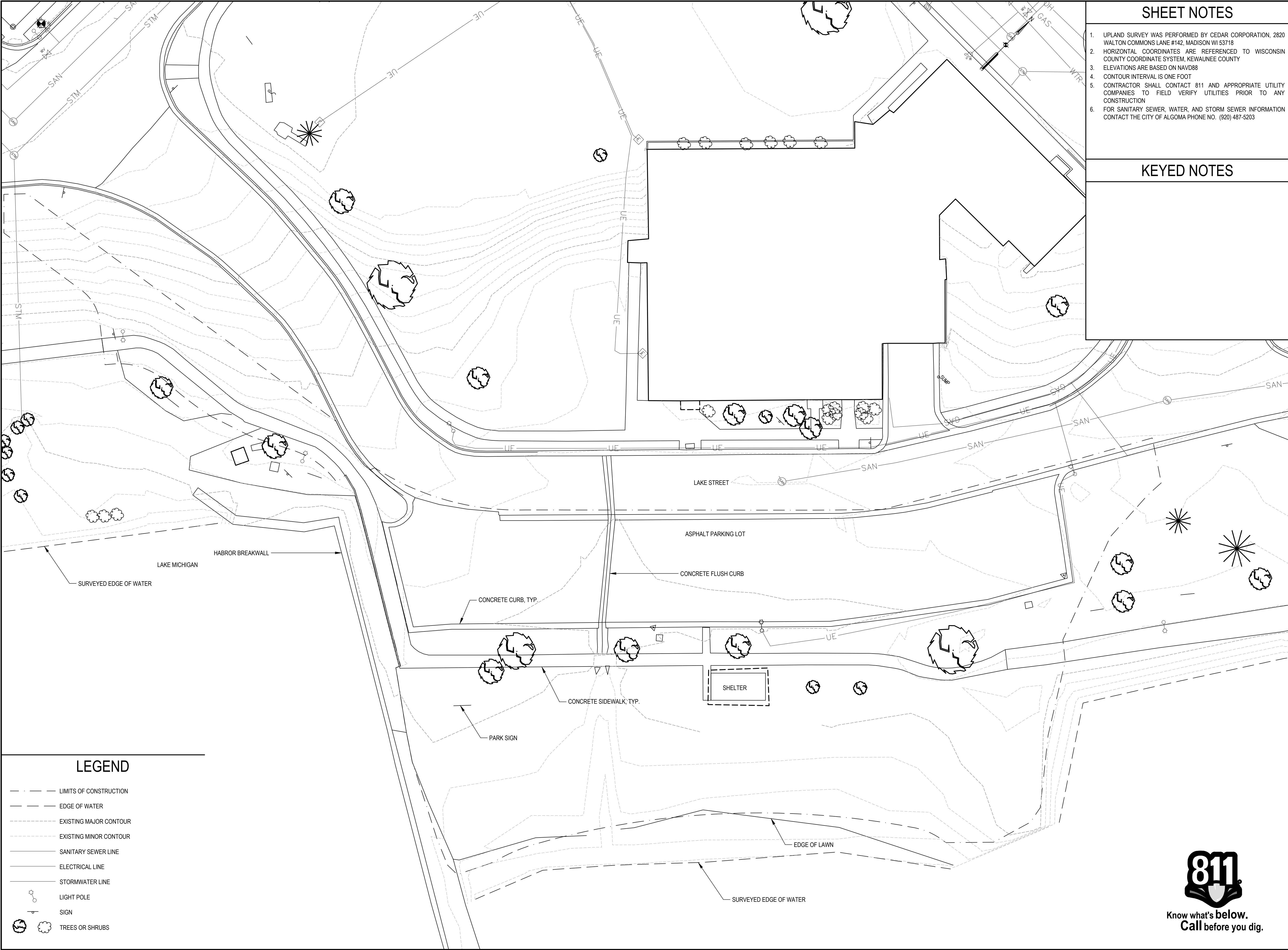
SMITHGROUP

44 EAST MIFFLIN STREET
SUITE 500
MADISON, WI 53703
608.251.1177
www.smithgroupjir.com



PROJECT LOCATION MAP

FILE: C:\Users\cnettt\SmithGroup Companies Inc\PRJ - 10618 - General\CAD\C\Sheets\10618-CV100.dwg USER: cnettt DATE: Aug. 17, 2020 TIME: 10:06 am



LEGEND

- LIMITS OF CONSTRUCTION
- - - EDGE OF WATER
- - - EXISTING MAJOR CONTOUR
- - - EXISTING MINOR CONTOUR
- SANITARY SEWER LINE
- ELECTRICAL LINE
- STORMWATER LINE
- LIGHT POLE
- SIGN
- TREES OR SHRUBS

SHEET NOTES

1. UPLAND SURVEY WAS PERFORMED BY CEDAR CORPORATION, 2820 WALTON COMMONS LANE #142, MADISON WI 53718
2. HORIZONTAL COORDINATES ARE REFERENCED TO WISCONSIN COUNTY COORDINATE SYSTEM, KEWAUNEE COUNTY
3. ELEVATIONS ARE BASED ON NAVD88
4. CONTOUR INTERVAL IS ONE FOOT
5. CONTRACTOR SHALL CONTACT 811 AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION
6. FOR SANITARY SEWER, WATER, AND STORM SEWER INFORMATION CONTACT THE CITY OF ALGOMA PHONE NO. (920) 487-5203

KEYED NOTES

CRESCENT BEACH

CITY OF ALGOMA,
416 FREMONT STREET
ALGOMA, WI (920)487-5203

Owner:
CITY OF ALGOMA

SMITHGROUP

44 EAST MIFFLIN STREET
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608.251.1177
www.smithgroup.com

Cedar Corp.
Surveyor
2820 WALTON COMMONS LANE, #142
MADISON, WI 53718
920-491-9081

ISSUED FOR	REV	DATE
BID		JULY 3, 2019
BID		FEB 21, 2020
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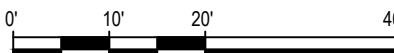
SEALS AND SIGNATURES



KEY PLAN



DRAWING TITLE
EXISTING CONDITIONS PLAN



SCALE:

SCALE

PROJECT NUMBER

CV100

DRAWING NUMBER



Know what's below.
Call before you dig.

EROSION CONTROL NOTES

- | | | |
|-----|--|---|
| 1. | POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED. THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR. | SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED. |
| 2. | KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT. | |
| 3. | SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION. | 12. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004 OR AS SPECIFIED. |
| 4. | CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST. | 13. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT. |
| 5. | INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS); MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE; MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL. | 14. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062. |
| 6. | REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topics/stormwater/standards/const_standards.html . | 15. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071. |
| 8. | INSTALL PERIMETER EROSION CONTROLS AND ROCK TRUCKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING GRADING, USING UDNR TECHNICAL STANDARD STONE TRUCKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S). | 16. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL. IF STOCKPILES WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER, IMMEDIATELY STABILIZE DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH EROSION CONTROL MAT AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE. |
| 9. | INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060. | 17. IMMEDIATELY STABILIZE DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH EROSION CONTROL MAT AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE. |
| 10. | STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA, CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067. | 18. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE. |
| 11. | COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063. | 19. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY. SEPARATE SWEEPED MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY. |
| 11. | NOTIFY WDNR IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF | 20. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068. |
| | | 21. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS |

- (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
22. COORDINATE WITH WDNr TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERM).
23. FOR NON-CANALIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE WisDOT APPROVED CLASS 1, URBAN, TYPE B EROSION CONTROL BLANKET. INSTALL AND MAINTAIN PER WDNr TECHNICAL STANDARD.
24. FOR CANALIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE APPROPRIATE (BASED ON SHEAR STRESS) BIODEGRADABLE EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WOODT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNr TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
25. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
26. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLE SWALES, ETC.).
27. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNr REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNr'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <http://dnr.wi.gov/bowt>.

SHEET NOTES

1. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO STARTING WORK. IN ALL CASES WHERE A CONFLICT MAY OCCUR, THE ENGINEER SHALL BE NOTIFIED AND WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS.
2. PRIOR TO THE COMMENCEMENT OF WORK, VERIFY LOCATIONS AND DEPTHS OF ALL UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY CONSTRUCTION AND TAKE RESPONSIBILITY FOR DAMAGES TO SUCH UTILITIES CAUSED AS A RESULT OF CONSTRUCTION.
3. TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION, INCLUDING DAMAGES TO UTILITIES, WALKS, WALLS, DRIVES, CURBS, ETC. FENCE CONSTRUCTION AREAS THAT WILL BE DISTURBED FOR LONGER THAN A WORK DAY.
4. SECURE ALL NECESSARY PERMITS AND NOTIFY ALL UTILITY COMPANIES WITH UTILITIES ON THE SITE PRIOR TO THE CONSTRUCTION OF THE PROJECT. ADHERE TO ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS OR REGULATIONS PERTAINING TO THE PROJECT.
5. ESTABLISH AND MAINTAIN SITE SECURITY UNTIL PROJECT ACCEPTANCE.
6. USE DIMENSIONS SHOWN ON DRAWINGS FOR LAYOUT OF THE WORK. DO NOT USE SCALE DIMENSIONS FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
7. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON DRAWINGS.
8. DISPOSE ALL ELEMENTS DESIGNATED FOR REMOVAL IN A LEGAL MANNER. PROVIDE RECEIPTS AND LETTERS FROM DISPOSAL SITES TO OWNER AS REQUIRED BY THE OWNER.
9. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
10. COORDINATE WORK OF SUBCONTRACTORS AND ALL OTHER CONTRACTORS TO ENSURE ORDERLY AND EFFICIENT COMPLETION OF ALL WORK.

CRESCENT BEACH

CITY OF ALGOMA,
416 FREMONT STREET
ALGOMA, WI (920)487-5203

Owner:

CITY OF ALGOMA

SMITHGROUP

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Cedar Corp.
Surveyor
2820 WALTON COMMONS LANE, #142
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920-491-9081

[illegible]

SEALS AND SIGNATURES



KEYED NOTES

- A** SALVAGE SHELTER, COORDINATE WITH OWNER
- B** PROTECT BREAKWALL
- C** REMOVE RIPRAP
- D** REMOVE CONCRETE SIDEWALK
- E** REMOVE ASPHALT
- F** REMOVE CONCRETE STORMWATER CHANNEL
- G** RELOCATE LIGHT POLE, SEE CS101
- H** REGRADE REMOVED STORMWATER OUTFALL TO MATCH ADJACENT BEACH GRADES
- I** STABILIZE BIORETENTION AREA AND SLOPES GREATER THAN 3:1 WITH EROSION CONTROL BLANKET, SEE 4CD500
- J** RELOCATE TREES, COORDINATE WITH OWNER
- K** SALVAGE TRASH BIN, COORDINATE WITH OWNER
- L** RELOCATE PARK SIGN, SEE CS101

LEGEND

- | | |
|---|---|
|  | ① LIMITS OF CONSTRUCTION |
|  | ② SILT FENCE, SEE 1/CD500 |
|  | ③ STABILIZED CONSTRUCTION ENTRANCE, SEE 3/CD500 |
|  | ④ LIMITS OF REMOVAL |
| | ⑤ NOT USED |
|  | ⑥ REMOVE UTILITIES |
|  | ⑦ REMOVE CURB |
|  | ⑧ TREE REMOVAL |
|  | ⑨ TREE PROTECTION FENCE, SEE 2/CD500 |
|  | ⑩ PROTECT |
|  | ⑪ REMOVE |
|  | ⑫ RELOCATE |
|  | ⑬ SALVAGE |
|  | ⑭ CAP UTILITY |
|  | ⑮ CONCRETE WASH OUT, SEE 5/CD500 |



Know what's **below**.
Call before you dig.

KEY PLAN



DRAWING TITLE
SITE PREPERATION AND
EROSION CONTROL

0' 10' 20' 40'

SCALE:

SCALE

PROJECT NUMBER

CD100

DRAWING NUMBER

CITY OF ALGOMA,
416 FREMONT STREET
ALGOMA, WI (920)487-5203

CITY OF ALGOMA

44 EAST MIFFLIN STREET
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[illegible]

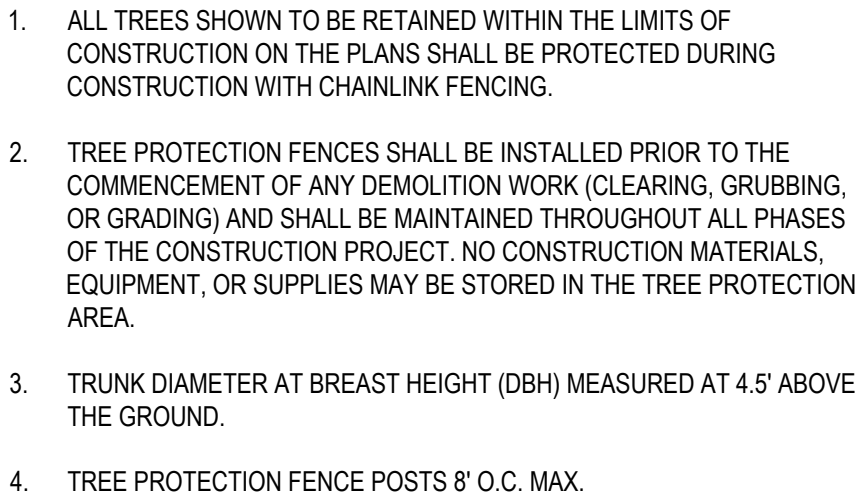
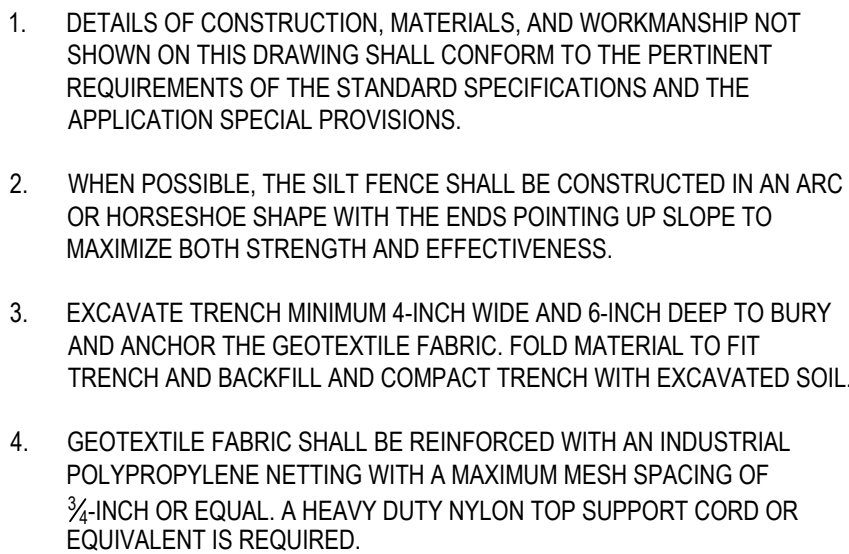
WISCONSIN
ROBERT S. WRIGHT
E-34561
MADISON, WI
PROFESSIONAL ENGINEER
APRIL 17, 2020

DRAWING TITLE

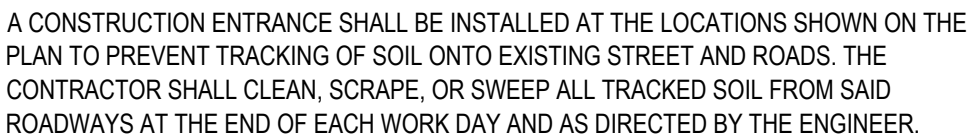
SITE PREPERATION AND
EROSION CONTRIL DETAILS

10618

CD500

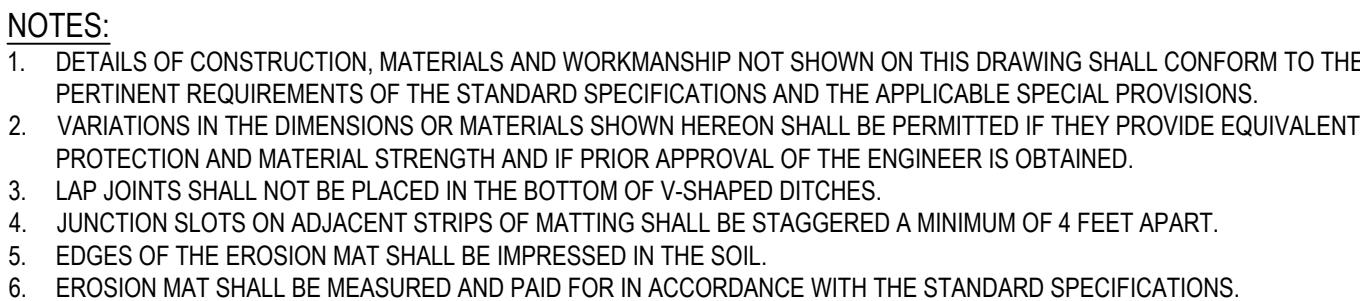


NTS



NTS

NTS



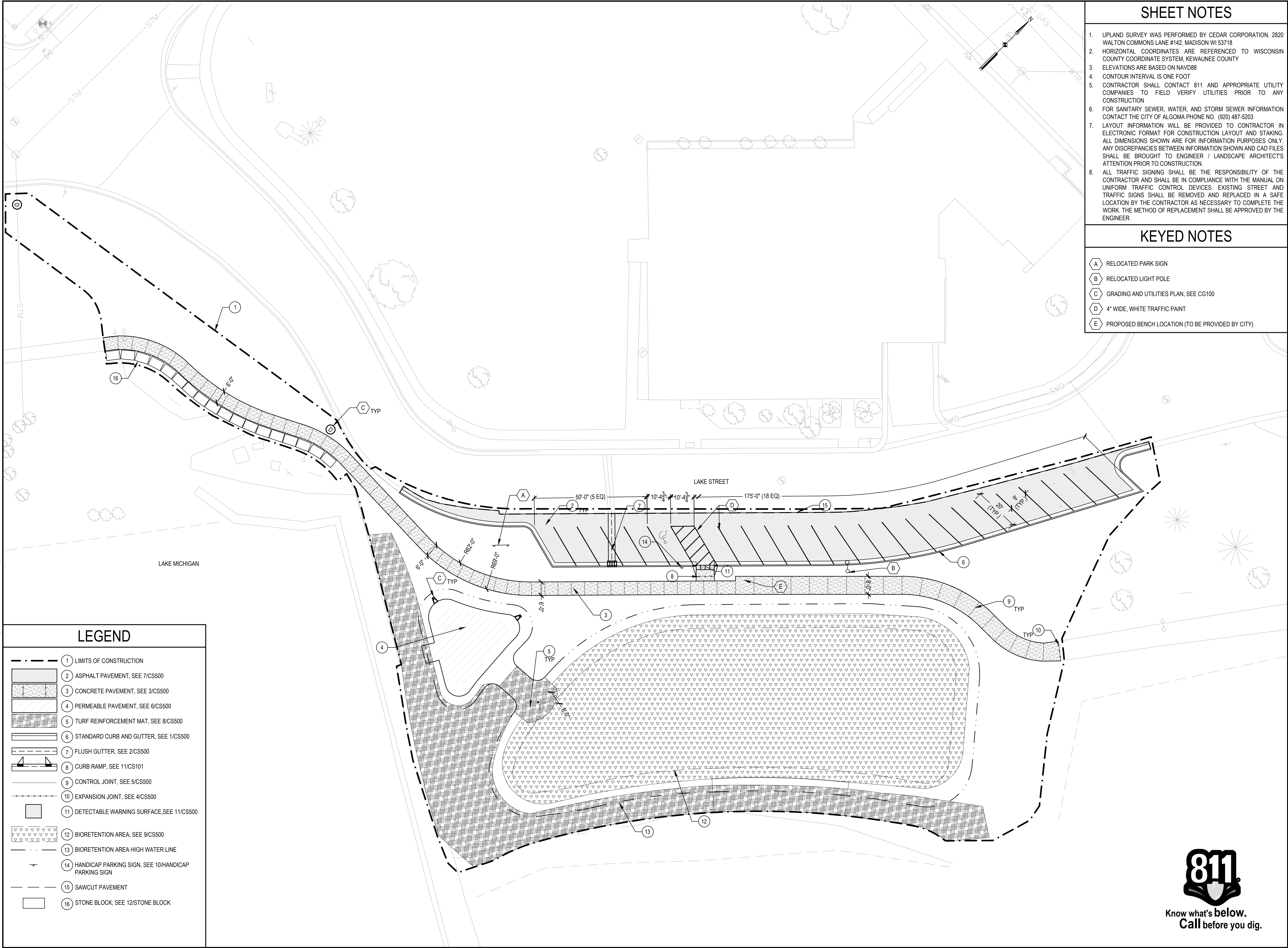
- ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.
- WOOD STAKES FOR SOD MAY BE OMITTED IF THE EXISTING SLOPE AND SOIL CONDITIONS SO PERMIT.
- THE WIDTH OF EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.
- SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

- JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET ON GRADES EXCEEDING 3 PERCENT.

NTS



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SHEET NOTES

1. UPLAND SURVEY WAS PERFORMED BY CEDAR CORPORATION, 2820 WALTON COMMONS LANE #142, MADISON WI 53718
2. HORIZONTAL COORDINATES ARE REFERENCED TO WISCONSIN COUNTY COORDINATE SYSTEM, KEWAUNEE COUNTY
3. ELEVATIONS ARE BASED ON NAVD88
4. CONTOUR INTERVAL IS ONE FOOT
5. CONTRACTOR SHALL CONTACT 811 AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION
6. FOR SANITARY SEWER, WATER, AND STORM SEWER INFORMATION CONTACT THE CITY OF ALGOMA PHONE NO. (920) 487-5203
7. LAYOUT INFORMATION WILL BE PROVIDED TO CONTRACTOR IN ELECTRONIC FORMAT FOR CONSTRUCTION LAYOUT AND STAKING. ALL DIMENSIONS SHOWN ARE FOR INFORMATION PURPOSES ONLY. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN AND CAD FILES SHALL BE BROUGHT TO ENGINEER / LANDSCAPE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION.
8. ALL TRAFFIC SIGNING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. EXISTING STREET AND TRAFFIC SIGNS SHALL BE REMOVED AND REPLACED IN A SAFE LOCATION BY THE CONTRACTOR AS NECESSARY TO COMPLETE THE WORK. THE METHOD OF REPLACEMENT SHALL BE APPROVED BY THE ENGINEER.

KEYED NOTES

- A RELOCATED PARK SIGN
- B RELOCATED LIGHT POLE
- C GRADING AND UTILITIES PLAN, SEE CG100
- D 4" WIDE, WHITE TRAFFIC PAINT
- E PROPOSED BENCH LOCATION (TO BE PROVIDED BY CITY)

CRESCENT BEACH

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SEALS AND SIGNATURES



KEY PLAN



DRAWING TITLE
LAYOUT & MATERIALS PLAN



SCALE:

SCALE 10618

PROJECT NUMBER

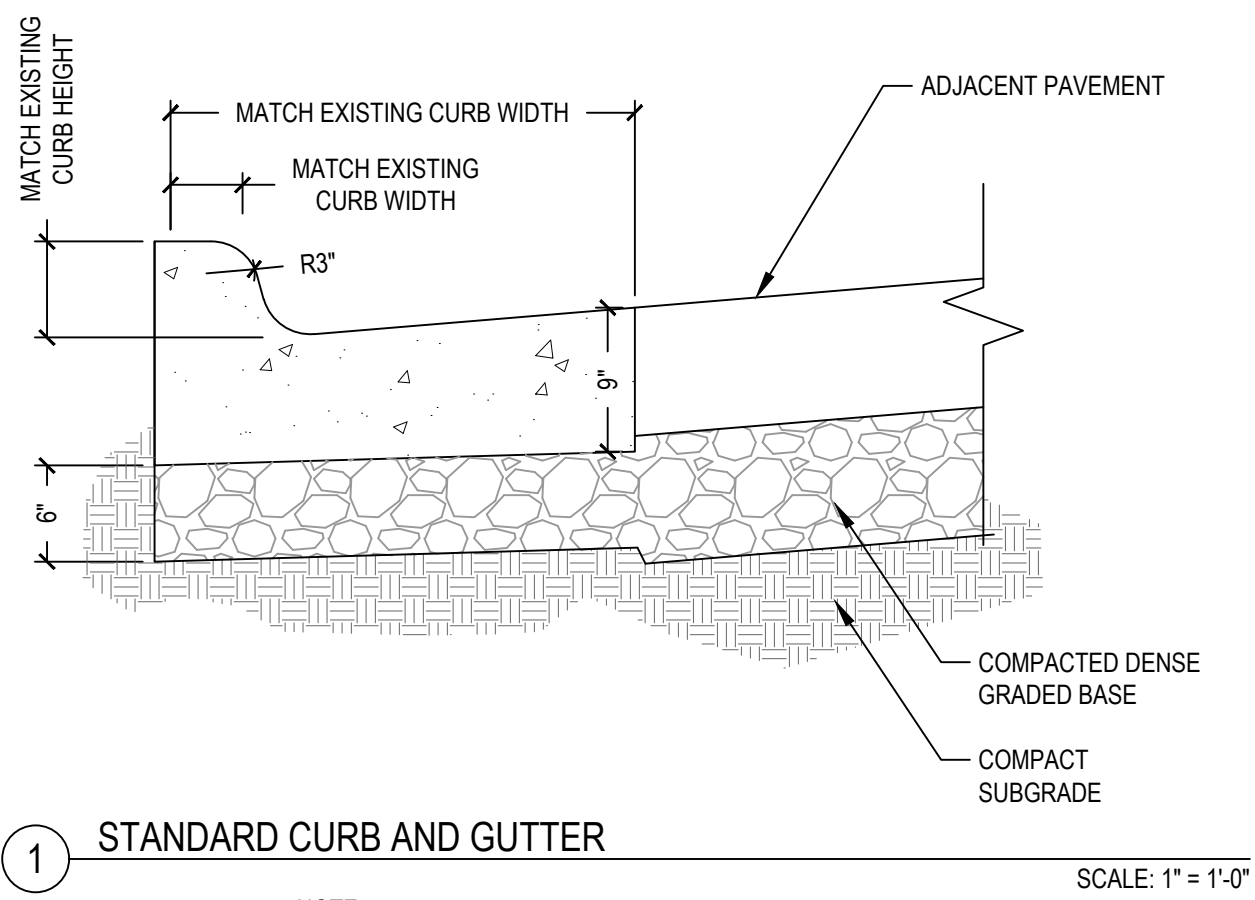
CS101

DRAWING NUMBER

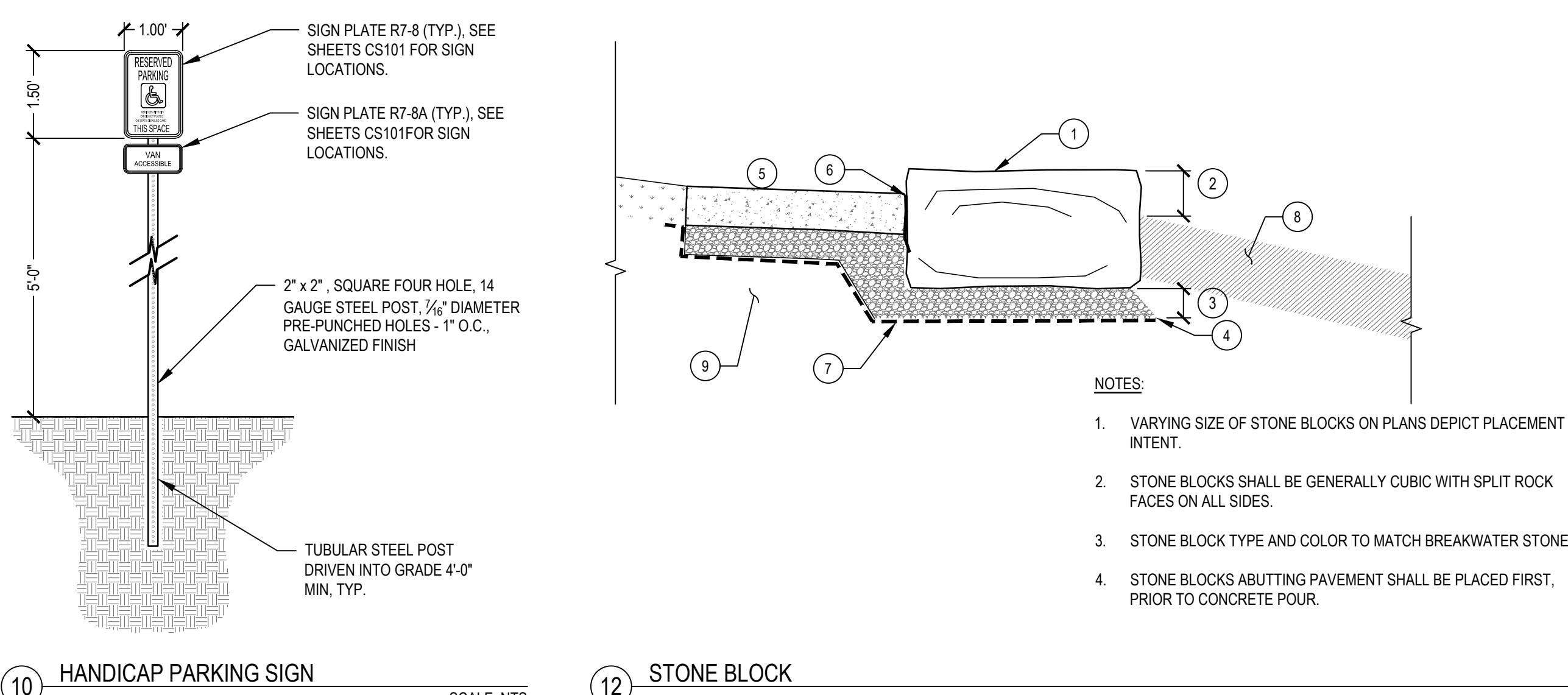
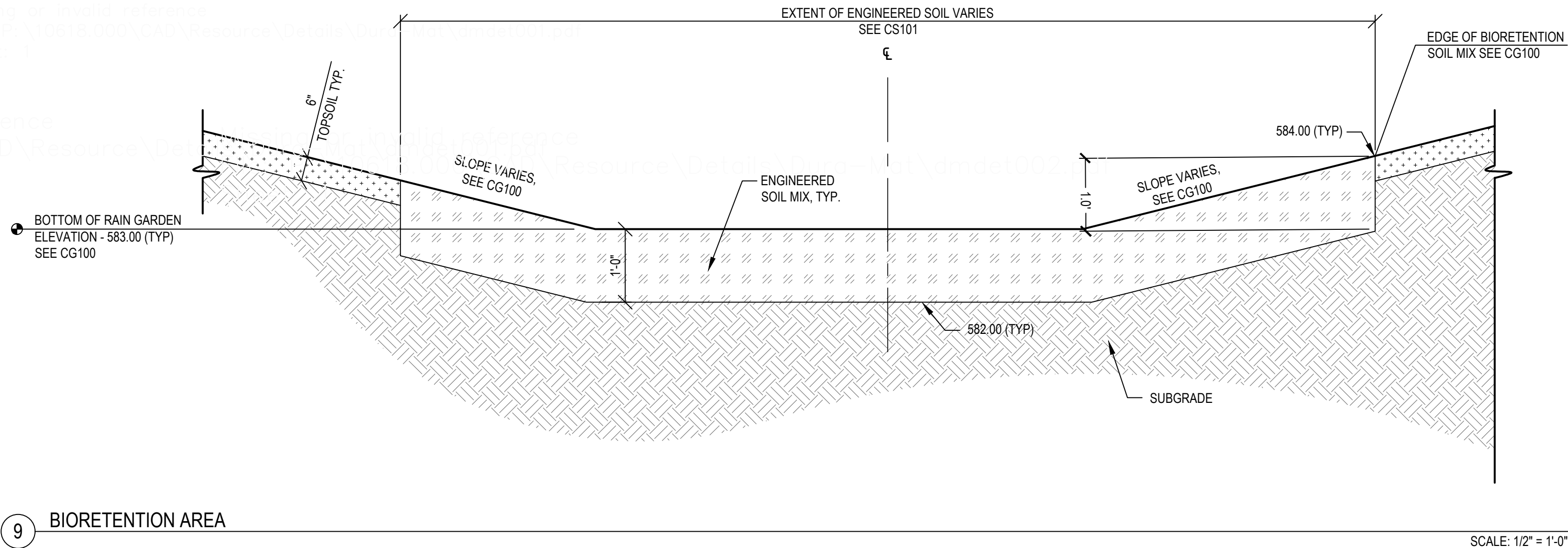
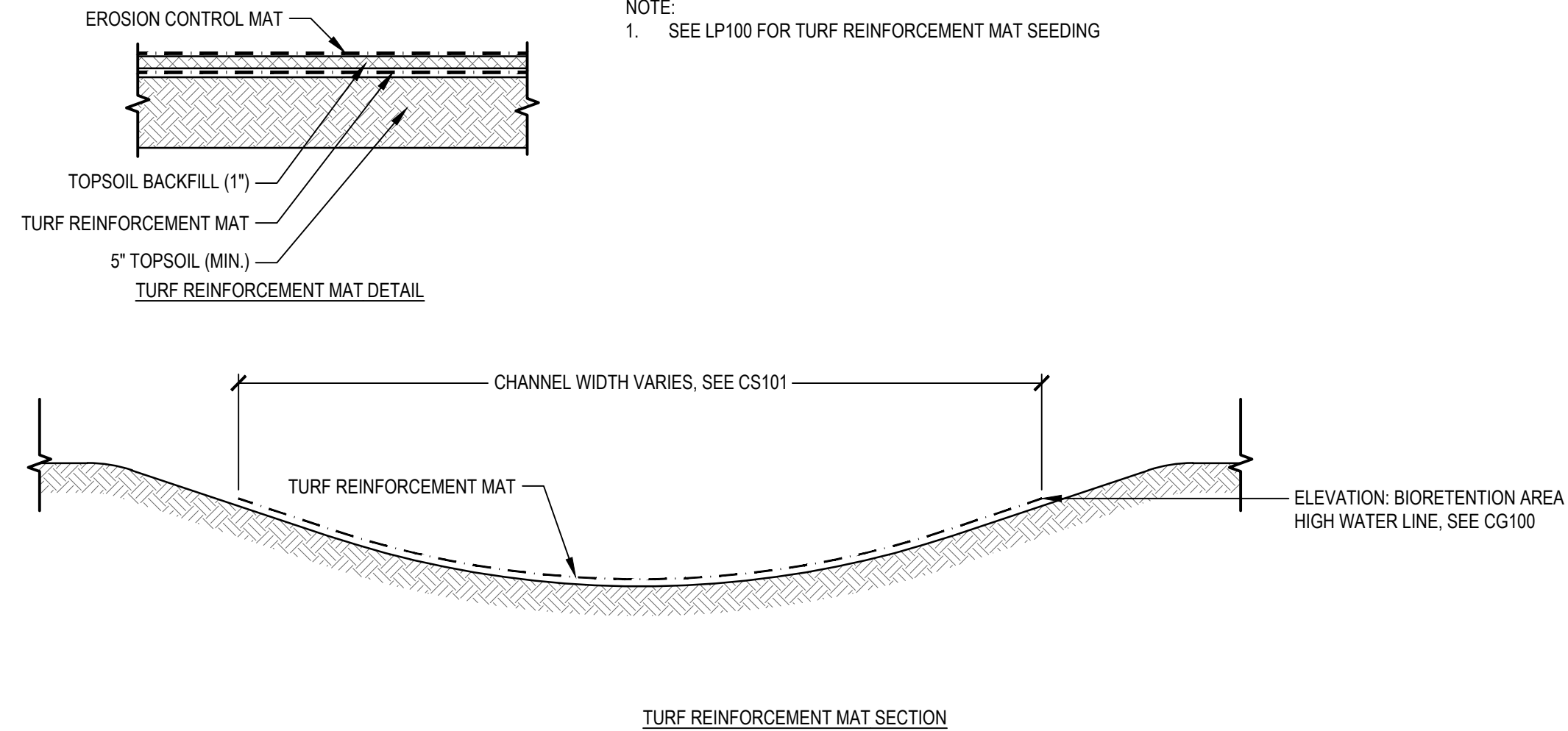
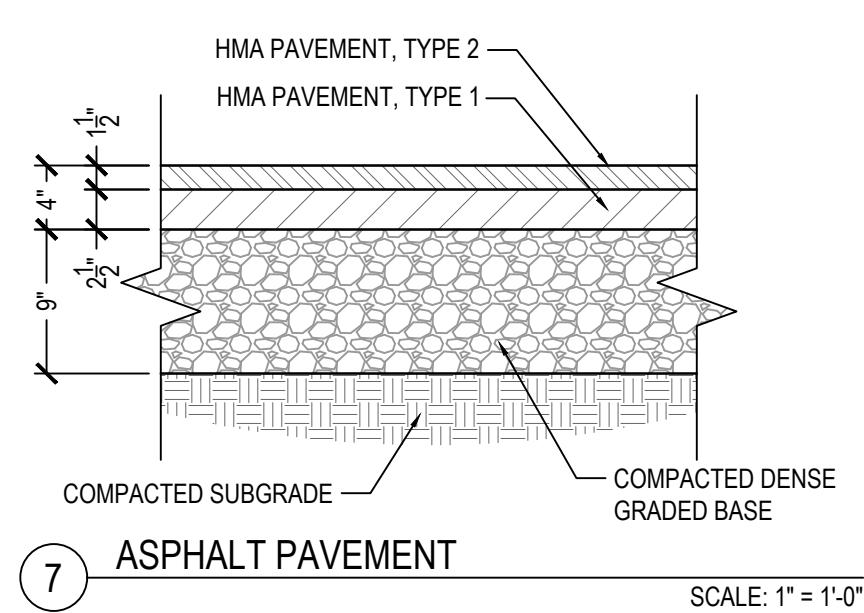
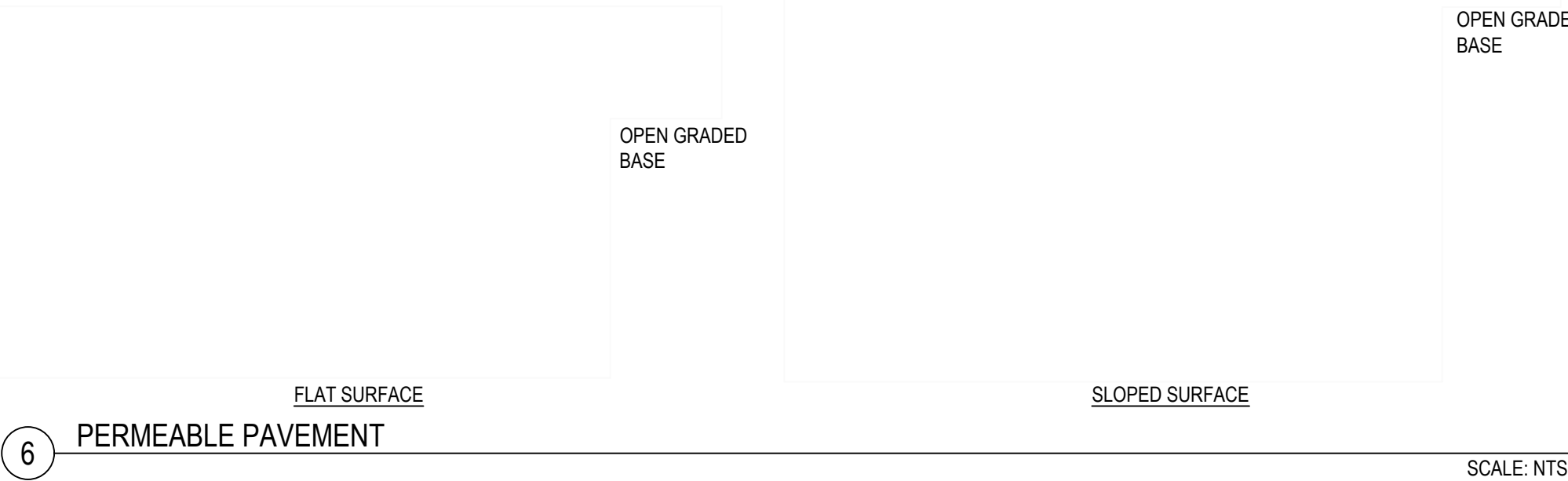
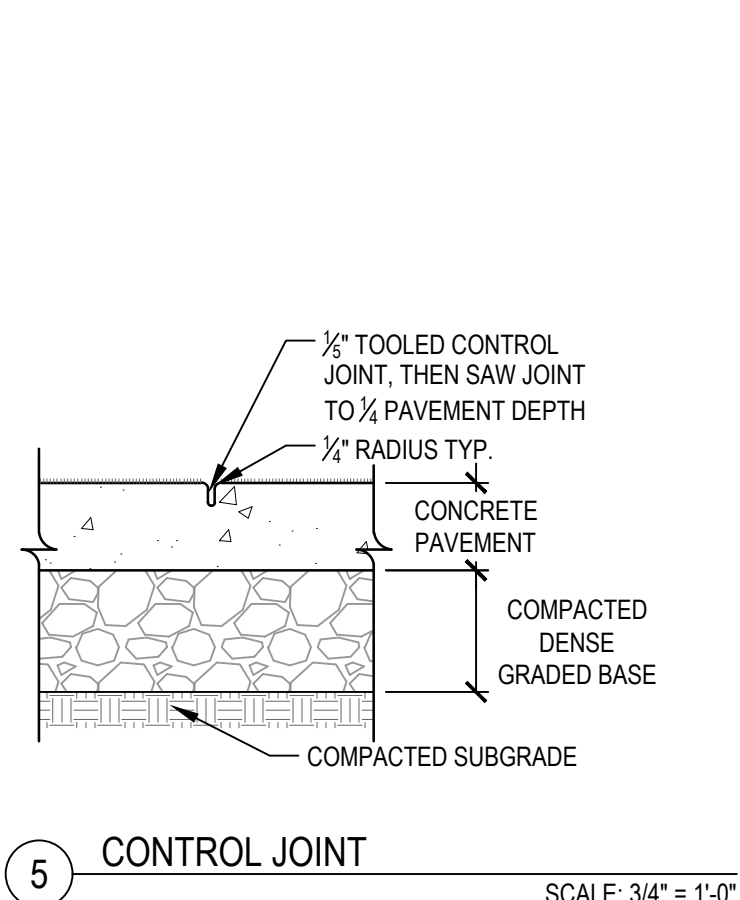
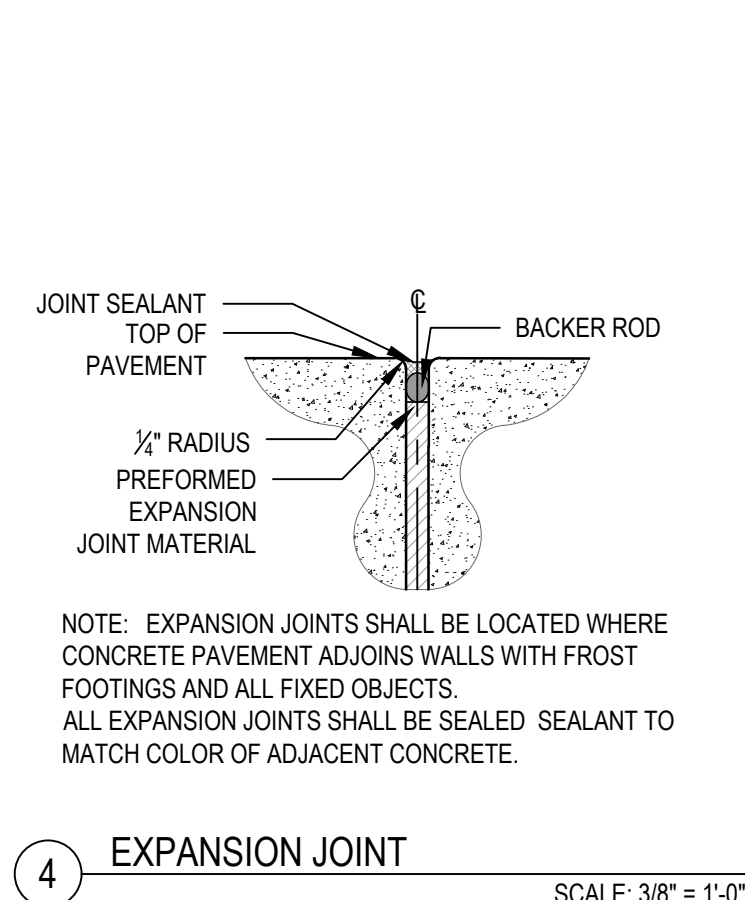
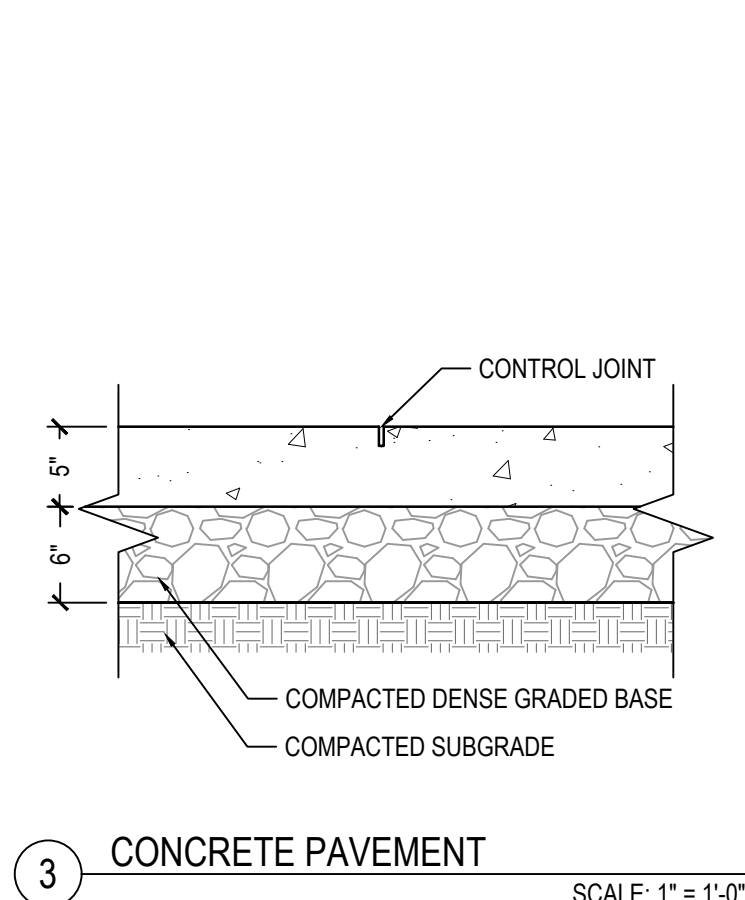
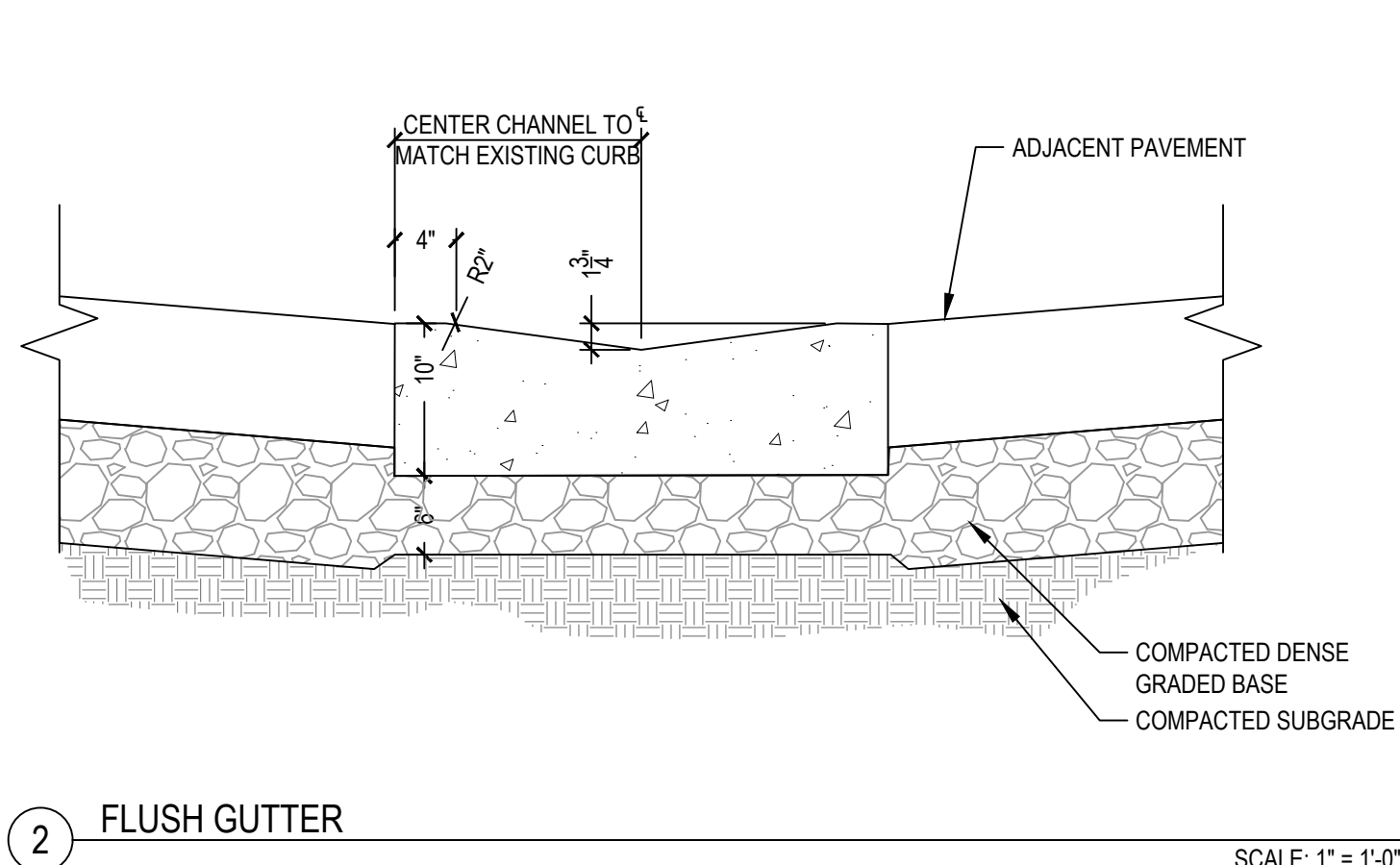


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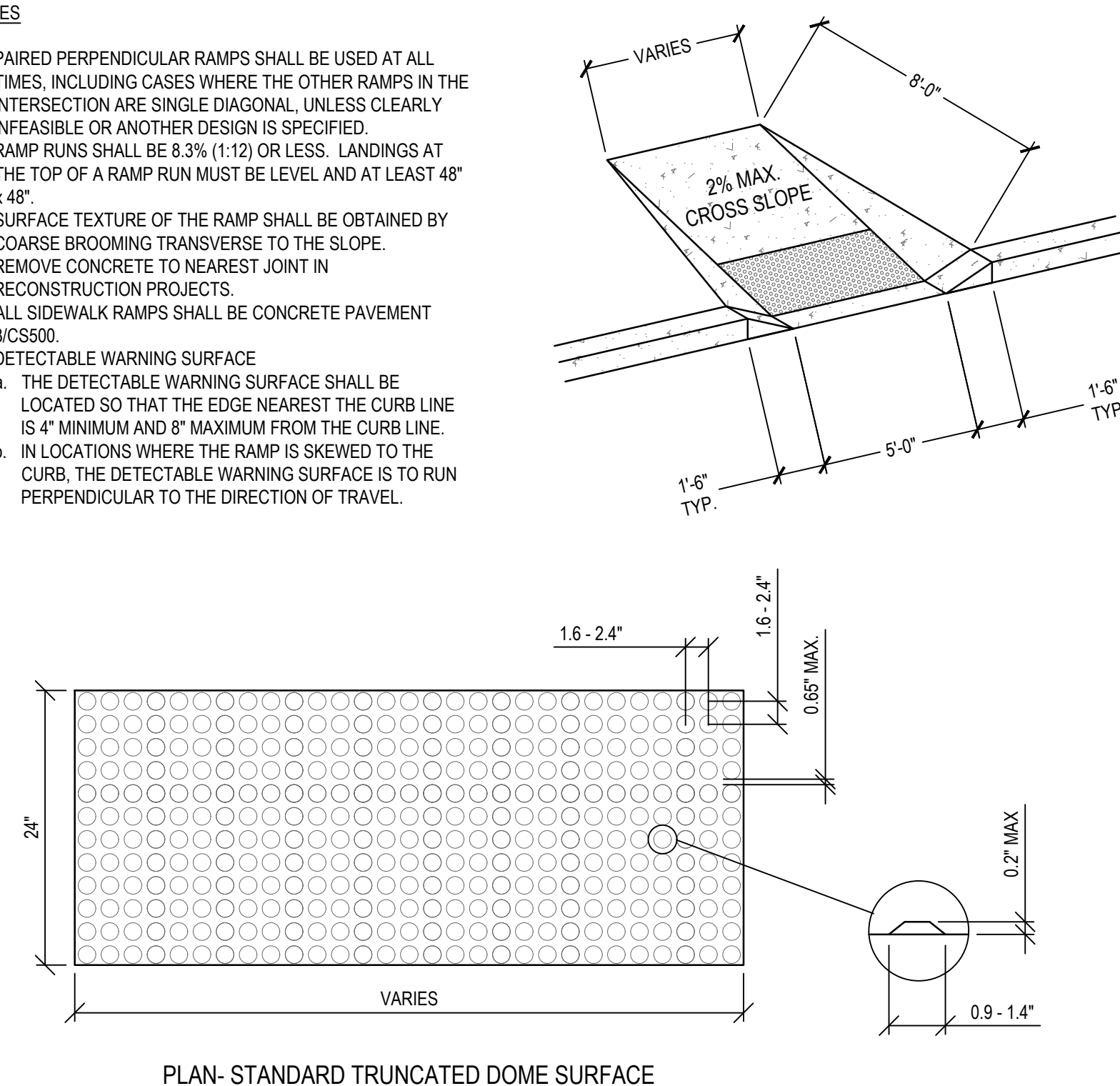


- NOTE:
1. UNILOCK DURA-MAT UNIT PAVER OR APPROVED EQUAL
 2. SEE LP100 FOR MAT SEEDING
 3. DETAIL SHOWN FOR REFERENCE ONLY.



- NOTES:
1. VARYING SIZE OF STONE BLOCKS ON PLANS DEPICT PLACEMENT INTENT.
 2. STONE BLOCKS SHALL BE GENERALLY CUBIC WITH SPLIT ROCK FACES ON ALL SIDES.
 3. STONE BLOCK TYPE AND COLOR TO MATCH BREAKWATER STONE.
 4. STONE BLOCKS ABUTTING PAVEMENT SHALL BE PLACED FIRST, PRIOR TO CONCRETE POUR.

- NOTES
1. PAIRED PERPENDICULAR RAMPS SHALL BE USED AT ALL TIMES, INCLUDING CASES WHERE THE OTHER RAMPS IN THE INTERSECTION ARE SINGLE DIAGONAL, UNLESS CLEARLY INFEASIBLE OR ANOTHER DESIGN IS SPECIFIED.
 2. RAMP RUNS SHALL BE 8.3% (1:12) OR LESS. LANDINGS AT THE TOP OF A RAMP RUN MUST BE LEVEL AND AT LEAST 48" x 48".
 3. SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE.
 4. REMOVE CONCRETE TO NEAREST JOINT IN RECONSTRUCTION PROJECTS.
 5. ALL SIDEWALK RAMPS SHALL BE CONCRETE PAVEMENT 3/CS500.
 6. DETECTABLE WARNING SURFACE
 - a. THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 4" MINIMUM AND 8" MAXIMUM FROM THE CURB LINE.
 - b. IN LOCATIONS WHERE THE RAMP IS SKEWED TO THE CURB, THE DETECTABLE WARNING SURFACE IS TO RUN PERPENDICULAR TO THE DIRECTION OF TRAVEL.



PLAN- STANDARD TRUNCATED DOME SURFACE

CRESCENT BEACH

CITY OF ALGOMA,
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KEY PLAN



DRAWING TITLE

SITE DETAILS

SCALE

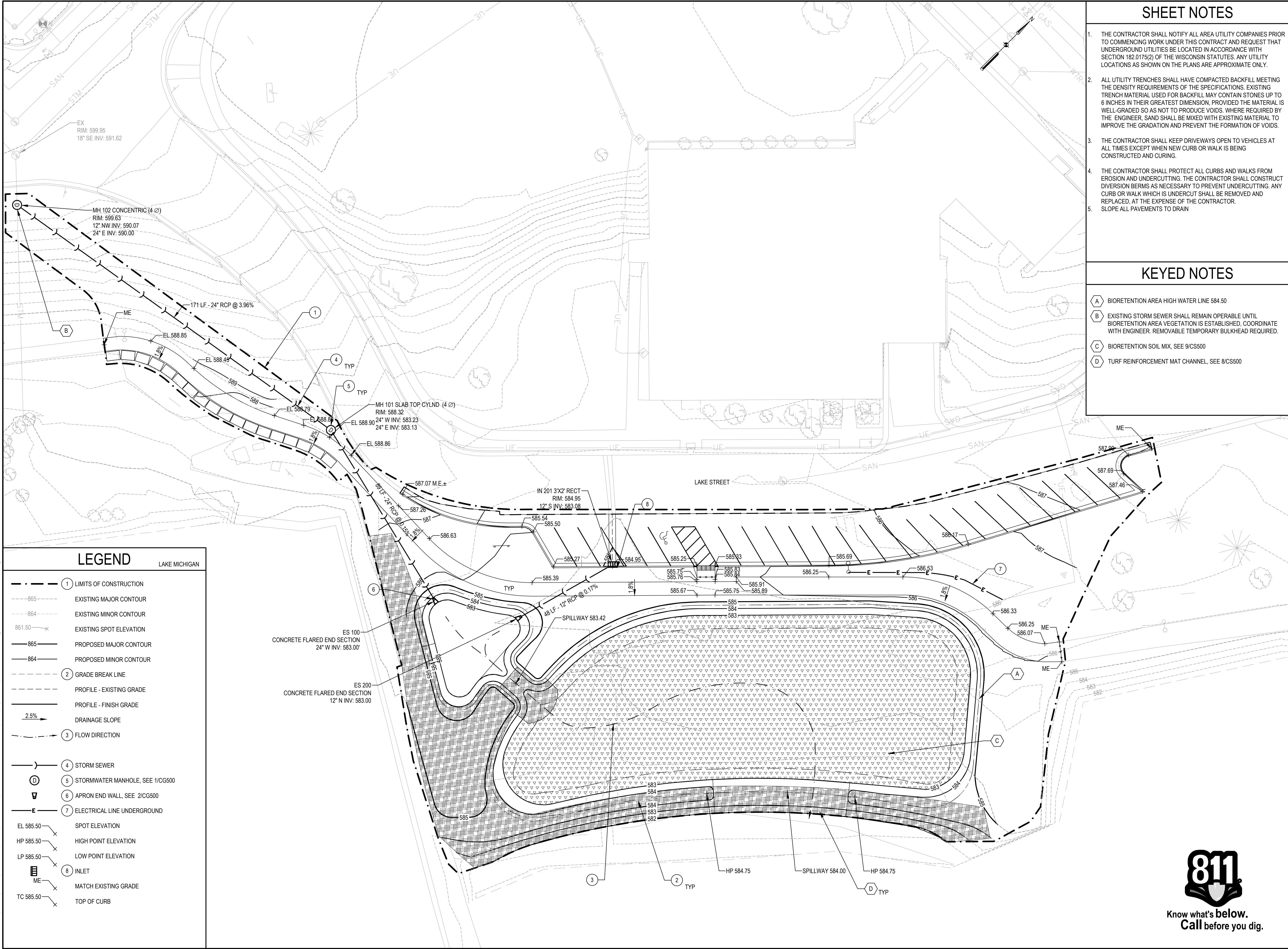
10618

PROJECT NUMBER

CS500

DRAWING NUMBER

FILE: C:\Users\cnet\SmithGroup Companies Inc\PRJ - 0618 - General\CAD\CG\Sheets\0618-CG100.dwg USER: cnet DATE: Aug. 17, 2020 TIME: 10:09 am



SHEET NOTES

1. THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCING WORK UNDER THIS CONTRACT AND REQUEST THAT UNDERGROUND UTILITIES BE LOCATED IN ACCORDANCE WITH SECTION 182.0175(2) OF THE WISCONSIN STATUTES. ANY UTILITY LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY.
2. ALL UTILITY TRENCHES SHALL HAVE COMPACTED BACKFILL MEETING THE DENSITY REQUIREMENTS OF THE SPECIFICATIONS. EXISTING TRENCH MATERIAL USED FOR BACKFILL MAY CONTAIN STONES UP TO 6 INCHES IN THEIR GREATEST DIMENSION, PROVIDED THE MATERIAL IS WELL-GRADED SO AS NOT TO PRODUCE VOIDS. WHERE REQUIRED BY THE ENGINEER, SAND SHALL BE MIXED WITH EXISTING MATERIAL TO IMPROVE THE GRADATION AND PREVENT THE FORMATION OF VOIDS.
3. THE CONTRACTOR SHALL KEEP DRIVEWAYS OPEN TO VEHICLES AT ALL TIMES EXCEPT WHEN NEW CURB OR WALK IS BEING CONSTRUCTED AND CURING.
4. THE CONTRACTOR SHALL PROTECT ALL CURBS AND WALKS FROM EROSION AND UNDERCUTTING. THE CONTRACTOR SHALL CONSTRUCT DIVERSION BERMS AS NECESSARY TO PREVENT UNDERCUTTING. ANY CURB OR WALK WHICH IS UNDERCUT SHALL BE REMOVED AND REPLACED, AT THE EXPENSE OF THE CONTRACTOR.
5. SLOPE ALL PAVEMENTS TO DRAIN

KEYED NOTES

- A BIORETENTION AREA HIGH WATER LINE 584.50
- B EXISTING STORM SEWER SHALL REMAIN OPERABLE UNTIL BIORETENTION AREA VEGETATION IS ESTABLISHED, COORDINATE WITH ENGINEER. REMOVABLE TEMPORARY BULKHEAD REQUIRED.
- C BIORETENTION SOIL MIX, SEE 9/CS500
- D TURF REINFORCEMENT MAT CHANNEL, SEE 8/CS500

CRESCENT BEACH

CITY OF ALGOMA,
416 FREMONT STREET
ALGOMA, WI (920)487-5203

Owner:

CITY OF ALGOMA

SMITHGROUP

44 EAST MIFFLIN STREET
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MADISON, WI 53703
608.251.1177
www.smithgroup.com

Cedar Corp.
Surveyor
2820 WALTON COMMONS LANE, #142
MADISON, WI 53718
920-491-9081

ISSUED FOR	REV	DATE
BID		JULY 3, 2019
BID		FEB 21, 2020
BID		APR 17, 2020
ISSUED FOR CONSTRUCTION		AUG 4, 2020

SEALS AND SIGNATURES



KEY PLAN



DRAWING TITLE
GRADING & UTILITY PLAN

0' 10' 20' 40'

SCALE:

SCALE 10618

PROJECT NUMBER

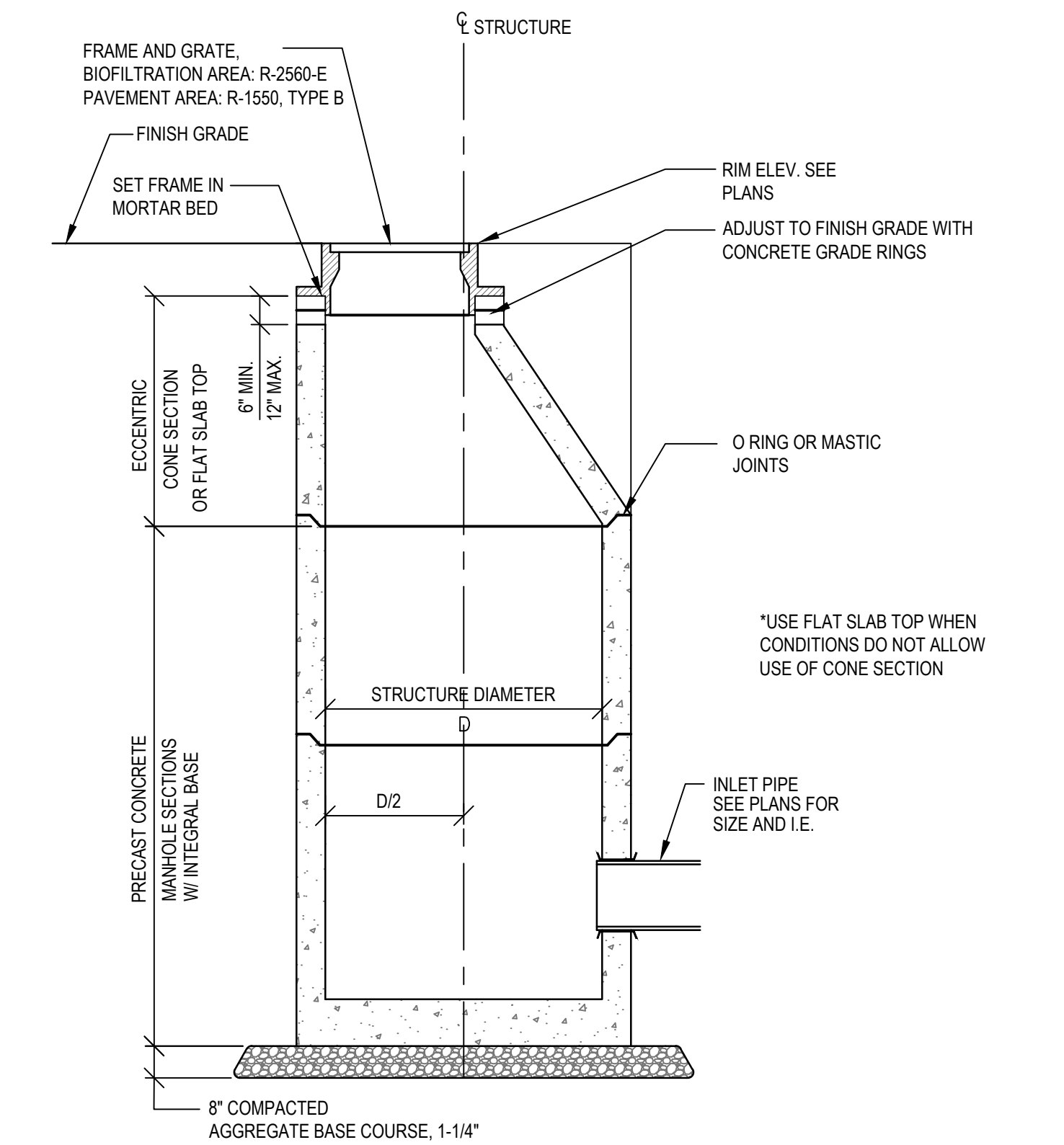
CG100

DRAWING NUMBER



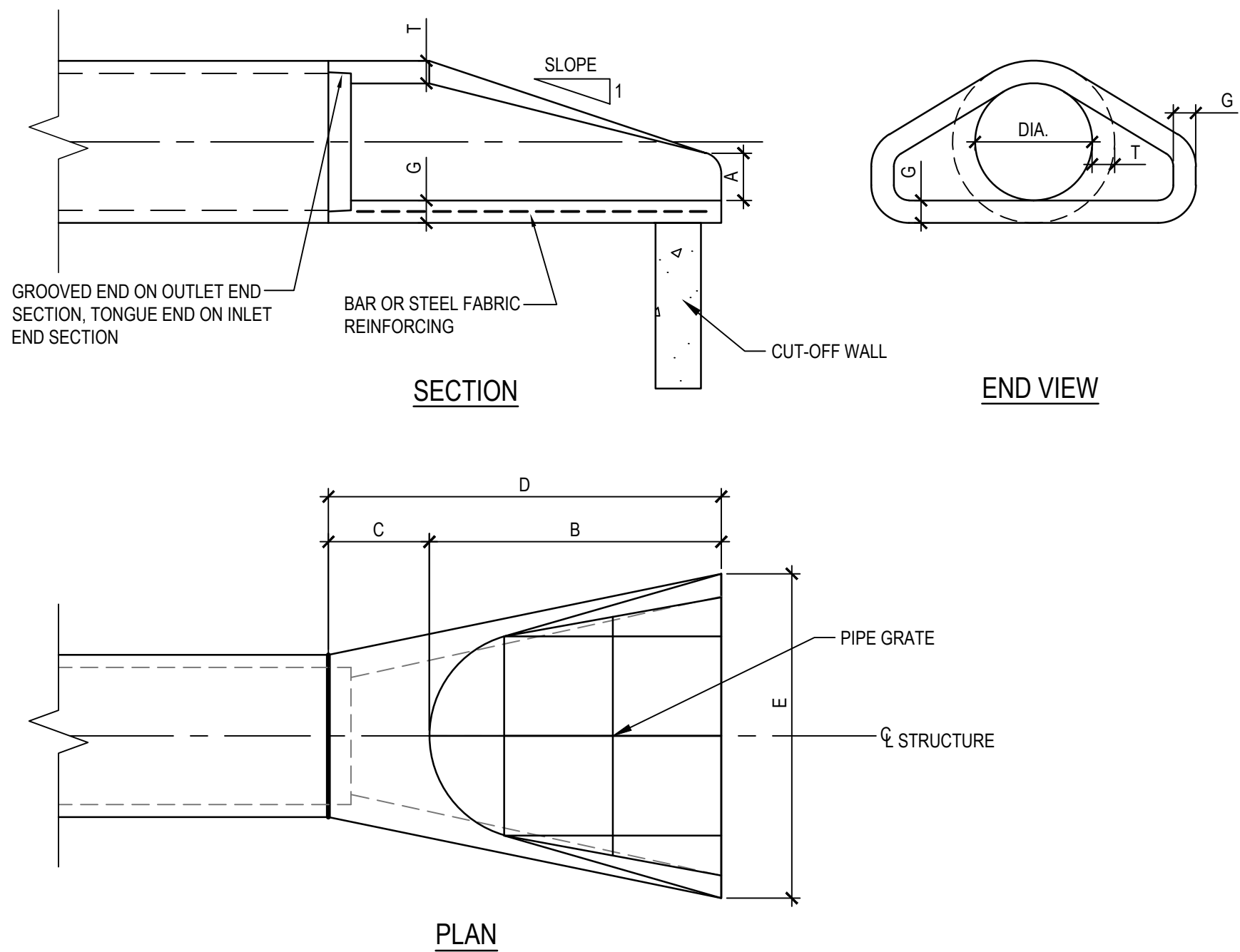
Know what's below.
Call before you dig.

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1 STORMWATER MANHOLE

SCALE: 1/2" = 1'-0"



END WALL DIMENSION TABLE								
DIA	T	A	B	C	D	E	G	APPROX. SLOPE
12"	2"	4"	24"	48 7/8"	72 7/8"	24"	2"	3H:1V
24"	3"	9-1/2"	43-1/2"	30"	73-1/2"	48"	3"	3H:1V
LARGER DIA TO BE PROVIDED BY MANUFACTURER AND VERIFIED BY ENGINEER								

- NOTE:
1. BEDDING SHALL BE PER DETAILS HEREIN.
 2. JOINT TIES SHALL BE REQUIRED FOR ALL PIPES 18" AND GREATER. SEE SPECIFICATIONS.
 3. 6-INCH CONCRETE APRON ENDWALL FOR UNDERDRAIN SHALL CONFORM TO WISDOT STANDARD SPECIFICATION SECTION 612 AND STANDARD DETAIL DRAWING 8F8: REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN.

2 APRON END WALL

SCALE: NTS

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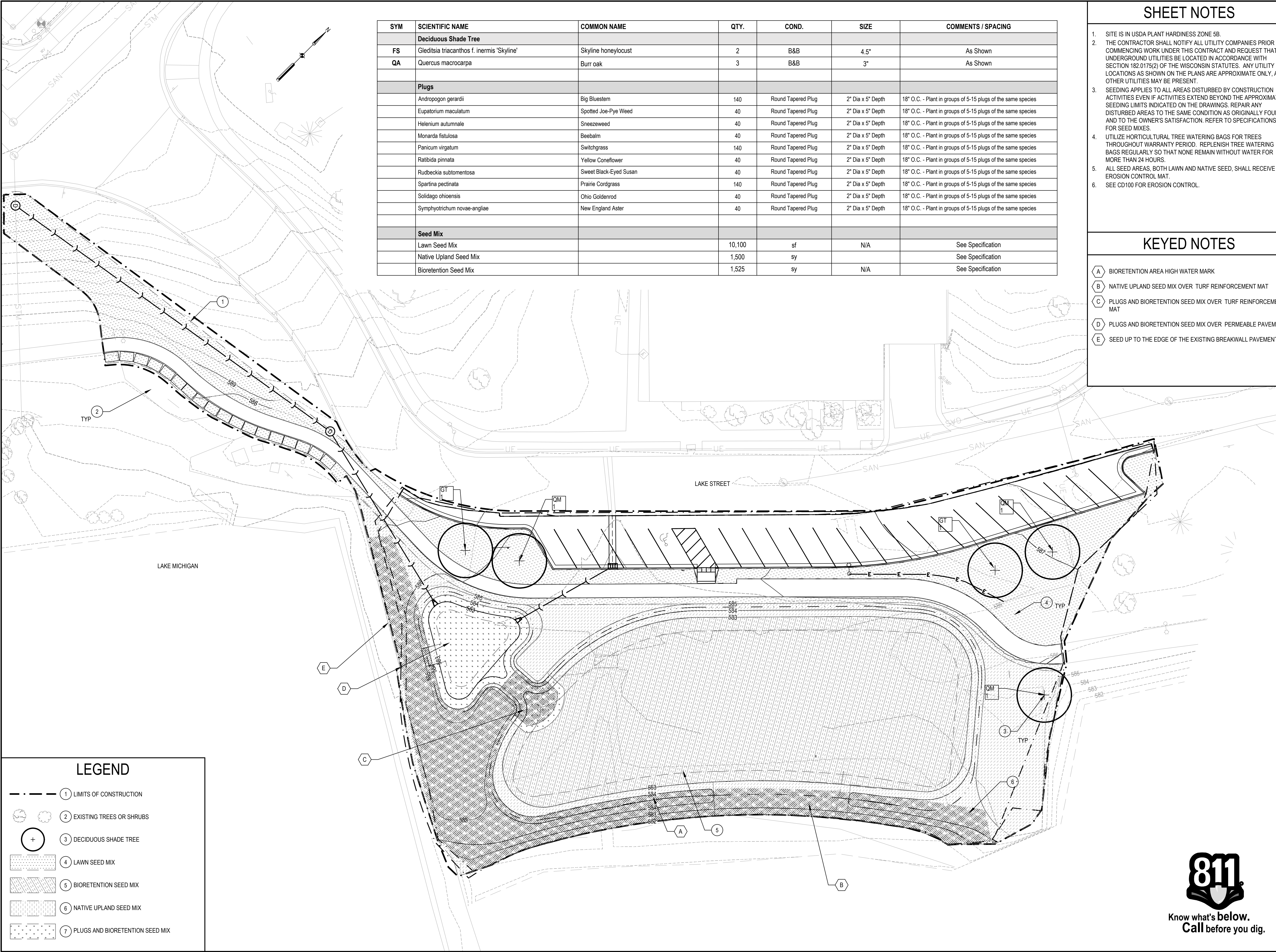


KEY PLAN

DRAWING TITLE
UTILITY DETAILS

SCALE
PROJECT NUMBER
DRAWING NUMBER
10618
CG500

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SYM	SCIENTIFIC NAME	COMMON NAME	QTY.	COND.	SIZE	COMMENTS / SPACING
Deciduous Shade Tree						
FS	Gleditsia triacanthos f. inermis 'Skyline'	Skyline honeylocust	2	B&B	4.5"	As Shown
QA	Quercus macrocarpa	Burr oak	3	B&B	3"	As Shown
Plugs						
	Andropogon gerardii	Big Bluestem	140	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Eupatorium maculatum	Spotted Joe-Pye Weed	40	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Helenium autumnale	Sneezeweed	40	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Monarda fistulosa	Beebalm	40	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Panicum virgatum	Switchgrass	140	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Ratibida pinnata	Yellow Coneflower	40	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Rudbeckia subtomentosa	Sweet Black-Eyed Susan	40	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Spartina pectinata	Prairie Cordgrass	140	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Solidago ohioensis	Ohio Goldenrod	40	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
	Symphotrichum novae-angliae	New England Aster	40	Round Tapered Plug	2" Dia x 5" Depth	18" O.C. - Plant in groups of 5-15 plugs of the same species
Seed Mix						
	Lawn Seed Mix		10,100	sf	N/A	See Specification
	Native Upland Seed Mix		1,500	sy		See Specification
	Bioretention Seed Mix		1,525	sy	N/A	See Specification

SHEET NOTES

- SITE IS IN USDA PLANT HARDINESS ZONE 5B.
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- SEEDING APPLIES TO ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES EVEN IF ACTIVITIES EXTEND BEYOND THE APPROXIMATED SEEDING LIMITS INDICATED ON THE DRAWINGS. REPAIR ANY DISTURBED AREAS TO THE SAME CONDITION AS ORIGINALLY FOUND AND TO THE OWNER'S SATISFACTION. REFER TO SPECIFICATIONS FOR SEED MIXES.
- UTILIZE HORTICULTURAL TREE WATERING BAGS FOR TREES THROUGHOUT WARRANTY PERIOD. REPLENISH TREE WATERING BAGS REGULARLY SO THAT NONE REMAIN WITHOUT WATER FOR MORE THAN 24 HOURS.
- ALL SEED AREAS, BOTH LAWN AND NATIVE SEED, SHALL RECEIVE EROSION CONTROL MAT.
- SEE CD100 FOR EROSION CONTROL.

KEYED NOTES

- A BIORETENTION AREA HIGH WATER MARK
- B NATIVE UPLAND SEED MIX OVER TURF REINFORCEMENT MAT
- C PLUGS AND BIORETENTION SEED MIX OVER TURF REINFORCEMENT MAT
- D PLUGS AND BIORETENTION SEED MIX OVER PERMEABLE PAVEMENT
- E SEED UP TO THE EDGE OF THE EXISTING BREAKWALL PAVEMENT

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PLANTING PLAN

0' 10' 20' 40'
SCALE:

SCALE 10618

PROJECT NUMBER

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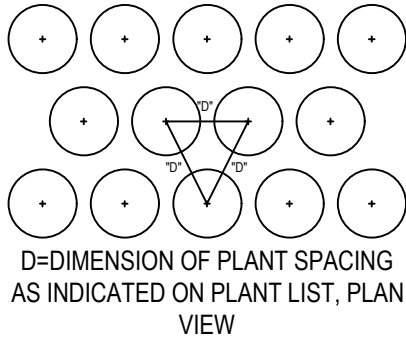
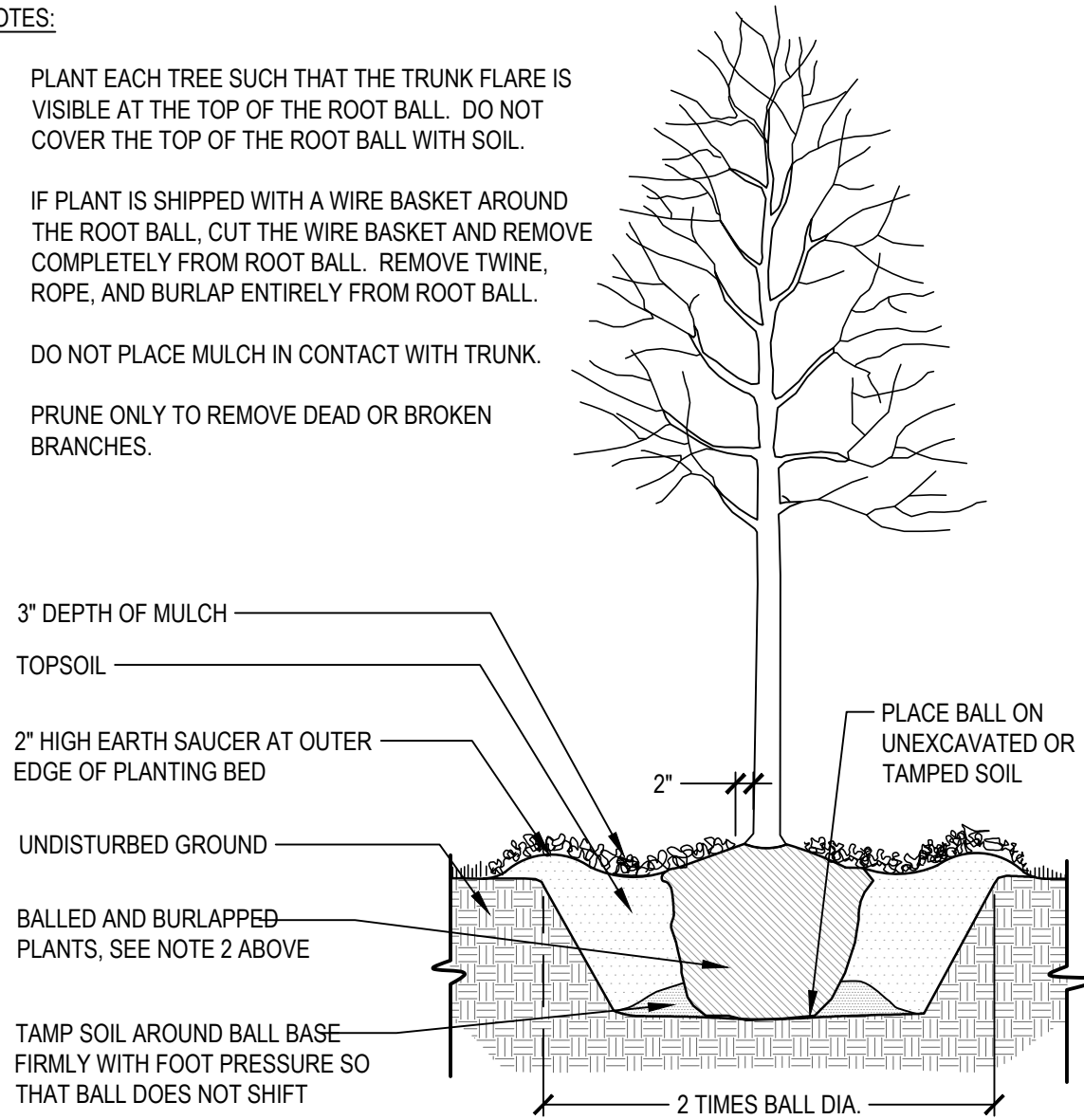
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NOTES:

1. PLANT EACH TREE SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
2. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET AND REMOVE COMPLETELY FROM ROOT BALL. REMOVE TWINE, ROPE, AND BURLAP ENTIRELY FROM ROOT BALL.
3. DO NOT PLACE MULCH IN CONTACT WITH TRUNK.
4. PRUNE ONLY TO REMOVE DEAD OR BROKEN BRANCHES.



2 PLANT SPACING DETAIL SCALE: NTS

1 DECIDUOUS TREE PLANTING SCALE: NTS

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