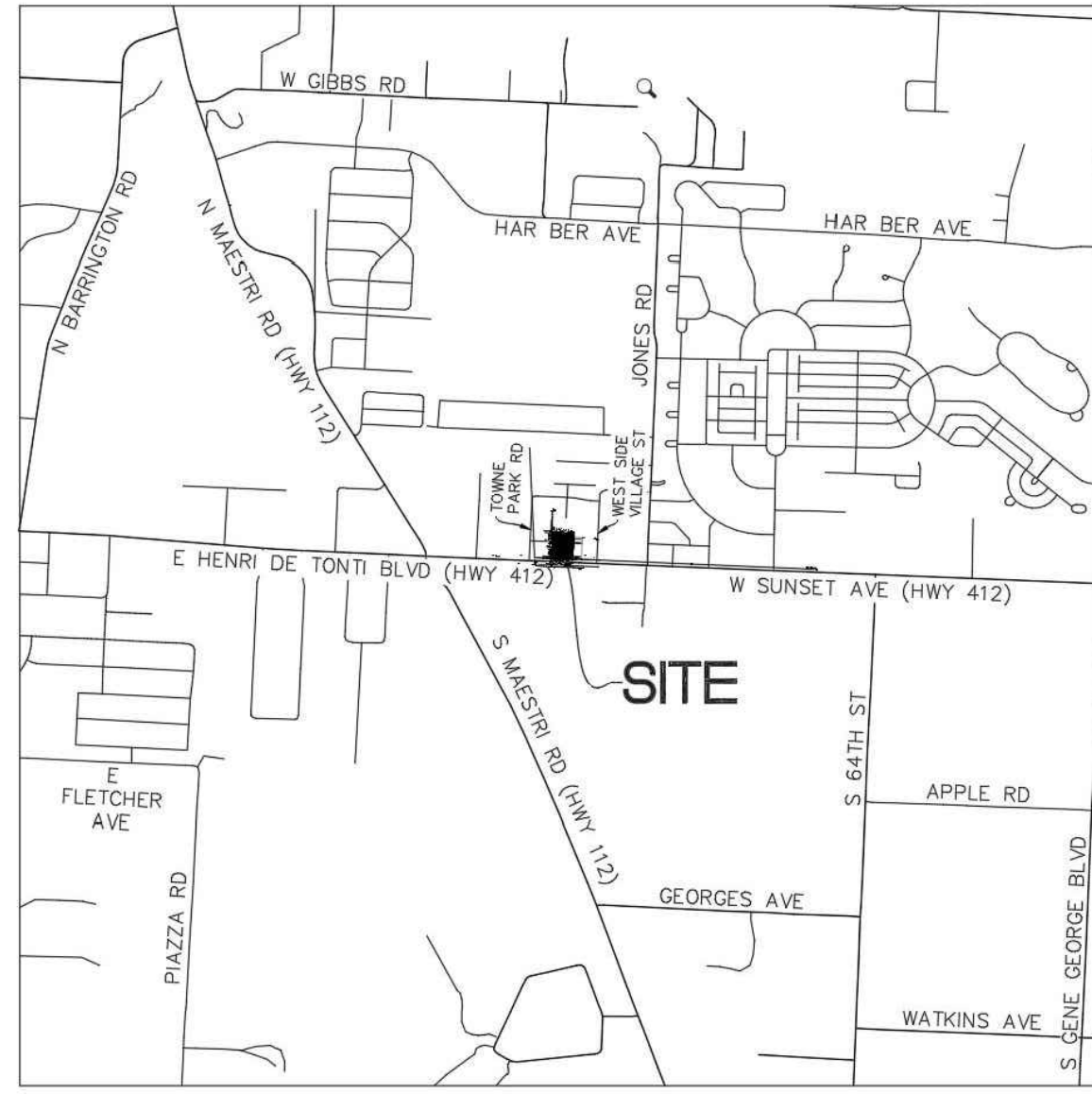


MAX ALLEY CAR WASH

1256 E HENRI DE TONTI BLVD
TONTITOWN, AR
WASHINGTON COUNTY
LARGE SCALE DEVELOPMENT



VICINITY MAP
NOT TO SCALE
PART OF SE1/4 NE1/4, SECTION 6, T17N, R30W



CONTACTS

OWNER
MAX ALLEY INVESTMENTS, LLC
6500 SUMMERHILL RD, STE 2E
TEXARKANA, TX 75503
903.255.1704

CITY OF TONTITOWN:
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TONTITOWN, AR 72762
479.361.2700

PARKS AND RECREATION:
479.361.2700

FIRE DEPARTMENT:
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NATURAL GAS
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BLACK HILLS ENERGY
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FAYETTEVILLE, AR 72703
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OZARK ELECTRIC COOPERATIVE
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SPRINGDALE, AR 72764
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MIKE PHIPPS

CABLE COMPANY
AT&T
P.O. BOX 6505
HOT SPRINGS, AR 71902
321.3207
TODD R. GREGORY

PLANNING:
LUANN JENISON
PLANNING MANAGER
479.435.8080

BUILDING:
ROGER DUNCAN
BUILDING INSPECTOR
479.361.2700

PERMITS:
MADELYN PARKER
PERMITS TECH
479.361.2700

WATER AND SEWER:
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TONTITOWN, AR 72762
479.361.2700

RECYCLING AND TRASH COLLECTION:
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SURVEYOR
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ARCHITECTS
PB2 ARCHITECTURE + ENGINEERING
2809 AJAX AVENUE
SUITE 100
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479.636.3545
THOMAS I. LASKARIS

GENERAL NOTES

- ALL DESIGNS ARE SUBJECT TO THE CITY'S LATEST DESIGN CRITERIA (WATER, SEWER, STREETS AND DRAINAGE).
- ANY DAMAGE TO THE EXISTING PUBLIC STREET DUE TO CONSTRUCTION SHALL BE REPAIRED/REPLACED AT THE OWNER/DEVELOPERS EXPENSE.
- WATER AND SEWER IMPACT FEES WILL APPLY FOR THE ADDITIONAL IMPACT TO THE SYSTEM. THE FEES WILL BE BASED ON THE PROPOSED METER SIZE AND WILL BE CHARGED AT THE TIME OF METER SET.
- FIRE LINE MONTHLY FEES WILL BE APPLIED BASED ON THE SIZE OF THE RISER PENETRATING THE SLAB. SEE CHAPTER 51.136 OF THE UNIFIED DEVELOPMENT CODE FOR TABLE OF FEES ASSOCIATED WITH PIPE DIAMETER.
- ALL MATERIAL DELIVERIES, CONSTRUCTION STAGING, AND WORKER PARKING MUST OCCUR ON YOUR SITE AND OUTSIDE THE PUBLIC STREETS DURING ALL PHASES OF THE PROJECT.
- THE REVIEW BY THE ENGINEERING DIVISION WAS FOR GENERAL COMPLIANCE AND DOES NOT WARRANT YOUR DESIGN AND DOES NOT RELIEVE THE OWNER FROM ANY ITEMS DISCOVERED DURING CONSTRUCTION OR FURTHER REVIEW, WHICH ARE DEEMED NECESSARY TO COMPLY WITH CITY ORDINANCES AND CRITERIA. THE APPROVAL OF THE ENGINEERING ITEMS ON THE PLANS FOR WATER, SEWER, DRAINAGE, AND GRADING IS NOT A GUARANTEE OF APPROVAL OF THIS PROJECT BY OTHER CITY DIVISIONS.
- PRIOR TO ANY CLEARING TO INSTALL EROSION CONTROL STRUCTURES, TREE PRESERVATION FENCING MUST BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE STORMWATER INSPECTOR
- THE ENGINEER OF RECORD SHALL PROVIDE "FULL TIME" INSPECTION FOR UTILITIES AND "PART TIME" INSPECTION FOR THE STORM DRAINAGE AND ROADWAY CONSTRUCTION FOR THIS PROJECT. THE ENGINEER OF RECORD SHALL ALSO REVIEW AND APPROVE MATERIAL SUBMITTALS (APPROVED SUBMITTALS SHALL BE SUBMITTED TO THE CITY FOR CONCURRENCE BEFORE PRECONSTRUCTION MEETING AND BEFORE MATERIAL IS ORDERED) - WEEKLY INSPECTION REPORTS SHOULD BE SUBMITTED TO THE CITY OF TONTITOWN PUBLIC WORKS INSPECTOR.
- ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE CITY OF TONTITOWN REQUIREMENTS. IN THE CASE OF CONFLICTS, THE CITY'S CRITERIA SHALL GOVERN.
- THE PUBLIC WORKS INSPECTOR SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE INSTALLATION OF PUBLIC UTILITIES, INFRASTRUCTURE, ROADWAY, ETC. TESTING SHALL BE COORDINATED WITH THE PWI BY THE ENGINEER OF RECORD.
- CONTACT CHUCK RUTHERFORD (ADA ADMINISTRATOR 575-8291) AND REQUEST AN INSPECTION PRIOR TO:
 - POURING ANY SIDEWALK, TRAIL, OR DRIVEWAY IN THE RIGHT-OF-WAY.
 - PLACING ANY PAVEMENT FOR ADA ACCESSIBLE PARKING/LOADING AREAS.
 - POURING ANY SIDEWALK THAT IS A CONNECTION FROM ADA ACCESSIBLE PARKING AREAS TO THE STRUCTURE.
- APPROVAL OF CITY REQUIREMENTS IN ARKANSAS DEPARTMENT OF TRANSPORTATION (ARDOT) RIGHT-OF-WAY DOES NOT GUARANTEE APPROVAL BY ARDOT. COORDINATION OF THIS IS THE RESPONSIBILITY OF THE OWNER.
- CONTRACTOR SHALL BE CONFINED TO THE LIMITS OF CONSTRUCTION SHOWN ON THIS GRADING PERMIT APPLICATION. ADJACENT PROPERTY SHALL NOT BE USED WITHOUT MODIFYING THE GRADING AND EROSION CONTROL PLAN THROUGH THE ENGINEER OF RECORD.
- CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY EACH HOME OWNER IN ADVANCE (MINIMUM OF 24 HOURS, AFTER INITIAL CONTACT OF 48 HOURS) OF PERFORMING WORK THAT AFFECTS ACCESS (ROADWAY AND DRIVEWAY) AND THAT AFFECTS UTILITY SERVICES (SPECIFICALLY WATER AND SEWER) BUT NOT LIMITED TO PUBLIC UTILITIES.
- LOCATE AND PROPERLY ABANDON EXISTING WATER AND SANITARY SEWER SERVICE LINES. THE SEWER MUST BE CUT AND CAPPED AT THE MAIN. THE WATER MUST BE REMOVED TO THE CORP STOP AND THE CORP STOP MUST BE TURNED OFF. CONTACT WATER AND SEWER DIVISION FOR COORDINATION 575-8386.

RECORD LEGAL DESCRIPTION

TRACT 1: 0.55 ACRES

TRACT NO. 1 - (HENRI DE TONTI) PER DEED FILE NO. 2011-0004841

PART OF THE SOUTHEAST QUARTER (SE1/4) OF THE NORTHEAST QUARTER (NE1/4) OF SECTION SIX (6), TOWNSHIP SEVENTEEN (17) NORTH, RANGE THIRTY (30) WEST, WASHINGTON COUNTY, ARKANSAS.

TRACT 2: 0.85 ACRES

DEED FILE NO. 2018-00002194 AND DEED FILE NO. 2009-00010055

PART OF THE SOUTHEAST QUARTER (SE1/4) OF THE NORTHEAST QUARTER (NE1/4) OF SECTION SIX (6) IN TOWNSHIP SEVENTEEN (17) NORTH OF RANGE THIRTY (30).

FLOOD NOTE

BY GRAPHIC PLOTTING ONLY, THE SUBJECT TRACT IS IN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD, ACCORDING TO THE FLOOD INSURANCE RATE MAP. THE SUBJECT TRACT IS NOT IN A FLOOD HAZARD AREA. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE.

MAP NUMBER: 5143C0065F
EFFECTIVE DATE: APRIL 2, 2008

BENCHMARK

BENCHMARK #1:

N: 678102.81'
E: 658975.16'
ELEV.: 1296.41'

BENCHMARK #2:

N: 678104.58'
E: 659768.16'
ELEV.: 1296.41'

BASIS OF BEARING

GRID NORTH OF THE ARKANSAS STATE PLANE COORDINATE SYSTEM OF 1983, NORTH ZONE ESTABLISHED BY OPUS REFERENCE FRAME: (2011)(EPOCH: 2010.0000).

BASIS OF ELEVATION

NAVD88 (GEOID18) ESTABLISHED BY OPUS REFERENCE FRAME: (2011)(EPOCH: 2010.0000).

ACREAGE: LOT

1.4 ACRES

USE

COMMERCIAL CAR WASH WITH ANCILLARY EQUIPMENT

PROPERTY ZONED

C2 GENERAL COMMERCIAL

WETLANDS NOTE

N/A: NO KNOWN WETLANDS PRESENT ON SITE.

EROSION NOTE

N/A: NO KNOWN LOCATIONS OF EXISTING EROSION PROBLEMS ON-SITE OR WITHIN 100' DOWNSTREAM OF THE PROPERTY.

EXISTING STRUCTURES NOTE

N/A: NO KNOWN LOCATIONS OF EXISTING OR ABANDONED WATER WELLS, SUMPS, CESSPOOLS, SPRINGS, WATER IMPOUNDMENTS, AND UNDERGROUND STRUCTURES WITHIN THE PROJECT.

GROUND LEASES AND ACCESS EASEMENTS

SHARED CROSS ACCESS EASEMENT PROPOSED FOR SW DRIVE AND CORNER OF PROPERTY (SEE SITE LAYOUT PLAN). WILL BE SUBMITTED FOR RECORD IN SEPARATE SUBMITTAL.

Certificate of Preliminary Survey Accuracy.

I, _____, hereby certify that this plat correctly represents a boundary survey made by me and all monuments shown hereon actually exist and their location, size, type and material are correctly shown.

Date of Execution: _____

Registered Land Surveyor _____

State of Arkansas Registration No. _____

Certificate of Preliminary Engineering Accuracy.

I, _____, hereby certify that this plan correctly represents a plan prepared under my direction and engineering requirements of the Tontitown Subdivision Regulations have been complied with.

Date of Execution: _____

Registered Engineer _____

State of Arkansas Registration No. _____

SHEET LIST

C0.0	COVER SHEET
C0.1	GENERAL NOTES
1	ALTA/NSPS LAND TITLE SURVEY
C1.0	DEMOLITION PLAN
C1.1	SITE LAYOUT PLAN
C1.2	SITE GRADING PLAN
C1.3	EROSION & SEDIMENT CONTROL PLAN
C1.4	DETAILS
C1.5	SITE UTILITY PLAN
C1.6	DETAILS
C1.7	DETAILS
C1.8	STORMTECH CHAMBER DETAILS
L1.1	LANDSCAPE PLAN
E4.1	PHOTOMETRIC PLAN
A2.0C	COLOR ELEVATIONS
A2.1C	COLOR ELEVATIONS

BUILDING SETBACKS

FRONT:
-WITH PARKING IN FRONT: 50'
-WITHOUT PARKING IN FRONT: 20'

SIDE:
-ADJACENT TO NON-RESIDENTIAL DISTRICT: 7'
-ADJACENT TO RESIDENTIAL DISTRICT: 30'

REAR:
-ADJACENT TO NON-RESIDENTIAL DISTRICT: 20'
-ADJACENT TO RESIDENTIAL DISTRICT: 30'

SITE DATA

PROPOSED LOT	61,031 SF.
DEVELOPMENT AREA	59,971 SF
BUILDING HEIGHT	29'-10"
BUILDING COVERAGE GFA	4828 SF. (7.9%)
OPEN SPACE PROPOSED LOT	17,907 SF. (29.3%)
IMPERVIOUS AREA PROPOSED LOT	43,124 SF. (70.7%)

HYDRANT DATA (TESTED 06/09/2022 - MARK RAMSEY)

Hydrant#:	Hydrant#: B5-D41
Address: 1256 E HDT	Address: 1104 E HDT
Static PSI: 92	Static PSI: 92
Pitot: 35	Residual PSI: 52
Nozzle: 2.5"	
Actual GPM: 993	
Available GPM: 1364	

DANGEROUS AREAS NOTE

N/A: NO KNOWN POTENTIALLY DANGEROUS AREAS OF NOTE

SIGN NOTE

SIGN AND LOCATION TO BE PERMITTED SEPARATELY.

damage prevention
is no accident



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ANDERSON.COM AR 335 • MOLLY ROBB PEF 19640

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19640
MOLLY ROBB
06-21-2022
Molly Robb

DRAWING INFO.	FIELD BY:	DATE	BY	DESCRIPTION	REVISIONS	KOW	MRR	DATE	FIELD BOOK:	JOB NUMBER:

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MAX ALLEY INVESTMENTS, LLC
MAX ALLEY CAR WASH
TONTITOWN, ARKANSAS

COVER SHEET

1256 & 1272 E HENRI DE TONTI BLVD

SHEET NUMBER
C0.0



DEMOLITION PLAN KEY NOTES:

- (D1) REMOVE CURB
- (D2) REMOVE GRAVEL
- (D3) OBLITERATE PAD / CONCRETE
- (D4) REMOVE PAVEMENT
- (D5) REMOVE BUILDING
- (D6) REMOVE EXISTING WATER METER. CONTRACTOR TO COORDINATE WITH UTILITIES DEPT.
- (D7) REFER TO TREE LANDSCAPING PLAN.
- (D8) LIMITS OF SAW CUT AND PAVEMENT REMOVAL.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR DEMOLITION.

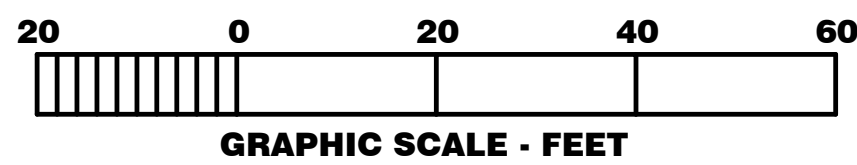
CONTRACTOR IS RESPONSIBLE FOR DEMOLITION AND FIELD VERIFICATION OF EXISTING SITE STATUS.

LEGEND

- 1250--- EXISTING GRADE LINES
- LIMITS OF DISTURBED AREA
- PROPERTY LINE

CAUTION:
 EXISTING SURFACE FEATURES, STRUCTURES, ETC. AND UNDERGROUND INSTALLATIONS SUCH AS WATER MAINS, GAS MAINS, SEWERS, TELEPHONE LINES, FIBER OPTIC LINES AND BURIED STRUCTURES ARE INDICATED ON THE DRAWING ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

1 DEMOLITION PLAN
 SCALE: 1" = 20'



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STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 19640
 MOLLY ROBB
 06-21-2022

DRAWING INFO.	
FIELD BY:	KOW
DRAWN BY:	MRR
CHECK BY:	
DATE:	06-07-2022
FIELD BOOK:	
JOB NUMBER:	22RO10013

REVISIONS	
NO.	1
DESCRIPTION	
BY	KOW
DATE	06-21-2022

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 MAX ALLEY CAR WASH
 TONTOWN, ARKANSAS

SITE DEMOLITION PLAN

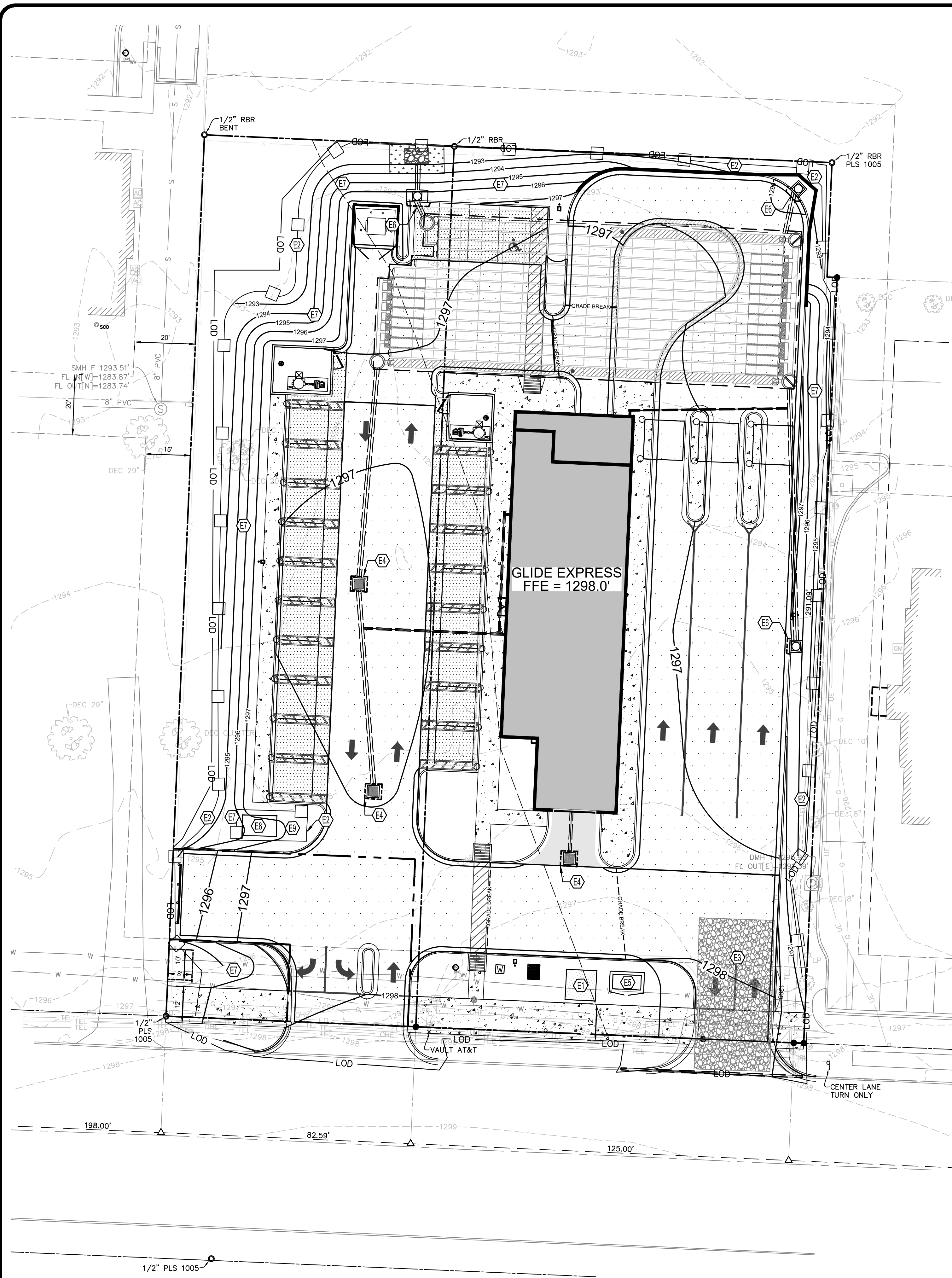
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SHEET NUMBER
C1.0

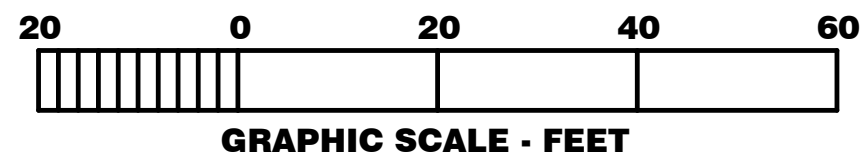
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1 EROSION AND SEDIMENT CONTROL PLAN
C1.3 SCALE: 1" = 20'



PROPOSED LEGEND

- PROPOSED NEW GRADE LINES
- EXISTING GRADE LINES
- LIMITS OF DISTURBED AREA
- PROPERTY LINE
- SILT FENCE
- CONCRETE WASHOUT
- CONSTRUCTION ENTRANCE
- INLET PROTECTION
- EQUIPMENT & TRAILER STORAGE

SEEDING AND MULCHING NOTES

SEEDING
 INSTALL UPSTREAM BMPs TO PROTECT AREA TO BE SEED. COMPLETE GRADING AND REMOVE ALL DEBRIS LARGER THAN 1 INCH. LOOSEN COMPACTED SOILS TO A DEPTH OF 4 INCHES. GROOVE OR FURROW ON THE CONTOUR IF NECESSARY. SPREAD LOOSE TOPSOIL AT A DEPTH OF 4 INCHES. MIX SOIL AMENDMENTS (LIME, FERTILIZER, ETC.) INTO THE TOP 4 INCHES OF SOIL. PLANT SEED 1/4 TO 1/2 INCHES DEEP USING A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER. ROLL LIGHTLY TO FIRM SURFACE. COVER SEEDED AREA WITH MULCH. INSTALL ADDITIONAL STABILIZATION (EROSION CONTROL BLANKETS, NETTING, BONDED FIBER MATRIX, ETC.) ON SLOPES STEEPER THAN 3:1 AND IN AREAS OF CONCENTRATED FLOW. WATER IMMEDIATELY ENOUGH TO SOAK 4 INCHES INTO THE SOIL WITHOUT CAUSING RUNOFF.

TOPSOIL REQUIREMENTS
 PERMANENT AND TEMPORARY SEEDING: LOOSEN COMPACTED SOILS TO A DEPTH OF 4 INCHES. IF RAINFALL CAUSES SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING. SLOPES STEEPER THAN 33 PERCENT (3:1) GRADE SHOULD BE GROOVED OR FURROWED ON THE CONTOUR BEFORE SEEDING. A GOOD SEEDBED IS WELL PULVERIZED, LOOSE AND UNIFORM. PERMANENT SEEDING: A MINIMUM OF 4 INCHES OF LOOSE TOPSOIL SHOULD BE SPREAD ON AREAS TO BE SEED.

LIME REQUIREMENTS
 PERMANENT AND TEMPORARY SEEDING: LIME SHOULD BE APPLIED ACCORDING TO SOIL TEST RECOMMENDATIONS. IF THE pH OF THE SOIL IS UNKNOWN, LIME SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF SOIL AT A RATE OF 1500 POUNDS EFFECTIVE NEUTRALIZING MATERIAL (ENM) PER ACRES. SOILS WITH A pH OF SIX OR HIGHER NEED NOT BE LIMED.

FERTILIZER REQUIREMENTS
 PERMANENT SEEDING: FERTILIZER SHOULD BE APPLIED BASED ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE A 13-13-13 GRADE FERTILIZER SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF SOIL AT THE RATE OF 500 POUNDS PER ACRE. TEMPORARY SEEDING: FERTILIZER SHOULD BE APPLIED BASED ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE, A 10-10-10 GRADE FERTILIZER SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF SOIL AT THE RATE OF 200 POUNDS PER ACRE.

SEED REQUIREMENTS
 PERMANENT SEEDING: SEED MIX SHALL CONSIST OF NINETY PERCENT (90%) TALL FESCUE AND TEN PERCENT (10%) ANNUAL RYEGRASS. SEED MIXTURE SHALL BE APPLIED AT A RATE OF 400 POUNDS PER ACRE.
 TEMPORARY SEEDING: SEED MIX SHALL CONSIST OF ANY COMBINATION OF TALL FESCUE, ANNUAL RYEGRASS, SUDAN, MILLET, WHEAT OR OATS. SEED MIXTURE SHALL BE APPLIED AT A RATE OF 200 POUNDS PER ACRE.
 DORMANT SEASON SEEDING: SEED MIX SHALL CONSIST OF 80 PERCENT (80%) TALL FESCUE, TEN PERCENT (10%) ANNUAL RYEGRASS AND TEN PERCENT (10%) SPRING OATS. SEED MIXTURE SHALL BE APPLIED AT A RATE OF 600 POUNDS PER ACRE.

MULCH REQUIREMENTS
 PERMANENT AND TEMPORARY SEEDING: WHERE SLOPES ARE LESS THAN 25 PERCENT (4:1) GRADE, CEREAL GRAIN MULCH IS REQUIRED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET (4,500 LBS/ACRE). CEREAL GRAIN MULCH SHALL MEET THE REQUIREMENTS OF SECTION 802 OF THE MISSOURI STATE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR TYPE 1 MULCH. WHERE SLOPES ARE 25 PERCENT (4:1) OR GREATER GRADE, TYPE 3 MULCH (HYDROMULCH) MEETING THE REQUIREMENTS OF SECTION 802 OF THE STATE SPECIFICATIONS SHALL BE USED. TYPE 3 MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 2,000 LBS/ACRE.

DATES FOR SEEDING
 PERMANENT SEEDING: MARCH 1 TO JUNE 1 AND AUGUST 15 TO NOVEMBER 1
 TEMPORARY SEEDING: CAN OCCUR DURING ANY SEASON, HOWEVER WINTER IS THE LEAST TOLERANT.
 DORMANT SEASON SEEDING: DECEMBER 15 TO FEBRUARY 29

HYDROSEEDING
 TO SELECT APPROPRIATE HYDROSEEDING MIXTURES, AN EVALUATION OF SITE CONDITIONS SHALL BE PERFORMED WITH RESPECT TO: SOIL CONDITIONS, SITE TOPOGRAPHY, SEASON AND CLIMATE, VEGETATION TYPES, MAINTENANCE REQUIREMENTS, SENSITIVE ADJACENT AREAS, WATER AVAILABILITY, AND PLANS FOR PERMANENT VEGETATION. HYDROSEEDING CAN BE ACCOMPLISHED USING A MULTIPLE-STEP OR ONE-STEP PROCESS. THE MULTIPLE-STEP PROCESS ENSURES MAXIMUM DIRECT CONTACT OF THE SEEDS TO SOIL. WHEN THE ONE-STEP PROCESS IS USED TO APPLY THE MIXTURE OF SEED, FIBER, ETC., THE SEED RATE SHALL BE INCREASED TO COMPENSATE FOR ALL SEEDS NOT HAVING DIRECT CONTACT WITH THE SOIL. FOLLOW-UP APPLICATIONS SHALL BE MADE AS NEEDED TO COVER WEAK SPOTS.

CONSTRUCTION SEQUENCE

1. CONDUCT PRE-CONSTRUCTION MEETING WITH THE CITY TO DISCUSS EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION PHASING.
2. INSTALL STABILIZED CONSTRUCTION EXIT AND POST SWPPP AND SITE COMPLIANCE SIGNAGE PUBLICLY VISIBLE.
3. INSTALL CONSTRUCTION FENCES AND TEMPORARY TRAFFIC AND PEDESTRIAN CONTROL DEVICES.
4. PREPARE TEMPORARY PARKING AND STORAGE AREAS.
5. INSTALL SILT FENCE ON THE SITE AS SHOWN WITHIN THE CONSTRUCTION LIMITS.
6. DEMO EXISTING STRUCTURES, PAVEMENT, AND SPECIFIED UTILITIES.
7. UNDERCUT EXISTING POOR SOILS AS INDICATED IN THE GEOTECHNICAL REPORT.
8. BEGIN GRADING THE SITE.
9. BEGIN CONSTRUCTION OF UTILITIES.
10. BEGIN SUBGRADE PREPARATION AND CONSTRUCTION OF STRUCTURES.
11. BEGIN INSTALLATION OF CURB, GUTTER, AND PAVING.
12. COMPLETE PERMANENT STABILIZATION ON AREAS WHERE CONSTRUCTION HAS COMPLETED.
13. COMPLETE FINAL GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
14. OBTAIN CONCURRENCE FROM THE OWNER AND THE CITY THAT THE SITE HAS BEEN FULLY STABILIZED.
15. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
16. STABILIZE ALL AREAS DISTURBED BY BMP REMOVAL.

CONTRACTOR MAY COMPLETE CONSTRUCTION RELATED ACTIVITIES CONCURRENTLY IF ALL PRECEDING BMPs HAVE BEEN COMPLETELY INSTALLED.

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY THE PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE GENERAL CONTRACTOR ON THESE PLANS.

LAND DISTURBANCE SUMMARY:

PROPERTY AREA: 1.4 ACRES
 DISTURBED AREA: 1.37 ACRES
 DISTURBED AREA IS MORE THAN 1 ACRES BUT LESS THAN 5 ACRES.
 AUTOMATIC COVERAGE AND SWPPP TO BE PROVIDED.

KEY NOTES:

- (E1) INSTALL CONCRETE WASHOUT AREA. SEE DETAIL ON SHEET C1.6.
- (E2) LIMITS OF TEMPORARY SILT SOCK: SEE DETAIL ON SHEET C1.6.
- (E3) INSTALL TEMPORARY CONSTRUCTION ENTRANCE. COORDINATE LOCATION WITH CONTRACTOR. SEE DETAIL ON SHEET C1.6.
- (E4) INSTALL TEMPORARY INLET PROTECTION OR APPROVED EQUAL. SEE DETAIL ON SHEET C1.6.
- (E5) AREA OF DISTURBANCE = 1.37 ACRES
- (E6) INSTALL CURB INLET PROTECTION OR APPROVED EQUAL. SEE SHEET C1.6.
- (E7) STABILIZE ALL DISTURBED AREA.
- (E8) LOCATION OF TEMPORARY EQUIPMENT STORAGE AREA AND TEMPORARY JOB TRAILER LOCATION. COORDINATE LOCATION WITH CONTRACTOR.
- (E9) INSTALL PORTABLE TOILET AND STAKE FIRMLY TO GROUND. CONTRACTOR TO FIELD VERIFY LOCATION.



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STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 19640
 MOLLY ROBB
 06-21-2022
Molly Robb

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NO.	1	KOW	06-21-2022
REVISIONS		BY	DATE
DESCRIPTION	REVISIONS	KOW	06-21-2022
FIELD BOOK:	22RO10013	CHECK BY:	MRR
JOB NUMBER:	22RO10013	DATE:	06-07-2022

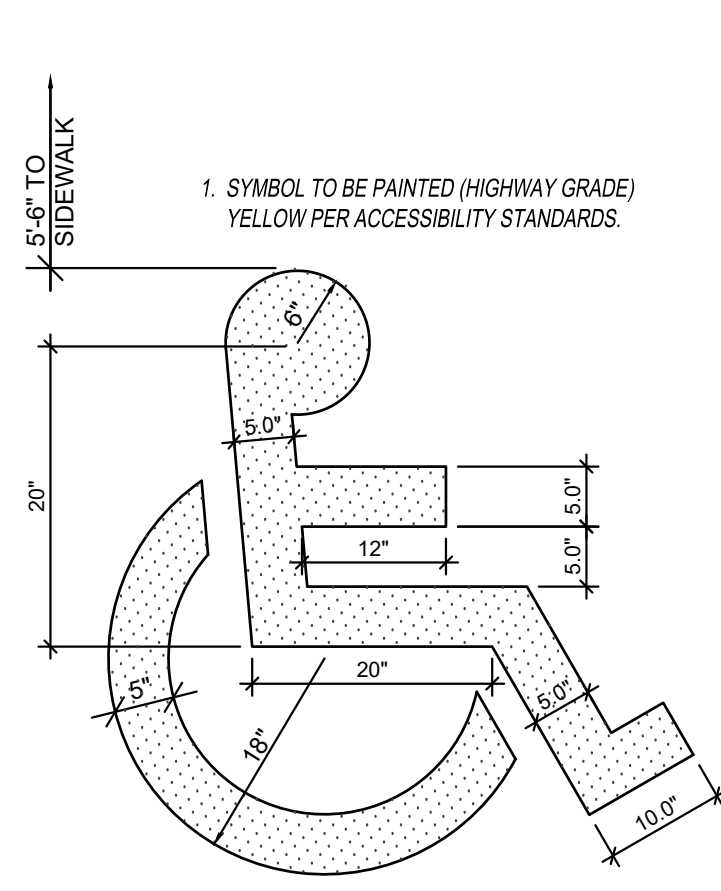
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 TONTOWN, ARKANSAS

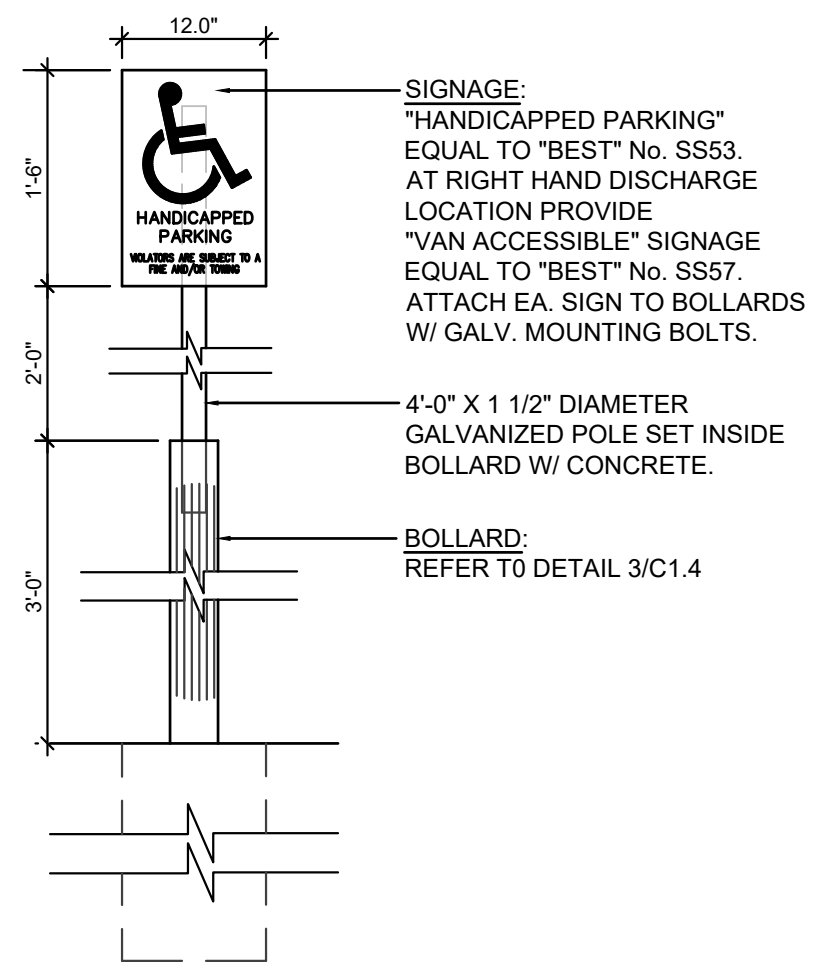
1256 & 1272 E HENRI DE TONTI BLVD

EROSION AND SEDIMENT CONTROL PLAN

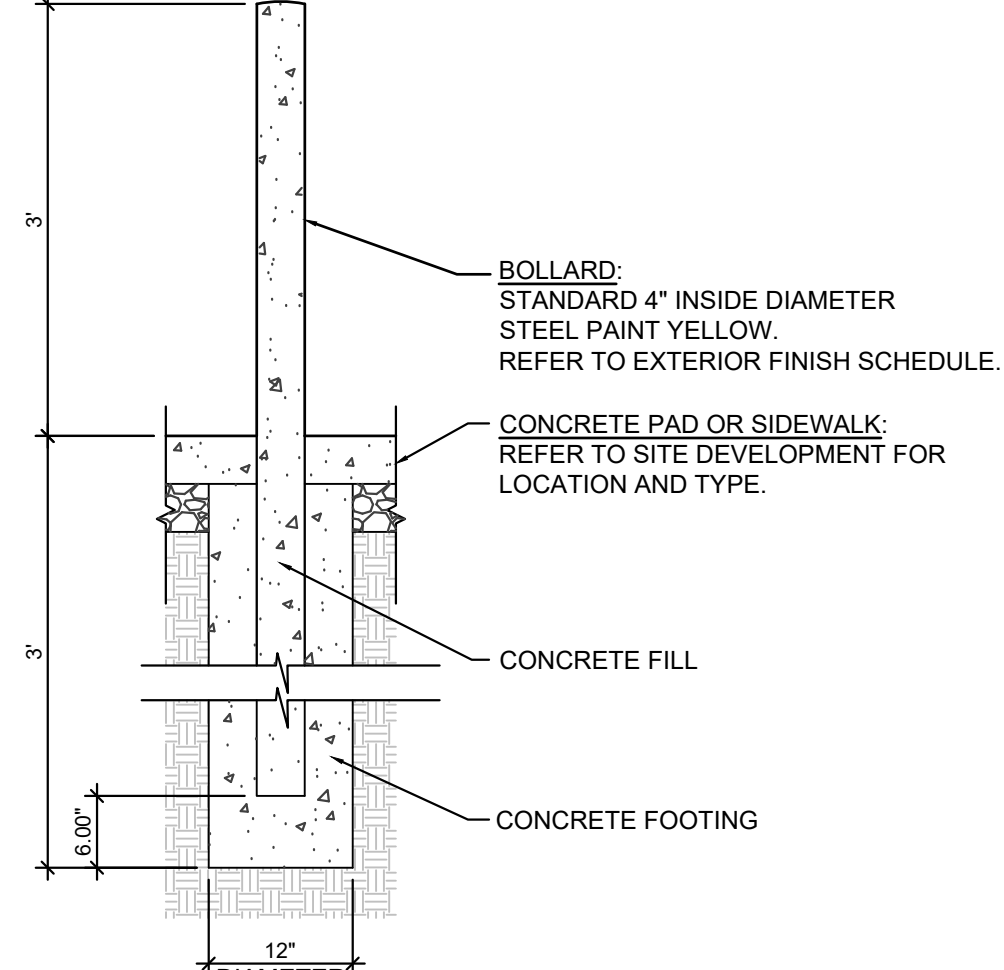
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C1.3



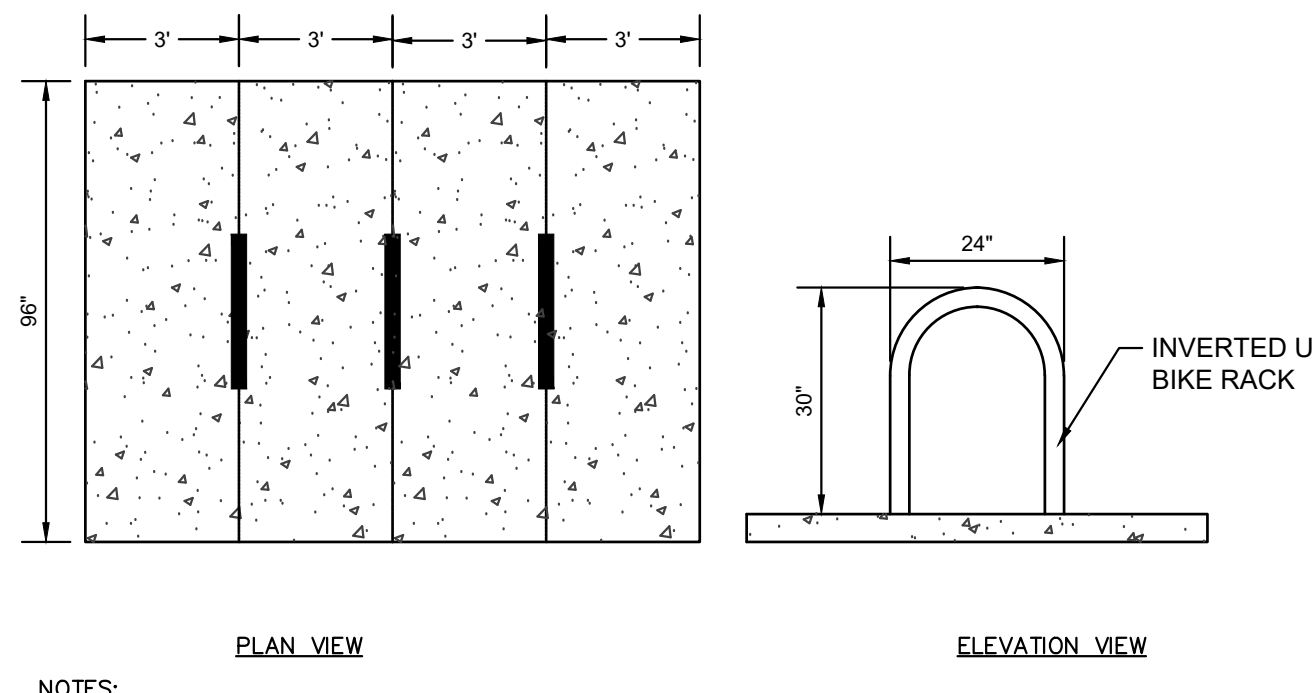
1 HANDICAP PARKING SYMBOL
C1.4 SCALE: NOT TO SCALE



2 ACCESSIBLE PARKING SIGN
C1.4 SCALE: NOT TO SCALE



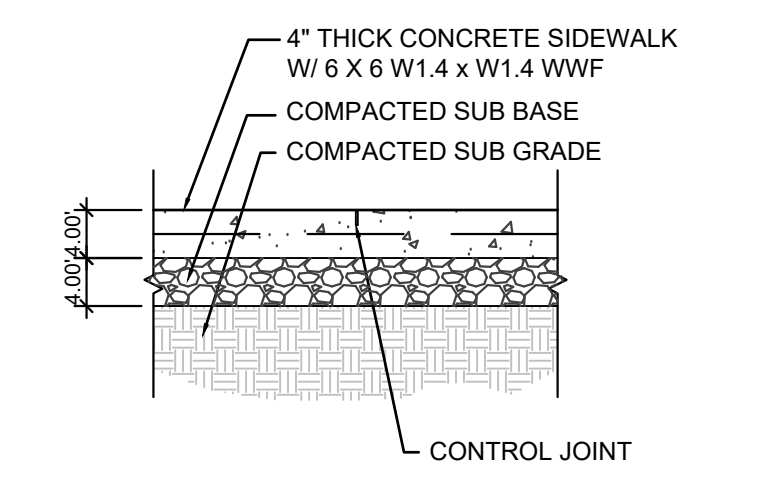
3 STEEL BOLLARD SECTION
C1.4 SCALE: NOT TO SCALE



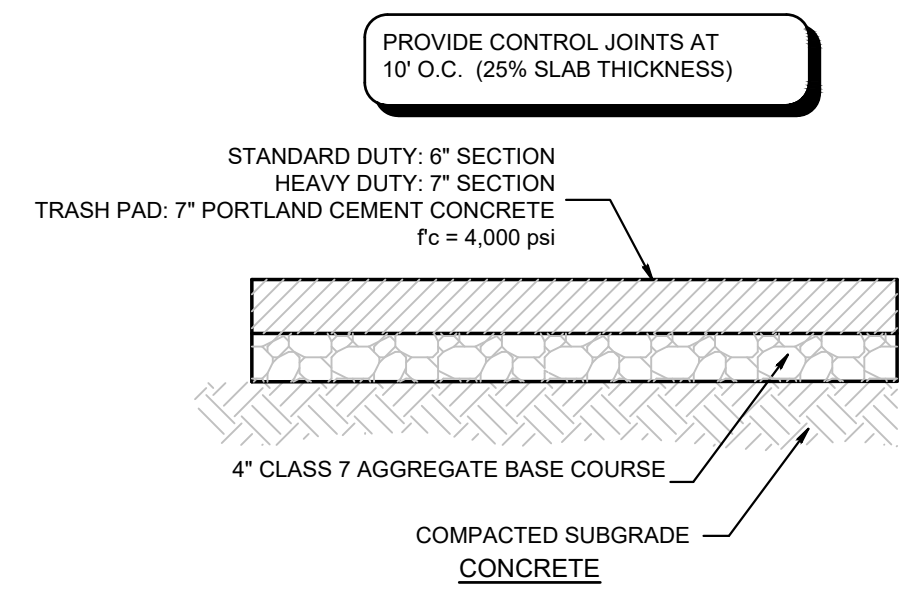
4 BICYCLE PARKING DETAIL
C1.4 SCALE: NOT TO SCALE

CROSS SLOPE SHALL NOT EXCEED 2%
CONCRETE SHALL BE MINIMUM 3500 PSI.

TOOLED JOIN SPACING SHALL MATCH SIDEWALK WIDTH
AND EXPANSION JOINTS SHALL BE PLACES AT AN
INTERVAL EQUAL TO 5X THE WIDTH.

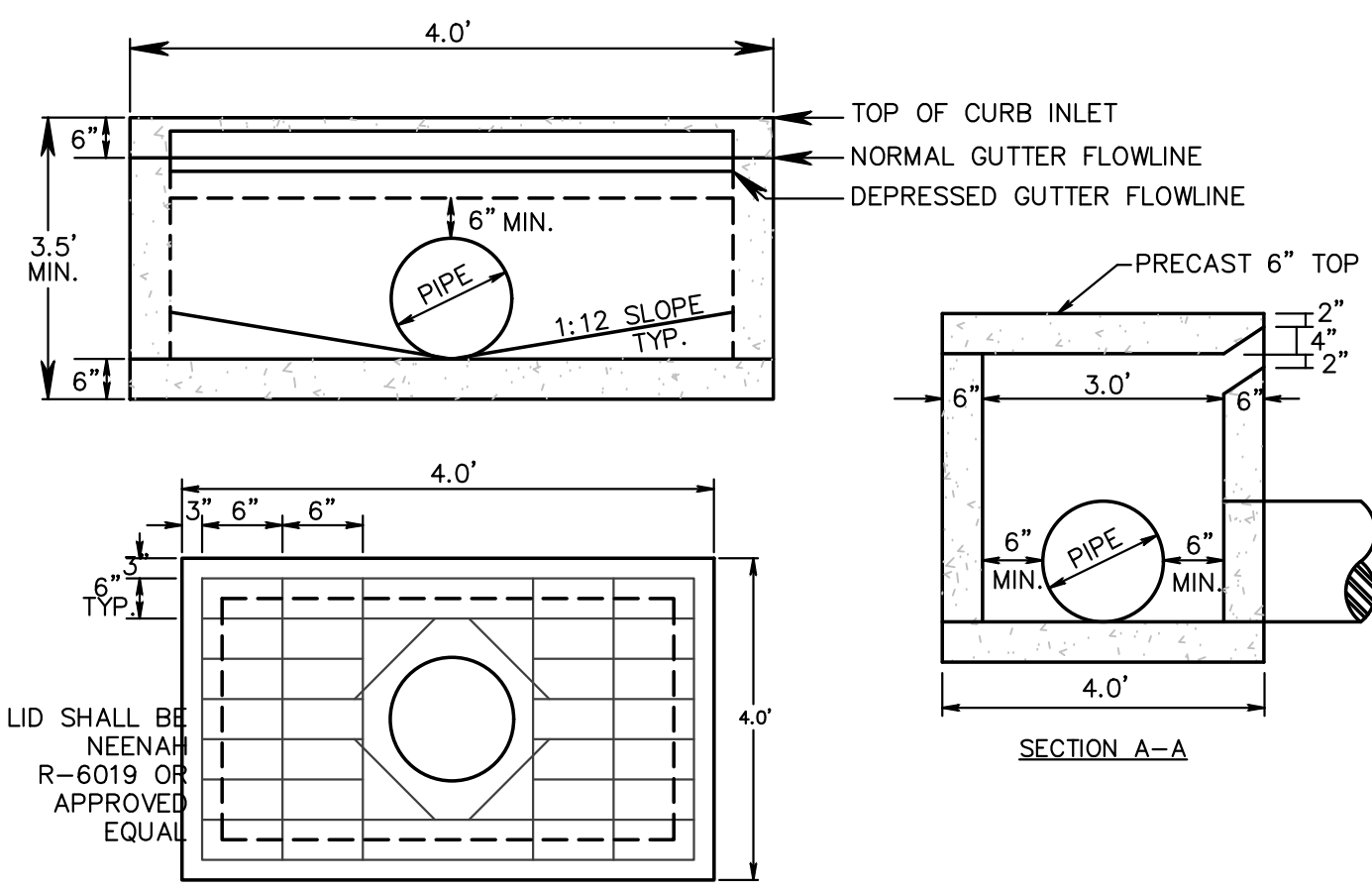


5 CONCRETE SIDEWALK SECTION
C1.4 SCALE: NOT TO SCALE

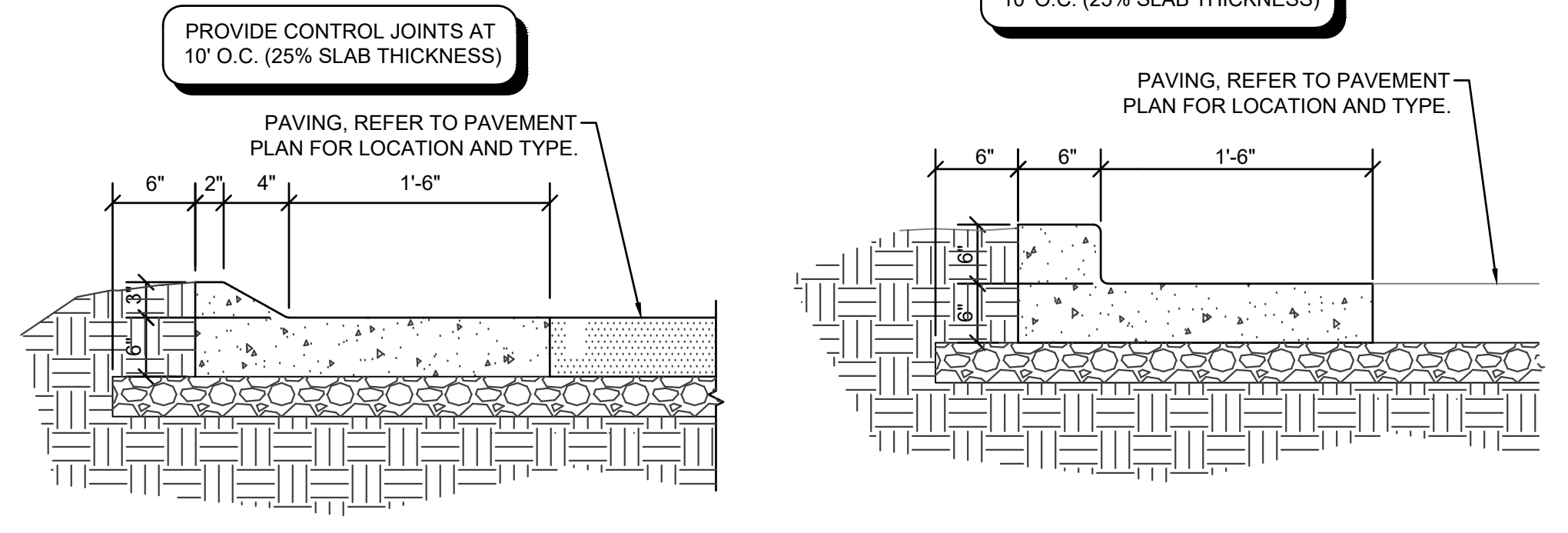


GENERAL NOTES:
1. PAVEMENTS AND SUBGRADES INCLUDING MATERIALS & COMPACTION SHALL MEET STANDARDS & SPECIFICATIONS OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION.

6 CONCRETE PAVEMENT
C1.4 NOT TO SCALE

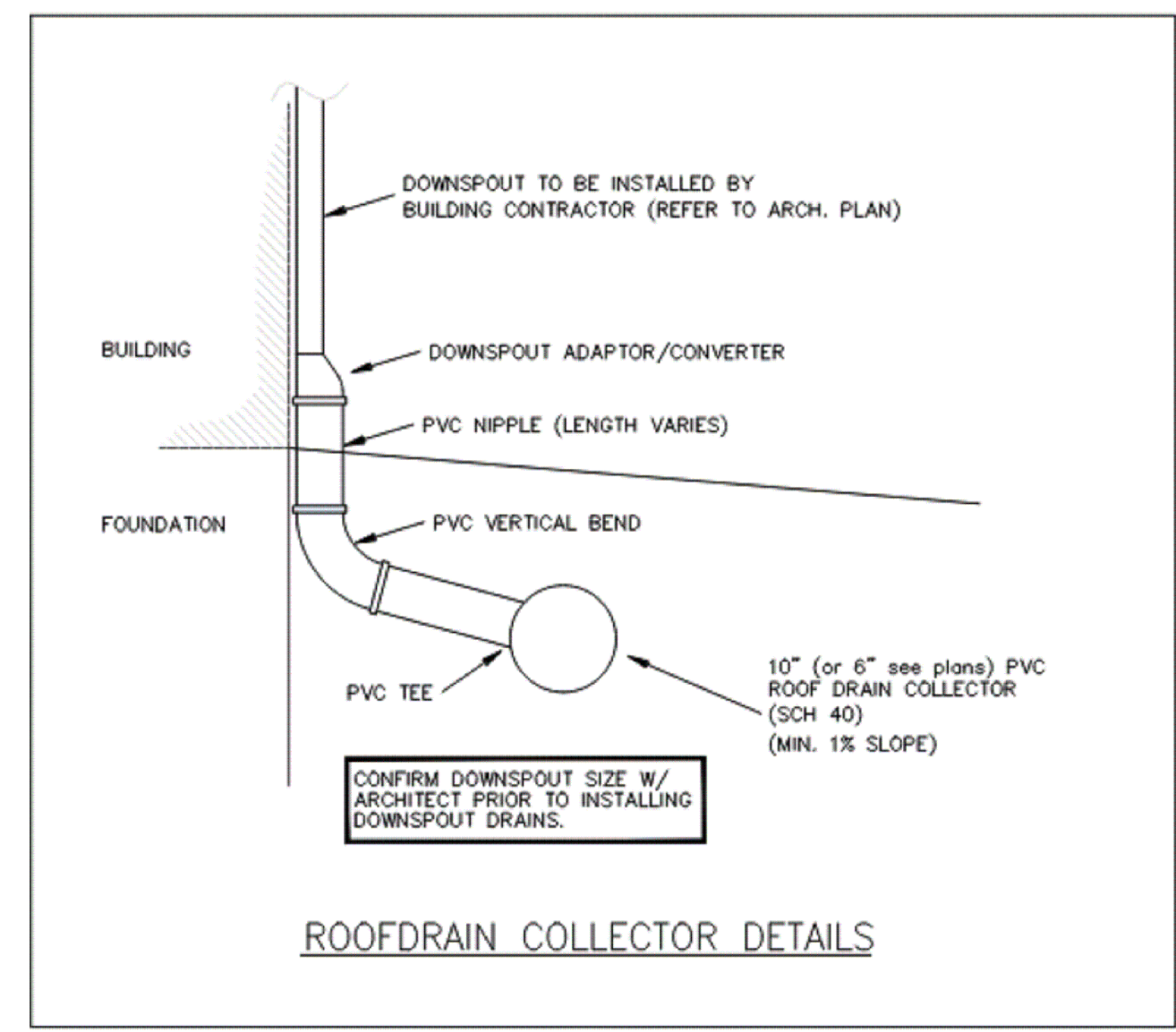


7 4' X 4' CURB INLET
C1.4 SCALE: NOT TO SCALE

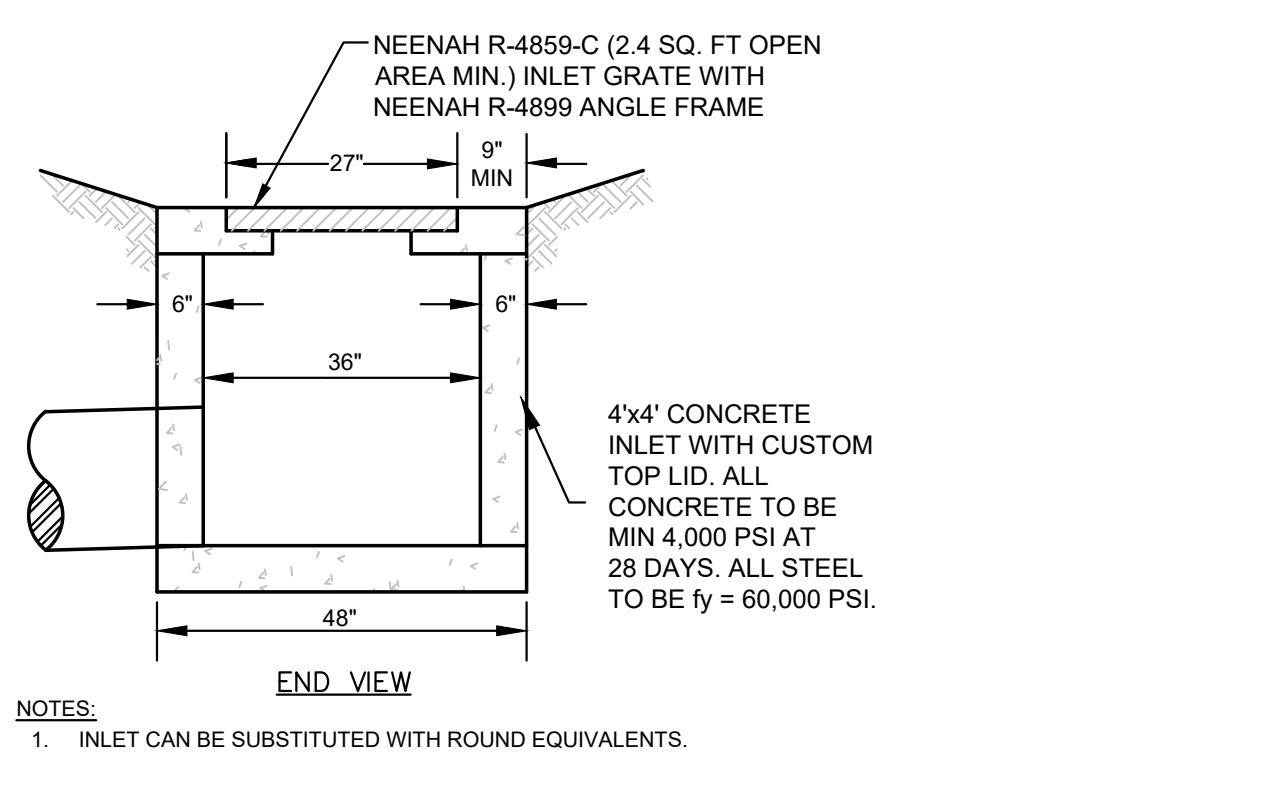


8 MOUNTABLE CURB & GUTTER
C1.4 SCALE: NOT TO SCALE

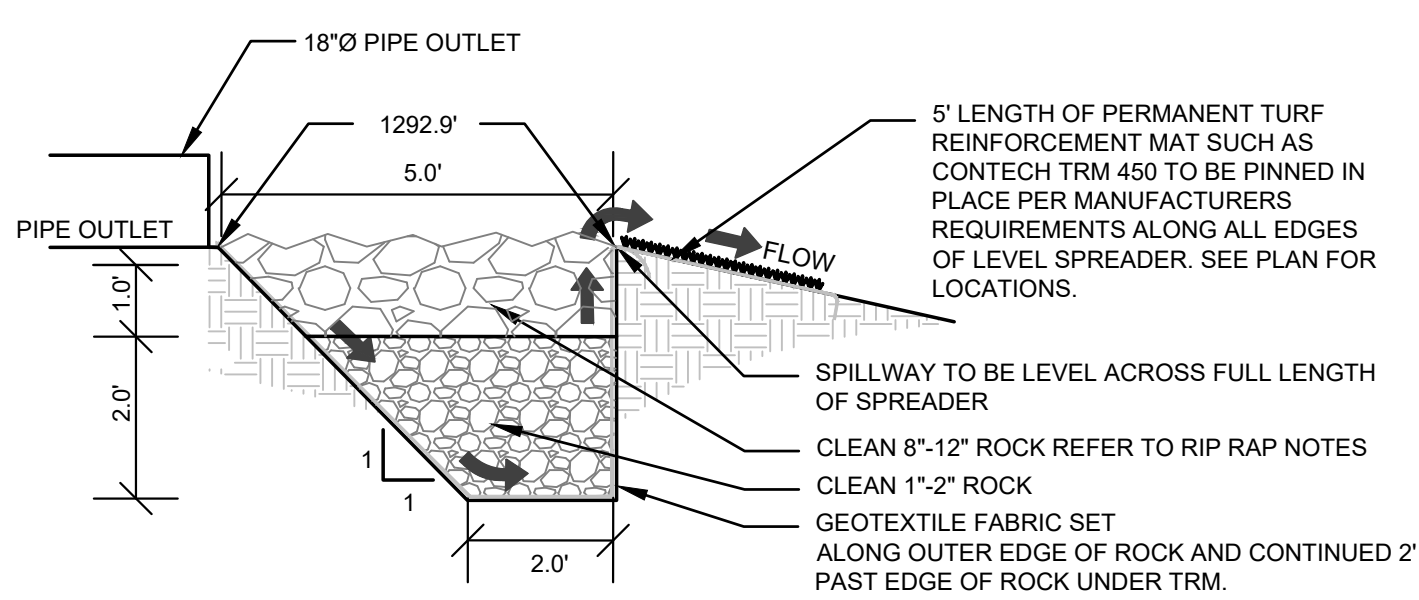
9 CURB AND GUTTER
C1.4 SCALE: NOT TO SCALE



10 DOWNSPOUT COLLECTOR DETAIL
C1.4 SCALE: NTS

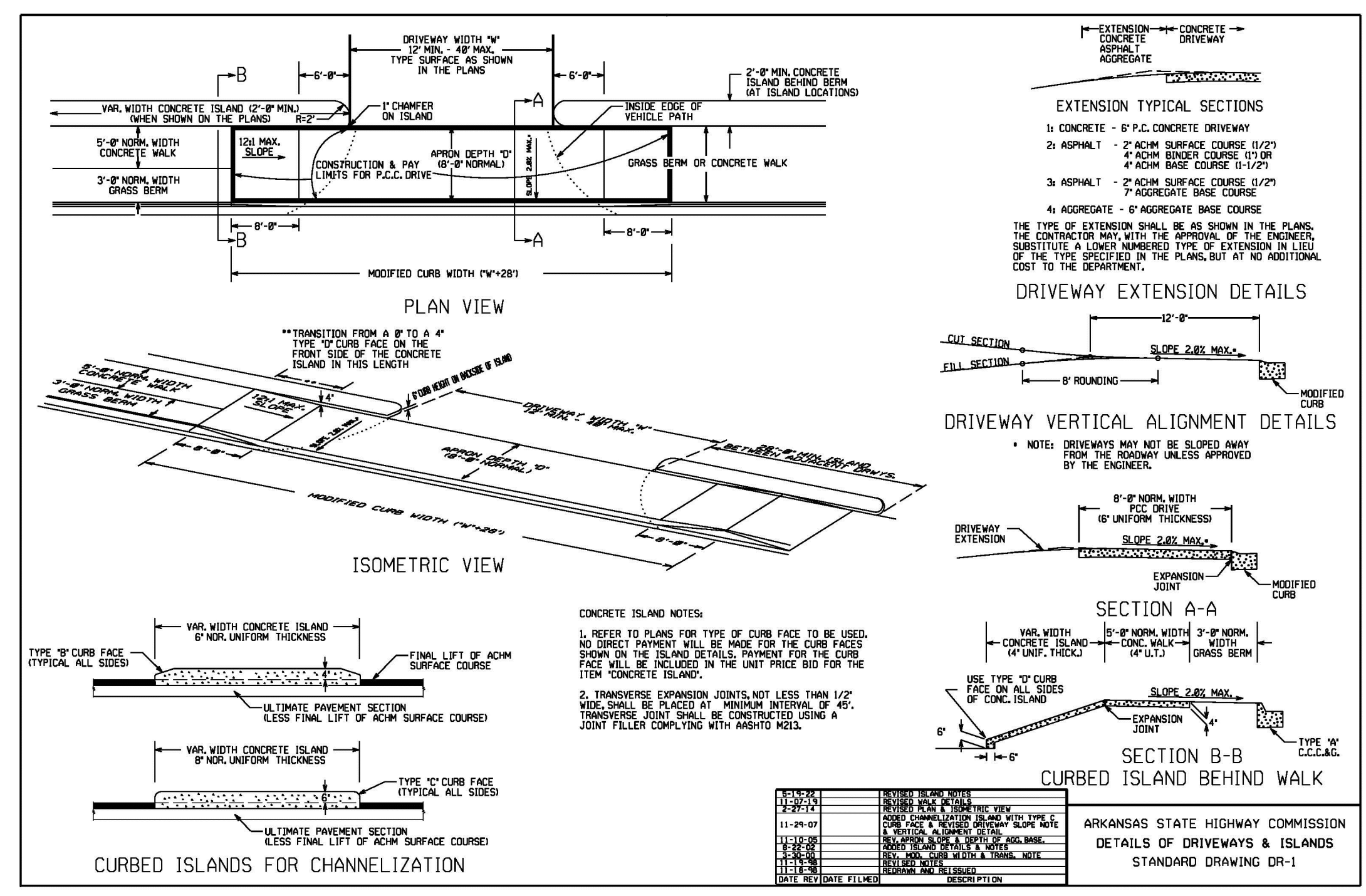


11 GRATED AREA INLET
C1.4 SCALE: NOT TO SCALE



SPECIAL NOTES:
1. AGGREGATE AND SUBGRADE SHALL NOT BE COMPACTED OR DISTURBED BY HEAVY EQUIPMENT ALONG ENTIRE LENGTH.
2. LEVEL SPREADER SPILLWAY SHALL BE LEVEL TO FUNCTION CORRECTLY. NO SLOPE ANY DIRECTION.

12 LEVEL SPREADER DETAIL
C1.4 SCALE: NOT TO SCALE



13 ARDOT DRIVEWAY DETAIL
C1.4 SCALE: NOT TO SCALE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19640
MOLLY ROSS
06-21-2022

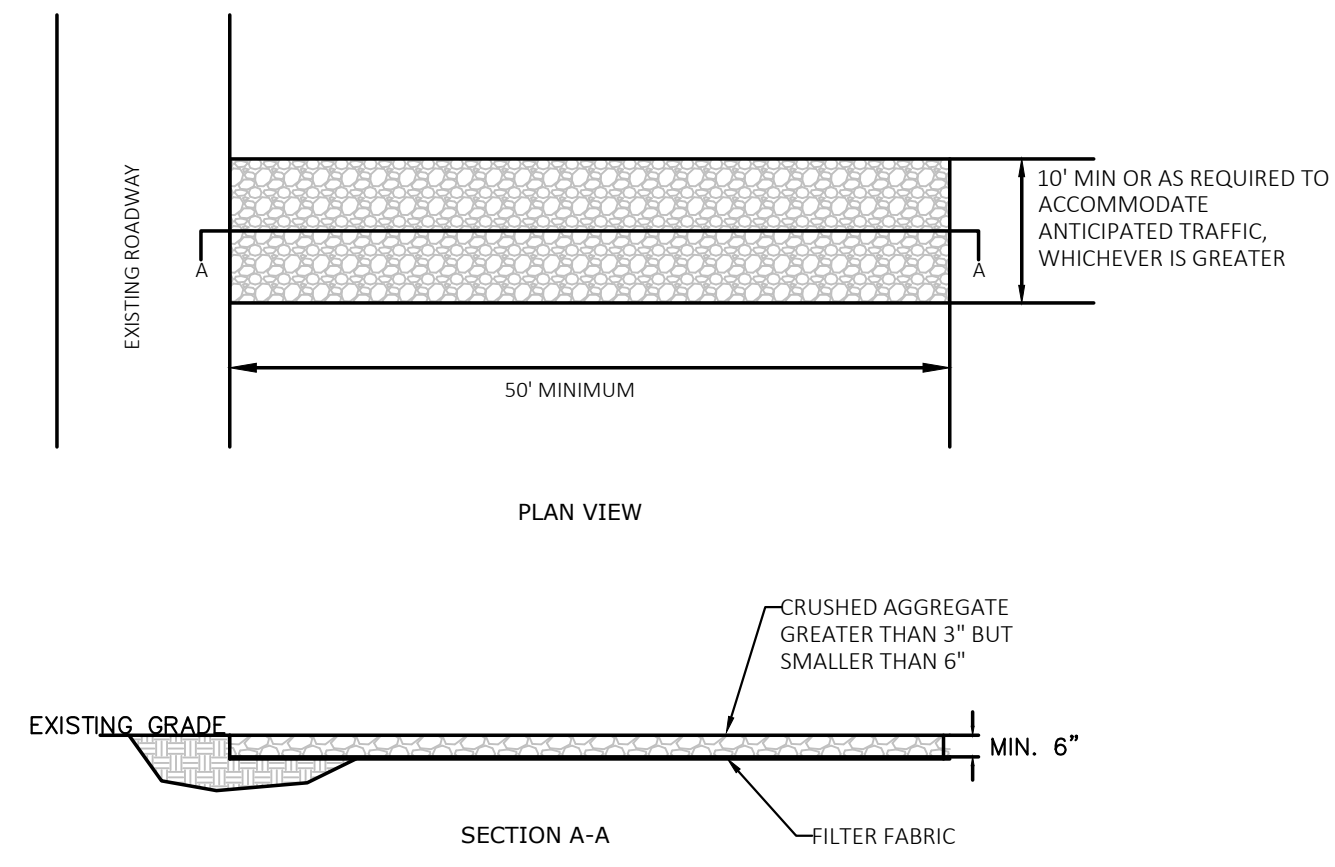
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1	REVISIONS	KOW	06-21-2022	KOW	06-07-2022		22RO10013

MAX ALLEY INVESTMENTS, LLC
MAX ALLEY CAR WASH
TONTOWN, ARKANSAS
DETAILS

1256 & 1272 E HENRI DE TONTI BLVD
SHEET NUMBER
C1.4

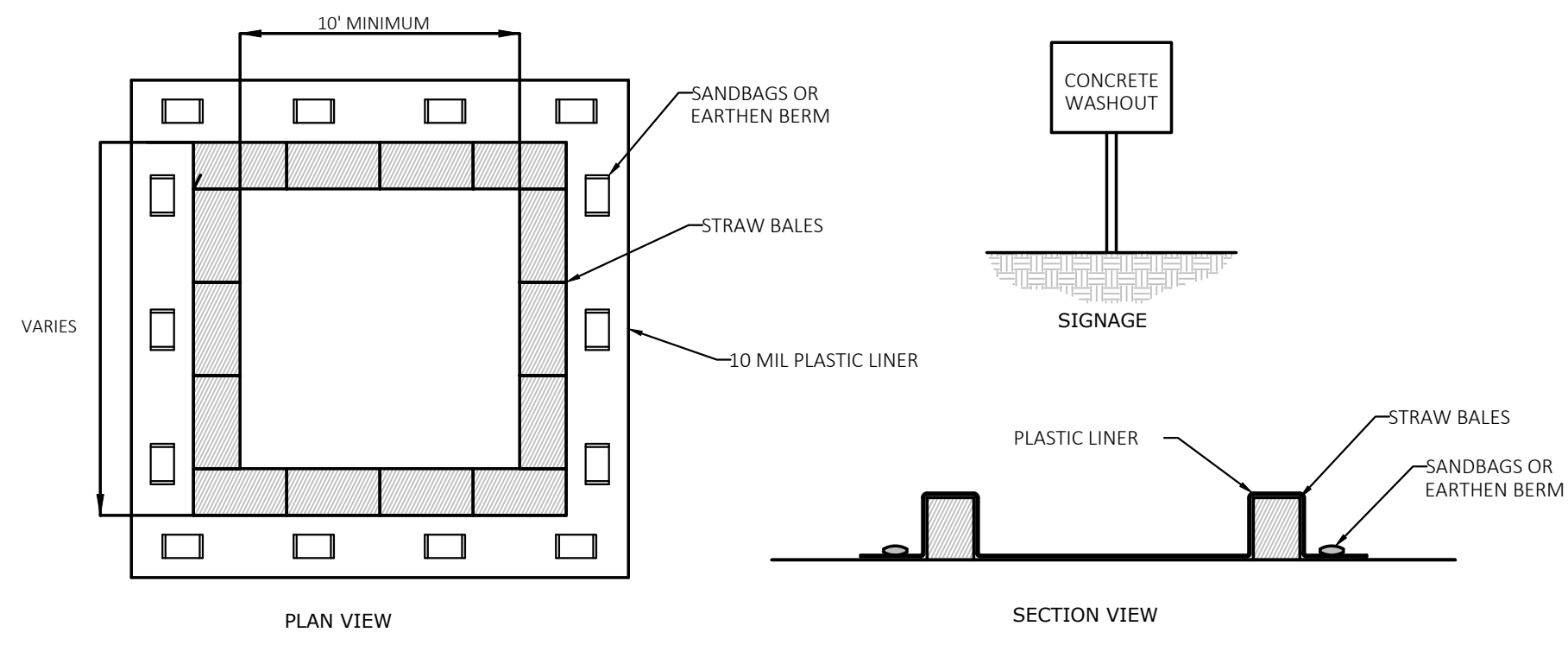
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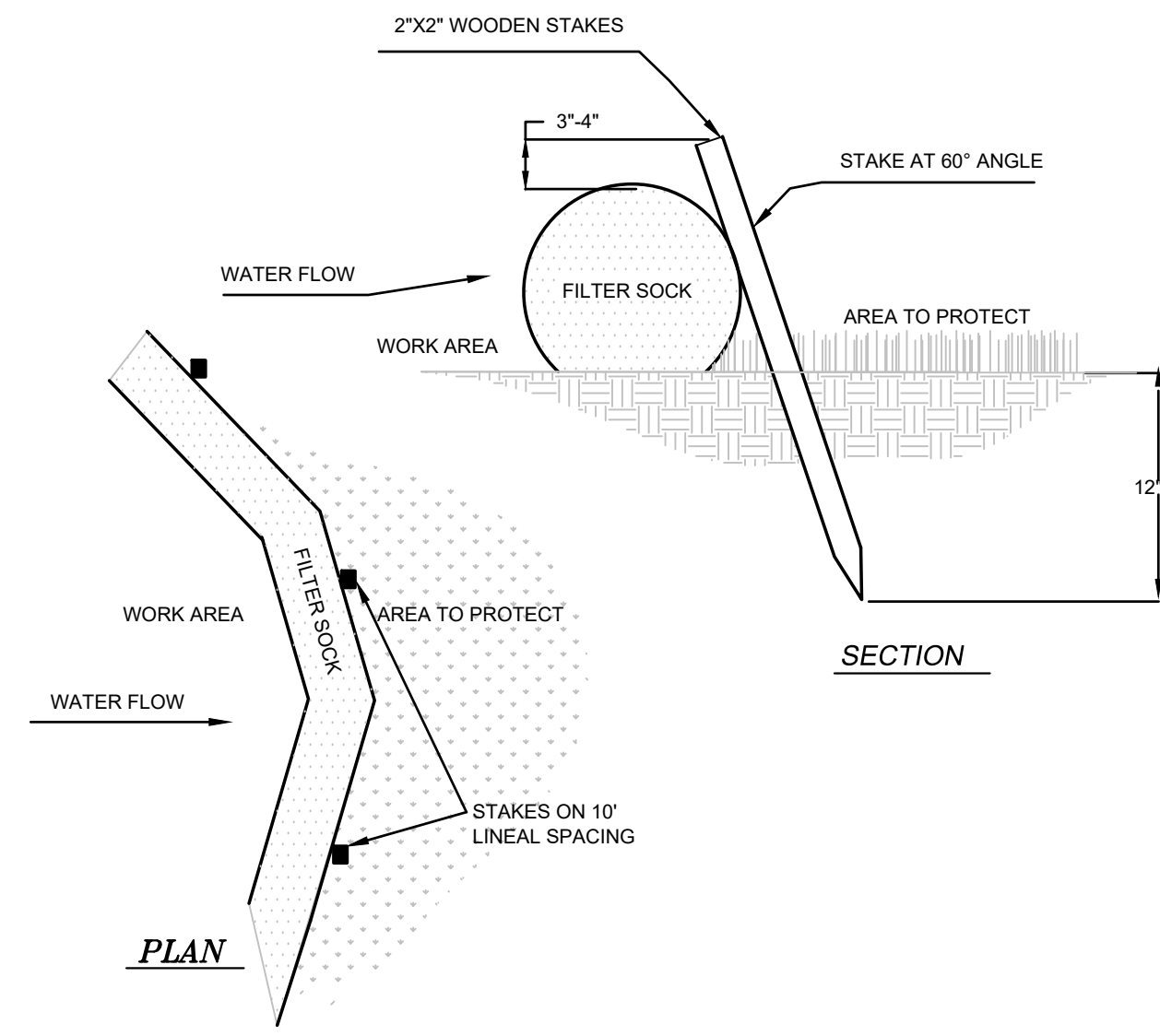
- NOTES:
1. AVOID PLACING EXITS IN AN OUTFALL AREA OR OTHER LOW AREAS WHERE WATER PONDS OR FLOWS.
 2. A CULVERT SHALL BE INSTALLED IF EXIT CROSSES A DITCH.
 3. ROCK APRON INSTALLATION SHALL BE WIDE ENOUGH TO ACCOMMODATE TURNING VEHICLES.
 4. ADD NEW ROCK OR RAKE EXISTING ROCK WHEN VOIDS FILL WITH SEDIMENT.
 5. ANY MUD, ROCK OR DEBRIS TRACKED ONTO PAVED SURFACES AND ACCUMULATED IN CURBS SHALL BE REMOVED IMMEDIATELY USING A SWEEPER, SHOVEL, ETC.
 6. REMOVE EXIT WHEN VEHICLES AND EQUIPMENT WILL NO LONGER ACCESS UNPAVED AREAS.

1 CONSTRUCTION EGRESS
C1.6 SCALE: NOT TO SCALE

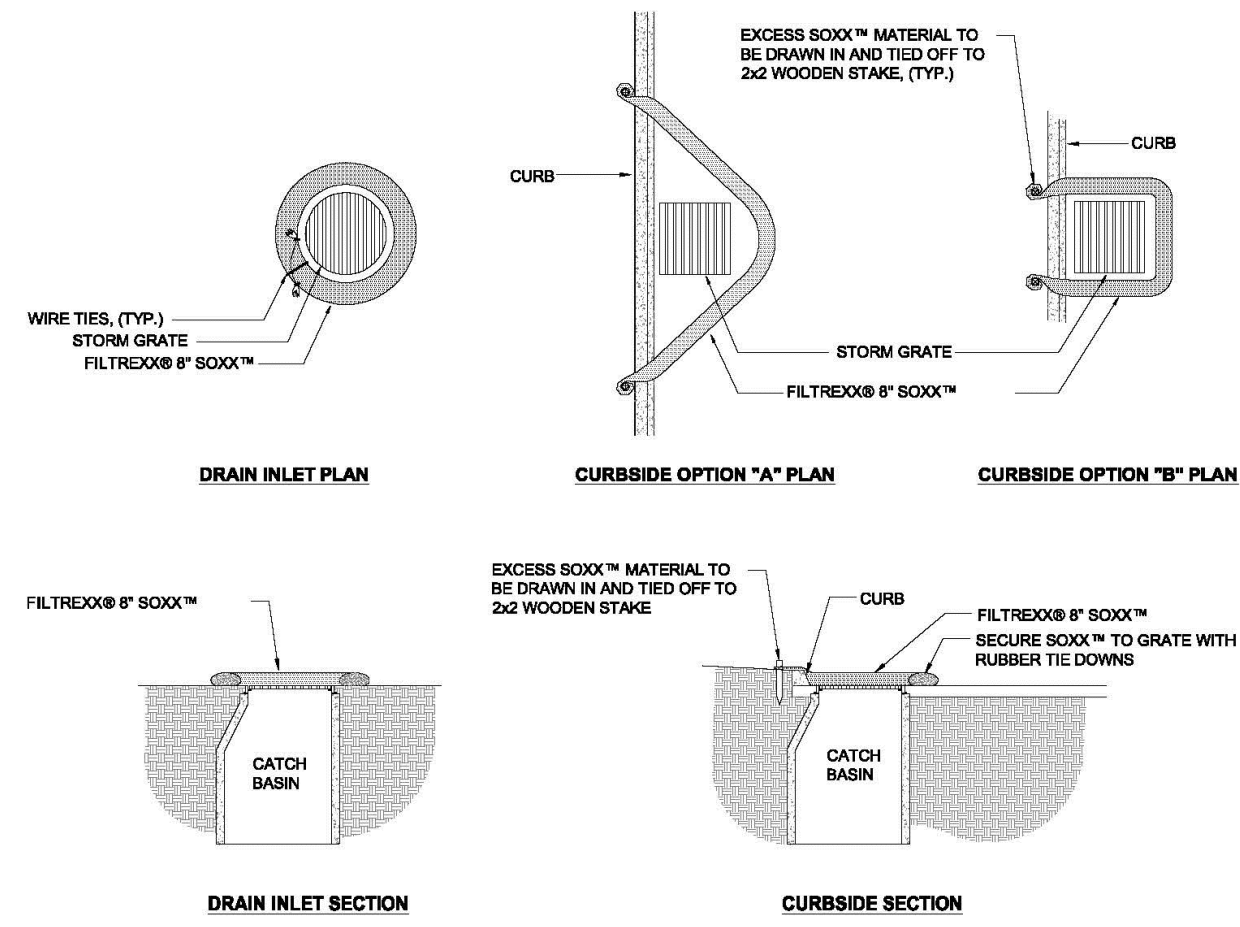


- NOTES:
1. WASHOUT CONTAINMENT SHALL BE INSTALLED FOR DURATION OF CONCRETE WORK AND RETAIN CONCRETE AND OTHER WASHOUT LIQUIDS UNTIL EVAPORATION OR REMOVAL BY PUMP.
 2. CONTAINMENT SHALL BE SIZED FOR EXPECTED WASHOUT VOLUMES.
 3. AVOID PLACING NEAR STORM DRAINS, STREAMS, SINKHOLES, OUTFALLS OR OTHER LOW AREAS WHERE WATER PONDS OR FLOWS.
 4. OTHER APPROVED LEAK-PROOF CONTAINMENT IS ACCEPTABLE.
 5. TRAPS SHALL BE ROUTINELY MAINTAINED AT 75% CAPACITY AND REPLACED AS NECESSARY TO PERFORM.
 6. THE WASHOUT PIT SHALL BE COVERED BEFORE PREDICTED RAIN EVENTS TO PREVENT OVERFLOW.
 7. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30FT OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

2 CONCRETE WASHOUT
C1.6 SCALE: NOT TO SCALE



3 COMPOST FILTER SOCKS
C1.6 SCALE: NOT TO SCALE



- NOTES:
1. ALL MATERIAL TO MEET FILTERSOX® SPECIFICATIONS.
 2. FILTER MEDIA® FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPENSED ON SITE, AS DETERMINED BY ENGINEER.

FILTERSOX® INLET PROTECTION
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4 INLET PROTECTION
C1.6 SCALE: NOT TO SCALE

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19640
MOLLY ROBB
06-21-2022

DRAWING INFO.		FIELD BY:		DATE	
NO.	1	BY	KOW	DATE	06-21-2022
REVISIONS		FIELD BY:	MRR	DATE:	06-07-2022
DESCRIPTION	REVISIONS	DRAWN BY:	KOW	FIELD BOOK:	22RO10013
		CHECK BY:	MRR	JOB NUMBER:	

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DETAILS

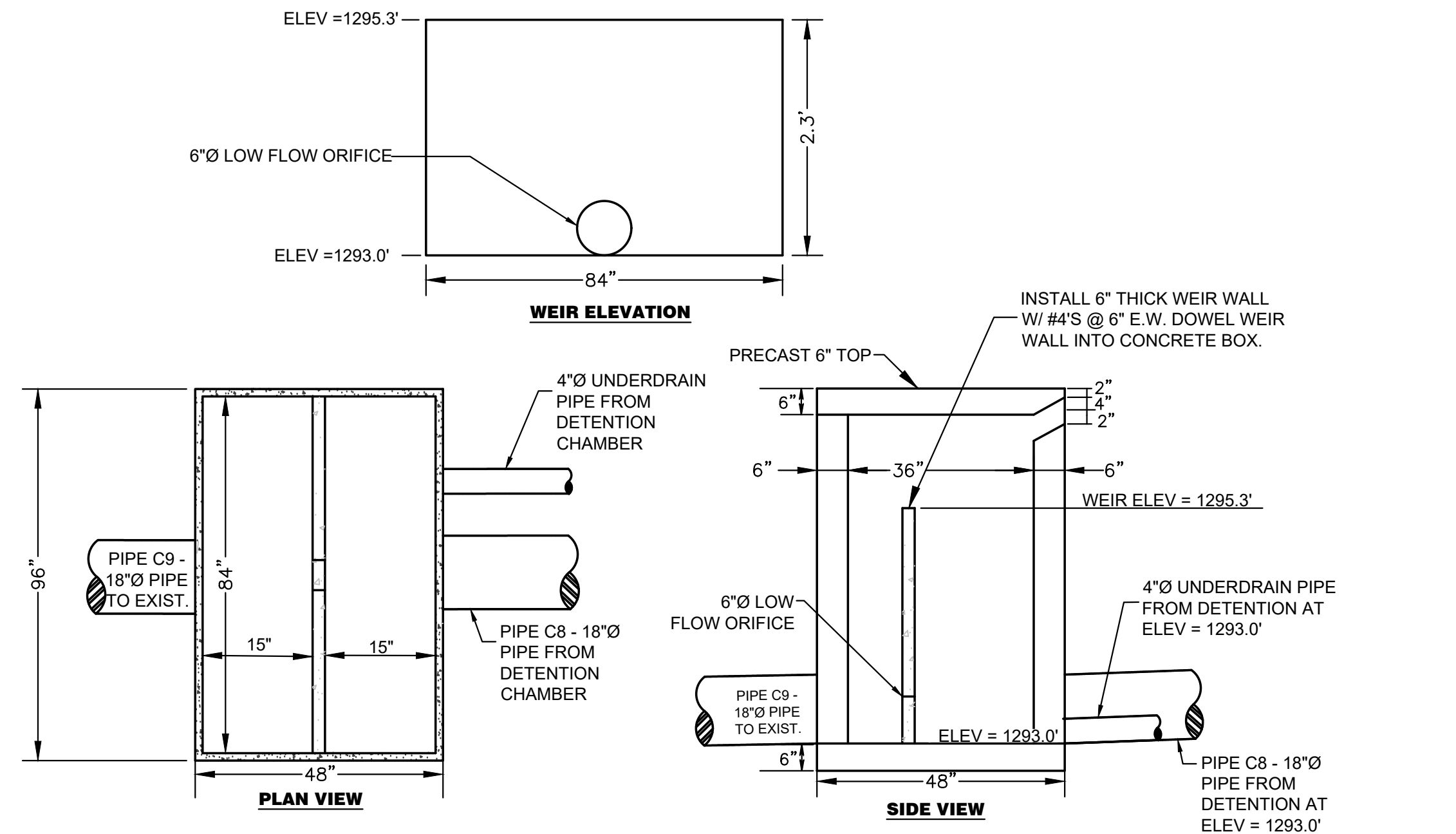
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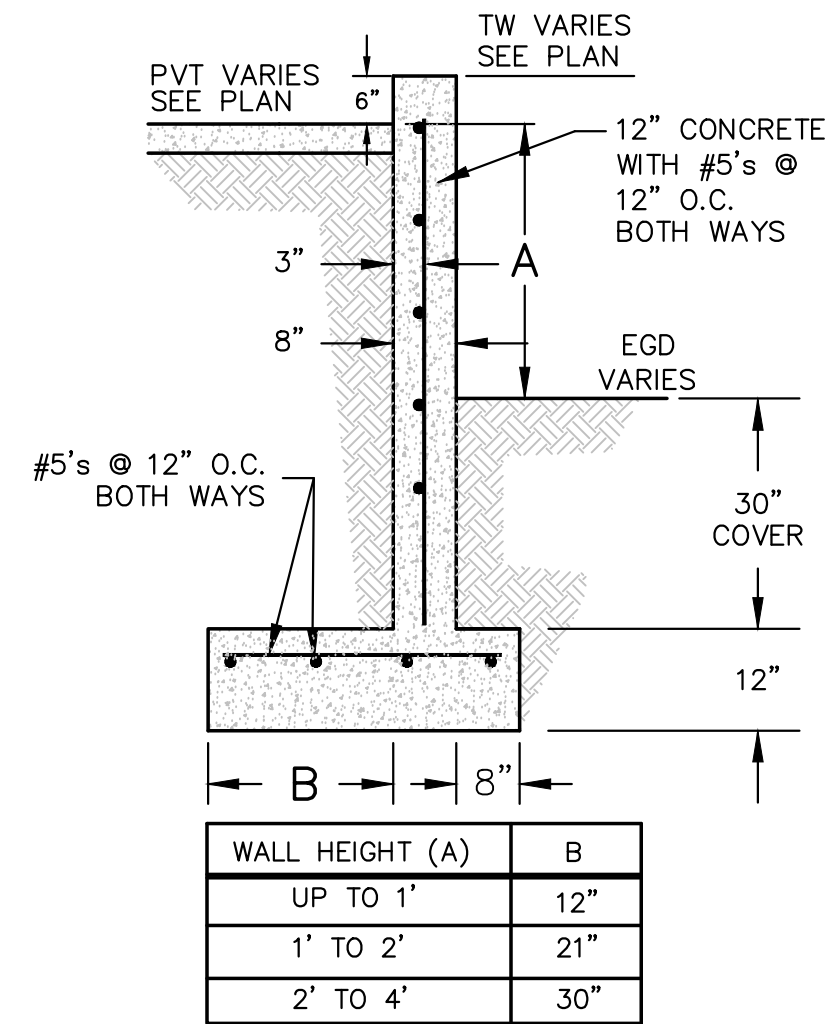
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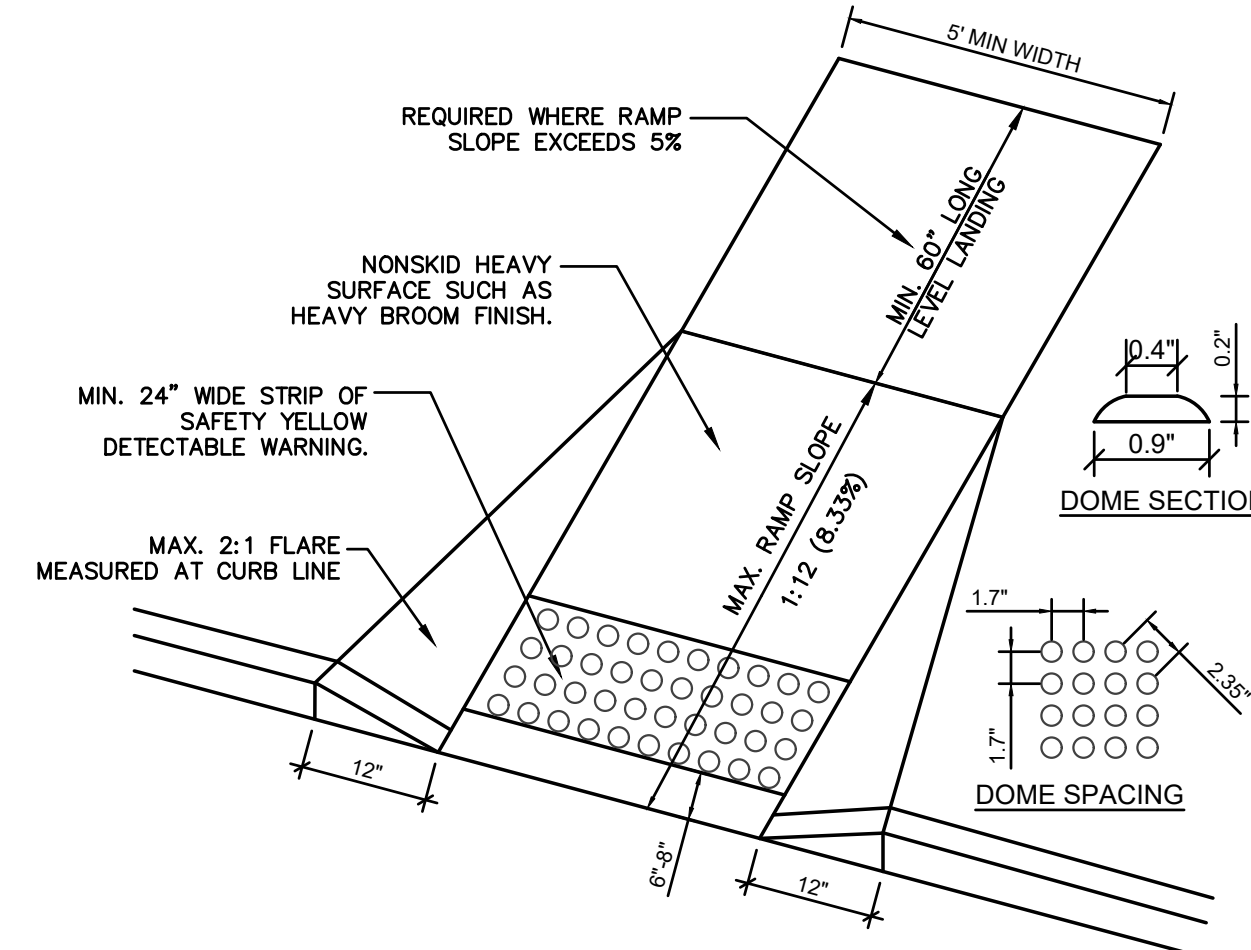
- NOTES:
1. SEAL ALL CONNECTIONS WITH NON-SHRINK GROUT.
 2. MIN. #4 BARS @ 12" O.C. EACH WAY (ALL WALLS VERT. HOR & SLAB)
 3. INSTALL 6" THICK WEIR WALL W/ #4'S @ 6" E.W., DOWEL WEIR WALL INTO CONCRETE BOX.
 4. AFTER EACH MAJOR RAINFALL EVENT OWNER MUST INSPECT DETENTION OUTLET FOR SEDIMENT ACCUMULATION AND REMOVE SEDIMENT IF PRESENT.
 5. ALL CONCRETE TO BE MIN 4,000 PSI AT 28 DAYS. ALL STEEL TO BE F = 60,000 PSI.

1 DETENTION OUTLET CONTROL STRUCTURE
C1.7 SCALE: NOT TO SCALE



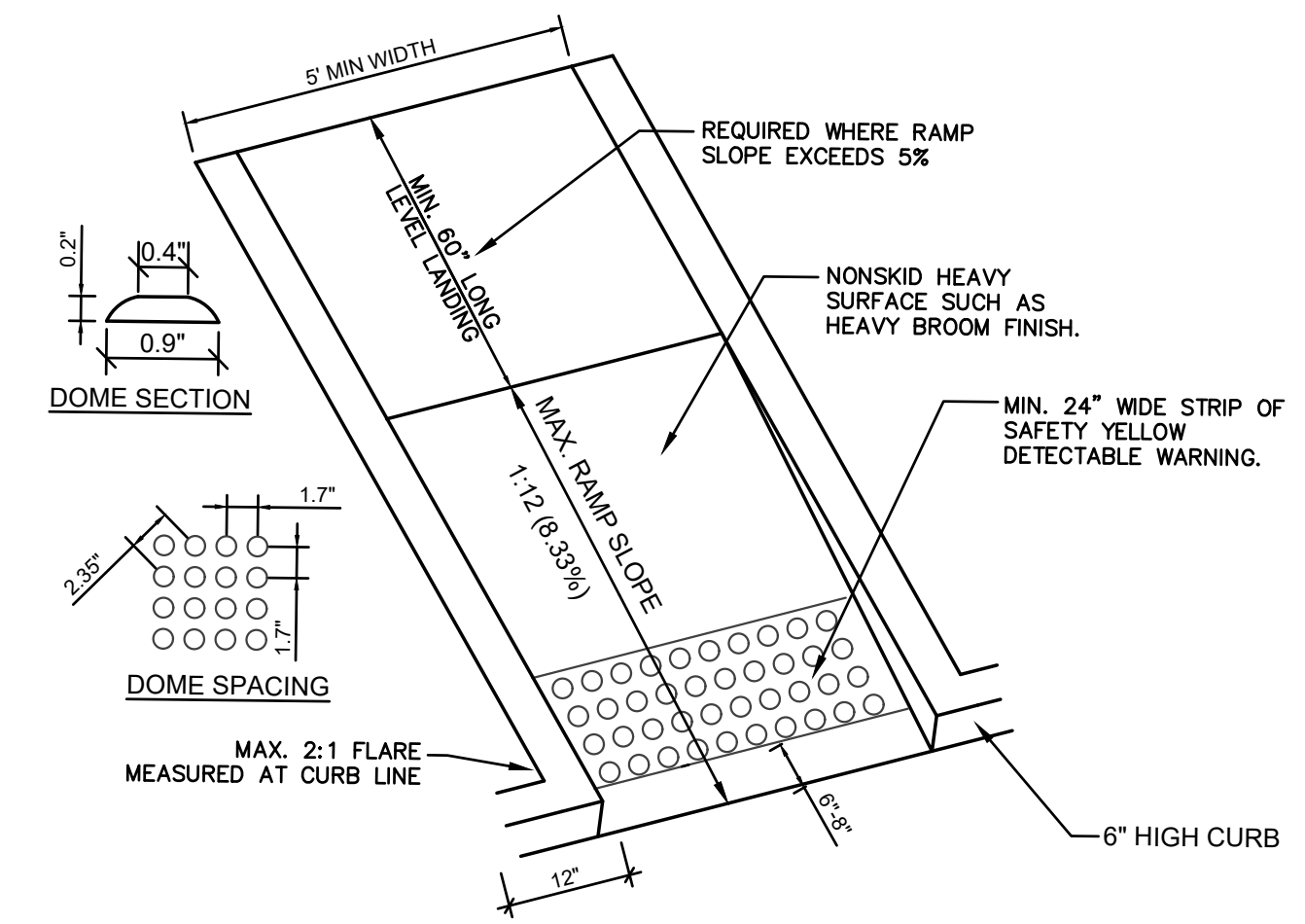
- GENERAL NOTES:
1. ALL CONCRETE TO BE 3,000 PSI.
 2. ALL REINFORCING BARS TO BE GRADE 60.

2 RETAINING CURB
C1.7 SCALE: NOT TO SCALE



- NOTE:
1. TRUNCATED DOMES SHALL BE DETECTABLE WARNING TILES. STAMPED CONCRETE IS NOT PERMITTED.
 2. THE RAMPED SURFACES SHALL BE COLORED TO CONTRAST TO THE ADJOINING SIDEWALK AS PER SPECIFICATIONS.
 3. THE CROSS-SLOPE OF THE RAMP AND TRUNCATED DOMES CANNOT EXCEED 2%.

3 ADA RAMP DETAIL
C1.7 SCALE: NOT TO SCALE



- NOTE:
1. TRUNCATED DOMES SHALL BE DETECTABLE WARNING TILES. STAMPED CONCRETE IS NOT PERMITTED.
 2. THE RAMPED SURFACES SHALL BE COLORED TO CONTRAST TO THE ADJOINING SIDEWALK AS PER SPECIFICATIONS.
 3. THE CROSS-SLOPE OF THE RAMP AND TRUNCATED DOMES CANNOT EXCEED 2%.

4 ADA RAMP DETAIL
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					FIELD BY:	FIELD DATE:	JOB NUMBER:	JOB DATE:
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MAX ALLEY INVESTMENTS, LLC
 MAX ALLEY CAR WASH
 TONTOWN, ARKANSAS
 DETAILS
 1256 & 1272 E HENRI DE TONTI BLVD

SHEET NUMBER
C1.7

PROJECT INFORMATION	
ENGINEERED BY	DAVID ALSTON
PROJECT NO.	188-890-284
OWNER	MAX ALLEY GLIDE XPRESS
MANAGER	CHANDLER TENDON
ADDITIONAL INFO	CHANDLER.TENDON@ADS.COM
PROJECT NO.	188-890-284



MAX ALLEY GLIDE XPRESS TONTITOWN, AR

SC-310 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-310.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2322 (POLYETHYLENE) OR ASTM F2418 (POLYPROPYLENE), STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS.
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPED FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE ASHOTO LIFE PROPOSED DESIGN SPECIFICATIONS SECTION 12.12 ARE MET FOR 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE ASHOTO DESIGN TRUCK WITH CONSIDERATION FOR BENT AND VEHICLE PRESIDENCE.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2327, STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS. LOAD CONFIGURATIONS SHALL INCLUDE 1) TYPICAL TRUCKS (1) AND ASHOTO DESIGN TRUCK (1) WITH A MINIMUM COVER OF 12" (305 mm) TO THE TOP OF THE CHAMBER AND ALLOWABLE COVER WITH PARKED (1-WHEEL) ASHOTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTERNAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LB-IN. THEREAS, THE ARCH IS DEFINED IN SECTION 6.2 OF ASTM F2327 AND 12.12 OF THE ASHOTO DESIGN TRUCK.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.65 FOR DEAD LOADS AND TO 1.75 FOR LIVE LOADS. THE MINIMUM REQUIRED BY ASTM F2327 AND BY SECTIONS 6 AND 12.12 OF THE ASHOTO DESIGN TRUCK.
 - THE TEST COVERED DEEP MODULUS AS SPECIFIED IN ASTM F2322 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT SHALL BE THE 30-MIN MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PROCURED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

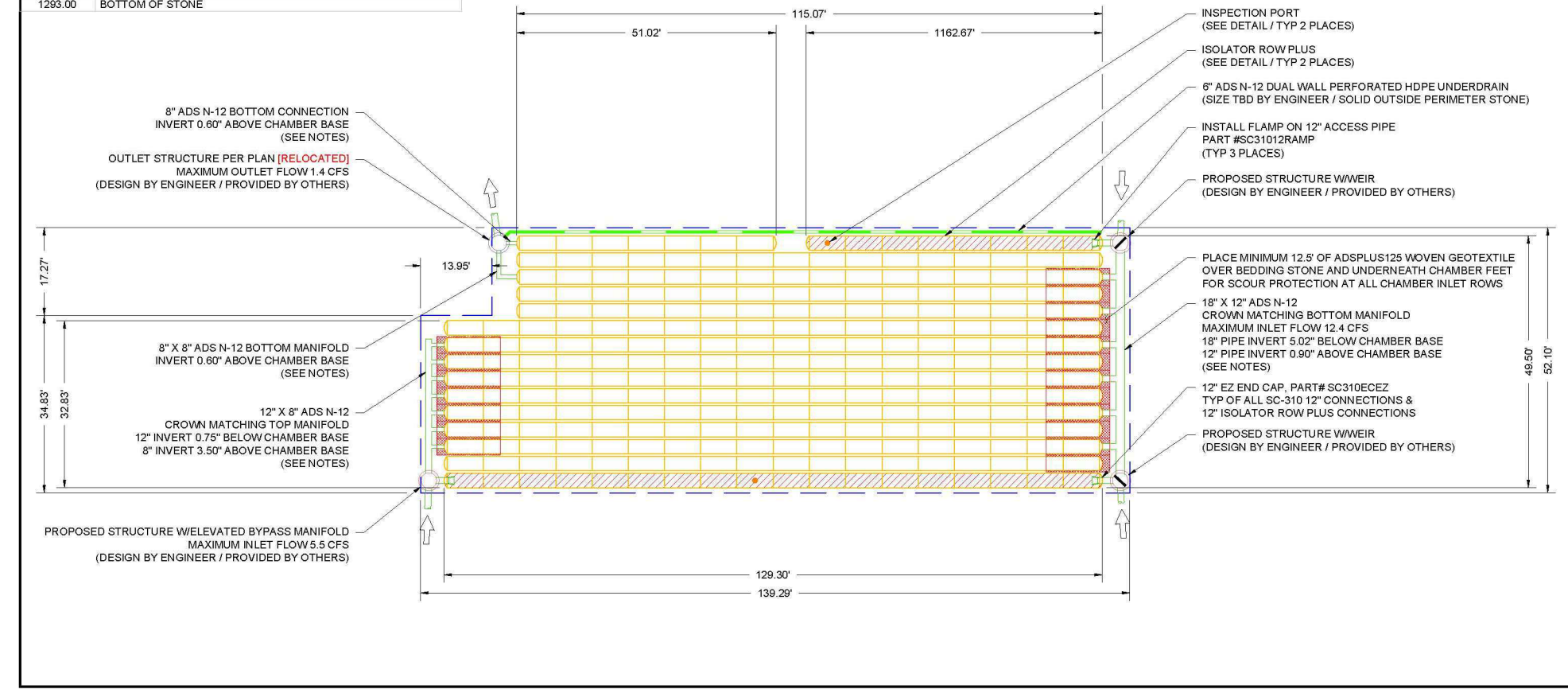
- STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE STORMTECH SC-310/SC-310/SC-780 CONSTRUCTION GUIDE.
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.
 - STORMTECH SC-310 CHAMBERS SHALL BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.
 - STORMSHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS NOTED MUST BE ON AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEALED PRIOR TO PLACING STONE.
- MANHOLE MANHOLE - 1" (25.4 mm) SPACING BETWEEN THE CHAMBER ROWS.
- IMBEDDED STONE SURROUNDING CHAMBERS MUST BE CLEAN, CRUSHED, ANGULAR GRADE 3/4" (19.0 mm) OR BETTER.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "PLENOSTON CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE STORMTECH SC-310/SC-310/SC-780 CONSTRUCTION GUIDE.
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-780 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON CHAMBER ROWS.
 - NO RUBBER TREADED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE STORMTECH SC-310/SC-310/SC-780 CONSTRUCTION GUIDE.
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE STORMTECH SC-310/SC-310/SC-780 CONSTRUCTION GUIDE.
- FULL 30" (762 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

PROPOSED LAYOUT	
206	STORMTECH SC-310 CHAMBER
32	STORMTECH SC-310 END CAPS
9	STONE ABOVE
9	STONE BELOW
40	STONE VOID
10,246	INSTALLED BY ITEM VOLUME (CF PERIMETER STONE INCLUDED)
7016	SYSTEM AREA (SQ)
383	SYSTEM PERIMETER (L)

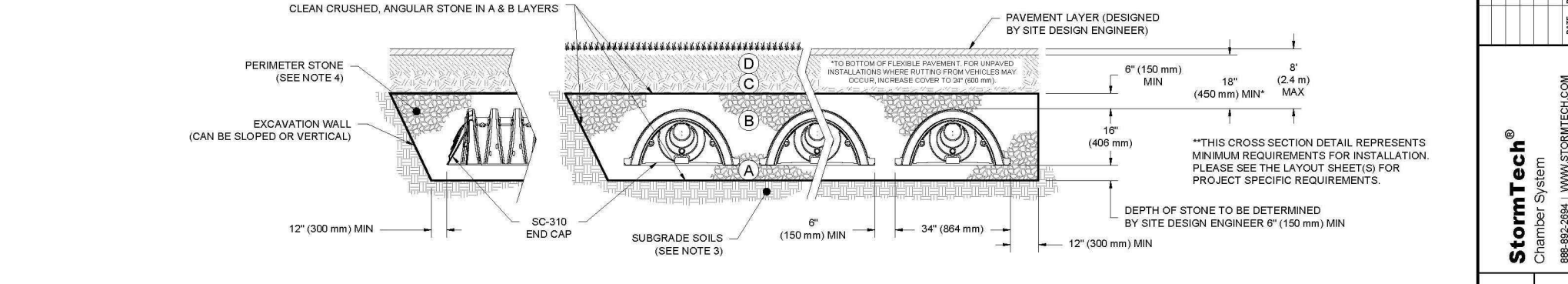
PROPOSED ELEVATIONS	
1207.08	MINIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/ASPHALT)
1206.90	MINIMUM ALLOWABLE GRADE (PAVED WITH TRAFFIC)
1206.80	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
1206.60	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
1206.00	TOP OF STONE
1206.00	TOP OF SC-310 CHAMBER
1204.04	12" x 8" TOP MANHOLE (IF PIPE INVERT)
1203.00	12" x 8" BOTTOM MANHOLE (IF PIPE INVERT)
1203.00	12" ISOLATOR ROW PLUS CONNECTION INVERT
1202.00	12" BOTTOM MANHOLE CONNECTION INVERT
1200.75	BOTTOM OF SC-310 CHAMBER
1200.75	12" x 4" TOP MANHOLE (IF PIPE INVERT)
1200.30	12" x 4" BOTTOM MANHOLE (IF PIPE INVERT)
1200.00	UNDERDRAIN INVERT
1200.00	BOTTOM OF STONE



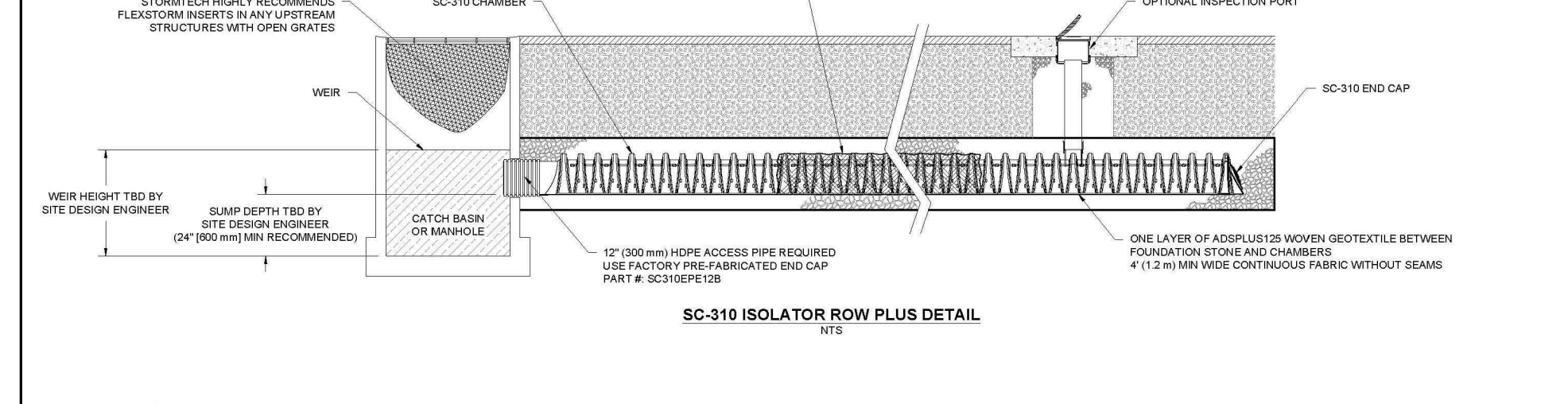
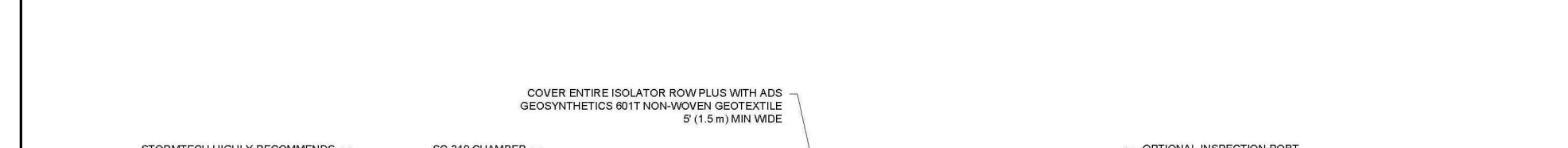
MAX ALLEY GLIDE XPRESS	TONTITOWN, AR
DATE: 06-21-2022	SCALE: AS SHOWN
PROJECT: 188-890-284	DESIGNER: DAVID ALSTON
CLIENT: MAX ALLEY GLIDE XPRESS	CHECKED: CHANDLER TENDON
MANUFACTURER: STORMTECH	DATE: 06-21-2022
NO. 2	SHEET OF 5

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS			
MATERIAL LOCATION	DESCRIPTION	ASHOTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL MATERIAL FOR LAYER 12 STARTS FROM THE TOP OF THE 12" LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 12" LAYER.	NA	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS SHALL HAVE 8" MINIMUM MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL MATERIAL FOR LAYER 12 STARTS FROM THE TOP OF THE EMBEDED STONE LAYER TO 18" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 12" LAYER.	ASHOTO M14P A.1, A.2, A.3 OR ASHOTO M4T	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBER IS REACHED. COMPACT ADDITIONAL LAYERS IN 4" (100 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 90% PROCTOR DENSITY FOR POORLY GRADED MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LB (5,443 kg). DYNAMIC FORCE NOT TO EXCEED 20,000 LB (9,072 kg).
B	EMBEDDED STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE OR LAYER 12 TO THE 12" LAYER ABOVE.	ASHOTO M4T 3, 307, 4, 407, 5, 507, 6, 67, 78, 7, 78, 8, 89, 9, 10	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	ASHOTO M4T 3, 307, 4, 407, 5, 507, 6, 67	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ¹⁾

- PLEASE NOTE:
- THE LISTED ASHOTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (ASHOTO) STONE".
 - WHERE PERMITS OR LOCAL AGENCIES REQUIRE A FLAT SURFACE, THE STONE MUST BE COMPACTED OR GRADED TO ACHIEVE A FLAT SURFACE. CONTACT STORMTECH FOR CONSTRUCTION REQUIREMENTS.
 - ONCE LAYER 12 IS PLACED, ANY SOLID MATERIAL CAN BE PLACED IN LAYER 12 UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOLLS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 12 OR 12" TO THE SITE DESIGN ENGINEER'S DISCRETION.

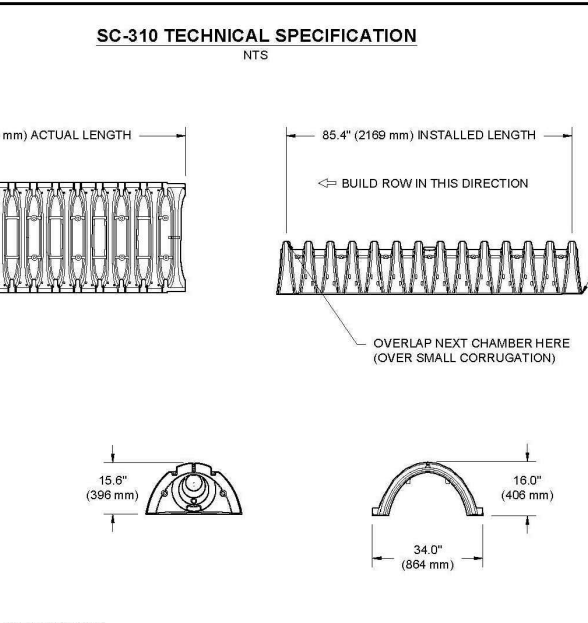
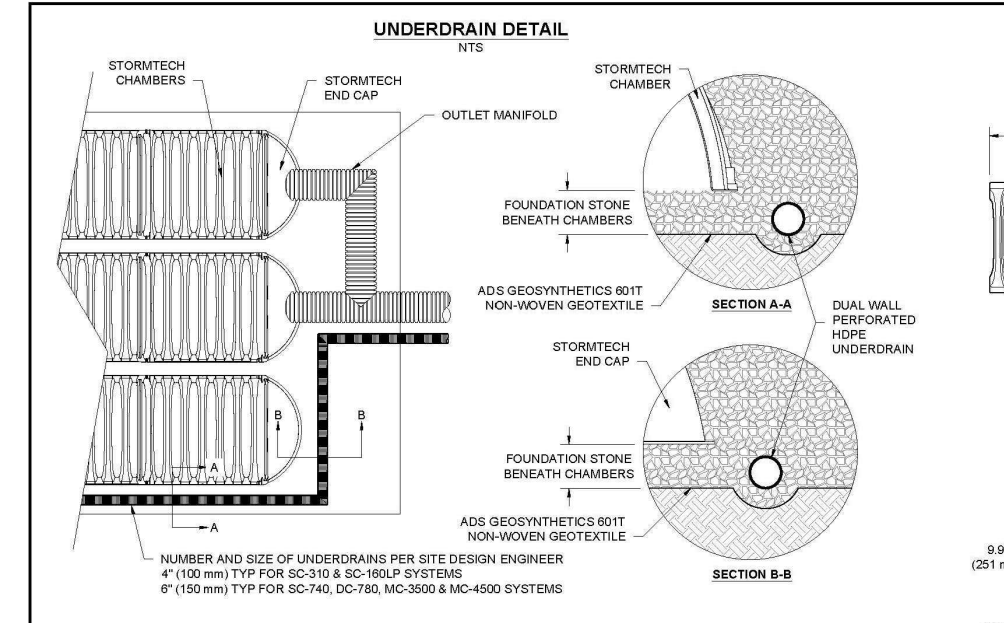


- NOTES:
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2322 (POLYETHYLENE) OR ASTM F2418 (POLYPROPYLENE), STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS.
 - SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2327, STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS.
 - THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
 - PARAMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 - REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTERNAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2 OF ASTM F2327 AND 12.12 OF THE ASHOTO DESIGN TRUCK SHALL BE GREATER THAN OR EQUAL TO 400 LB-IN.
 - TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 77° F / 27° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



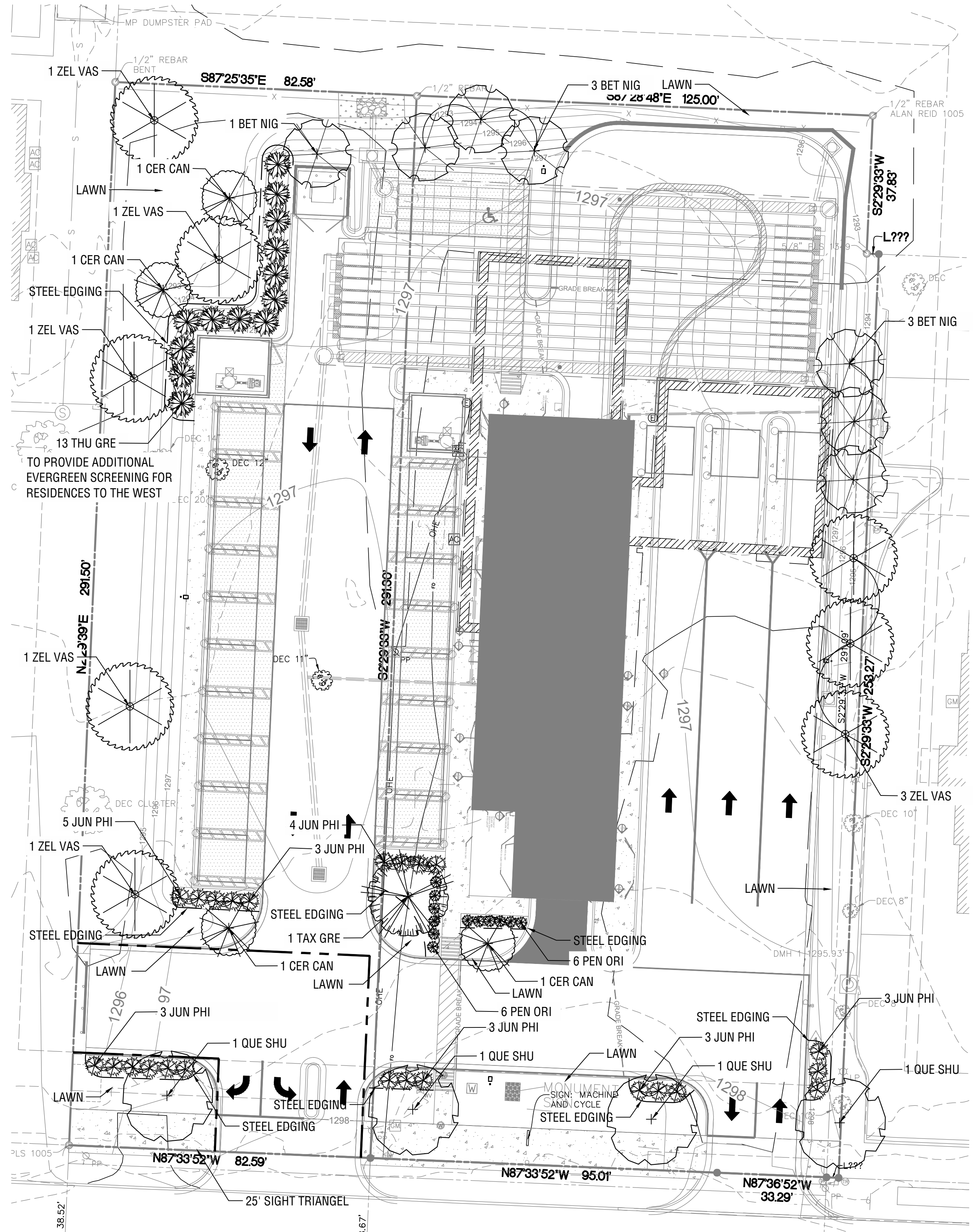
- INSPECTION & MAINTENANCE
- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- REMOVING LID ON INSPECTION PORT
 - REMOVE SEDIMENT FROM INSPECTION PORT
 - USING A FLASHLIGHT AND STADA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVEL (OPTIONAL)
 - IF SEDIMENT IS AT OR ABOVE 3" (76 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETWC PROCESS
- A JETWC CLEANING NOZZLE WITH REAR FACING SPREAD OF 40" (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETWC UNTIL BACKFLOW WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS. RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.
- NOTES
- INSPECT EVERY 4 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
 - CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.
- NOTE: INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

MAX ALLEY GLIDE XPRESS	TONTITOWN, AR
DATE: 06-21-2022	SCALE: AS SHOWN
PROJECT: 188-890-284	DESIGNER: DAVID ALSTON
CLIENT: MAX ALLEY GLIDE XPRESS	CHECKED: CHANDLER TENDON
MANUFACTURER: STORMTECH	DATE: 06-21-2022
NO. 4	SHEET OF 5



NOMINAL CHAMBER SPECIFICATIONS			
CHAMBER STORAGE	34.7' x 18.0' x 8.64" (1058 mm x 488 mm x 219 mm)		
CHAMBER STORAGE	147 CUBIC FEET (4142 m³)		
MINIMUM INSTALLED STORAGE	20 CUBIC FEET (568 m³)		
MINIMUM STORAGE	118.8 kg		

PART #			
SC310P001	SC310P002	SC310P003	SC310P004
SC310P005	SC310P006	SC310P007	SC310P008
SC310P009	SC310P010	SC310P011	SC310P012
SC310P013	SC310P014	SC310P015	SC310P016
SC310P017	SC310P018	SC310P019	SC310P020
SC310P021	SC310P022	SC310P023	SC310P024
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SC310P441	SC310P442	SC310P44	



1 LANDSCAPE PLAN
1" = 20'-0"

KEY	QUAN	UNIT	NAME	ROOT SIZE	BALL	REMARKS
CER CAN	4	EA.	CERCIS CANADENSIS REDBUD	2" CP	B&B	
CER CAN	7	EA.	BETULA NIGRA 'BNMTF' DURA HEAT RIVER BIRCH	2" CP	B&B	MULTI TRUNK MIN. 3"
JUN PHI	24	EA.	JUNIPERUS CHINENSIS 'SEA GREEN' SEA GREEN JUNIPER	#5 C		5' O.C.
PEN ORI	12	EA.	PENNISETUM ORIENTALE 'KARLEY ROSE' KARLEY ROSE FOUNTAIN GRASS	#5 C		3' O.C.
QUE SHU	4	EA.	QUERCUS SHUMARDII SHUMARD OAK	2" CP	B&B	MATCHED
MIS SIN	13	EA.	THUJA PLICATA 'GREEN GIANT' GREEN GIANT ARBORVITAE	6" H	#15 C	8' O.C.
TAX GRE	1	EA.	TAXODIUM DISTICHUM 'JFS-SGPN' GREEN WHISPER BALD CYPRESS	2" CP	B&B	
ZEL VAS	8	EA.	ZELKOVA SERRATA 'GREEN VASE' GREEN VASE JAPANESE ZELKOVA	2" CP	#3 C	

- H: HEIGHT, CP: CALIPER, C: CONTAINER, MT: MULTI-TRUNK, FTG: FULL TO GROUND
- O.C.: INDICATES APPROXIMATE SPACING TO BE EQUAL ON CENTER. SHALL BE CONSIDERED GENERAL GUIDELINE ONLY AND MAY BE MODIFIED TO SUIT ON-SITE CONDITIONS.
- MATCHED: SIZE AND OTHER PHYSICAL CHARACTERISTICS TO BE SIMILAR. ALL DIMENSIONS TO BE WITHIN 5% RANGE.
- QUANTITIES ON PLANT LIST ARE FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANTING PLANS AND COVERAGE OF ALL AREAS DELINEATED. WHEN DISCREPANCIES OCCUR BETWEEN PLANT LIST AND PLANTING PLANS, THE PLANS ARE TO SUPERSEDE THE PLANT LIST.
- 4" CALIPER TREES AND LARGER TO BE LIMBED 6" MINIMUM TO FIRST BRANCH WITH NO VISIBLE PRUNING MARKS ALLOWED.

PLANTING NOTES:

- CONTRACTOR TO ASCERTAIN LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO EXCAVATION AND BE RESPONSIBLE FOR DAMAGE TO UTILITIES RESULTING FROM CONSTRUCTION OPERATIONS. REPAIRS SHALL BE MADE AT NO COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL STRUCTURES, LANDSCAPING, PAVING AND OTHER ITEMS LOCATED WITHIN AND OUTSIDE WORK AREA. ANY DAMAGE TO PERMANENT ITEMS INCURRED BY THE CONTRACTOR THROUGH HIS WORK IN THIS CONTRACT SHALL BE REPAIRED TO ORIGINAL CONDITION BY THE CONTRACTOR AT HIS OWN EXPENSE.
- CONTRACTOR TO BE RESPONSIBLE FOR CONSTRUCTION PERMITS, PERMIT FEES, LICENSES, ETC.
- ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN ON THE SURVEY. CONTACT THE LOCAL UTILITY LOCATION SERVICES PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.
- ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TONTOWN, STATE OF ARKANSAS, AND NATIONAL CODES AND ORDINANCES.
- AREAS NOTED AS "LAWN", AND ALL OTHER AREAS ON SITE WHICH ARE NOT OTHERWISE DESIGNATED AND ARE DAMAGED BY CONSTRUCTION, TO BE PLANTED WITH SOLID 500 TURF TYPE TALL FESCUE.
- ALL PLANTING BEDS THAT ABUT LAWN AREAS TO BE BORDERED BY STEEL EDGING, STANDARD 3/16" X 4" STEEL, PAINTED GREEN, WITH STAKES BY THE MANUFACTURER, EQUAL TO THAT SUPPLIED BY COL-MET, 3333 MILLER PARK SOUTH, GARLAND, TEXAS 75042, PHONE 972/494-3900, WWW.COLMET.COM.
- FINISH GRADE FOR SHRUB, GROUND COVER, AND LAWN AREAS SHALL BE HELD 1" BELOW TOP OF ADJACENT PAVEMENT AND CURBS UNLESS OTHERWISE NOTED ON DRAWINGS.
- CONTRACTOR TO FIELD STAKE LOCATIONS OF TREES FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO DELIVERY OF TREES.
- ALL TREES SHALL BE PLANTED AT LEAST 10' FROM A FIRE HYDRANT.
- ALL MEDIUM AND LARGE TREES SHALL BE PLANTED AT LEAST 20' FROM OVERHEAD UTILITY LINES.
- ALL TREES SHALL BE PLANTED AT LEAST 5' FROM UNDERGROUND UTILITIES.
- CONTRACTOR TO OUTLINE LIMITS OF PLANTING BEDS FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT OF TOPSOIL AND INSTALLATION OF PLANT MATERIAL.
- BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT HE HAS VISITED THE SITE AND BECOME FAMILIAR WITH THE CONDITIONS RELATED TO THE INSTALLATION OF SITE IMPROVEMENTS.
- BOULDERS TO BE NATIVE, WEATHERED, FIELD-COLLECTED STONES WITH NO SUBSTANTIAL SCARS AND SHALL HAVE SIGNIFICANT COVERAGE OF LICHENS AND/OR MOSS. DIMENSIONS OF BOULDERS SHALL RANGE FROM 5 TONS TO 2 TONS, WITH 50% OF THE BOULDERS BEING ONE TON OR OVER. BOULDERS TO BE PARTIALLY BURIED TO SIMULATE A NATURAL CONDITION. DEPTH OF BOULDERS TO BE BURIED TO AVERAGE 1/3 OF HEIGHT OR AS NEEDED TO SIMULATE A NATURAL CONDITION. LOCATION AND ORIENTATION OF BOULDERS TO BE APPROVED BY THE OWNER'S REPRESENTATIVE. PLACED BOULDERS TO BE PROTECTED FROM DAMAGE FROM CONSTRUCTION OPERATIONS.

PLANTING GUARANTEE AND MAINTENANCE:

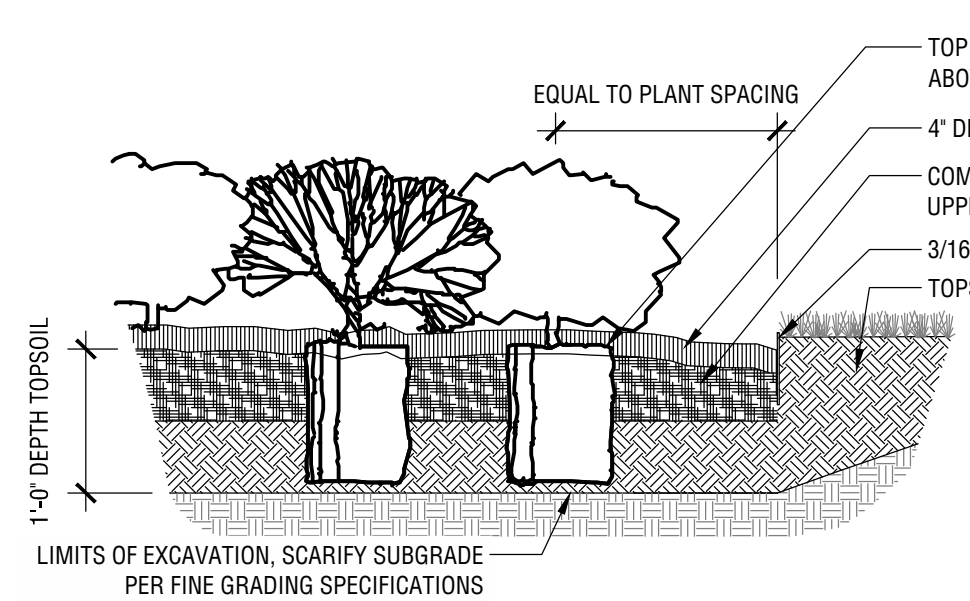
GUARANTEE FROM THE DEVELOPER THAT ALL PLANT MATERIALS WILL BE WARRANTED FOR A PERIOD OF THREE YEARS FROM THE TIME OF INSTALLATION. IF ANY MATERIAL SHOULD FAIL TO SURVIVE DURING THAT PERIOD, IT WOULD BE REPLACED DURING THE APPROPRIATE PLANTING SEASON.

LANDSCAPE INSTALLATION REQUIREMENTS. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES IN A MANNER DESIGNED TO ENCOURAGE VIGOROUS GROWTH. ALL PLANTS SHALL BE NURSERY GROWN AND ADAPTED TO THE LOCAL AREA. ALL LANDSCAPE MATERIAL, BOTH LIVING AND NON-LIVING, SHALL BE IN PLACE PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY. A TEMPORARY CERTIFICATE OF OCCUPANCY MAY BE ISSUED PRIOR TO INSTALLATION OF REQUIRED LANDSCAPING IF BINDING, WRITTEN ASSURANCES ARE SUBMITTED, INSURING THAT PLANTING WILL TAKE PLACE WHEN PLANTING SEASON ARRIVES

MAINTENANCE AND REPLACEMENT. TREES, SHRUBS, FENCES, WALLS, AND OTHER LANDSCAPE FEATURES (WHICH INCLUDES SCREENING) DEPICTED ON PLANS APPROVED BY THE CITY SHALL BE CONSIDERED AS ELEMENTS OF THE PROJECT IN THE SAME MANNER AS PARKING, BUILDING MATERIALS, AND OTHER DETAILS OF THE PLAN ARE CONSIDERED ELEMENTS. THE LANDOWNER OR SUCCESSORS IN INTEREST, OR AGENTS, IF ANY, SHALL BE JOINTLY AND SEVERALLY RESPONSIBLE FOR THE FOLLOWING:

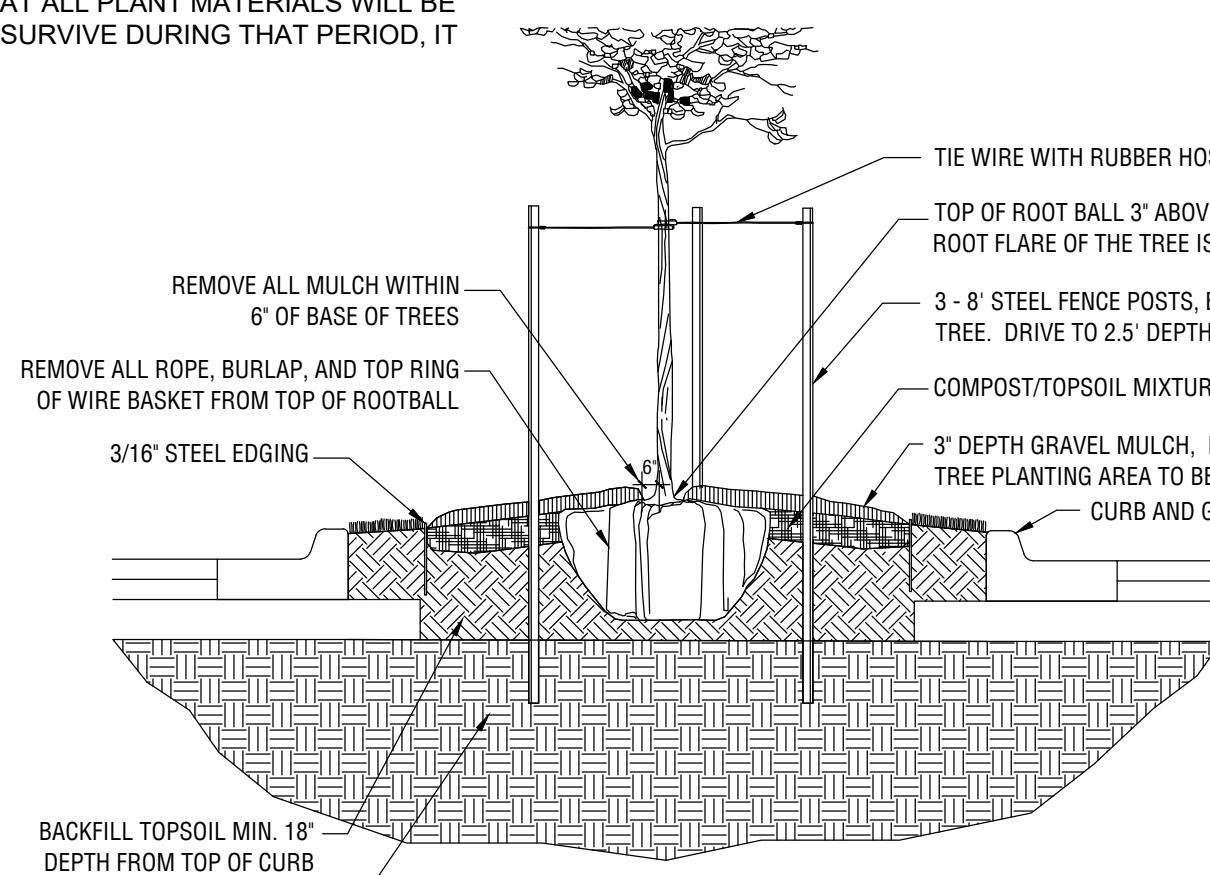
- REGULAR MAINTENANCE OF ALL LANDSCAPING IN GOOD CONDITION, AND IN A WAY THAT PRESENTS A HEALTHY, NEAT, AND ORDERLY APPEARANCE. ALL LANDSCAPING SHALL BE MAINTAINED FREE FROM DISEASE, PESTS, WEEDS, AND LITTER. THIS MAINTENANCE SHALL INCLUDE WEEDING, WATERING, FERTILIZING, PRUNING, MOWING, EDGING, MULCHING, OR OTHER MAINTENANCE, AS NEEDED AND IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES;
- THE REPAIR OR REPLACEMENT OF REQUIRED LANDSCAPE STRUCTURES (FOR EXAMPLE, FENCES AND WALLS) TO A STRUCTURALLY SOUND CONDITION;
- THE REGULAR MAINTENANCE, REPAIR, OR REPLACEMENT, WHERE NECESSARY, OF ANY LANDSCAPING REQUIRED BY THIS SECTION; AND
- CONTINUOUS MAINTENANCE OF THE SITE; THREE-YEAR GUARANTEE. GUARANTEE FROM THE DEVELOPER THAT ALL PLANT MATERIALS WILL BE WARRANTED FOR A PERIOD OF THREE YEARS FROM THE TIME OF INSTALLATION. IF ANY MATERIAL SHOULD FAIL TO SURVIVE DURING THAT PERIOD, IT WOULD BE REPLACED DURING THE APPROPRIATE PLANTING SEASON.

2 SHRUB PLANTING, TYPICAL
NOT TO SCALE



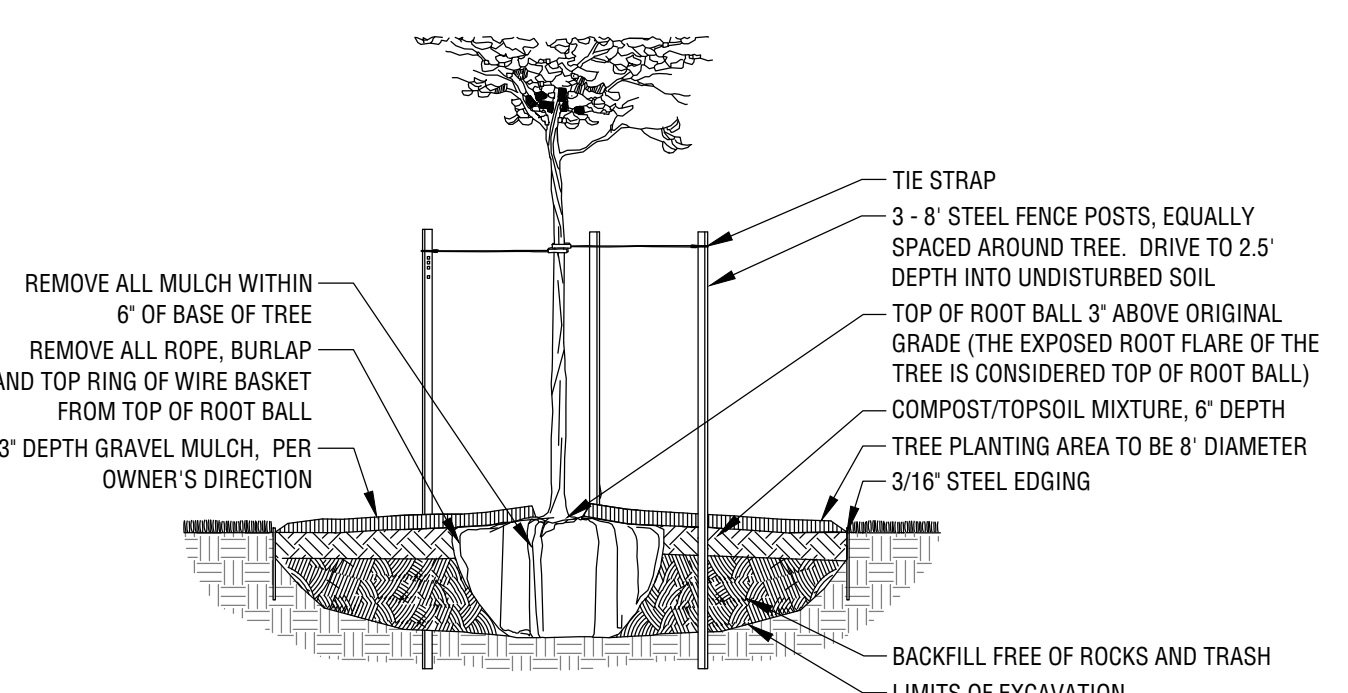
- NOTES
- EXCAVATED MATERIAL MAY BE USED FOR BACKFILL IF MATERIAL IS FRIABLE AND FREE OF ROCKS AND CLODS OVER 2" DIAMETER. PROVIDE ADDITIONAL TOPSOIL IF NEEDED FOR TOPSOIL/COMPOST MIX AT SURFACE.
 - COMPOST TO BE EQUAL TO BACK TO EARTH COMPOSTED COTTON BURS.
 - 2" LAYER OF COMPOST TO BE INCORPORATED INTO UPPER 6" OF BACKFILL BY APPROVED MEANS FOR ALL SHRUB PLANTING AREAS.
 - PLANTING BED GRAVEL MULCH, SIZE 3/4" - 2" LOCALLY AVAILABLE RIVER GRAVEL. SUBMIT SAMPLE FOR APPROVAL.

4 TREE PLANTING AT PARKING ISLAND
NOT TO SCALE



- NOTES
- EXCAVATED MATERIAL MAY BE USED FOR BACKFILL IF MATERIAL IS FRIABLE AND FREE OF ROCKS AND CLODS OVER 2" DIAMETER. PROVIDE ADDITIONAL TOPSOIL IF NEEDED FOR TOPSOIL/COMPOST MIX AT SURFACE.
 - AT ROOT FLAIR, MAIN ORDER ROOTS TO BE A MAXIMUM OF 1" BELOW TOP OF ROOT BALL SOIL SURFACE.
 - COMPOST TO BE EQUAL TO BACK TO EARTH COMPOSTED COTTON BURS.
 - COMPOST TO BE INCORPORATED INTO UPPER 6" OF BACKFILL BY APPROVED MEANS AT THE RATE OF 12 CUBIC FEET (6-2CF BAGS) FOR EACH TREE PLANTING AREA.
 - PLANTING BED GRAVEL MULCH, SIZE 3/4" - 2" LOCALLY AVAILABLE RIVER GRAVEL. SUBMIT SAMPLE FOR APPROVAL.

3 TREE PLANTING, TYPICAL
NOT TO SCALE



- NOTES
- EXCAVATED MATERIAL MAY BE USED FOR BACKFILL IF MATERIAL IS FRIABLE AND FREE OF ROCKS AND CLODS OVER 2" DIAMETER. PROVIDE ADDITIONAL TOPSOIL IF NEEDED FOR TOPSOIL/COMPOST MIX AT SURFACE.
 - AT ROOT FLAIR, MAIN ORDER ROOTS TO BE A MAXIMUM OF 1" BELOW TOP OF ROOT BALL SOIL SURFACE.
 - COMPOST TO BE EQUAL TO BACK TO EARTH COMPOSTED COTTON BURS.
 - COMPOST TO BE INCORPORATED INTO UPPER 6" OF BACKFILL BY APPROVED MEANS AT THE RATE OF 12 CUBIC FEET (6-2CF BAGS) FOR EACH TREE PLANTING AREA.
 - PLANTING BED GRAVEL MULCH, SIZE 3/4" - 2" LOCALLY AVAILABLE RIVER GRAVEL. SUBMIT SAMPLE FOR APPROVAL.



LANDSCAPE REQUIREMENTS

SITE FRONTAGE:
ONE STREET TREE FOR EVERY 50 LINEAR FEET OF FRONTAGE.
211' OF FRONTAGE = 4 STREET TREES REQUIRED
4 STREET TREES PROVIDED

FIVE SHRUBS/SMALL TREES PER 30 LINEAR FEET OF STREET FRONTAGE. A MINIMUM OF 50% OF SHRUBS/SMALL TREES SHALL BE EVERGREEN. PREFERENCE FOR GROUPING:
211' OF FRONTAGE = 35 SHRUBS/SMALL TREES REQUIRED
36 SHRUBS PROVIDED

BUILDING FRONT:
SHRUBS, PERENNIAL PLANTS, OR OTHER VEGETATION IN CURBED PLANTING BEDS OR RAISED PLANTERS TO SPAN A MINIMUM OF 25% OF THE BUILDING FRONTAGE. PLANTERS ARE ENCOURAGED TO BE ARRANGED TO CREATE OUTDOOR SEATING OPPORTUNITIES. AT LEAST ONE LARGE TREE OR TWO SMALL TREES PER UNIT/SUITE IS REQUIRED.

1 LARGE TREE PROVIDED
> 25% COVERAGE OF BUILDING FRONTAGE

PERIMETER BUFFER:
ONE LARGE TREE OR TWO SMALL TREES PER EVERY 50 FEET.
EAST PROPERTY LINE 291' = 6 LARGE OR 12 SMALL TREES REQUIRED
5 LARGE AND 2 SMALL TREES PROVIDED
NORTH PROPERTY LINE 207' = 4 LARGE OR 8 SMALL TREES REQUIRED
4 LARGE TREES PROVIDED
WEST PROPERTY LINE 291' = 6 LARGE OR 12 SMALL TREES
6 LARGE TREES PROVIDED

ADDITIONAL BUFFERING PROVIDED BY EVERGREENS AROUND DUMPSTER AREA AND EQUIPMENT
13 - 6' EVERGREEN SHRUBS/SMALL TREES

ANDERSON ENGINEERING
EMPLOYEE OWNED

ENGINEERS • SURVEYORS • LABORATORIES • DRILLING
5311 W. VILLAGE PARKWAY • ROGERS, ARKANSAS 72719 • PHONE (479) 286-8181
ANDERSON.COM 335 • HOLLY ROAD P.O. BOX 10640

05-06-2022
LEE MCKENNE
License # 9998
NATIONAL ASSOCIATION OF PROFESSIONAL LANDSCAPE ARCHITECTS
STATE OF ARKANSAS

DRAWING INFO	
FIELD BY:	KOW
DRAWN BY:	MRR
CHECK BY:	06-06-2022
DATE:	FIELD BOOK:
NO.	JOB NUMBER: 22R010013
REVISIONS	
NO.	DESCRIPTION

MAX ALLEY INVESTMENTS, LLC
MAX ALLEY CAR WASH
TONTOWN, ARKANSAS

LANDSCAPE PLAN

1256 & 1272 E HENRI DE TONTI BLVD

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