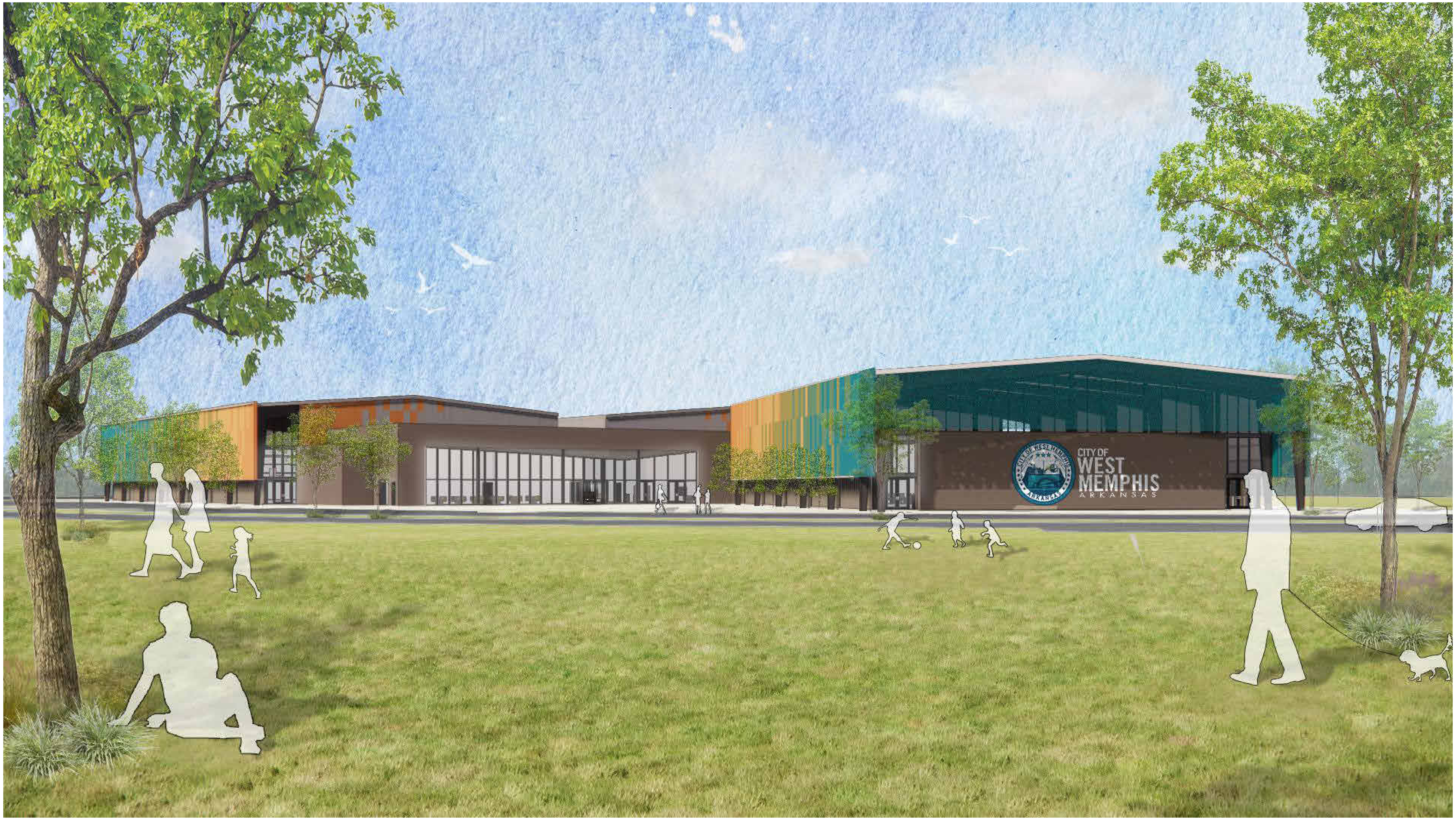
A.M.D.G.



CITY OF WEST MEMPHIS
RECREATION CENTER

ST HWY 191/I-40 SERV
West Memphis, AR 72301

CURRENT ISSUE: ISSUE FOR PERMIT
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DRAWING ISSUE

№.	DATE	DESCRIPTION
	2025-09-29	ISSUE FOR SCHEMATIC DESIGN
	2026-01-12	ISSUE FOD DESIGN DEVELOPMENT
	2026-03-06	ISSUE FOR SITE PERMIT
	2026-03-16	75% CONSTRUCTION DOCUMENT PROGRESS

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CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

COVER PAGE

SHEET NUMBER

G-000

A.M.D.G.

ABBREVIATIONS

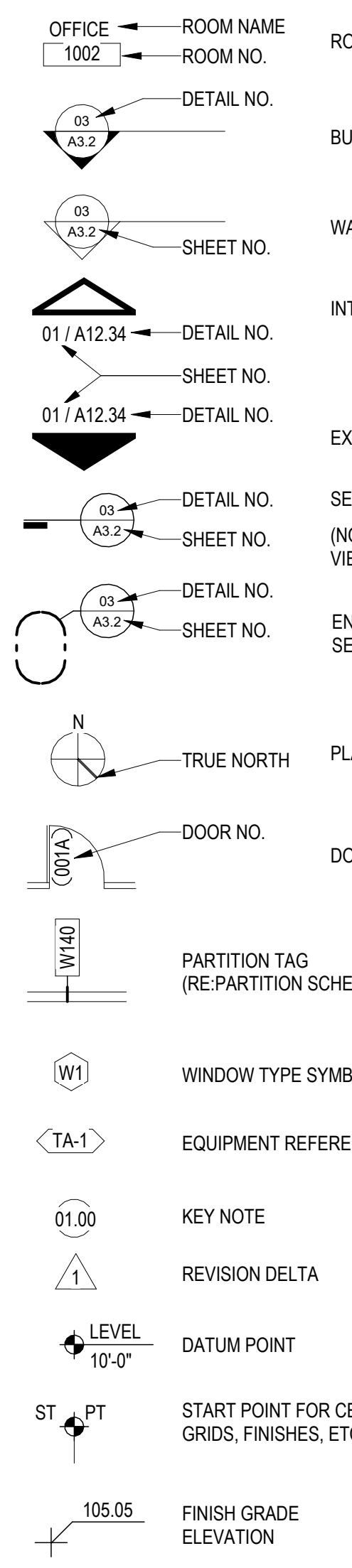
	@	AT
	&	AND
A	AB	ANCHOR BOLT
	AFF	ABOVE FINISHED FLOOR
	AHJ	AUTHORITY HAVING JURISDICTION
	ALUM	ALUMINUM
	ANOD	ANODIZED
	AFES	AUTOMATIC FIRE EXTINGUISHING SYSTEM
B	BD	BOARD
	BLDG	BUILDING
	BLKG	BLOCKING
C	CL	CENTER LINE
	CAB	CABINET
	CB	CATCH BASIN
	CER	CERAMIC
	CJ	CONTROL JOINT
	CLG	CEILING
	CLO	CLOSET
	CLR	CLEAR
	CO	CASED OPENING
	COL	COLUMN
	CONC	CONCRETE
	CONSTR	CONSTRUCTION
	CONT	CONTINUOUS
	CONTR	CONTRACTOR
D	DBL	DOUBLE
	DET	DETAIL
	DIA	DIAMETER
	DN	DOWN
	DS	DOWN SPOUT
	DWG	DRAWING
E	EA	EACH
	EDF	ELECTRIC DRINKING FOUNTAIN
	EL	ELEVATION
	ELEC	ELECTRICAL
	ELEV	ELEVATOR
	EQ	EQUAL
	EJ	EXPANSION JOINT
	EXT	EXTERIOR
F	FA	FIRE ALARM
	FD	FLOOR DRAIN
	FE	FIRE EXTINGUISHER W/ WALL BRACKET
	FEC	FIRE EXTINGUISHER CABINET
	FHC	FIRE HOSE CABINET
	FIN	FINISH
	FLR	FLOOR
	FOC	FACE OF CONCRETE
	FOM	FACE OF MASONRY
	FOS	FACE OF STUD
	FT	FEET
G	GA	GAUGE
	GALV	GALVANIZED
	GI	GALVANIZED IRON
	GL	GLASS
	GYP BD	GYPSUM BOARD
H	HC	HOLLOW CORE
	HM	HOLLOW METAL
	HORIZ	HORIZONTAL
	HNDRL	HAND RAIL
	HT	HEIGHT
	HW	HOT WATER
I	ID	INSIDE DIAMETER
	IN	INCH
	INSUL	INSULATION
K	KIT	KITCHEN
L	LAV	LAVATORY
	LB	POUND
M	MAX	MAXIMUM
	MB	MINI BLINDS
	MEMB	MEMBRANE
	MFR	MANUFACTURER
	MTL	METAL
N	NIC	NOT IN CONTRACT
	NTS	NOT TO SCALE
O	OC	ON CENTER
	OD	OUTSIDE DIAMETER
	OPH	OPPOSITE HAND
P	PL	PROPERTY LINE
	PLAM	PLASTIC LAMINATE
	PLAS	PLASTIC
	PLYWD	PLYWOOD
	PTD	PAINTED
	PTN	PARTITION
R	R	RADIUS
	RA	RETURN AIR
	RB	RESILIENT BASE
	RD	ROOF DRAIN
	REF	REFERENCE
	REQD	REQUIRED
	RO	ROUGH OPENING
S	SC	SOLID CORE
	STN	STAIN
	SST	STAINLESS STEEL
	STD	STANDARD
	STOR	STORAGE
	STRUCT	STRUCTURAL
T	TOC	TOP OF CURB
	TCH	TRASH CHUTE
	THK	THICK
	TOC	TOP OF CONCRETE
	TOP	TOP OF PARAPET
	TOS	TOP OF STEEL
	TOW	TOP OF WALL
	TYP	TYPICAL
U	UR	URINAL
	UNO	UNLESS NOTED OTHERWISE
V	VR	VAPOR RETARDER
	VERT	VERTICAL
	VIF	VERIFY IN FIELD
W	W/	WITH
	WC	WATER CLOSET
	WH	WATER HEATER
	WP	WATER PROOF
	WD	WOOD

GRAPHICS AND SYMBOLS

CONSTRUCTION TYPE SYMBOLS

- ▬ EXISTING CONSTRUCTION TO REMAIN
- ┅ EXISTING CONSTRUCTION TO BE DEMOLISHED
- ═ NEW NON-RATED CONSTRUCTION
- 🟥 NEW SMOKE RATED CONSTRUCTION (30 MIN)
- 🟥 NEW 1 HR. RATED CONSTRUCTION
- 🟥🟥 NEW 2 HR. RATED CONSTRUCTION
- 🟥🟥🟥 NEW 3 HR. RATED CONSTRUCTION
- ┅ PROPERTY LINE
- ┅ MATCH LINE

PLAN REFERENCE SYMBOLS



ROOM SYMBOL

BUILDING SECTION SYMBOL

WALL SECTION SYMBOL

INTERIOR ELEVATION SYMBOL

EXTERIOR ELEVATION SYMBOL

SECTION DETAIL SYMBOL
(NOTE: SHADED ARROW IDENTIFIES VIEW DIRECTION)

ENLARGED DETAIL SYMBOL SECTION OR PLAN

PLAN NORTH

DOOR TAG

PARTITION TAG (RE:PARTITION SCHEDULE)

WINDOW TYPE SYMBOL

EQUIPMENT REFERENCE

KEY NOTE

REVISION DELTA

DATUM POINT

START POINT FOR CEILING GRIDS, FINISHES, ETC.

FINISH GRADE ELEVATION

MATERIAL SYMBOLS - PLAN

- ▧ BRICK
- ▩ CONCRETE MASONRY UNIT
- ▇ CAST-IN-PLACE CONCRETE
- ░ PRECAST CONCRETE
- ░ STONE
- ░ GRAVEL
- ▤ COMPACTED EARTH FILL

MATERIAL SYMBOLS - DETAIL

- ▨ STEEL
- ▨ OTHER METALS
- ∞ BATT INSULATION
- ▦ RIGID INSULATION
- ░ GYPSUM BOARD
- ░ PLASTER ON LATHE
- ▧ PLYWOOD
- ▤ MDF BOARD
- ▨ FINISHED WOOD
- ≡ GLASS
- ▥ TILE
- ▥ CARPET
- ▥ ACOUSTICAL TILE
- ☒ CONTINUOUS WOOD BLOCKING
- ◺ WOOD SHIM
- ▩ GRAVEL
- ░ CONCRETE
- ░ SAND

SHEET INDEX

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JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
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West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

SHEET INDEX AND GENERAL INFO

SHEET NUMBER

G-002

FILE PATH: Autodesk Docs://City of West Memphis Recreation Center/WMR_BLDG A_RAC_ARCH.rvt
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PROJECT INFORMATION

SCOPE OF WORK:
NEW CONSTRUCTION OF A RECREATION CENTER WITH NATATORIUM, COURTS,CONCESSIONS, OFFICES AND RESTROOMS.

AUTHORITES HAVING JURISDICTION:
CITY OF WEST MEMPHIS BUILDING DEPARTMENT AND FIRE DEPARTMENT

APPLICABLE CODES:

BUILDING CODE:	2021 ARKANSAS FIRE PREVENTION CODE VOL II (BUILDING)
ENERGY CODE:	2014 ARKANSAS ENERGY CODE
MECHANICAL CODE:	2021 ARKANSAS MECHANICAL CODE
ELECTRICAL CODE:	2023 NATIONAL ELECTRICAL CODE
PLUMBING CODE:	2018 ARKANSAS PLUMBING CODE AND ARKANSAS GAS CODE
FIRE CODE:	2021 ARKANSAS FIRE PREVENTION CODE VOL 1 (FIRE)
ACCESSIBILITY:	2010 ADA STANDARDS

BUILDING ADDRESS:
ST HWY 191/I-40 SERV, West Memphis, AR 72301

BUILDING NUMBER:
1 OF 1

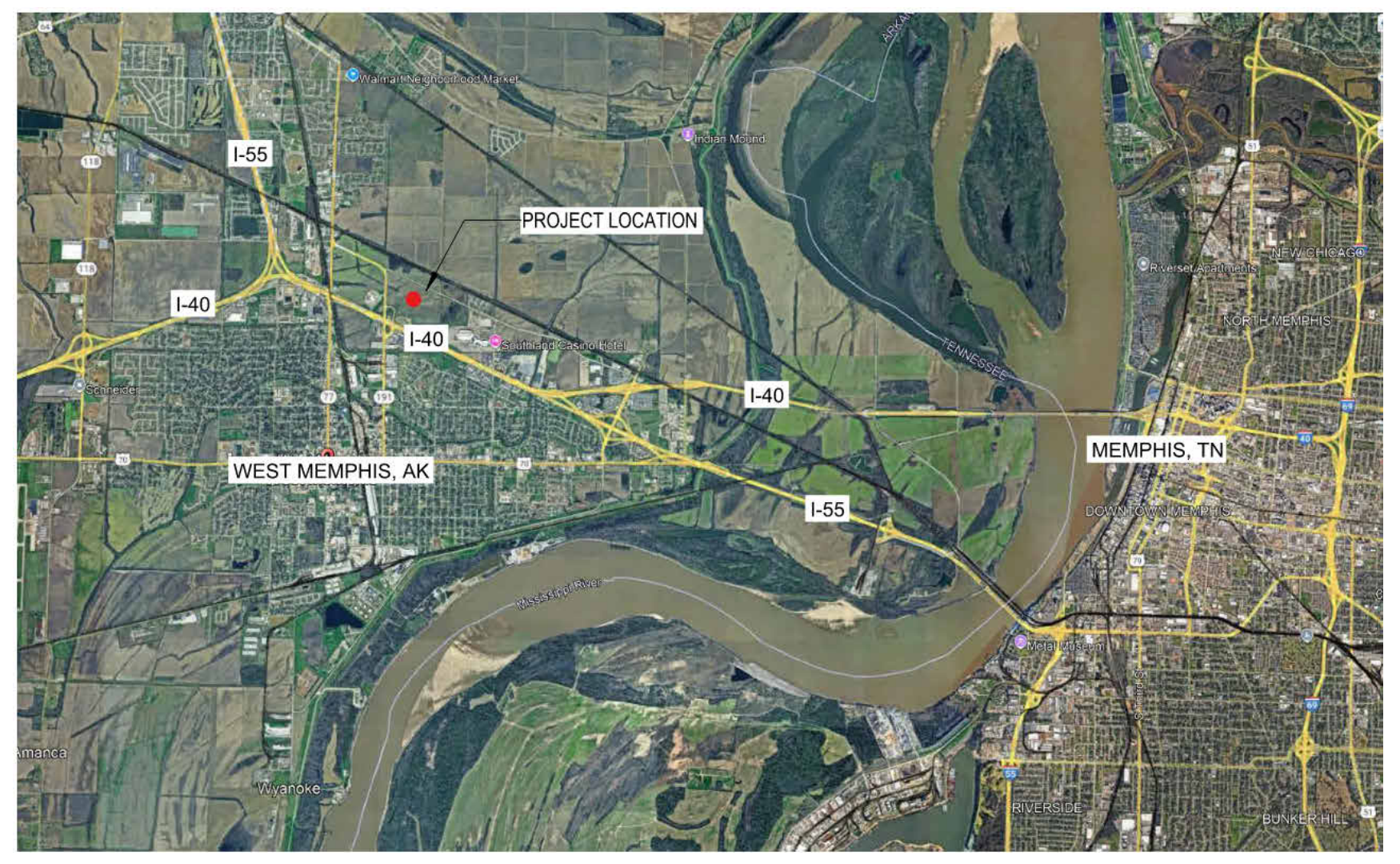
BUILDING HEIGHT:
37'-5 1/4"

NUMBER OF STORIES:
1 STORY

BUILDING AREA:

TYPE	AREA
CONDITIONED	83,108 SF
UNCONDITIONED	4,495 SF
TOTAL GROSS	87,603 SF

VICINITY MAP



BUILDING OCCUPANCY AND CONSTRUCTION

OCCUPANCY CLASSIFICATION (IBC SECTION 302):
NON-SEPARATED MIXED USE:
A-4 ASSEMBLY (PRIMARY USE)
A-2 ASSEMBLY
A-3 ASSEMBLY
B BUSINESS
S STORAGE

H-2 HAZARD

CONSTRUCTION TYPE (IBC TABLE 601):
TYPE II-B

ALLOWABLE HEIGHT/STORIES ABOVE GRADE PLANE (IBC TABLE 504.3 & 504.4)
HEIGHT: 75FT
STORIES : 1 (PER 507.4 RESTRICTIONS)

ALLOWABLE BUILDING AREA (IBC TABLE 506.2)
BASED ON THE MOST RESTRICTIVE USE FOR NON-SEPARATED MIX USE
AREA (SPRINKLERED): 38,000 SF
FRONTAGE INCREASE: N/A
TOTAL ALLOWABLE: UNLIMITED PER SEC 507.4

REQUIRED SEPARATION OF OCCUPANCIES (IBC TABLE 508.4)

OCCUPANCY TYPE	ADJACENT OCCUPANCY	REQUIRED SEPARATION (HOURS)
H-2	A,S-2	3
H-2	B	2

FIRE RESISTANCE REQUIREMENTS

FIRE RESISTANCE REQUIREMENTS FOR ALL BUILDING ELEMENTS (IBC TABLE 601)

BUILDING ELEMENT	FIRE RATING (HOURS)	UL ASSEMBLY
PRIMARY STRUCTURAL FRAME	0	N/A
BEARING WALLS		
EXTERIOR	0	N/A
INTERIOR	0	N/A
NON-BEARING WALLS & PARTITIONS INTERIOR	0	N/A
FLOOR CONSTRUCTION & ASSOCIATED SECONDARY STRUCTURAL MEMBERS	0	N/A
ROOF CONSTRUCTION & ASSOCIATED SECONDARY STRUCTURAL MEMBERS	0	N/A

FIRE PROTECTION (IBC SECTION 903, 906.1 & 907.2.1)
AUTOMATIC FIRE SPRINKLER SYSTEM: REQUIRED & PROVIDED, RE: SHEET XX.XXXX
PORTABLE FIRE EXTINGUISHER: REQUIRED & PROVIDED, RE: SHEET G-012
FIRE ALARM DETECTION SYSTEM:
MANUAL FIRE ALARM BOXES: NOT REQUIRED

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS (IBC TABLE 705.5)

FIRE SEPARATION (FEET)	FIRE RESISTANCE (HOURS)
X ≥ 30'	H OCC = 0 HR A,B,S-E OCC = 0 HR

MAXIMUM AREA OF EXTERIOR WALL OPENINGS (IBC TABLE 705.8)

FIRE SEPARATION (FEET)	DEGREE OF OPENING PROTECTION	ALLOWABLE PERCENT:
X ≥ 30'	UNPROTECTED, SPRINKLERED	NO LIMIT

CONCEALED SPACES (SECTION 718)
DRAFTSTOPPING NOT REQUIRED IN NON-COMBUSTIBLE CONSTRUCTION AND BUILDINGS EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM.
FIREBLOCKING (718.2)
CONCEALED WALL SPACES (718.2.2)
DRAFTSTOPPING IN FLOORS NOT REQUIRED (718.3)
DRAFTSTOPPING IN ATTICS NOT REQUIRED (718.4)

CORRIDOR FIRE-RESISTANCE RATING (TABLE 1020.2)

OCCUPANCY	OCCUPANCY LOAD SERVED BY CORRIDOR	REQUIRED FIRE RATING
A	> 30	WITH SPRINKLER = 0 HR

PLUMBING FIXTURE COUNTS - BUILDING

MINIMUM FIXTURES REQUIRED ARE CALCULATED BASED ON 50% MALE AND 50% FEMALE OCCUPANTS

ASSEMBLY
1,195 OCCUPANTS = 598 MALE, 598 FEMALE

STORAGE
5 OCCUPANTS = 3 MALE, 3 FEMALE

		WATER CLOSET		LAVATORIES				
CLASSIFICATION	DESCRIPTION	MALE	FEMALE	MALE	FEMALE	SHOWERS	DRINKING FOUNTAINS	SERVICE SINKS
ASSEMBLY CODE RQTS.	INDOOR SPORTING EVENTS	FIRST 1,500 = 1/75 REMAINDER = 1/120	FIRST 1,520 = 1/40 REMAINDER = 1/60	1/200	1/150	--	1/1,000	1
FIXTURES REQUIRED		7.97	14.95	2.99	3.99	--	1.20	1
STORAGE CODE REQTS.	CHEMICAL STORAGE ROOMS	1/100	1/100	1/100	1/100	--	1/1,000	1
FIXTURES REQUIRED		.03	.03	.03	.03	--	.01	1
TOTAL FIXTURES REQUIRED		8	15	4	5	--	2	2
TOTAL FIXTURES PROVIDED		15+2*	15	11+2*	11	--	4	2

NOTES:
* UNISEX RESTROOMS

PLUMBING FIXTURE COUNTS - POOL

ISPSC 2018 SECTION 609
MINIMUM FIXTURES REQUIRED ARE CALCULATED BASED ON 50% MALE AND 50% FEMALE OCCUPANTS

2,000 OCCUPANTS = 600 MALE, 600 FEMALE

	WATER CLOSET		URINAL	LAVATORIES		CLEANSING SHOWERS		RINSE SHOWERS	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FIXTURES REQUIRED	1**	3	1	1***	2	2	2	1	1
TOTAL FIXTURES PROVIDED *	--	--	--	--	--	3	3	1	1

NOTES:
* SEE SECTION ABOVE FOR TOTAL WATER CLOSETS AND LAVATORIES PROVIDED
** .7X(8,067/7,500)= .76 =1
*** .85X(8,067/7,500)= .92 =1

ENERGY CODE

CLIMATE ZONE:
3

INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS:

	CODE DESIGN REQUIREMENTS	PROPOSED DESIGN VALUES
WINDOWS	U-FACTOR: ≤ 0.50 SHGC: ≤ 0.30 VISIBLE LIGHT TRANSMISSION:	U-FACTOR: SHGC: VISIBLE LIGHT TRANSMISSION:
DOORS	U-FACTOR: ≤ 0.65	U-FACTOR:
OVERHEAD DOOR	U-FACTOR:	U-FACTOR:
WALL INSULATION	METAL BUILDING R-VALUE: R-13 + R-3 CONTINUOUS INSULATION OR EQUIVALENT	R-VALUE: X
ROOF INSULATION	METAL BUILDING R-VALUE: R-19 W/ R-5 THERMAL BLOCKS	R-VALUE: X

NOTE: R-VALUES LISTED ARE MINIMUMS, U-FACTORS LISTED ARE MAXIMUMS

SEAL

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ALEC A. LUONG
LICENSE #912494

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CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

№.	DATE	DESCRIPTION
	2026-01-12	ISSUE FOD DESIGN DEVELOPMENT
	2026-03-06	ISSUE FOR SITE PERMIT
	2026-03-16	75% CONSTRUCTION DOCUMENT PROGRESS

ARCHITECT

PROJECT LUONG

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TBAE REG. No. BR 4215
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CONSULTANT

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

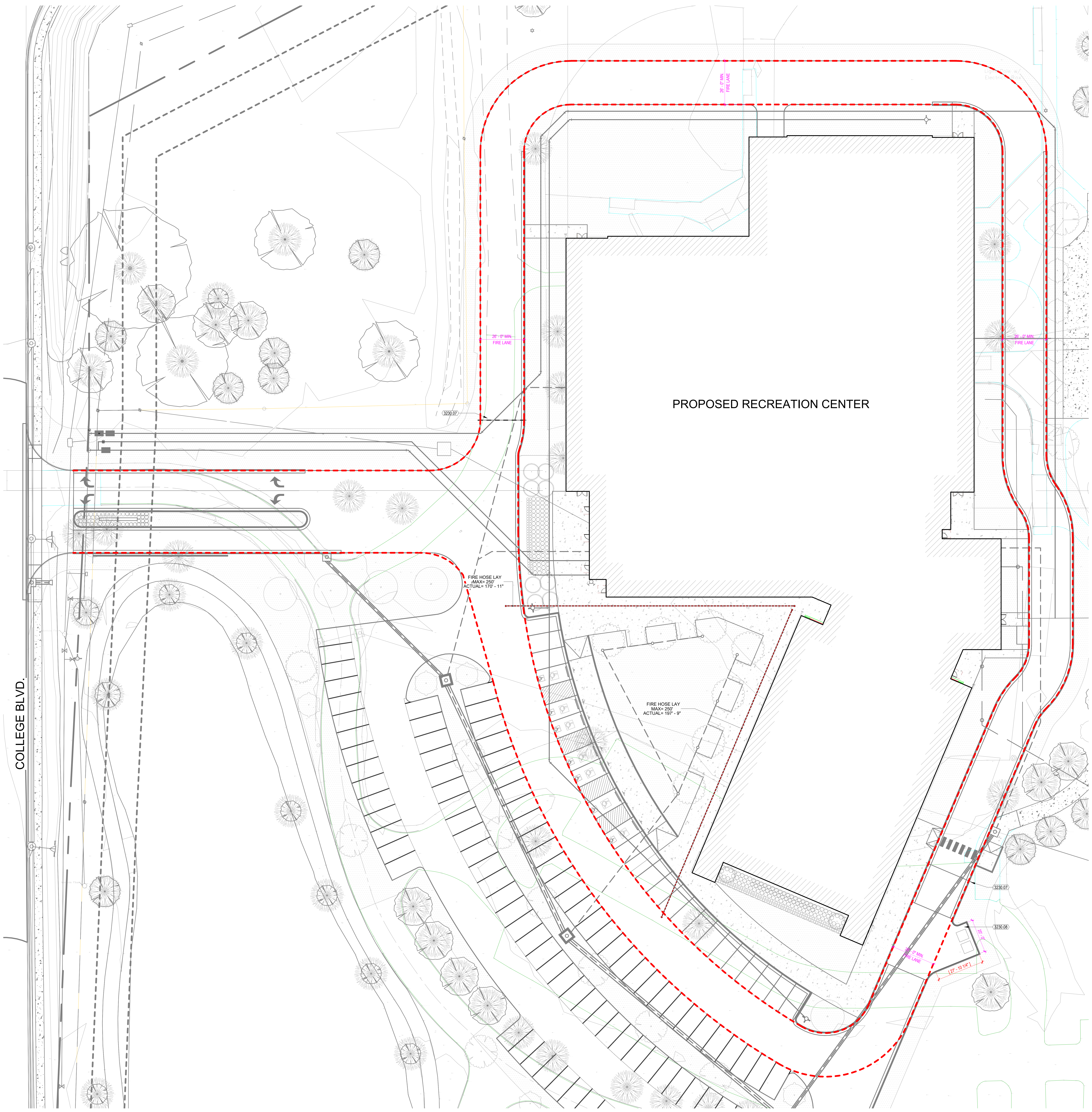
CODE ANALYSIS

SHEET NUMBER

G-010

FILE PATH: Autodesk Docs://City of West Memphis Recreation Center/WMR_BLDG A_RAC_ARCH.rvt
DATE PRINTED: 4/20/2026 8:59:51 AM

A.M.D.G.


PROPOSED RECREATION CENTER
COLLEGE BLVD.
26' - 0" MIN. FIRE LANE
26' - 0" MIN. FIRE LANE
26' - 0" MIN. FIRE LANE
26' - 0" MIN. FIRE LANE
3230.07
FIRE HOSE LAY MAX= 250' ACTUAL= 170' - 11"
FIRE HOSE LAY MAX= 250' ACTUAL= 197' - 9"
3230.07
3230.08
20' - 0"
[27' - 10 1/4"]

FIRE HOSE LAY | **1**
1" = 20'-0"

GENERAL NOTES - FIRE HOSE LAY

1. ANY DIMENSIONS INDICATED ON THIS PLAN ARE FOR LIFE SAFETY REVIEW ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES OR SIZES.
2. FIRE ACCESS ROADS TO MEET ALL APPLICABLE REQUIREMENTS OF APPENDIX D OF THE INTERNATIONAL FIRE CODE.
3. REFER TO CIVIL DRAWINGS FOR LOCATIONS OF EXISTING AND PROPOSED FIRE HYDRANTS.

LEGEND - FIRE HOSE LAY

🟥 🟥 🟥 🟥 🟥 🟥 🟥 🟥	FIRE LANE
START ●- - - - - - - -● END	FIRE HOSE LAY DISTANCE MAX = _______ ACTUAL= ______
	*(S) SPRINKLED

KEYNOTES

NOTE: KEYNOTE NUMBERING IS FOR ORGANIZATIONAL PURPOSES ONLY AND NOT INTENDED TO REFERENCE A SPECIFIC CSI DIVISION

NUMBER	DESCRIPTION
3230.07	EMERGENCY BREAKAWAY GATE RE: LANDSCAPE
3230.08	ASPHALT DUMPSTER PAD

SEAL

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CONSULTANT

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

FIRE ACCESS PLAN

SHEET NUMBER

G-011

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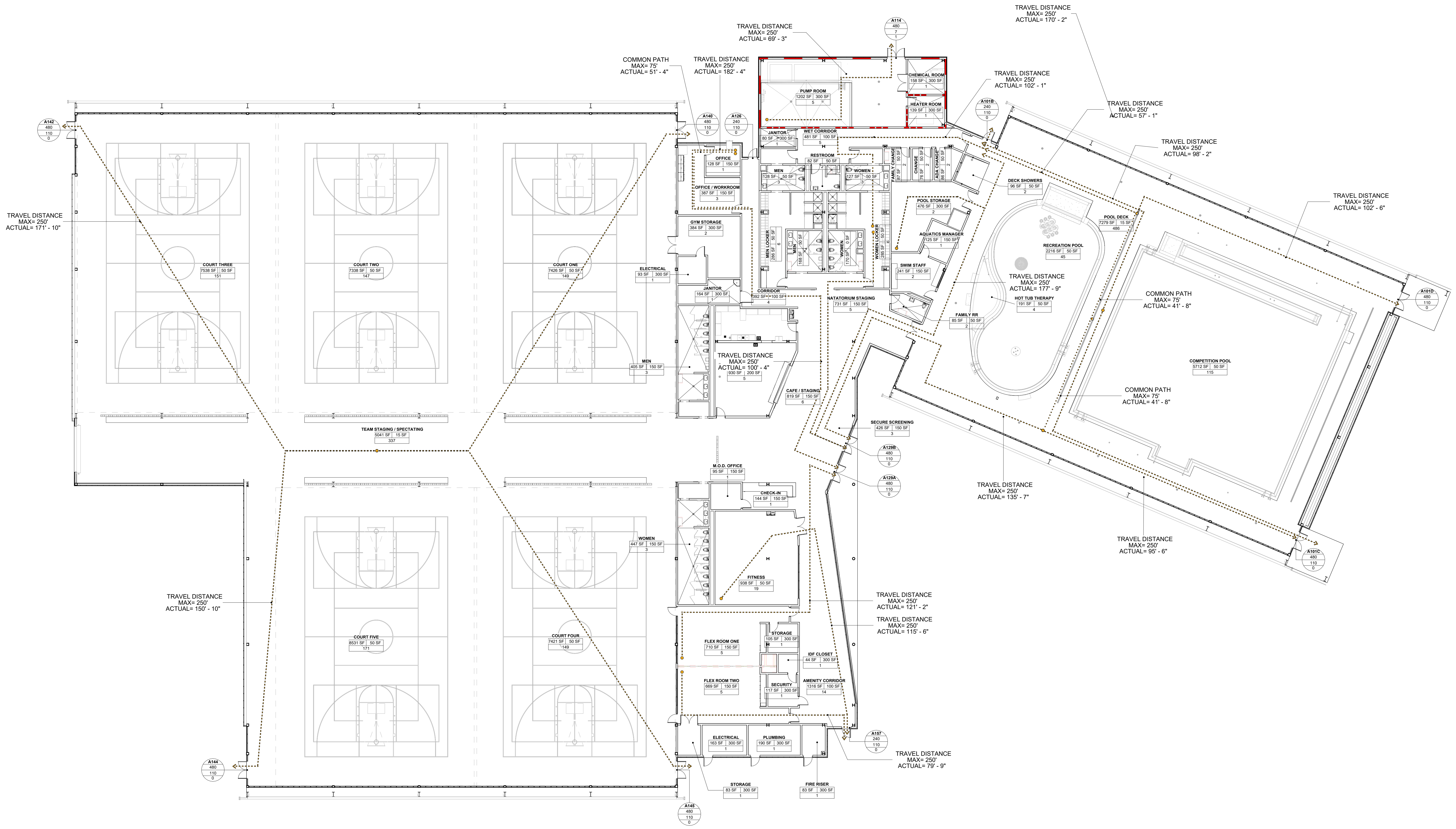
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 171' - 10"
COMMON PATH
MAX= 75'
ACTUAL= 51' - 4"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 182' - 4"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 69' - 3"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 170' - 2"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 102' - 1"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 57' - 1"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 98' - 2"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 102' - 6"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 177' - 9"
COMMON PATH
MAX= 75'
ACTUAL= 41' - 8"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 100' - 4"
COMMON PATH
MAX= 75'
ACTUAL= 41' - 8"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 135' - 7"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 95' - 6"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 150' - 10"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 121' - 2"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 115' - 6"
TRAVEL DISTANCE
MAX= 250'
ACTUAL= 79' - 9"
A114 480 7 1
A140 480 110 0
A126 240 110 0
A101B 240 110 0
A101D
A101C
A142
A144
A145
A129B
A129A
A137
PUMP ROOM 1202 SF 300 SF 5
CHEMICAL ROOM 158 SF 300 SF 1
HEATER ROOM 139 SF 300 SF 1
JANITOR 80 SF 300 SF 1
WET CORRIDOR 481 SF 100 SF 5
RESTROOM 82 SF 50 SF 2
OFFICE 128 SF 150 SF 1
OFFICE / WORKROOM 387 SF 150 SF 3
GYM STORAGE 384 SF 300 SF 2
ELECTRICAL 93 SF 300 SF 1
JANITOR 164 SF 300 SF
CORRIDOR
DECK SHOWERS 96 SF 50 SF 2
POOL STORAGE 476 SF 300 SF 2
AQUATICS MANAGER 125 SF 150 SF 1
SWIM STAFF 241 SF 150 SF 2
POOL DECK 7279 SF 15 SF 486
RECREATION POOL 2216 SF 50 SF 45
HOT TUB THERAPY
NATATORIUM STAGING 731 SF 150 SF
FAMILY RR
COMPETITION POOL 5712 SF 50 SF 115
COURT THREE 7538 SF 50 SF 151
COURT TWO 7338 SF 50 SF 147
COURT ONE 7426 SF 50 SF 149
TEAM STAGING / SPECTATING 5041 SF 15 SF 337
COURT FIVE 8531 SF 50 SF 171
COURT FOUR 7421 SF 50 SF 149
MEN 405 SF 150 SF 3
WOMEN 447 SF 150 SF 3
CAFE / STAGING 819 SF 150 SF
SECURE SCREENING 426 SF 150 SF 3
M.O.D. OFFICE 95 SF 150 SF
CHECK-IN 144 SF 150 SF
FITNESS 938 SF 50 SF 19
FLEX ROOM ONE 710 SF 150 SF 5
FLEX ROOM TWO 669 SF 150 SF 5
STORAGE
IDF CLOSET 44 SF 300 SF
SECURITY 117 SF 300 SF
AMENITY CORRIDOR 1316 SF 100 SF 14
ELECTRICAL 163 SF 300 SF 1
PLUMBING 190 SF 300 SF 1
STORAGE 83 SF 300 SF 1
FIRE RISER 83 SF 300 SF

LEVEL 01 - LIFE SAFETY 1
1/16" = 1'-0"

MEANS OF EGRESS REQUIREMENTS

MEANS OF EGRESS SIZING (IBC SECTION 1005)

EXIT WIDTH REQUIRED FOR OTHER EGRESS COMPONENTS: 1,200 X .15 = 180"
TOTAL EGRESS DOOR WIDTH PROVIDED: (2) 3' DOORS AND (8) 6' DOUBLE DOORS = 648"

NOTES:

1. EGRESS REQUIREMENTS SHALL NOT BE LESS THAN REQUIRED BY 2021 ARKANSAS FIRE PREVENTION CODE VOL II AND ELSEWHERE AS REQUIRED BY APPLICABLE CODE. INCLUDING THE AMERICANS WITH DISABILITIES ACT (ADA). IN THE EVENT OF DISCREPANCIES BETWEEN CODES, COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT IN ALL CASES.
2. MEANS OF EGRESS DOORS SHALL MEET THE REQUIREMENTS OF THE 2021 ARKANSAS FIRE PREVENTION CODE VOL II SECTION 1005 AND ADA SECTION 404. DOORS PROVIDED FOR EGRESS PURPOSES IN NUMBERS GREATER THAN REQUIRED BY CODE SHALL ALSO MEET THE REQUIREMENTS OF THESE SECTIONS.
3. PROJECTIONS INTO THE REQUIRED EGRESS CLEAR OPENING WIDTH, INCLUDING HANDRAILS, SHALL COMPLY WITH THE 2021 ARKANSAS FIRE PREVENTION CODE VOL II SECTION 1005.7 AND ADA SECTION 307 NOT TO EXCEED 4" BETWEEN 27" AND 80" ABOVE THE FLOOR OR GROUND.

COMMON PATH OF EGRESS TRAVEL DISTANCE (IBC TABLE 1006.2.1)

OCCUPANCY TYPE	MAX OCC LOAD OF SPACE:	MAX COMMON PATH OF EGREES TRAVEL DISTANCE
A	49	WITH SPRINKLER SYSTEM = 75'
H-2	3	WITH SPRINKLER SYSTEM = 25'

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY (IBC TABLE 1006.3.3)
NUMBER OF EXITS REQUIRED: 4
NUMBER OF EXITS PROVIDED:

EXIT ACCESS TRAVEL DISTANCE (IBC TABLE 1017.2)
OCCUPANCY TYPE A WITH SPRINKLER SYSTEM = 250' MAX

DEAD END CORRIDOR (SECTION 1020.5)
20FT

GENERAL NOTES - LIFE SAFETY

1. ANY DOORS SHOWN IN RATED ASSEMBLIES SHALL ALSO BE RATED AS REQUIRED BY CODE. REFERENCE DOOR SCHEDULE.
2. ANY SIZES INDICATED ON THIS PLAN ARE FOR LIFE SAFETY REVIEW ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES OR SIZES.
3. ALL LIFE SAFETY DEVICES SHOWN ARE REQUIRED, BUT PRODUCT TYPES, DETAILS, MEANS, AND METHODS MUST BE FULLY COORDINATED BY THE CONTRACTOR.
4. MINIMUM SETBACKS SHOWN FOR REFERENCE ONLY IN THESE DRAWINGS.
5. DO NOT SCALE DIMENSIONS FROM DRAWINGS, ANY UNKNOWN DIMENSIONS SHALL BE OBTAINED FROM DESIGN PROFESSIONALS.
6. ROOM AND DOOR NUMBERS ARE FOR CONSTRUCTION & DESIGN COORDINATION. FINAL ROOM NAMES AND NUMBERS SHALL BE CONFIRMED PRIOR TO FABRICATION OF SIGNAGE.
7. FURNITURE SHOWN IS BY OTHERS AND IS FOR PLANNING PURPOSES ONLY.
8. FIRE EXTINGUISHERS SHALL BE INSTALLED PER NFPA 10.
9. REFER TO MECHANICAL DRAWINGS FOR SMOKE AND/OR FIRE DAMPER LOCATIONS.
10. REFER TO ELECTRICAL DRAWINGS SMOKE DETECTOR LOCATIONS.
11. EXIT SIGN LOCATIONS/QUANTITIES INDICATED ARE APPROXIMATE AND ADDITIONAL SIGNS MAY BE REQUIRED BY THE AUTHORITY HAVING JURISDICTION. CONFIRM FINAL LOCATIONS WITH THE AHJ PRIOR TO INSTALLATION AND PROVIDE ANY ADDITIONAL EXIT SIGNS AS REQUIRED BY THE AHJ.

LEGEND - LIFE SAFETY

START EXIT
TRAVEL DISTANCE
MAX = _______
ACTUAL= ______
*(S) SPRINKLED

COMMON PATH
MAX = ____
ACTUAL= _____

FEC
FE: WALL MOUNTED FIRE EXTINGUISHER
FEC: FIRE EXTINGUISHER CABINET
75' RADIUS SHOWN

⊗ EXIT SIGN

.5 HOUR RATED WALL

1 HOUR RATED WALL

2 HOUR RATED WALL

3 HOUR RATED WALL

ROOM NAME
5,000 SF | 50 SF
100
OCCUPANCY LOAD FACTOR
OCCUPANCY LOAD
ROOM AREA

100
180
50
1 HR
DOOR NUMBER
MAX EGRESS CAPACITY
ACTUAL EGRESS LOAD
DOOR FIRE RATING

KEYNOTES

NOTE: KEYNOTE NUMBERING IS FOR ORGANIZATIONAL PURPOSES ONLY AND NOT INTENDED TO REFERENCE A SPECIFIC CSI DIVISION

NUMBER	DESCRIPTION

OCCUPANY LOADS (IBC TABLE 1004.5)

ROOM DATA			OCCUPANCY LOADS		
RM #	NAME	AREA	OCC. TYPE	O.L.F.	O.L.
A137	CONCESSION	930 SF	A-2	200 SF	5
A-2		930 SF			5
A134	FITNESS	938 SF	A-3	50 SF	19
A-3		938 SF			19
A100	COMPETITION POOL	5,712 SF	A-4	50 SF	115
A101	POOL DECK	7,279 SF	A-4	15 SF	486
A102	RECREATION POOL	2,216 SF	A-4	50 SF	45
A103	HOT TUB THERAPY	191 SF	A-4	50 SF	4
A125	WOMEN	170 SF	A-4	0 SF	
A140	COURT ONE	7,426 SF	A-4	50 SF	149
A141	COURT TWO	7,338 SF	A-4	50 SF	147
A142	COURT THREE	7,538 SF	A-4	50 SF	151
A144	COURT FIVE	8,531 SF	A-4	50 SF	171
A145	COURT FOUR	7,421 SF	A-4	50 SF	149
A146	TEAM STAGING / SPECTATING	5,041 SF	A-4	15 SF	337
A-4		58,862 SF			1,754
A104	SWIM STAFF	241 SF	B	150 SF	2
A105	AQUATICS MANAGER	125 SF	B	150 SF	1
A107	DECK SHOWERS	96 SF	B	50 SF	2
A108	ADA CHANGE	86 SF	B	50 SF	2
A109	CHANGE	76 SF	B	50 SF	2
A110	FAMILY CHANGE	87 SF	B	50 SF	2
A111	WOMEN SHOWER	142 SF	B	50 SF	3
A112	WOMEN LOCKER	285 SF	B	50 SF	6
A113	FAMILY RR	85 SF	B	50 SF	2
A115	WET CORRIDOR	481 SF	B	100 SF	5
A117	VESTIBULE	57 SF	B	100 SF	1
A118	VESTIBULE	62 SF	B	100 SF	1
A119	WOMEN	127 SF	B	50 SF	3
A120	RESTROOM	82 SF	B	50 SF	2
A121	MEN	128 SF	B	50 SF	3
A122	MEN SHOWER	140 SF	B	50 SF	3
A123	MEN LOCKER	286 SF	B	50 SF	6
A124	MEN	168 SF	B	50 SF	4
A126	CORRIDOR	392 SF	B	100 SF	4
A127	NATATORIUM STAGING	731 SF	B	150 SF	5
A129	SECURE SCREENING	426 SF	B	150 SF	3
A132	FLEX ROOM TWO	669 SF	B	150 SF	5
A133	FLEX ROOM ONE	710 SF	B	150 SF	5
A135	ENTRY / STAGING	906 SF	B	150 SF	7
A136	CHECK-IN	144 SF	B	150 SF	1
A138	OFFICE / WORKROOM	387 SF	B	150 SF	3
A139	OFFICE	128 SF	B	150 SF	1
A153	WOMEN	447 SF	B	150 SF	3
A154	MEN	405 SF	B	150 SF	3
A156	M.O.D. OFFICE	95 SF	B	150 SF	1
A157	AMENITY CORRIDOR	1,316 SF	B	100 SF	14
A158	CAFE / STAGING	819 SF	B	150 SF	6
B		10,329 SF			111
A114	PUMP ROOM	1,202 SF	H-2	300 SF	5
A151	CHEMICAL ROOM	158 SF	H-2	300 SF	1
H-2		1,360 SF			6
A106	POOL STORAGE	476 SF	S-2	300 SF	2
A116	HEATER ROOM	139 SF	S-2	300 SF	1
A128	JANITOR	164 SF	S-2	300 SF	1
A130	PLUMBING	190 SF	S-2	300 SF	1
A131	STORAGE	83 SF	S-2	300 SF	1
A148	ELECTRICAL	93 SF	S-2	300 SF	1
A149	GYM STORAGE	384 SF	S-2	300 SF	2
A150	SECURITY	117 SF	S-2	300 SF	1
A152	STORAGE	105 SF	S-2	300 SF	1
A155	FIRE RISER	83 SF	S-2	300 SF	1
A159	JANITOR	80 SF	S-2	300 SF	1
A160	ELECTRICAL	163 SF	S-2	300 SF	1
A161	IDF CLOSET	44 SF	S-2	300 SF	1
S-2		2,122 SF			15
		74,540 SF			1,910

CALCULATION NOTES

1. BUILDING OCCUPANT LOAD SHALL BE LIMITED TO 1,200 OCCUPANTS.
2. OCCUPANCY TYPES B, S-2, A-2, A-3 DO NOT EXCEED 10% OF FLOOR AREA AND SERVICE THE PRIMARY A-4 OCCUPANCY, THEREFORE CLASSIFYING THEM AS ACCESSORY OCCUPANCIES PER IBC SECTION 508.2.
3. 'N/A' OCCUPANCY CATEGORY - NOT REGULARLY OCCUPIED SPACES.

SEAL

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West Memphis, AR 72301

JOB No.: WESCIT00561

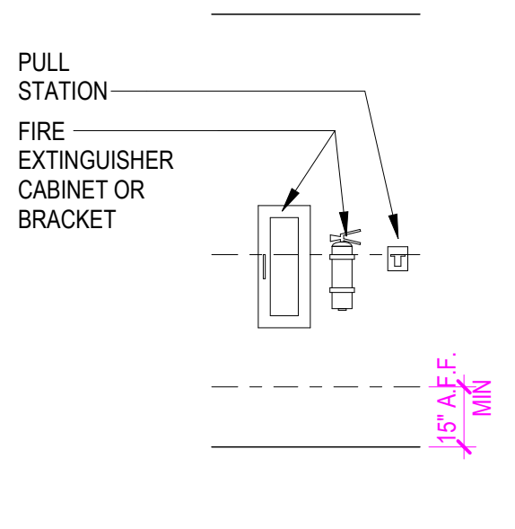
SHEET TITLE

LIFE SAFETY PLAN

SHEET NUMBER

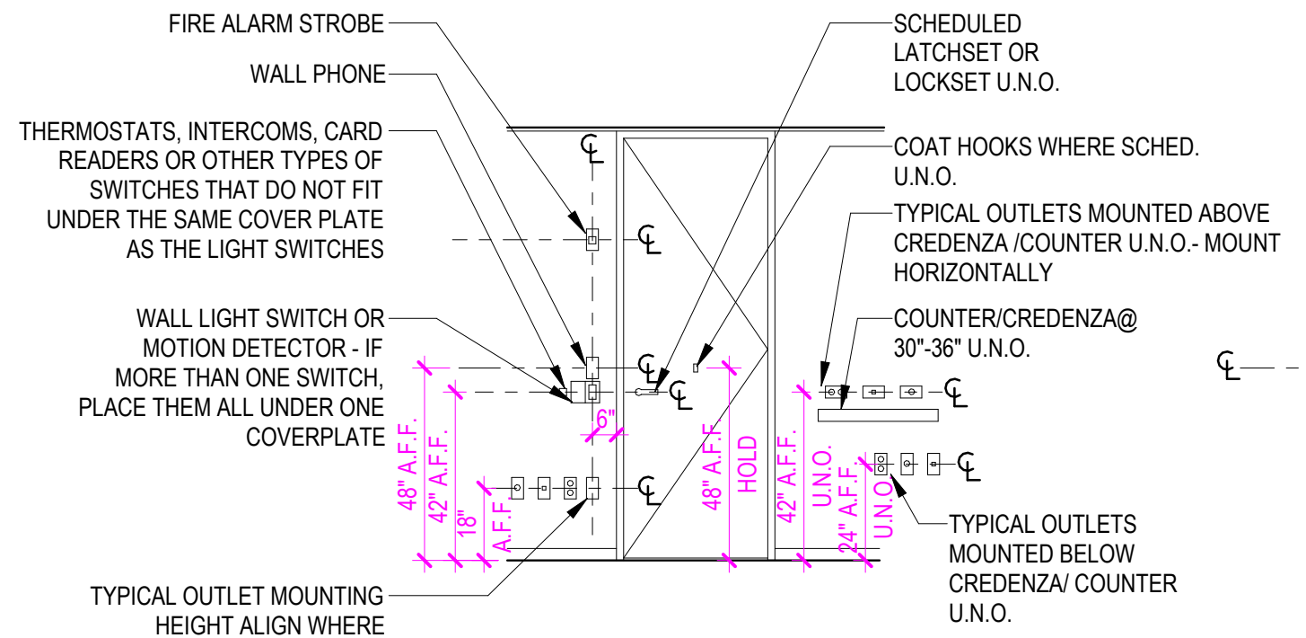
G-012

A.M.D.G.


PULL STATION
FIRE EXTINGUISHER CABINET OR BRACKET
15" A.F.F. MIN

NOTE: FIRE EXTINGUISHER CANNOT PROTRUDE MORE THAN 4"

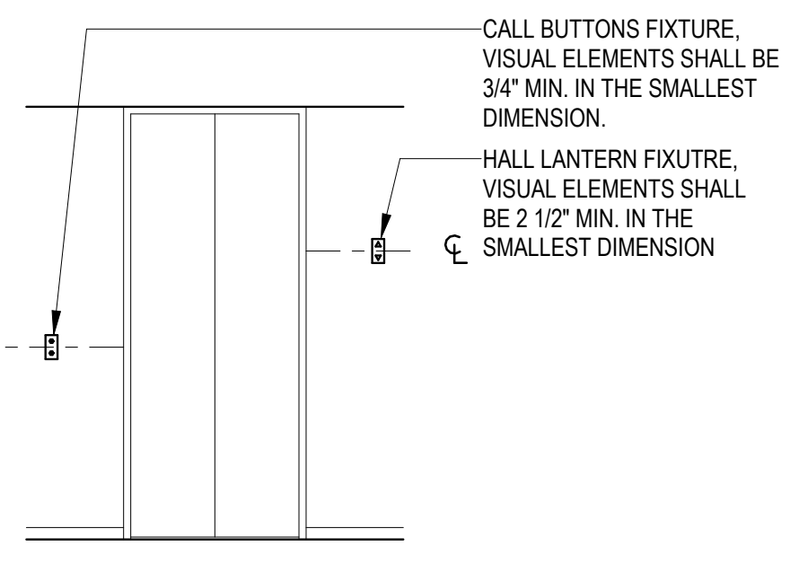
FIRE PROTECTION


FIRE ALARM STROBE
WALL PHONE
THERMOSTATS, INTERCOMS, CARD READERS OR OTHER TYPES OF SWITCHES THAT DO NOT FIT UNDER THE SAME COVER PLATE AS THE LIGHT SWITCHES
WALL LIGHT SWITCH OR MOTION DETECTOR - IF MORE THAN ONE SWITCH, PLACE THEM ALL UNDER ONE COVERPLATE
TYPICAL OUTLET MOUNTING HEIGHT ALIGN WHERE SCHEDULED DATA/ VOICE OUTLET OCCUR
SCHEDULED LATCHSET OR LOCKSET U.N.O.
COAT HOOKS WHERE SCHED. U.N.O.
TYPICAL OUTLETS MOUNTED ABOVE CREDENZA /COUNTER U.N.O.- MOUNT HORIZONTALLY
COUNTER/CREDENZA@ 30"-36" U.N.O.
TYPICAL OUTLETS MOUNTED BELOW CREDENZA/ COUNTER U.N.O.
48" A.F.F.
42" A.F.F.
18" A.F.F.
6"
48" A.F.F. HOLD
42" A.F.F. U.N.O.
24" A.F.F. U.N.O.

ELECTRICAL, VOICE, AND DATA WALL OUTLETS SHALL BE GANGED TOGETHER AS TIGHT AS POSSIBLE AS PER CODE RESTRICTIONS.

MOUNTING HEIGHTS, LOCATIONS AND ALIGNMENT OF ALL DEVICES SHALL BE PER THIS DRAWING UNO.

TYPICAL

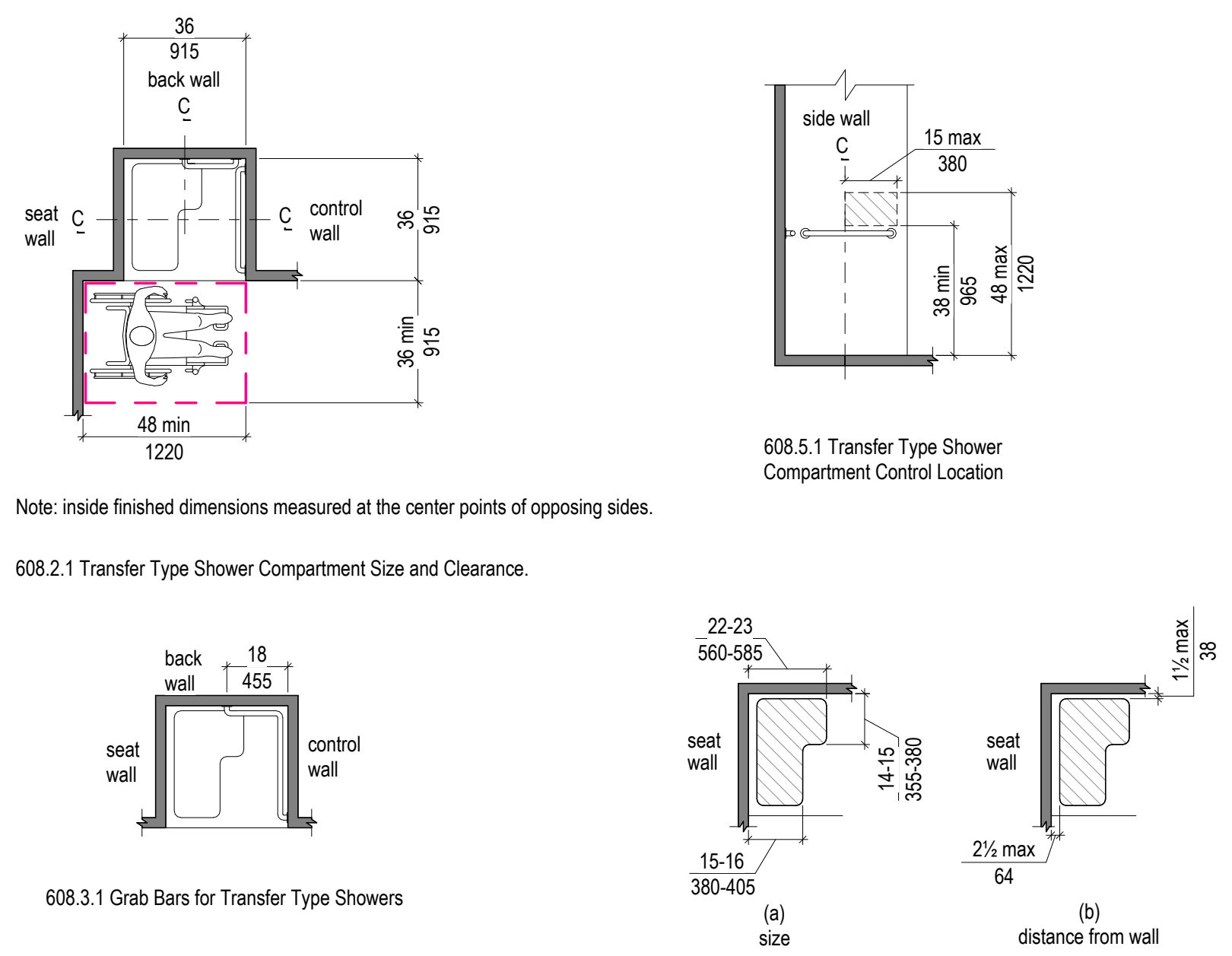

CALL BUTTONS FIXTURE, VISUAL ELEMENTS SHALL BE 3/4" MIN. IN THE SMALLEST DIMENSION.
HALL LANTERN FIXUTRE, VISUAL ELEMENTS SHALL BE 2 1/2" MIN. IN THE SMALLEST DIMENSION

ELEVATOR

Graphic Convention for Figures

Convention	Description
36 / 915	dimension showing English units (in inches unless otherwise specified) above the line and SI units (in millimeters unless otherwise specified) below the line
6 / 150	dimension for small measurements
33-36 / 840-915	dimension showing a range with minimum - maximum
min	minimum
max	maximum
>	greater than
≥	greater than or equal to
<	less than
≤	less than or equal to
— — —	boundary of clear floor space or maneuvering clearance
— - — C	centerline
——	a permitted element or its extension
⇨	direction of travel or approach
▬	a wall, floor, ceiling or other element cut in section or plan
▨	a highlighted element in elevation or plan
▨	location zone of element, control or feature

TYPICAL INSTALLATION HEIGHTS


36
915
back wall
seat wall
control wall
36
915
36 min
915
48 min
1220
side wall
15 max
380
38 min
965
48 max
1220
back wall
18
455
seat wall
control wall
22-23
560-585
14-15
355-380
15-16
380-405
(a)
size
1½ max
38
2½ max
64
(b)
distance from wall

Note: inside finished dimensions measured at the center points of opposing sides.

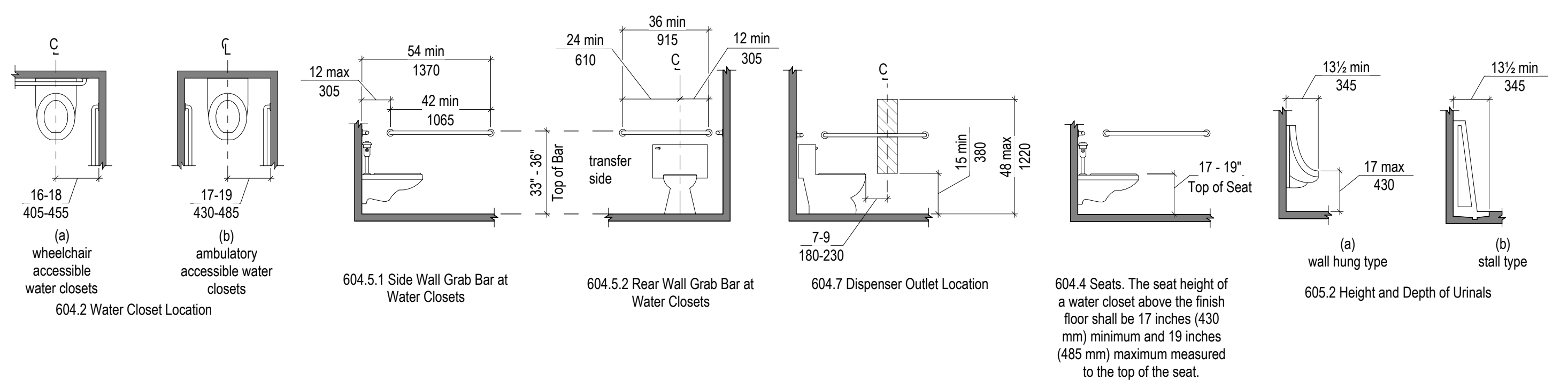
608.2.1 Transfer Type Shower Compartment Size and Clearance.

608.5.1 Transfer Type Shower Compartment Control Location

608.3.1 Grab Bars for Transfer Type Showers

610.3.2 L-Shaped Shower Seat

608 Showers


16-18
405-455
(a)
wheelchair accessible water closets
17-19
430-485
(b)
ambulatory accessible water closets
12 max
305
54 min
1370
42 min
1065
33" - 36" Top of Bar
24 min
610
36 min
915
12 min
305
transfer side
15 min
380
48 max
1220
7-9
180-230
17 - 19" Top of Seat
13½ min
345
17 max
430
(a)
wall hung type
(b)
stall type

604.2 Water Closet Location

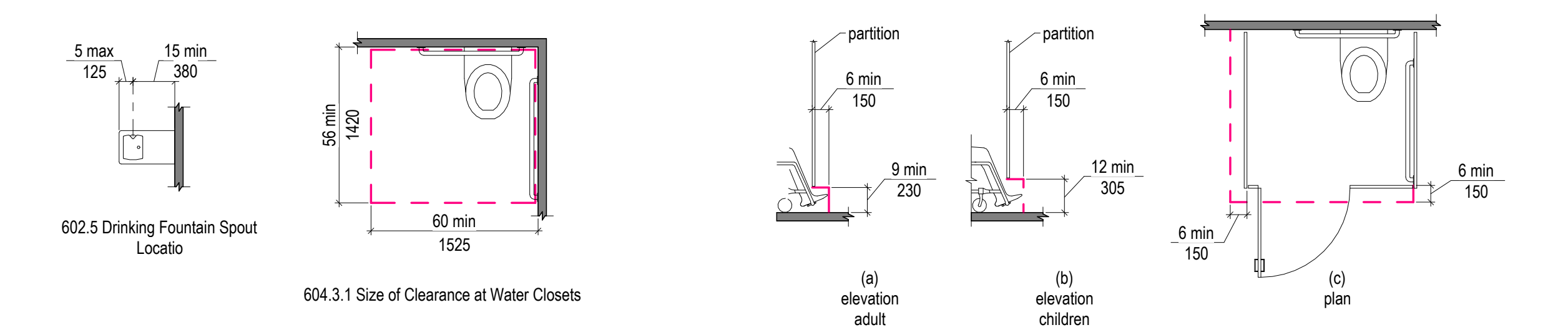
604.5.1 Side Wall Grab Bar at Water Closets

604.5.2 Rear Wall Grab Bar at Water Closets

604.7 Dispenser Outlet Location

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat.

605.2 Height and Depth of Urinals

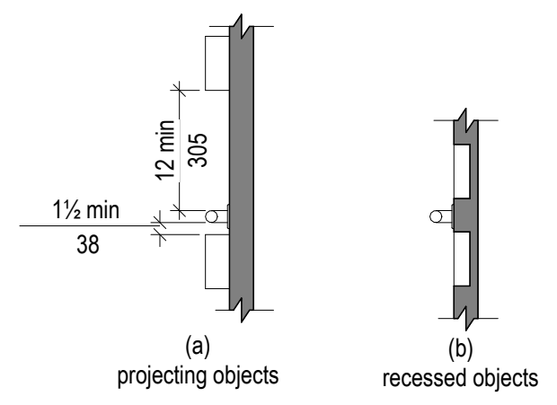

5 max
125
15 min
380
56 min
1420
60 min
1525
partition
6 min
150
9 min
230
(a)
elevation
adult
12 min
305
(b)
elevation
children
6 min
150
(c)
plan

602.5 Drinking Fountain Spout Locatio

604.3.1 Size of Clearance at Water Closets

604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

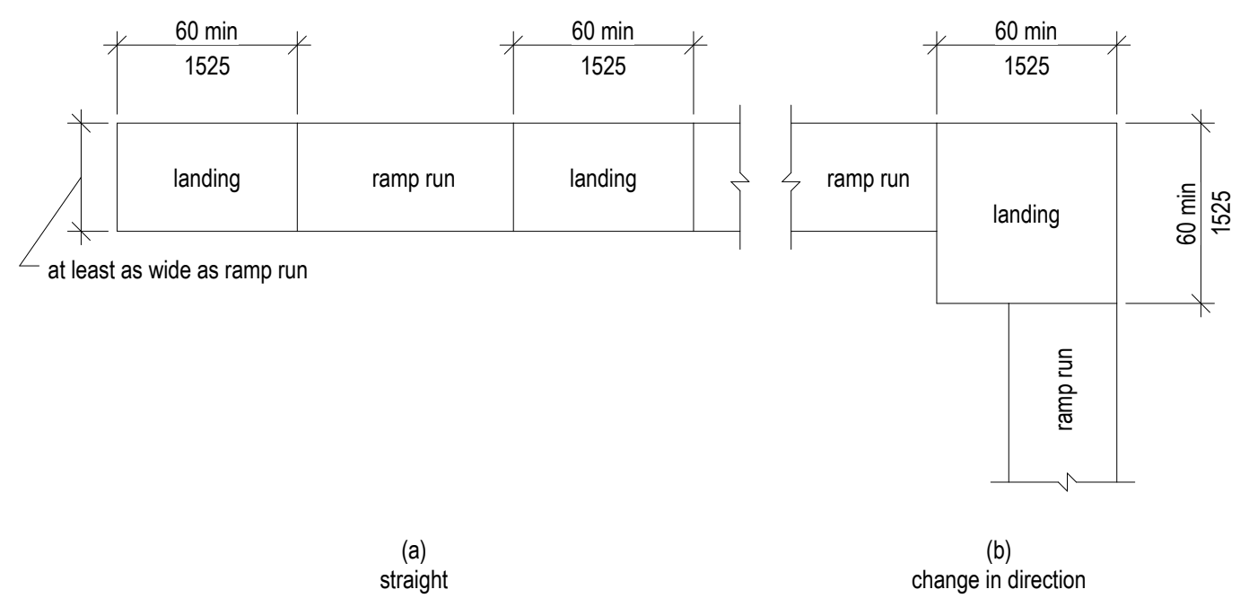
603 Toilet and Bathing Rooms


12 min
305
1½ min
38
(a)
projecting objects
(b)
recessed objects

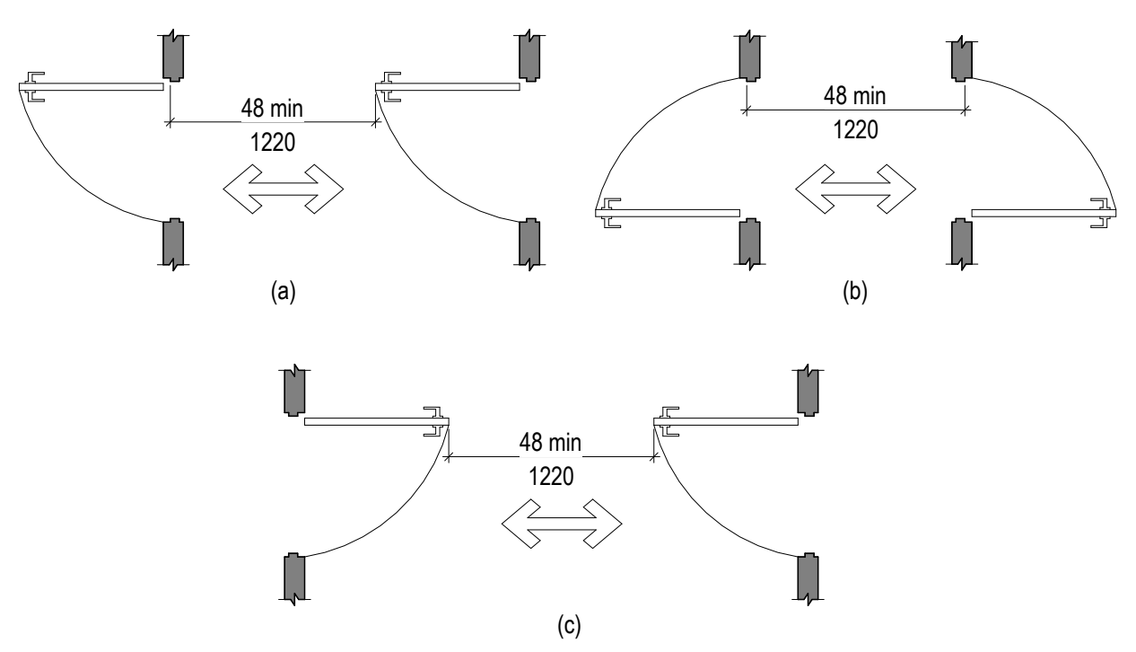
609.3 Spacing of Grab Bars

Spacing of Grab Bars

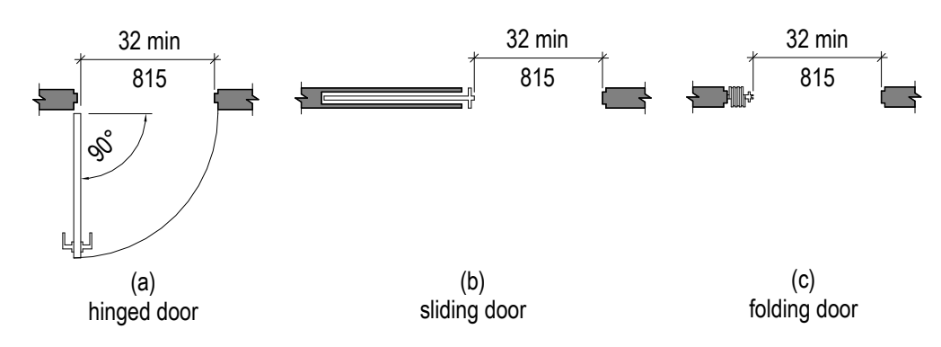
CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES


60 min
1525
landing
ramp run
landing
at least as wide as ramp run
ramp run
landing
60 min
1525
ramp run
(a)
straight
(b)
change in direction

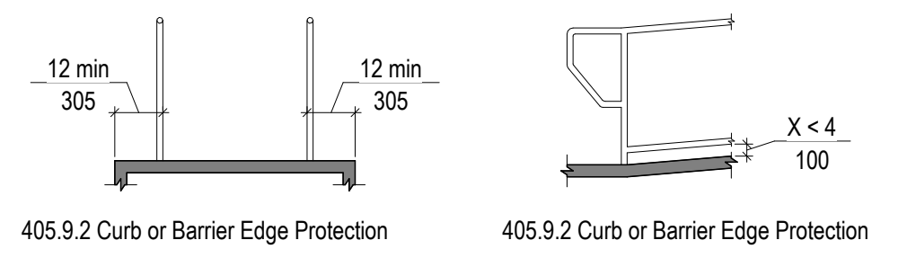
405.7 Ramp Landings


48 min
1220
(a)
(b)
(c)

404.2.6 Doors in Series and Gates in Series


32 min
815
90°
(a)
hinged door
(b)
sliding door
(c)
folding door

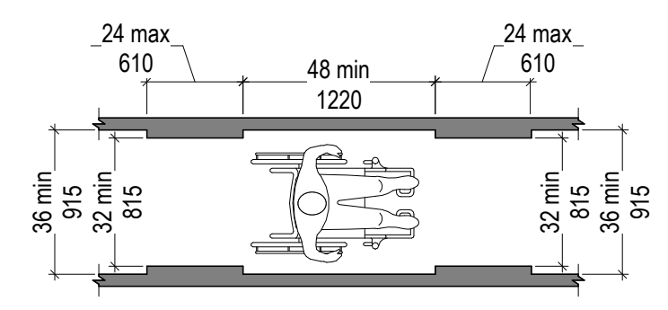
404.2.3 Clear Width of Doorways


12 min
305
X < 4
100

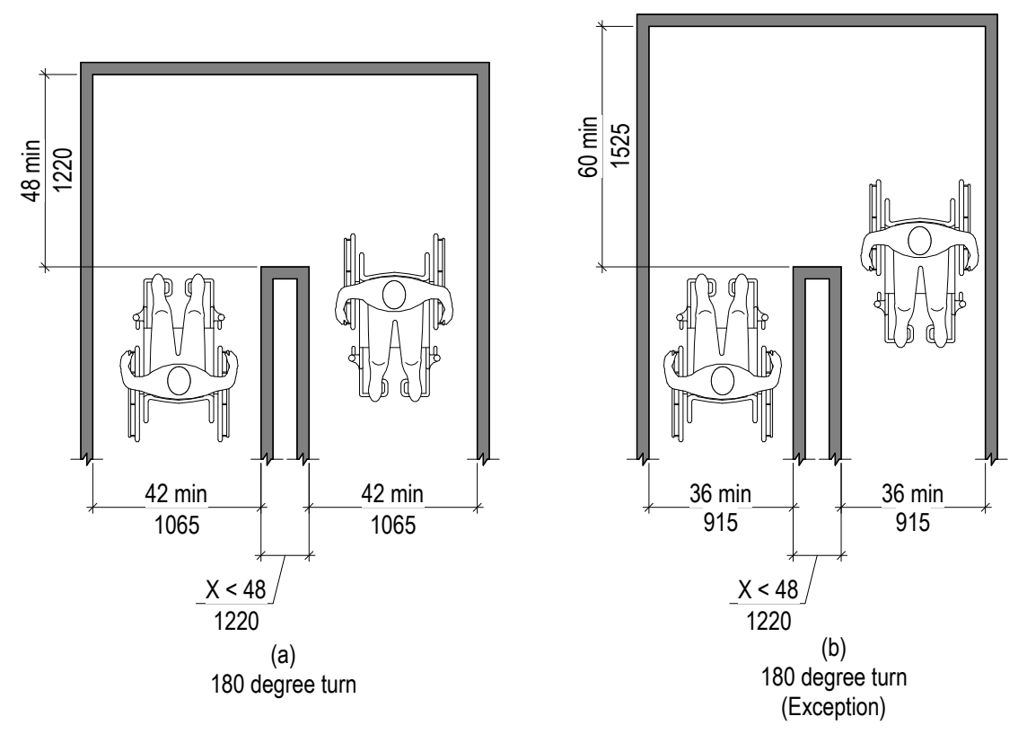
405.9.2 Curb or Barrier Edge Protection

405.9.2 Curb or Barrier Edge Protection

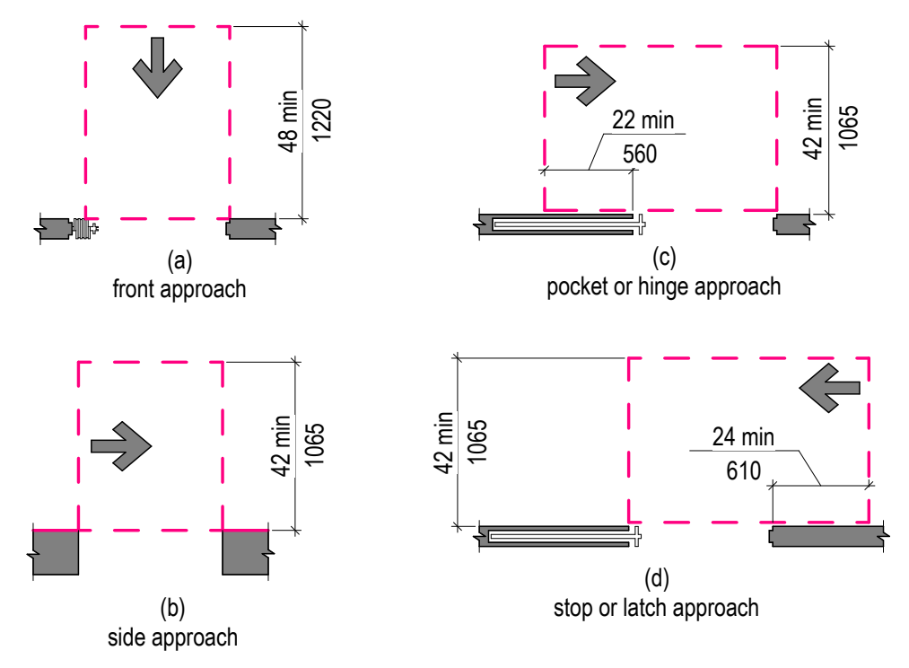
405.9 Extended Floor or Ground Surface


24 max
610
48 min
1220
36 min
915
32 min
815

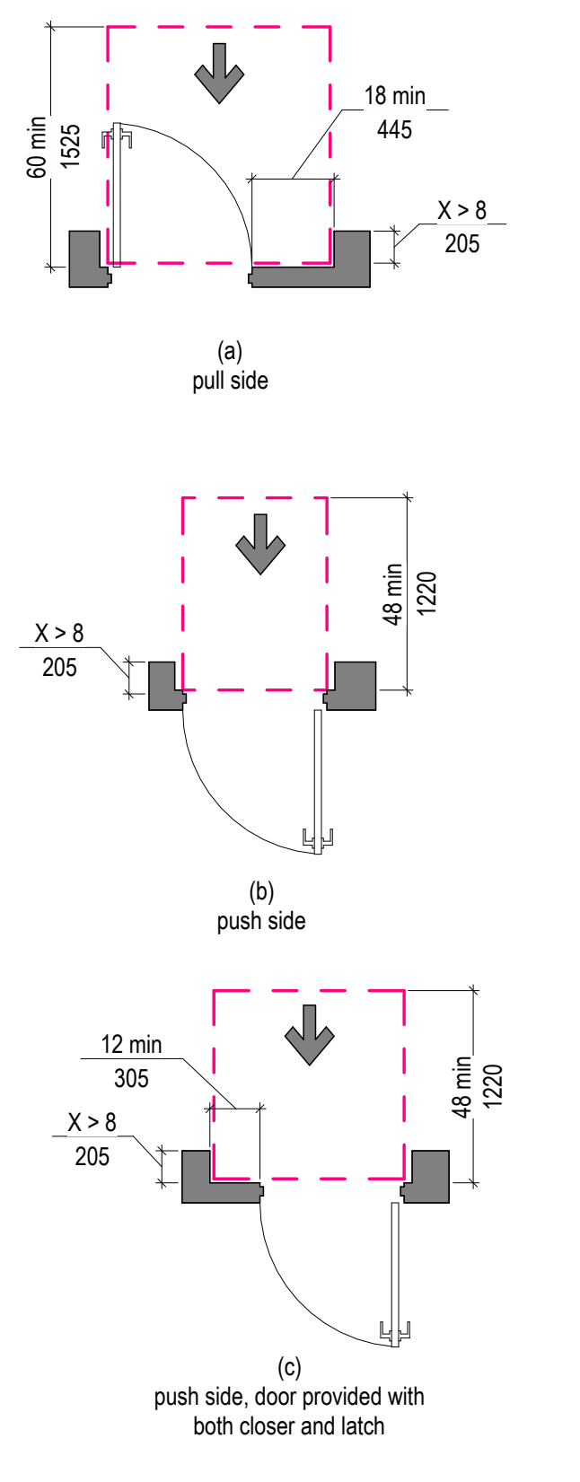
403.5.1 Clear Width of an Accessible Route


48 min
1220
42 min
1065
X < 48
1220
(a)
180 degree turn
60 min
1525
36 min
915
(b)
180 degree turn
(Exception)

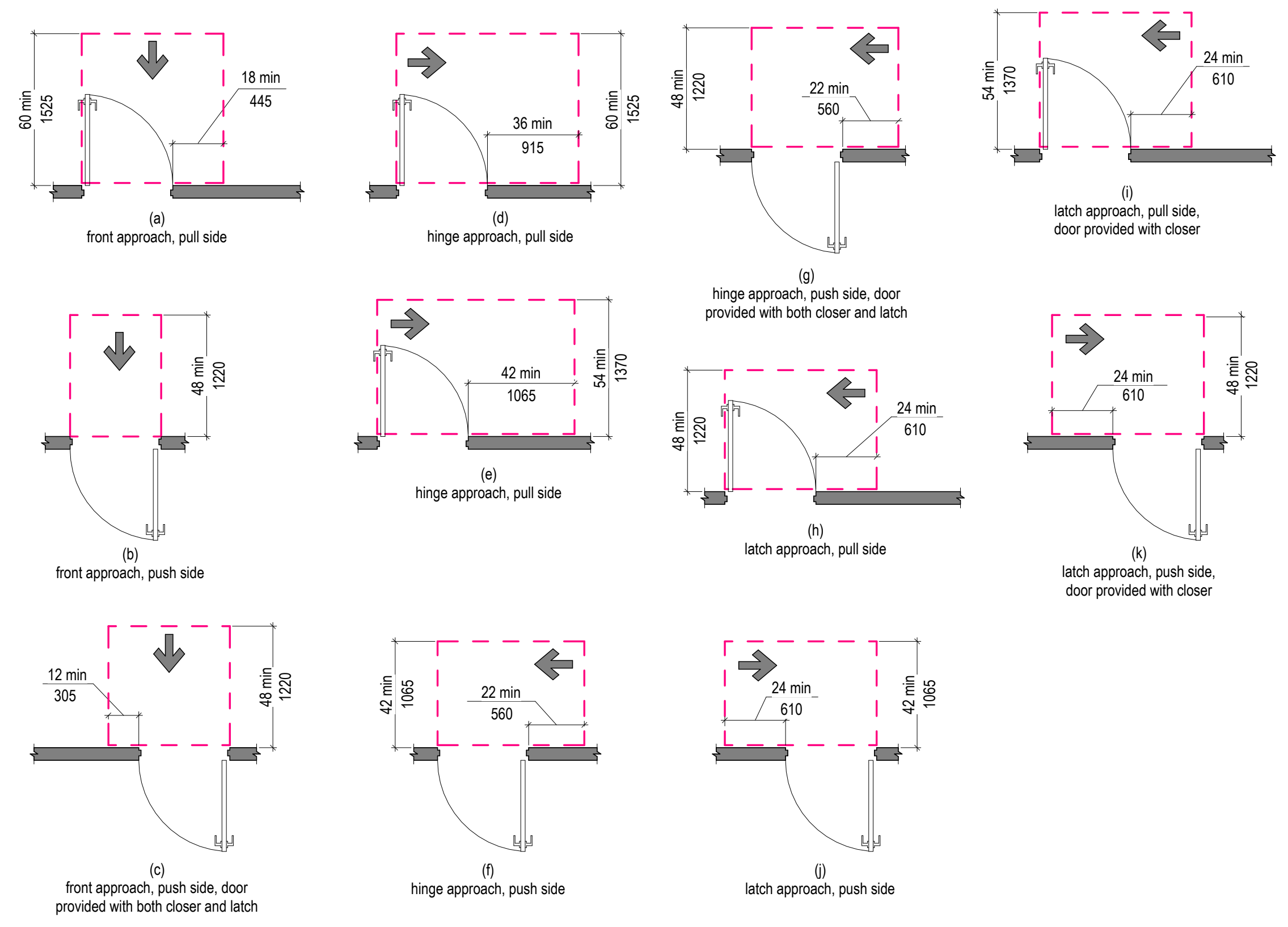
403.5.2 Clear Width at Turn


48 min
1220
(a)
front approach
22 min
560
42 min
1065
(c)
pocket or hinge approach
(b)
side approach
24 min
610
(d)
stop or latch approach

404.2.4.2 Maneuvering Clearance at Sliding and Folding Doors

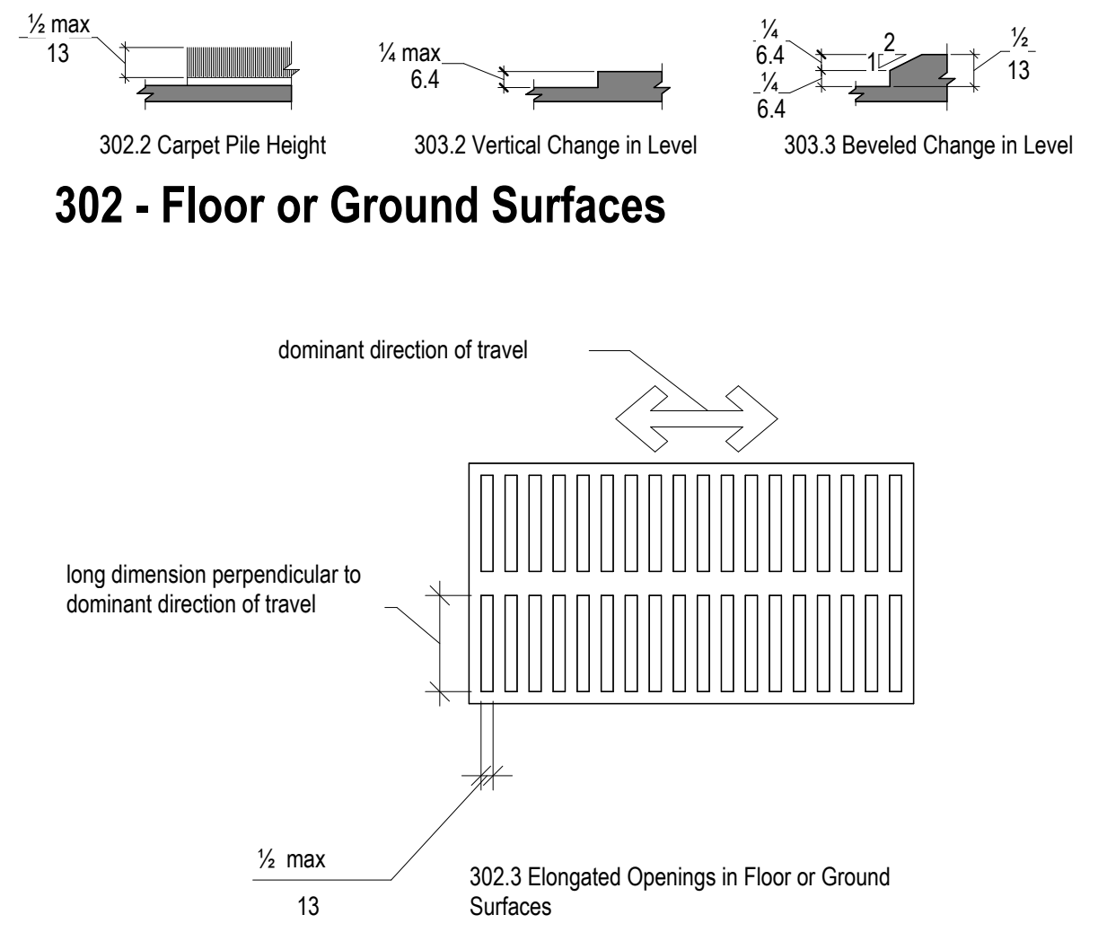

60 min
1525
18 min
445
X > 8
205
(a)
pull side
48 min
1220
(b)
push side
12 min
305
(c)
push side, door provided with both closer and latch

404.2.4.3 Maneuvering Clearance at Recessed Doors and Gates


60 min
1525
18 min
445
(a)
front approach, pull side
48 min
1220
(b)
front approach, push side
12 min
305
(c)
front approach, push side, door provided with both closer and latch
36 min
915
(d)
hinge approach, pull side
42 min
1065
54 min
1370
(e)
hinge approach, pull side
22 min
560
(f)
hinge approach, push side
(g)
hinge approach, push side, door provided with both closer and latch
24 min
610
(h)
latch approach, pull side
(i)
latch approach, pull side, door provided with closer
(j)
latch approach, push side
(k)
latch approach, push side, door provided with closer

404 Doors, Doorways, and Gates

CHAPTER 4: ACCESSIBLE ROUTES


½ max
13
¼ max
6.4
¼
6.4
2
1
½
13
dominant direction of travel
long dimension perpendicular to dominant direction of travel
½ max
13

302.2 Carpet Pile Height

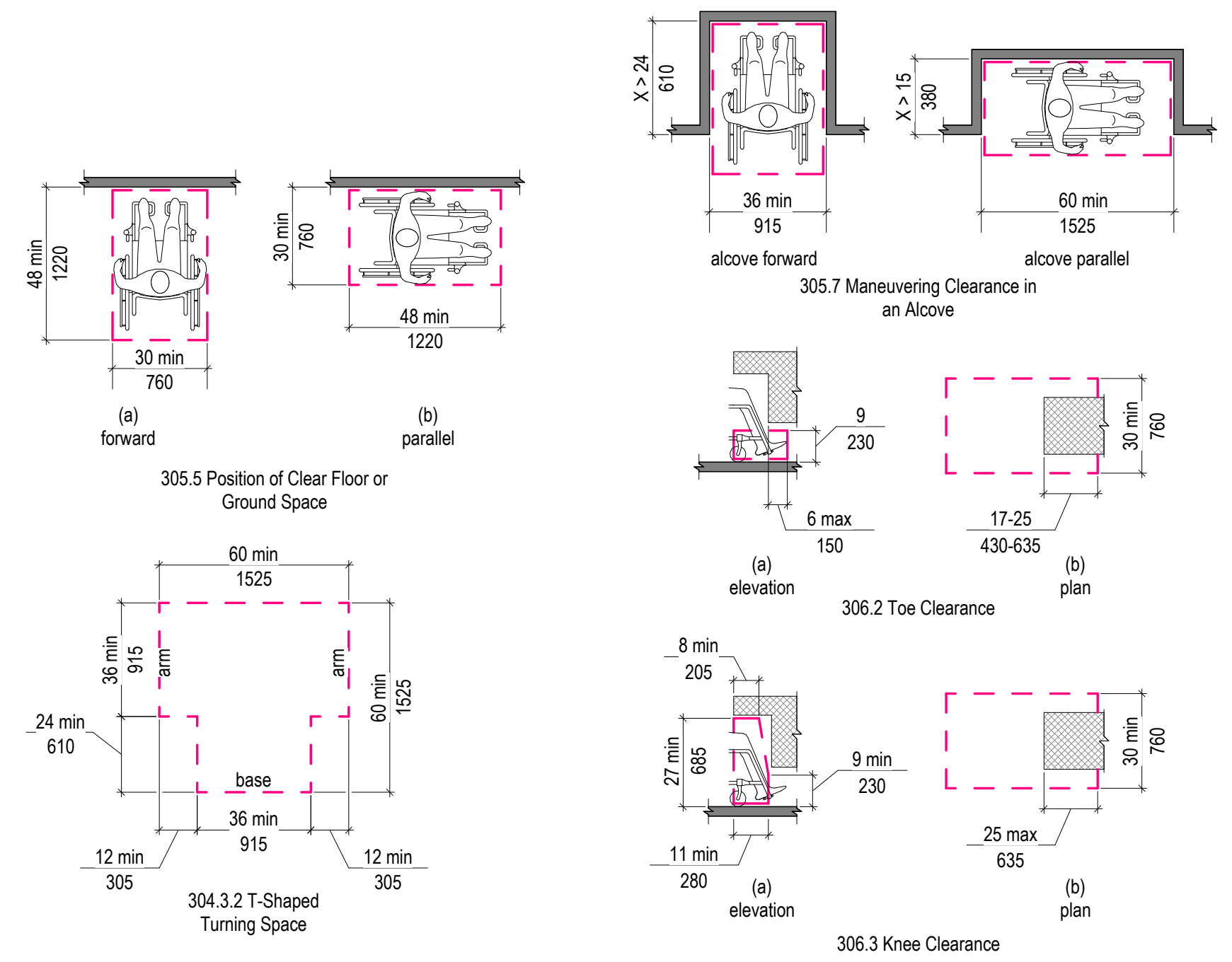
303.2 Vertical Change in Level

303.3 Beveled Change in Level

302 - Floor or Ground Surfaces

302.3 Elongated Openings in Floor or Ground Surfaces

302 Floor or Ground Surfaces


48 min
1220
30 min
760
(a)
forward
48 min
1220
(b)
parallel
60 min
1525
36 min
915
arm
arm
base
24 min
610
12 min
305
X > 24
610
36 min
915
alcove forward
X > 15
380
60 min
1525
alcove parallel
9
230
6 max
150
(a)
elevation
17-25
430-635
30 min
760
(b)
plan
8 min
205
27 min
685
9 min
230
11 min
280
(a)
elevation
25 max
635
(b)
plan

305.5 Position of Clear Floor or Ground Space

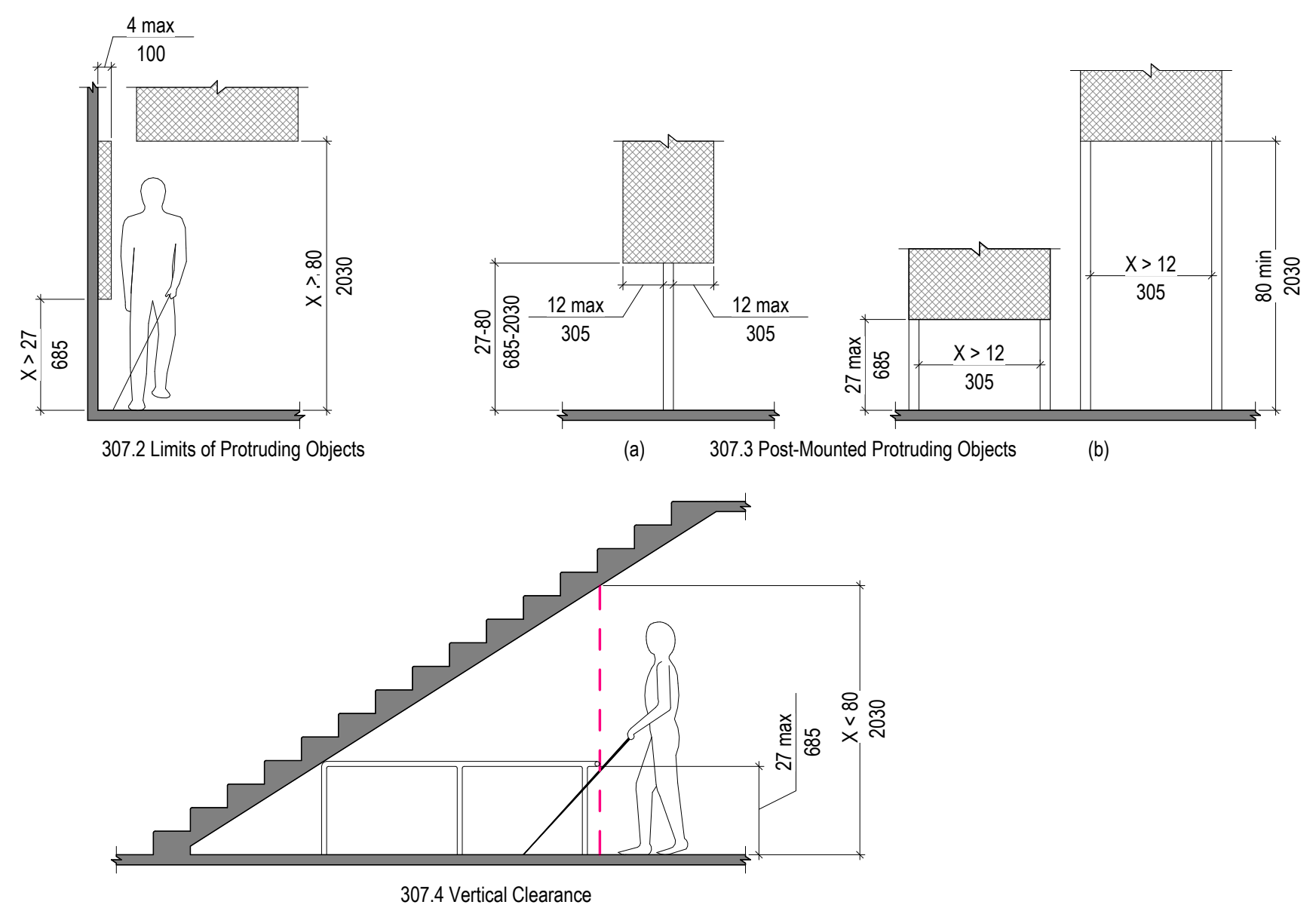
304.3.2 T-Shaped Turning Space

305.7 Maneuvering Clearance in an Alcove

306.2 Toe Clearance

306.3 Knee Clearance

304 305 306 Clearance Space

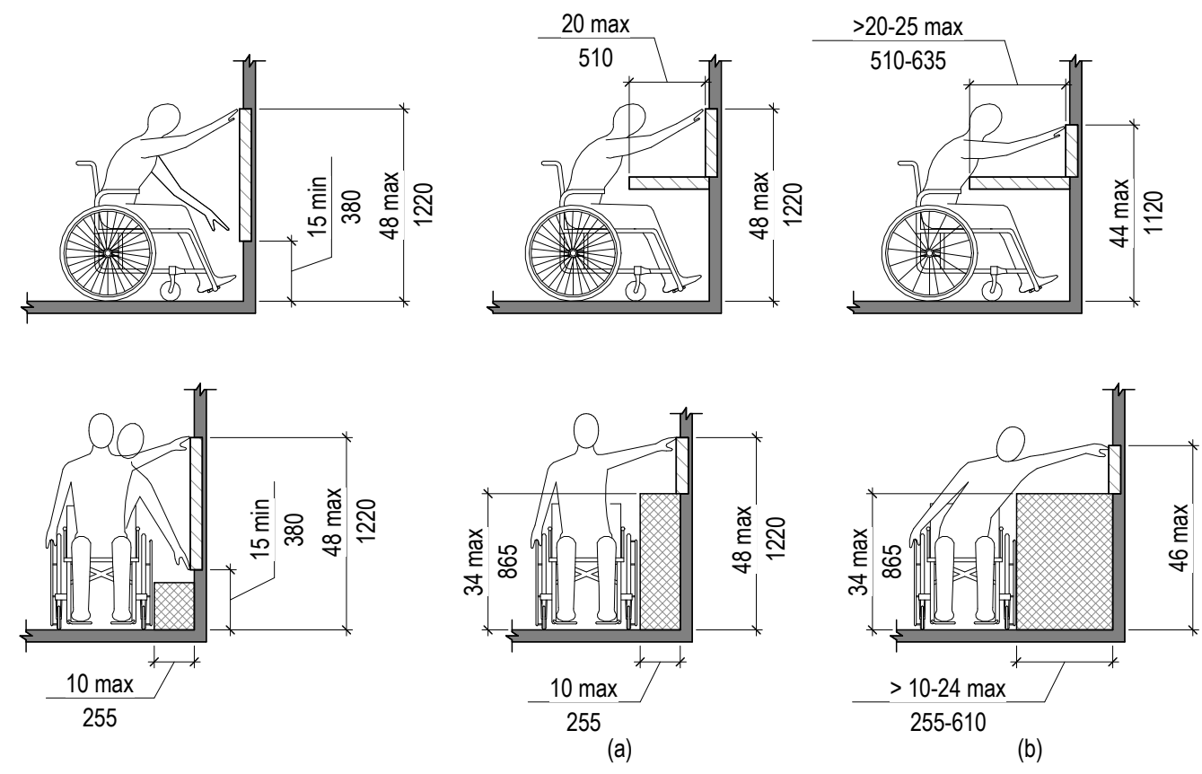

4 max
100
X > 80
2030
X > 27
685
27-80
685-2030
12 max
305
(a)
27 max
685
X > 12
305
80 min
2030
(b)
27 max
685
X < 80
2030

307.2 Limits of Protruding Objects

307.3 Post-Mounted Protruding Objects

307.4 Vertical Clearance

307 Limits of Protruding Objects


15 min
380
48 max
1220
20 max
510
>20-25 max
510-635
44 max
1120
10 max
255
34 max
865
(a)
> 10-24 max
255-610
46 max
1170
(b)

308 Reach Ranges

CHAPTER 3: BUILDING BLOCKS

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City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

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	2026-01-12	ISSUE FOD DESIGN DEVELOPMENT
	2026-03-16	75% CONSTRUCTION DOCUMENT PROGRESS

ARCHITECT

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JOB INFO

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RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

ADA STANDARDS

SHEET NUMBER

G-020

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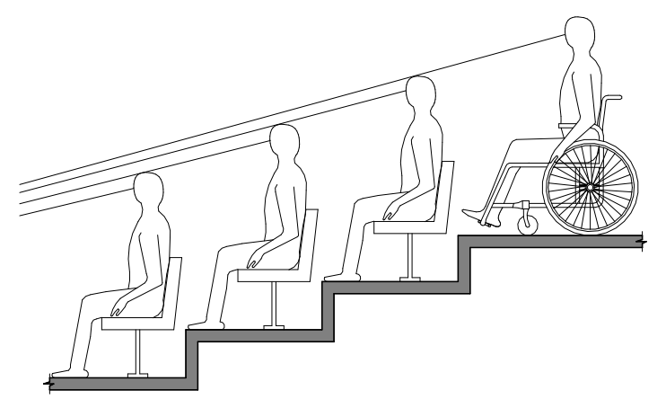
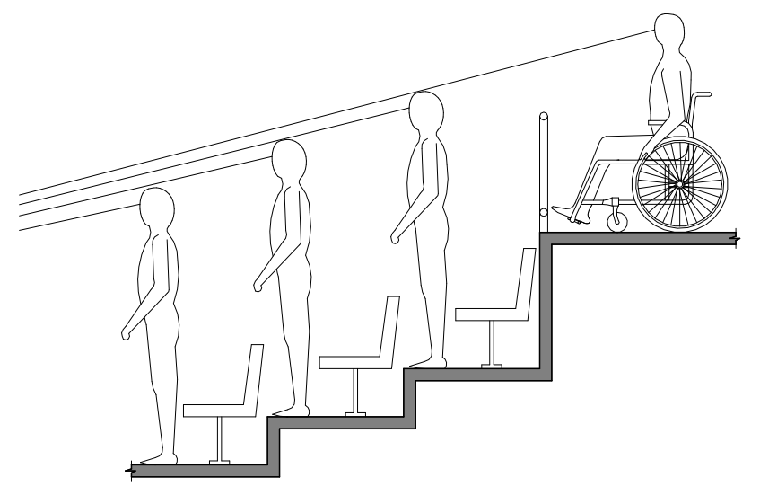
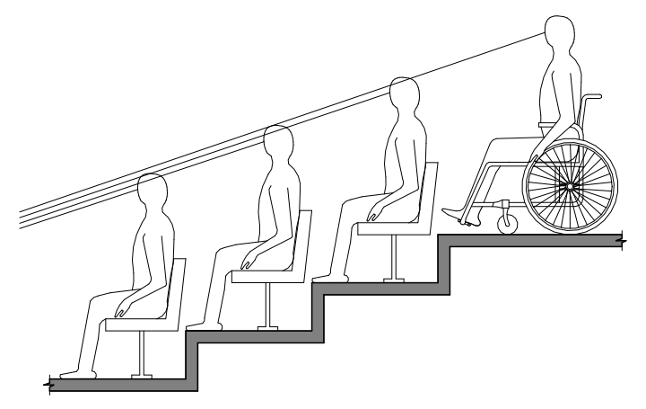
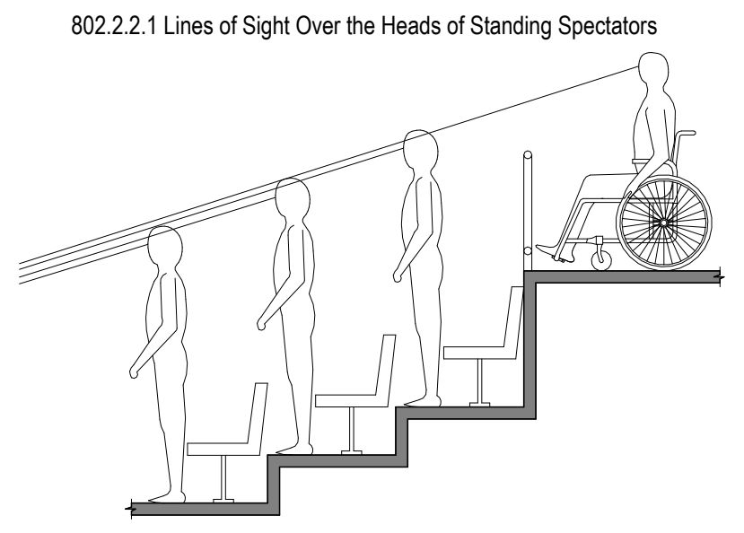
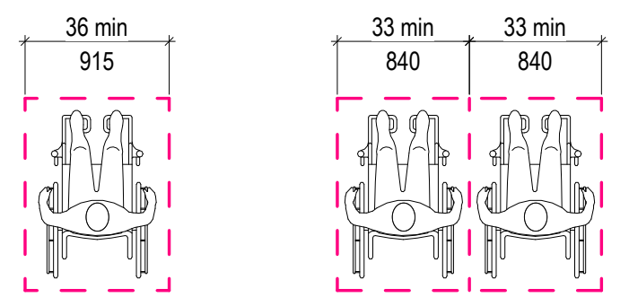

802.2.1.1 Lines of Sight Over the Heads of Seated Spectators


802.2.2.1 Lines of Sight Over the Heads of Standing Spectators


802.2.1.2 Lines of Sight Between the Heads of Seated Spectators


802.2.2.2 Lines of Sight Between the Heads of Standing Spectators

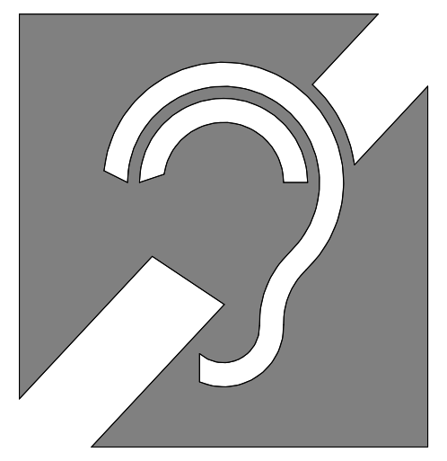
Lines of Sight Over the Heads of Seated Spectators

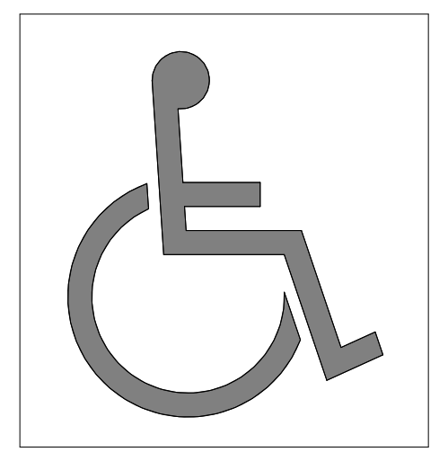

36 min
915
33 min
840
33 min
840
(a)
single space

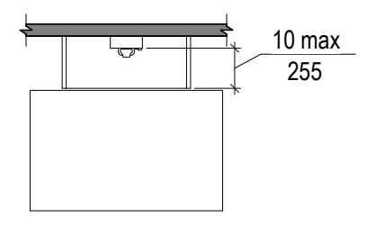
(b)
two spaces

Width of Wheelchair Spaces in Assembly Areas

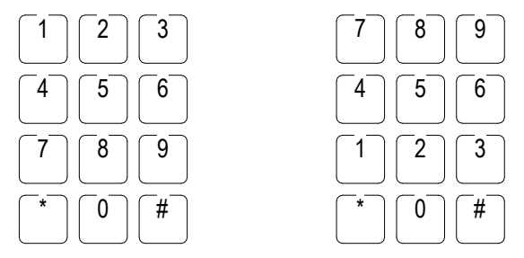
CHAPTER 8: SPECIAL ROOMS, SPACES AND ELEMENTS


703.7.2.4 International Symbol of Access for Hearing Loss


703.7.2.1 International Symbol of Accessibility

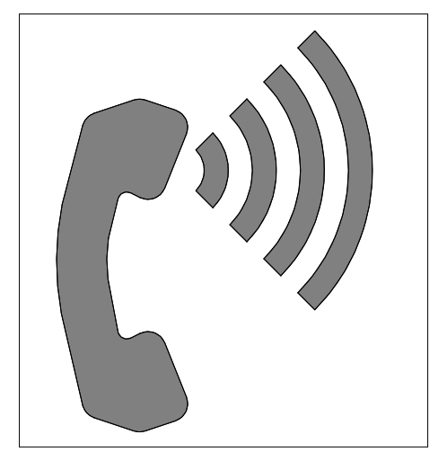


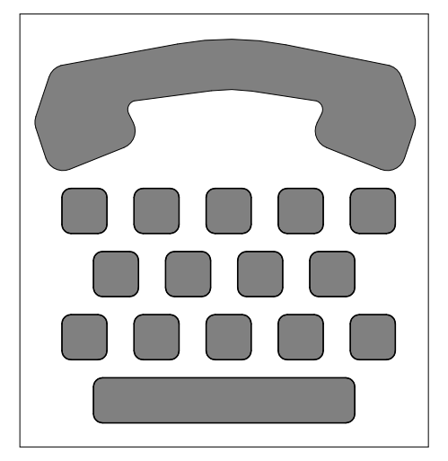
704.2.1.1
Parallel Approach to Telephone

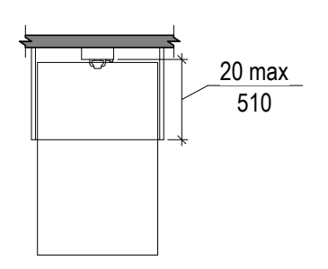

1 2 3
4 5 6
7 8 9
* 0 #
7 8 9
4 5 6
1 2 3
* 0 #
(a)
12-key
ascending

(b)
12-key
descending

707.6.2
Numeric Key Layout

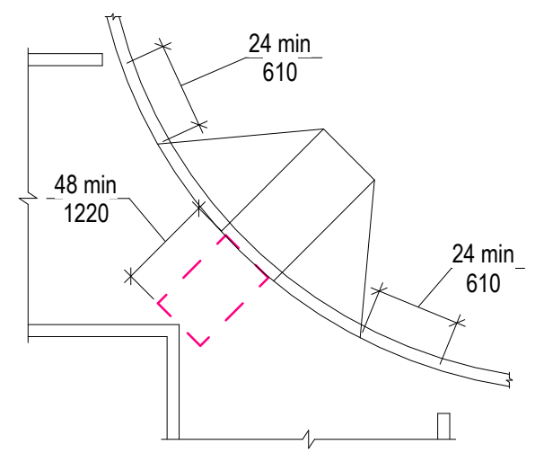

703.7.2.3 Volume-Controlled Telephone

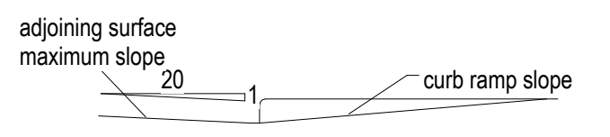

703.7.2.2 International TTY Symbol



704.2.1.2
Forward Approach to Telephone

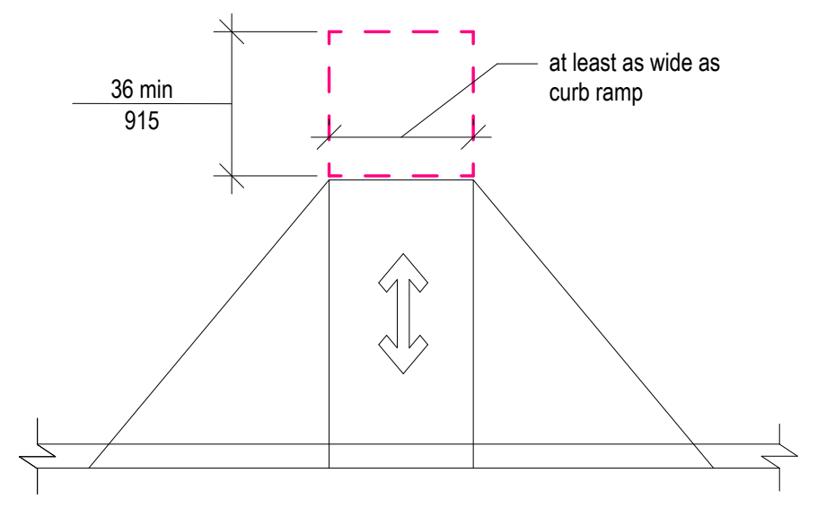
CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES


24 min
610
48 min
1220
24 min
610

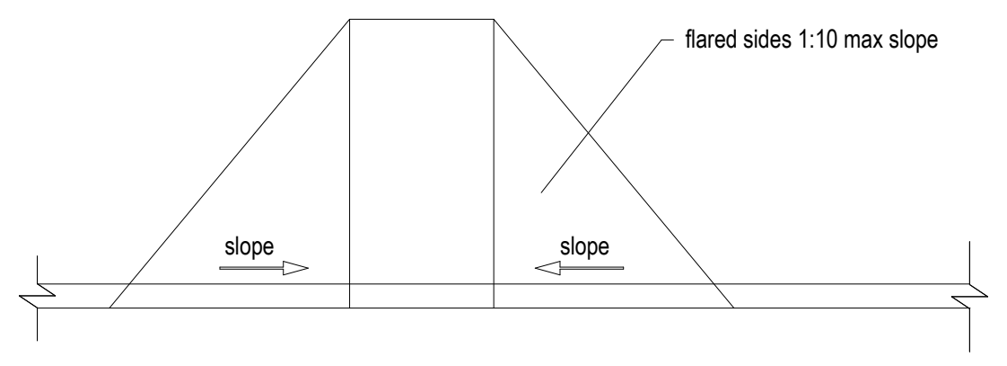

adjoining surface
maximum slope
20
1
curb ramp slope

Counter Slope of Surfaces Adjacent to Curb Ramps

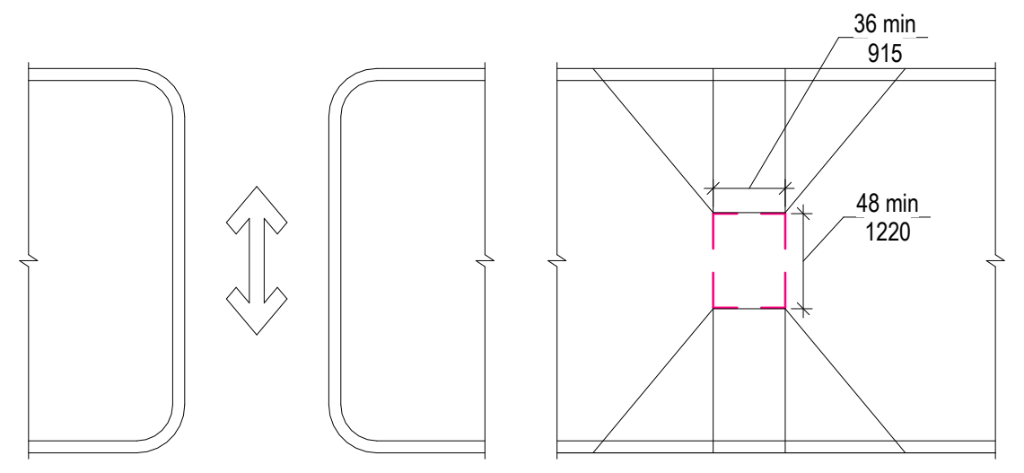
Diagonal or Corner Type Curb Ramps


36 min
915
at least as wide as
curb ramp

Landings at the Top of Curb Ramps

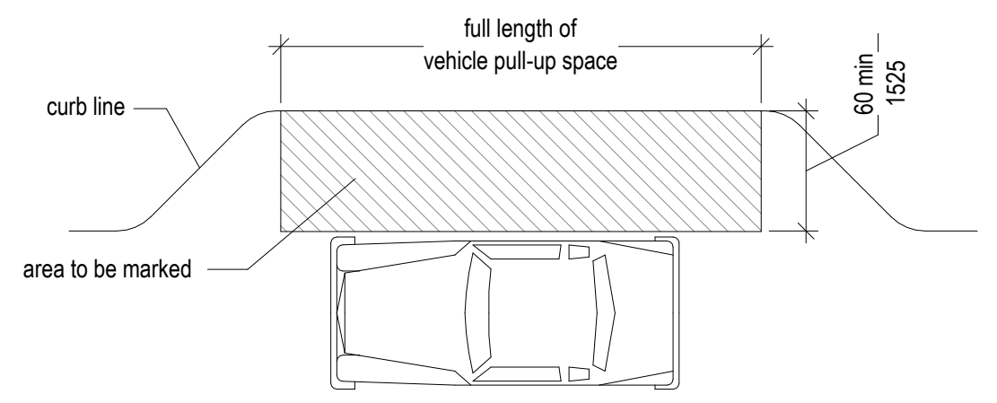

flared sides 1:10 max slope
slope
slope

Sides of Curb Ramps

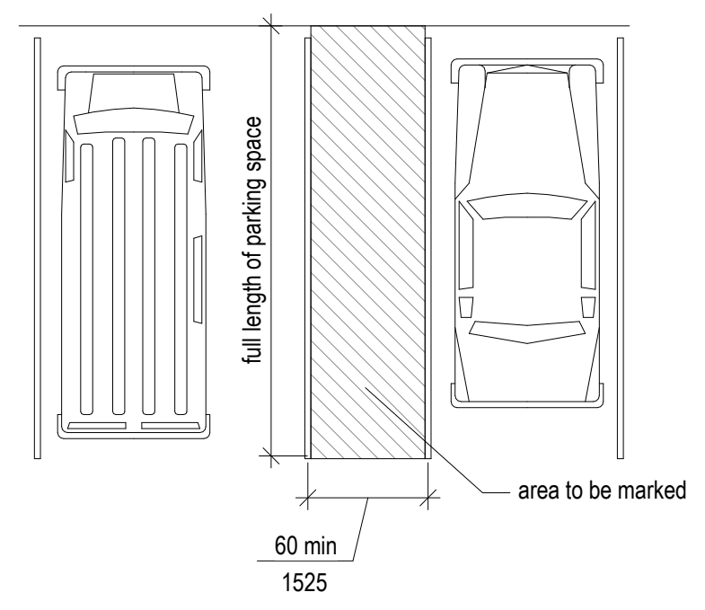

36 min
915
48 min
1220
(a)
cut through at island

(b)
curb ramp at island

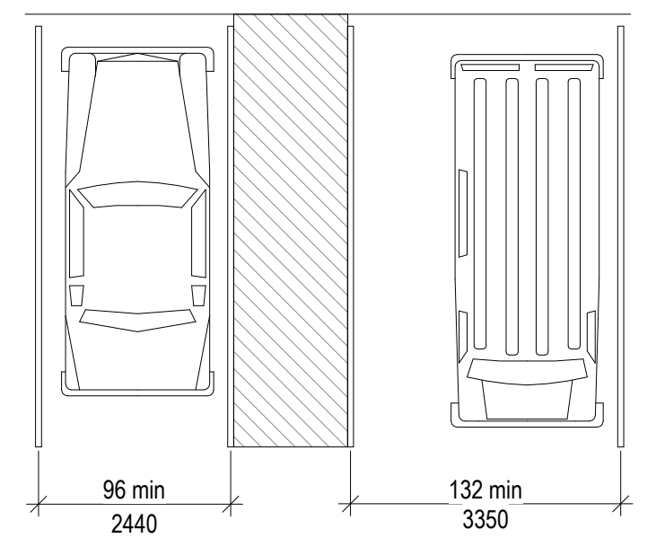
Islands in Crossings


full length of
vehicle pull-up space
60 min
1525
curb line
area to be marked

Passenger Loading Zone Access Aisle


full length of parking space
area to be marked
60 min
1525

Parking Space Access Aisle


96 min
2440
132 min
3350
(a)
car

(b)
van

Vehicle Parking Spaces

CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

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RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

ADA STANDARDS

SHEET NUMBER

G-021

GENERAL NOTES:

1. TOPOGRAPHICAL MAPPING SHOWN PER THE DECEMBER 2025 SURVEY COMPLETED BY SMITH & WEILAND SURVEYORS AND ENGINEERS CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLAN TOPOGRAPHY AND THE CURRENT EXISTING CONDITIONS.
2. CONTRACTOR SHALL VERIFY THE LOCATION, SIZE AND MATERIAL OF ALL UTILITIES AFFECTED BY CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL AFFECTED UTILITIES 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO NOTIFY THE OWNER AND ENGINEER WHEN ANY DISCREPANCY IS FOUND BETWEEN PLANS AND EXISTING CONDITIONS. IN THE EVENT A DISCREPANCY IS FOUND THE CONTRACTOR WILL MAKE FIELD ADJUSTMENTS TO CORRECT ANY PROBLEM.
4. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ACCESS TO THE CONSTRUCTION SITE.
5. WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
6. EXISTING UTILITIES SHOWN ARE TAKEN FROM AVAILABLE RECORDS PROVIDED BY THE UTILITY OWNER AND FIELD LOCATIONS OF SURFACE APPURTENANCES. LOCATIONS SHOWN ARE GENERALLY SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT THE SIZE AND LOCATION OF EACH PARTICULAR UTILITY. SOME UTILITY LINES MAY NOT BE SHOWN. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING FACILITIES WHETHER SHOWN OR NOT. CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES, WHETHER SHOWN OR NOT, IF DAMAGED BY CONTRACTOR'S ACTIVITIES. DIFFERENCES IN HORIZONTAL OR VERTICAL LOCATION OF EXISTING UTILITIES SHALL NOT BE A BASIS FOR ADDITIONAL EXPENSE.
7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SIDEWALKS AND ROADS ADJACENT TO THE PROJECT SITE FREE FROM MUD AND DEBRIS FROM THE SITE CONSTRUCTION.
8. THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE/EXIT AT ALL TRAFFIC EXIT POINTS PRIOR TO EXITING ONTO ANY PAVED ROADWAY.
9. THE ACCESS AND WORK AREAS SHALL BE SECURED DURING NON-WORKING HOURS.
10. CONTRACTOR IS RESPONSIBLE FOR, AND MUST OBTAIN PRIOR TO CONSTRUCTION, ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY LOCAL JURISDICTIONS.
11. ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE THE ERODED AREAS TO ORIGINAL CONDITION OR BETTER.
12. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH REPRESENTATIVES FROM ALL CONTRACTORS, THE ARCHITECT AND THE OWNER.
13. BARRICADING AND TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", PART VI IN PARTICULAR. TRAFFIC FLOW AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF THE CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC SAFETY MEASURES FOR WORK ON PROJECT.
14. ANY DAMAGES THAT MAY OCCUR TO REAL PROPERTY OR EXISTING IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR TO AT LEAST THE SAME CONDITION THAT THE REAL PROPERTY OR EXISTING IMPROVEMENTS WERE IN PRIOR TO THE DAMAGES. THIS RESTORATION SHALL BE SUBJECT TO THE OWNER'S APPROVAL; MOREOVER, THIS RESTORATION SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR. RESTORATION SHALL INCLUDE, BUT NOT BE LIMITED TO, REGRASSING, REVEGETATION, REPLACING FENCES, REPLACING TREES, ETC.
15. AS NEEDED, CONSTRUCTION TRAFFIC ROUTES SHALL BE COORDINATED WITH ARDOT, PRIOR TO CONSTRUCTION. ALL COMPACTED AREAS DUE TO CONSTRUCTION SHALL BE AERATED AND REVEGETATED TO ORIGINAL CONDITION AT NO EXPENSE TO THE CLIENT.
16. PRIOR TO CONSTRUCTION, THE OWNER OR OWNER'S REPRESENTATIVE SHALL APPROVE THE LOCATION OF ALL SILT FENCES.
17. THE CONTRACTOR SHALL USE THE LIMITS OF SILT FENCE AS THE LIMITS OF DISTURBANCE AND ACCESS UNLESS OTHERWISE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE.
18. OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF AREAS TO BE DEMOLISHED.
19. CONTRACTOR SHALL PERFORM WORK IN A MANNER TO ELIMINATE HAZARDS TO PERSONS OR PROPERTY AND AVOID INTERFERENCE WITH ADJACENT AREAS, UTILITIES, AND STRUCTURES.

ACCESSIBLE WALKWAY NOTES

1. ALL WALKWAYS ARE DESIGNED AND MUST BE CONSTRUCTED TO COMPLY WITH THE 2021 ARKANSAS BUILDING CODE (CHAPTER 11). AN ACCESSIBILITY INSPECTION WILL BE REQUIRED AT THE END OF PROJECT CONSTRUCTION FOR COMPLIANCE WITH THE STANDARD AND AS REGULATED BY THE ARKANSAS DEPARTMENT OF LABOR AND LICENSING.
2. CROSS SLOPES OF WALKWAYS SHALL NOT EXCEED A GRADIENT OF 2% (0.20 FOOT RISE IN 10.00 FEET OR RUN).
3. LONGITUDINAL SLOPES OF WALKWAYS SHALL NOT EXCEED A GRADIENT OF 5% (0.50 FOOT RISE IN 10.00 FEET OF RUN).
4. WHERE A WALKWAY INTERSECTS ANOTHER WALKWAY, SLAB OR OTHER STRUCTURE, THE CROSS SLOPE AT THE INTERSECTION SHALL NOT EXCEED 2% IN ALL DIRECTIONS, NO EXCEPTION.
5. CURB RAMPS SHALL NOT EXCEED 8.33% (0.5 FOOT RISE IN 6.00 FEET OF RUN).
6. RAMPED AREAS SHALL NOT EXCEED 8.33% (0.5 FOOT RISE IN 6.00 FEET OF RUN) WITH A MAX. CROSS SLOPE OF 2% (0.20 FOOT RISE IN 10.00 FEET RUN).
7. NO CHANGE IN LEVEL GREATER THAN 1/4 IN. WILL BE ACCEPTED. CHANGES IN LEVEL BETWEEN 1/4 & 1/2 SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2

GRADING NOTES

1. ALL GRADES ARE TOP OF PAVEMENT/FINSIHED GRADE UNLESS OTHERWISE NOTED.
2. TOP OF CURB ELEVATIONS ARE 0.5 FEET HIGHER THAN TOP OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.

TRAFFIC MARKING NOTES

1. ANY METHODS, STREET MARKINGS AND SIGNAGE NECESSARY FOR WARNING MOTORISTS, WARNING PEDESTRIANS, OR DIVERTING TRAFFIC DURING CONSTRUCTION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.
2. ALL PAVEMENT MARKINGS, MARKERS, PAINT, TRAFFIC BUTTONS, TRAFFIC CONTROLS AND SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITIONS.

CONSTRUCTION LAYOUT/DIMENSION CONTROL NOTES

1. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR MAY REQUEST THE SURVEY AND DESIGN FILES FOR THE PROJECT, FROM HALFF ASSOCIATES, INC. FOR LAYOUT PURPOSES.
2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EMPLOY AN INDEPENDENT REGISTERED PROFESSIONAL LAND SURVEYOR TO SET CONTROL AND ELEVATIONS FOR THE ENTIRE PROJECT. THE SURVEYOR SHALL REVIEW THE PLANS THOROUGHLY AND POINT OUT ANY KNOWN OR DISCOVERED DISCREPANCIES TO THE DESIGN CONSULTANT. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE SURVEYOR SHALL RUN A TRAVERSE LOOP ON THE SITE. THE SURVEYOR SHALL VERIFY AND CONFIRM IN WRITING TO THE CONTRACTOR THAT THE BENCHMARKS ARE CORRECT WITH REGARD TO THE DIFFERENCE IN THE THEIR ELEVATIONS AND WITH REGARD TO THE ELEVATIONS OF AT LEAST FOUR CHECKPOINTS EVENLY DISTRIBUTED ON THE SITE FOR WHICH ELEVATIONS ARE GIVEN. CHECKPOINTS MAY BE ANY MANMADE OR NATURAL FEATURE THAT CAN BE READILY IDENTIFIED AND MEASURED.
3. CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING ALL EXISTING AND PERMANENT UTILITIES.
4. USE DIMENSIONAL INFORMATION PROVIDED ON THE PLANS. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL PREVAIL.
5. MEASUREMENTS ARE TO FACE OF BUILDING, WALL, CURB OR THE FIXED SITE IMPROVEMENT. DIMENSIONS TO CENTER LINES ARE INDICATED.
6. FOR DIMENSIONS OF THE BUILDINGS, REFER TO THE ARCHITECTURAL DRAWINGS.
7. THE PLANS FOR THIS PROJECT SHOW PROPOSED ELEVATIONS, SLOPES AND DIMENSIONS THAT ARE INTENDED FOR ACTUAL PLACEMENT. THERE MAY BE SOME INSTANCES WHERE EXISTING CONDITIONS MAKE IT IMPRACTICAL TO ACHIEVE THE IDEAL. IN THOSE INSTANCES, THE DESIGN CONSULTANT WILL ASSIST THE CONTRACTOR IN MAKING PROPER FIELD CHANGES TO ACCOMMODATE SUCH CONDITIONS.
8. INSTALL INTERSECTING ELEMENTS AT 90 DEGREE ANGLES TO EACH OTHER UNLESS OTHERWISE NOTED.
9. WHERE DIMENSIONS ARE CALLED AS "EQUAL", ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTER LINES OR OTHER NOTED REFERENCES.
10. PROVIDE EXPANSION JOINTS WHERE CONCRETE FLATWORK MEETS VERTICAL STRUCTURES SUCH AS WALLS, CURBS, STEPS AND BUILDING ELEMENTS.
11. ALL WALKWAYS SHALL BE LOCATED FROM FINISHED FACE OF BUILDINGS.
12. FOR HANDICAPPED STANDARDS, VERIFY COMPLIANCE WITH LATEST EDITION OF ADA AND LOCAL AND STATE HANDICAP STANDARDS PRIOR TO CONSTRUCTION. WHERE FIELD MODIFICATIONS ARE REQUIRED FOR COMPLIANCE, CONSTRUCTION CHANGES MAY BE APPLIED INCLUDING DIFFERENT GRADES AND LAYOUT THAN THOSE NOTED HEREIN.
13. SURFACES SHALL BE ADA COMPLIANT ALONG ACCESS AND EGRESS. PAVING MATERIALS SHALL HAVE NO ADJACENT SURFACE IRREGULARITIES GREATER THAN 1/4" IN ANY PIECE OR BETWEEN ADJACENT PIECES.

UTILITY NOTES

1. THE CONTRACTOR SHALL NOT ASSUME THAT UTILITIES ARE PRECISELY LOCATED. UTILITIES ARE SHOWN TO HELP MAKE THE CONTRACTOR AWARE OF THEIR EXISTENCE. THIS MEASURE IS TAKEN TO HELP PROTECT THE INVESTMENTS AND SERVICES OF THE OWNERS OF THE UTILITIES AND THEIR CUSTOMERS. CONTRACTOR SHALL CALL '811' FOR HELP IN LOCATING UTILITIES.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL ASCERTAIN WHETHER ANY ADDITIONAL UTILITIES OR FACILITIES, OTHER THAN THOSE SHOWN ON THE PLANS, MAY BE PRESENT ON THE SITE OF THE WORK.
3. PRIOR TO PROCEEDING WITH CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR DESIGN CONSULTANT IF CONFLICTS OR POTENTIAL CONFLICTS OCCUR BETWEEN THE EXISTING UTILITIES AND PROPOSED CONSTRUCTION.
4. PRIOR TO PROCEEDING WITH CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE AFFECTED PARTS OF THE UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE AND PROTECT ALL UTILITIES.
5. THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE UTILITY OWNER AND MAKE RESTITUTION FOR ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR IN THE COURSE OF THE WORK.

STORM DRAINAGE NOTES

1. REFERENCE STORM DRAINAGE DETAILS ON SHEET C7.01 - C7.02 FOR ADDITIONAL NOTES.
2. RIM ELEVATIONS SHALL BE PROPERLY ADJUSTED TO GRADE IN PAVEMENT AND SIDEWALKS. APPROVED BLOCKOUTS SHALL BE USED IN PAVEMENT.
3. ALL STORM SEWERS UNDER OR WITHIN 1 FT. OF PROPOSED OR FUTURE PAVEMENTS SHALL BE BACKFILLED WITH 1-1/2 SACK CEMENT STABILIZED SAND TO WITHIN 1 FT. OF SUBGRADE.
4. CONTRACTORS SHALL PROVIDE 18-INCH MINIMUM CLEARANCE AT STORM SEWER AND WATER LINE CROSSINGS AND STORM SEWER AND SANITARY SEWER CROSSINGS UNLESS OTHERWISE NOTED.
5. RIM ELEVATIONS FOR JUNCTION BOX IN LANDSCAPED OR GRADED AREAS SHALL BE SET AT 6" ABOVE FINISHED GROUND.

WATER AND WASTEWATER CONSTRUCTION NOTES

1. SEPARATION DISTANCES FOR ALL SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL BE GOVERNED BY THE ARKANSAS DEPARTMENT OF HEALTH.
2. CONTRACTORS SHALL PROVIDE 18-INCH MINIMUM CLEARANCE AT STORM SEWER AND WATER LINE CROSSINGS AND STORM SEWER AND SANITARY SEWER CROSSINGS UNLESS OTHERWISE NOTED.
3. UTILITY RELOCATION TO FACILITATE CONSTRUCTION IS CONTRACTOR'S RESPONSIBILITY.
4. SANITARY SEWER PIPE SMALLER THAN 6-INCHES SHALL BE SCHEDULE 40 PVC. PIPES 6-INCH TO 10-INCH SHALL BE SDR 26 PVC AND PIPES 12 AND LARGER TO BE SDR 35 PVC.
5. SANITARY SEWERS TO BE INSTALLED, BEDDED & BACKFILLED PER CITY OF WEST MEMPHIS DETAILS AND SPECIFICATIONS.
6. WATER MAINS 4-INCH TO 12-INCH TO BE AWWA C-900, DR 18. WATER MAINS 1-1/2" TO 3" SHALL BE SCH 40 PVC.
7. ALL WATER MAINS TO BE INSTALLED, BEDDED & BACKFILLED PER CITY OF WEST MEMPHIS DETAILS AND SPECIFICATIONS.
8. ALL WATER MAINS TO HAVE A 4' MIN. COVER OR AS SPECIFIED BY THE CITY OF WEST MEMPHIS.
9. RIM ELEVATIONS FOR MANHOLES IN LANDSCAPED OR GRADED AREAS SHALL BE SET AT 6" ABOVE FINISHED GROUND.

CONSTRUCTION INSPECTION, SUBMITTALS AND TESTING NOTES

1. CONSTRUCTION PROGRESS MEETING DATES, TIMES, LOCATIONS AND FREQUENCY WILL BE ESTABLISHED AT THE PRE-CONSTRUCTION MEETING AS AGREED UPON BY ALL PARTIES INVOLVED.
2. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ARKANSAS DEPARTMENT OF TRANSPORTATION PRIOR TO COMMENCING CONSTRUCTION REQUIRING ROAD CLOSURE.
3. SUBMITTALS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING THE DESIGN CONSULTANT SUBMITTALS AND SAMPLES OF ALL PRODUCTS AND MATERIALS TO BE USED ON THE PROJECT. SUBMITTALS SHALL BE PROVIDED ON A OFFICIAL LETTER HEAD/TRANSMITTAL FROM THE GENERAL CONTRACTOR AND NUMBERED IN PDF DIGITAL FORMAT AND EMAILED TO PRIME DESIGN CONSULTANT. PRODUCT MANUFACTURER, TECHNICAL DATA IF DIFFERENT FROM SOURCE; CONTENT OF PRODUCT; AMOUNT OF EACH INGREDIENT IN THE PRODUCT, AND MANUFACTURER'S DIRECTIONS AS TO USE AND APPLICATION OF THE PRODUCT, IF APPLICABLE, SHALL BE PROVIDED. PAINT/FINISHING PRODUCT SAMPLE, ROCK SAMPLE, CAST STONE SAMPLES, ETC. SHALL BE TRACTED SAME AS MATERIAL SUBMITTALS. ANY COSTS ASSOCIATED WITH ANY SAMPLING AND TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THESE COSTS SHALL BE CONSIDERED AS INCIDENTAL AND THE CONTRACTOR WILL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION.
4. TESTING:

   A. THE OWNER WILL PAY ALL THE CHARGES OF TESTING LABORATORIES FOR SERVICES IN CONNECTION WITH IN PLACE FIELD DENSITIES, CONCRETE CYLINDERS TESTING, HMAC DENSITY TESTS AND ANY IN-PLACE TEST REQUIRED FOR QUALITY ASSURANCE. RE-TESTING AFTER FAILURE OF IN PLACE TESTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

   B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND PAY FOR ALL CHARGES OF TESTING LABORATORIES FOR SERVICES IN CONNECTION WITH INITIAL TESTS MADE ON ALL IMPORTED MATERIALS TO THE PROJECT SITES INCLUDING BUT NOT LIMITED TO EMBEDMENT MATERIALS, FILL MATERIAL, BACKFILL MATERIAL, SELECT MATERIAL, CRUSHED LIMESTONE BASE, SUBBASE, CONCRETE, STEEL, WOOD FORMS, LIQUID ASPHALT, AGGREGATE, WATER, CEMENT, CURING, COMPOUND, SEALANTS, ETC. THE TESTS FOR WHICH THE CONTRACTOR WILL TYPICALLY BE RESPONSIBLE ARE ATTERBERG LIMITS, SIEVE ANALYSIS, PLASTICITY INDICES, MIX DESIGN, CALIFORNIA BEARING RATIOS, PROCTORS (MOISTURE DENSITY CURVES) AND ALL TESTS REQUIRED BY THE SPECIFICATIONS THAT PROVE THE MATERIAL BROUGHT TO THE PROJECT SITES MEETS OR EXCEEDS THE SPECIFICATIONS AND CONTRACT DOCUMENTS.

EROSION AND SEDIMENTATION CONTROL NOTES

1. EROSION CONTROL MEASURES, SITE WORK AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
2. ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS, GRASS MIXTURES OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED.
3. SILT FENCES, ROCK BERMS, SEDIMENTATION BASINS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. SUCH INSTALLATION SHALL BE REGULARLY INSPECTED BY THE CITY OF WEST MEMPHIS FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CITY COUNTY ENGINEER, THEY ARE WARRANTED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE CIVIL ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.
5. ALL MUD, DIRT, ROCKS, DEBRIS, ETC., SPILLED, TRACKED OR OTHERWISE DEPOSITED ON EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.
6. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE PROTECTIVE FENCING PRIOR TO ANY WORK (CLEARING, GRUBBING OR EXCAVATION)
7. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.
8. THE TEMPORARY SPOILS DISPOSAL SITE IS TO BE SHOWN IN THE EROSION CONTROL MAP. THE DEPTH OF SPOIL WILL NOT EXCEED 10 FEET IN ANY AREA.
9. NO PERMANENT SPOILS DISPOSAL ON-SITE EXCEPT AS SHOWN ON THE PLANS.
10. ALL AREAS DISTURBED OR EXPOSED DURING CONSTRUCTION SHALL BE RESTORED WITH A MINIMUM OF 4 INCHES OF TOPSOIL.
11. STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED AT ALL POINTS WHERE CONSTRUCTION TRAFFIC IS EXITING THE PROJECT ONTO EXISTING PAVEMENT.

PHASE I
INSTALL EROSION CONTROLS.
REINFORCED SILT FENCES STABILIZED
CONSTRUCTION ENTRANCE/EXIT

PHASE II

MAINTAIN EXIST. EROSION CONTROLS, INSTALL INLET PROTECTION, ADD ADDITIONAL EROSION CONTROLS AS NEEDED.

PHASE III

MAINTAIN EXIST. EROSION CONTROLS, MODIFY INLET PROTECTION TO METHOD COMPATIBLE WITH PAVEMENT. ADD ADDITIONAL CONTROLS AS NEEDED FOR CONSTRUCTION ACTIVITIES.

PHASE III

REPLACE SILT FENCE INLET PROTECTION WITH BLOCK AND GRAVEL PROTECTION, OR GRAVEL AND SCREEN INLET PROTECTION AROUND ALL COMPLETED STORM DRAIN INLETS ON SITE.

PHASE IV

REVEGETATE ALL DISTURBED AREAS NOT COVERED IN THE LANDSCAPE PLAN. ESTABLISH MIN. COVER OF 70% OF THE NATIVE BACKGROUND COVER. REMOVE EROSION CONTROLS WHEN 70% MIN. COVER HAS BEEN ESTABLISHED.

PHASE I	SITE CLEARING & GRADING
PHASE II	SITE UTILITIES & STORM DRAIN CONSTRUCTION
PHASE III	PAVING, BUILDING, AND LANDSCAPE & IRRIGATION
PHASE IV	FINAL STABILIZATION

CONSTRUCTION NOTES

1. REFERENCE THE STANDARD DETAILS ON SHEETS C7.01-C7.02 FOR ADDITIONAL NOTES.
2. PLANS WERE PREPARED BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY SMITH & WEILAND SURVEYORS AND ENGINEERS IN DECEMBER 2025.
3. REFER TO UTILITY AND GRADING PLANS FOR UTILITY LOCATION AND FINAL GRADING. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS, CONTACT THE DESIGN CONSULTANT FOR DIRECTION ON HOW TO PROCEED.
4. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY HAVE NOT BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN CONSULTANT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH HIS SUBCONTRACTORS TO ACCOMPLISH HIS SCOPE OF WORK. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES WORKING ON THE SITE SIMULTANEOUSLY.
6. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ACCESS TO THE CONSTRUCTION SITE, SUBJECT TO APPROVAL FROM THE OWNER.
7. WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
8. EXISTING UTILITIES SHOWN ARE TAKEN FROM AVAILABLE RECORDS PROVIDED BY THE UTILITY OWNER AND FIELD LOCATIONS OF SURFACE APPURTENANCES. LOCATIONS SHOWN ARE GENERALLY SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT THE SIZE AND LOCATION OF EACH PARTICULAR UTILITY. SOME UTILITY LINES MAY NOT BE SHOWN. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING FACILITIES WHETHER SHOWN OR NOT. CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES, WHETHER SHOWN OR NOT, IF DAMAGED BY CONTRACTOR'S ACTIVITIES. DIFFERENCES IN HORIZONTAL OR VERTICAL LOCATION OF EXISTING UTILITIES SHALL NOT BE A BASIS FOR ADDITIONAL EXPENSE.
9. THE CONTRACTOR SHALL ADOPT APPROPRIATE CONSTRUCTION SITE MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF OILS, GREASE, PAINTS, GASOLINE AND OTHER POLLUTANTS TO STORM WATER. APPROPRIATE PRACTICES CAN INCLUDE:

   DESIGNATING AREAS FOR EQUIPMENT MAINTENANCE AND REPAIR;

   REGULAR COLLECTION OF WASTE;

   CONVENIENTLY LOCATED TRASH RECEPTACLES; AND

   DESIGNATING AND CONTROLLING EQUIPMENT WASHDOWN.

   THE ACCESS AND WORK AREAS SHALL BE SECURED DURING NON-WORKING HOURS.
10. BARRICADING AND TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". TRAFFIC FLOW AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF THE CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC SAFETY MEASURES FOR WORK ON PROJECT.
11. AS NEEDED, CONSTRUCTION TRAFFIC ROUTES SHALL BE COORDINATED WITH ARDOT PRIOR TO CONSTRUCTION. ALL COMPACTED AREAS DUE TO CONSTRUCTION SHALL BE AERATED AND REVEGETATED TO ORIGINAL CONDITION AT NO EXPENSE TO THE CLIENT.
12. CONTRACTOR SHALL NOTIFY OWNER AND DESIGN CONSULTANT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE INSPECTION SCHEDULES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS AND SHALL PERFORM FIELD MEASUREMENTS PRIOR TO FABRICATION AND/OR PURCHASE OF MATERIAL AND SHALL CONTACT THE DESIGN CONSULTANT, SHOULD EXISTING CONDITIONS BE DIFFERENT FROM THE DESIGN DRAWINGS FOR THIS PROJECT. CONFLICTS ARISING DUE TO LACK OF COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
14. ANY REQUIRED CHANGES TO THE DRAWINGS RESULTING FROM THE ACCEPTANCE OF CONTRACTOR'S ALTERNATES AND/OR SUBSTITUTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE DESIGN CONSULTANT AND THE OWNER FOR APPROVAL.
15. THE CONTRACTOR SHALL COORDINATE THE STORING OF MATERIALS, PARKING OF VEHICLES AND RESTRICTIONS OF WORK AND ACCESS WITH THE OWNER. UNDER NO CIRCUMSTANCES SHALL ANY CONTRACTOR STORE MATERIALS OR PARK VEHICLES UNDER THE CANOPY OF EXISTING TREES.
16. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE ORDINANCES AND LOCAL CODES. REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR.
17. UNIT PRICES SHALL NOT ONLY INCLUDE THE COST OF THE ITEM BUT ALSO ALL LABOR, EQUIPMENT, AND OTHER MATERIALS ASSOCIATED WITH AND NECESSARY TO DELIVER THE ITEM COMPLETE AS DOCUMENTED IN THE DRAWINGS.
18. ALL CONSTRUCTION COVERED BY THESE CONTRACT DOCUMENTS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF ALL APPLICABLE CITY AND OSHA CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO THE UNIFORM BUILDING CODE, ENACTED BY THE CONFERENCE OF BUILDING OFFICIALS, MOST RECENT EDITION, AND AMENDMENTS AS ADOPTED BY LOCAL GOVERNMENT.
19. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS UNLESS OTHERWISE NOTED.
20. CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REMOVAL OF TRASH AND REPAIR OF HAZARDOUS CONDITIONS (IE. TOOLS, OPEN EXCAVATIONS, ETC.) ON A DAILY BASIS BY END OF THE WORK DAY.
21. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO THE FINAL APPROVAL, THE CONTRACTOR SHALL THOROUGHLY CLEAN UP THE PROJECT SITE OF ALL TRASH, SCRAPS, BRICK, ROCKS, MORTAR, ETC. AND REPAIR ALL DAMAGE TO FINISH GRADES INCLUDING TAILINGS FROM EXCAVATIONS, WHEEL RUTS, OR ANY SETTLING OR EROSION OCCURRING PRIOR TO COMPLETION.

PAVEMENT NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL TEMPORARY AND PERMANENT SIGNAGE MUST COMPLY WITH THE LATEST REVISION OF THE "ARKANSAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
3. ALL DISTURBED AREAS WITHIN STREET RIGHT-OF-WAY AND EASEMENTS NOT COVERED BY PAVEMENT OR STRUCTURES SHALL BE HYDRO-MULCHED AND WATERED UNTIL VEGETATION ESTABLISHMENT.
4. ALL EXISITING UTILITIES ARE SHOWN SCHEMATICALLY AND ARE FOR THE CONTRACTORS GUIDANCE ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE, AND MATERIAL OF ALL UTILITIES EFFECTED BY CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION.
5. ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF WEST MEMPHIS STANDARD SPECIFICATIONS AND GENERAL DESIGN STANDARDS.
6. PAVEMENT SHALL BE AS RECOMMENDED BY UES PROFESSIONAL SOLUTION 25, LLC REPORT NO. A25138.00362.001, DATED FEBRUARY 13, 2026:

   a. LIGHT-DUTY ASPHALT PAVEMENT: 2" ACHM SURFACE COURSE, 8" CRUSHED STONE BASE.

   b. HEAVY-DUTY ASPHALT PAVEMENT: 2" ACHM SURFACE COURSE, 2" ACHM BASE COURSE, 10" CRUSHED STONE BASE.

   c. LIGHT-DUTY CONCRETE PAVEMENT: 6" PCCP, 7" CRUSHED STONE BASE.

PREPARE SUBGRADE PER THE GEOTECHNICAL REPORT -

7. CONTRACTOR IS REQUIRED TO MAINTAIN TRAFFIC FLOW DURING CONSTRUCTION.
8. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
9. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES IN, OR OMISSIONS FROM THE PLANS, HE SHALL NOTIFY THE ENGINEER AT ONCE TO OBTAIN CLARIFICATION PRIOR TO STARTING CONSTRUCTION.
10. ADJUST ALL MANHOLE RIMS, WATER VALVES, CLEANOUTS, ETC. TO NEW PAVEMENT GRADES, UNLESS OTHERWISE NOTED.
11. CONTRACTOR'S WORK SHALL INCLUDE PAVEMENT REMOVAL AND PROPER LEGAL DISPOSAL OF DEBRIS REQUIRED FOR NEW WALKS, DRIVES, CURBS, GUTTERS AND OTHER PAVING AND CONCRETE FEATURES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, INSPECTION AND TESTING REQUIRED BY THE OWNER AND/OR THE CITY OF WEST MEMPHIS.
12. ALL FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST NINETY-FIVE (95%) PERCENT STANDARD PROCTOR AS PER ASTM D 698. MOISTURE CONTENT SHOULD BE WITHIN 4% OF OPTIMUM. LIFTS SHALL BE AS SPECIFIED PER THE SOILS LAB RECOMMENDATION AND AS APPROVED BY THE OWNER. ALL FILL SHALL BE TESTED AS INSTALLED AND CERTIFIED BY AN APPROVED SOILS LABORATORY.
13. THE CONTRACTOR SHALL PROCEED WITH PAVING NO MORE THAN SEVENTY-TWO (72) HOURS AFTER DENSITY / MOISTURE TESTS HAVE BEEN TAKEN AND PASSED BY A TESTING FIRM. COPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE CITY. IN THE EVENT PAVING OPERATIONS HAVE NOT COMMENCED WITHIN THE SEVENTY-TWO-(72) HOUR LIMIT, A RETEST SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
14. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY MONUMENTATION AND PRIMARY CONTROL. ANY SUCH POINTS WHICH THE CONTRACTOR BELIEVES WILL BE DESTROYED SHALL HAVE OFFSET POINTS ESTABLISHED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MONUMENTATION DESTROYED BY THE CONTRACTOR SHALL BE REESTABLISHED AT HIS/HER EXPENSE.
15. CONTRACTOR SHALL LOCATE AND ADJUST EXISTING UTILITY MANHOLE LIDS, CLEANOUTS, WATER VALVES AND OTHER SURFACE APPURTENANCES AS REQUIRED FOR NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE UTILITY ADJUSTMENTS WITH OTHER DISCIPLINES AND THE APPROPRIATE UTILITY AGENCIES AND PROVIDE FOR ALL FEES FOR PERMITS, CONNECTIONS, INSPECTIONS, ETC.
16. CONTRACTOR SHALL PROTECT EXISTING DRAINAGE OUTFALL STRUCTURES.

CONCRETE CONSTRUCTION NOTES

1. REFERENCE THE STANDARD DETAILS ON SHEETS C7.01-C7.02 FOR ADDITIONAL NOTES.
2. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," ACI 318-89 (REV. 92).
3. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A-615. SHALL BE GRADE 60.
4. STEEL REINFORCEMENT AND ACCESSORIES SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH ACI SP-66.
5. PORTLAND CEMENT SHALL BE A SINGLE BRAND CONFORMING TO ASTM C-150, TYPE I OR TYPE III.
6. NORMAL WEIGHT AGGREGATES SHALL CONFORM TO ASTM C-33. ALL CONCRETE SHALL USE NORMAL WEIGHT AGGREGATES, UNLESS NOTED OTHERWISE.
7. ALL ADDITIVES FOR AIR ENTRAINMENT, WATER REDUCTION, AND SET CONTROL SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
8. CONCRETE MIXES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
9. CONCRETE MIXES SHALL BE DESIGNED TO PROVIDE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4500 PSI. THE MAXIMUM WATER-TO-CEMENTITIOUS MATERIALS RATIO SHALL BE 0.57.
10. THE MAXIMUM NOMINAL SIZE OF COARSE AGGREGATE SHALL BE 1-1/2 INCH.
11. PERCENTAGE OF AIR ENTRAINMENT SHALL BE 4 1/2% PLUS OR MINUS 1 1/2%.
12. CONCRETE SLUMPS SHALL BE AS FOLLOWS:
    - CONCRETE PAVEMENT NOT LESS THAN 2" NOR MORE THAN 5", ASTM C143.
13. STEEL REINFORCEMENT SHALL BE PLACED AND SECURED IN ACCORDANCE WITH CRSI "RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS." METAL OR PLASTIC CHAIRS OR SPACERS (NOT WOOD BLOCKS OR BRICK BATS) TO PROVIDE SUPPORT FOR REINFORCING BARS.
14. MINIMUM CONCRETE PROTECTION FOR ALL REINFORCEMENT SHALL BE 2-INCH CLEAR COVER BETWEEN ANY CONCRETE SURFACE AND NEAREST EDGE OF ANY REBAR.
15. REINFORCING BARS SHALL BE CONTACT LAP SPLICED UNLESS SHOWN OTHERWISE. LAP SPLICES SHALL CONFORM TO ACI REQUIREMENTS, BUT SHALL IN NO CASE BE LESS THAN 40 BAR DIAMETERS LONG.
16. EXPANSION JOINTS SHALL BE SPACED A MAXIMUM OF 60 FEET AND BE PLACED WHERE PAVEMENT ABUTS ANY STRUCTURE.
17. MAXIMUM CONTROL JOINT SPACING SHALL BE AS FOLLOWS:
    - 5-INCH PAVEMENT: 12.5 FEET
    - 6-INCH, 7-INCH AND 8-INCH PAVEMENT: 15 FEET
    - WEAKENED PLANE JOINTS SHALL BE SPACED AT A MAXIMUM OF 15 FEET. SAWCUT CONTROL JOINTS SHALL BE CUT WITHIN 6 TO 12 HOURS OF CONCRETE PAVEMENT.
18. ALL SAWCUT SURFACES OF THE EXISTING PAVEMENT SHALL BE CLEANED AND COATED WITH AN APPROVED BONDING COMPOUND IMMEDIATELY BEFORE THE NEW CONCRETE IS PLACED.
19. THE NEW PAVEMENT SHALL BE FINISHED TO MATCH THE SURROUNDING PAVEMENT.
20. THE PAVEMENT SURFACE SHALL BE MOIST-CURED WITH A MEMBRANE OR CURING COMPOUND FOR NOT LESS THAN 7 DAYS.
21. PROVIDE CONSTRUCTION JOINTS AT END OF EACH DAY'S WORK OR WHEN CONCRETE PLACEMENT IS STOPPED MORE THAN 1/2 HOUR.
22. EXPANSION JOINT FILLER SHALL BE PER THE STANDARD DETAILS.
23. SEALANT SHALL BE PER THE STANDARD DETAILS.
24. CONCRETE FORM WORK AND REINFORCEMENT - THE CONTRACTOR SHALL NOTIFY THE DESIGN CONSULTANT AND/OR OWNER'S INSPECTOR A MINIMUM OF 24 HOURS PRIOR TO THE PLANNED PLACEMENT OF CONCRETE.
25. ANY CONCRETE PLACED WITH AN IMPROPER FINISH SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE (NO COST TO THE OWNER).
26. ALIGNMENT AND TANGENCY OF PAVEMENTS - THE EDGES OF ALL FINISHED PAVING SHALL BE STRAIGHT OR SMOOTH CURVES (AS DELINEATED ON THE PLANS) WITH NO INTERRUPTIONS SUCH AS CHORDS, WAVES, JOGS, OR MISSED TANGENTS. PAVEMENTS WITH SUCH INTERRUPTIONS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE (NO COST TO THE OWNER).
27. NO CONCRETE COLD JOINTS ARE ACCEPTABLE UNLESS APPROVED BY THE DESIGN CONSULTANT / OWNER.
28. NO CONCRETE SHALL BE PLACED IN INCLEMENT WEATHER AS SPECIFIED IN THE CITY'S STANDARD CONSTRUCTION SPECIFICATIONS.
29. CONTRACTOR IS NOT TO PLACE ASPHALT PRODUCTS ON GROUND WITHIN 48 HOURS OF FORECASTED RAIN.

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CERTIFICATE OF AUTHORIZATION
HALFF ASSOCIATES INC.
#1470
ARKANSAS-ENGINEER

SEAL

No. 21446
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

ARCHITECT

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TBAE REG. No. BR 4215

CONSULTANT

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5704 EUPER LN.
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FORT SMITH, AR 72903
TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV.
West Memphis, AR 72301

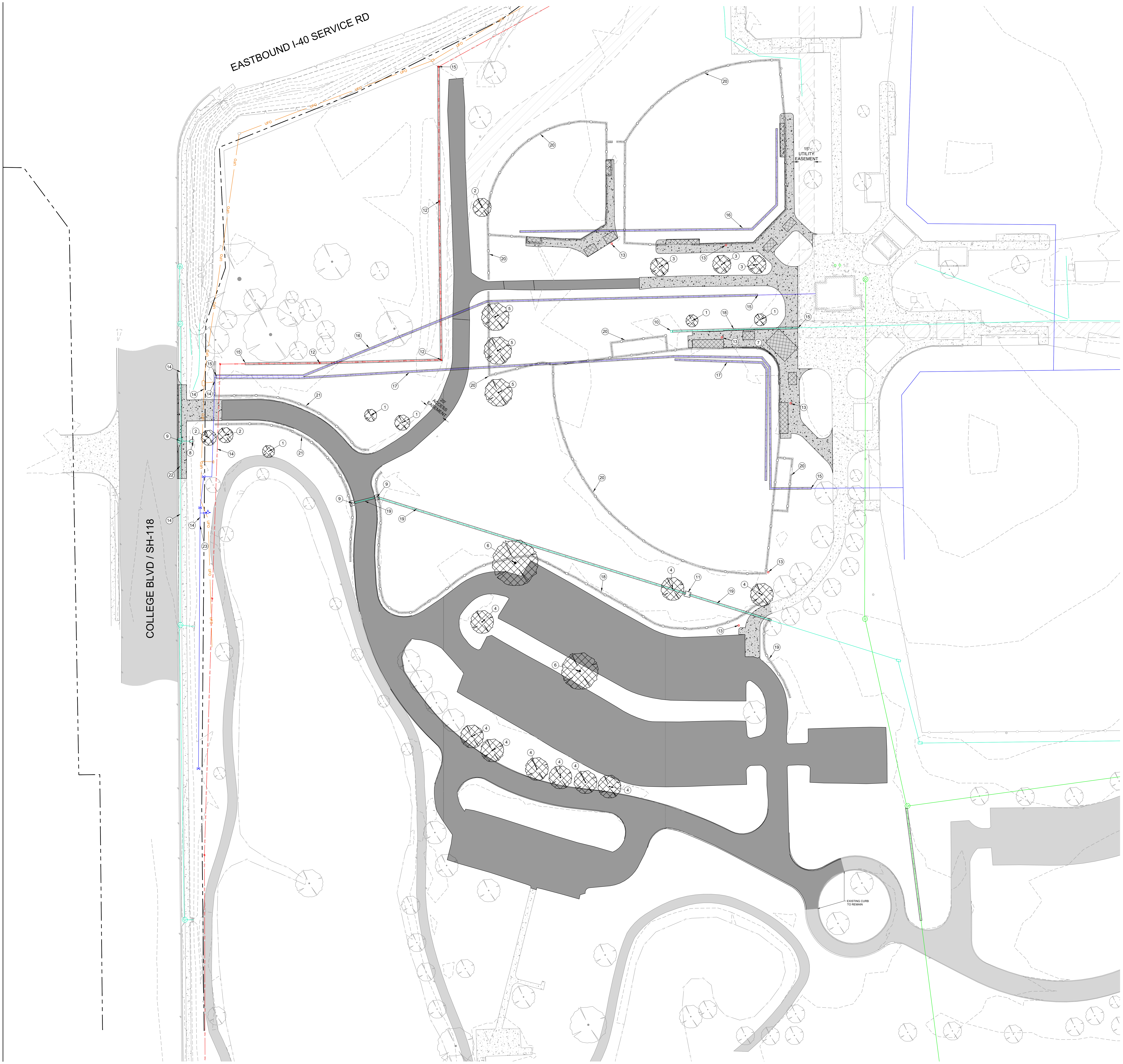
JOB No.: WESCIT00561

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

C0.00



N

0 15 30 60
SCALE IN FEET

LEGEND

▨	EXISTING CONCRETE PAVEMENT AND CURB TO BE REMOVED AND DISPOSED	▨	EXISTING CONCRETE TO REMAIN
■	EXISTING ASPHALT AND CONCRETE CURB TO BE REMOVED AND DISPOSED	■	EXISTING ASPHALT TO REMAIN
▩	MISC STRUCTURES TO BE REMOVED AND DISPOSED	▧	EXISTING BUILDINGS TO REMAIN
⊗	TREE TO BE REMOVED	○	EXISTING TREES TO REMAIN
⊕	FIRE HYDRANT	Ⓦ	WATER METER
☼	LIGHT POLE TO BE REMOVED	⋈	WATER VALVE

- ▩ REMOVE EXISTING UTILITY
- —— UFO —— UFO —— COMMUNICATION LINES
- ——— UNDERGROUND ELECTRIC
- —— OHU —— OHU —— OVERHEAD ELECTRIC
- ——— STORM SEWER
- ——— WATER LINE
- ——— SANITARY SEWER

NOTES:

1. SEE SHEET C0.00 GENERAL NOTES SHEET FOR EXISTING CONDITIONS AND DEMOLITION PLAN NOTES.

KEY NOTES:

① REMOVE AND DISPOSE EXISTING 8" TREE
② REMOVE AND DISPOSE EXISTING 10" TREE
③ REMOVE AND DISPOSE EXISTING 12" TREE
④ REMOVE AND DISPOSE EXISTING 15" TREE
⑤ REMOVE AND DISPOSE EXISTING 18" TREE
⑥ REMOVE AND DISPOSE EXISTING 24" TREE
⑦ REMOVE AND DISPOSE 63LF CONCRETE HALF WALL
⑧ REMOVE AND DISPOSE FLARED END SECTION
⑨ REMOVE AND DISPOSE EXISTING CURB INLET
⑩ REMOVE AND DISPOSE EXISTING STORM INLET
⑪ REMOVE AND DISPOSE EXISTING STORM JUNCTION BOX
⑫ REMOVE AND DISPOSE EXISTING UTILITY FACILITIES (BY OTHERS)
⑬ REMOVE AND DISPOSE EXISTING LIGHTPOLE
⑭ EXISTING UTILITIES TO REMAIN
⑮ EXISTING UTILITIES TO REMAIN AND BE RECONNECTED (SEE UTILITY PLAN)
⑯ REMOVE AND DISPOSE APPROXIMATELY 894 LF OF 2" WATER PIPE
⑰ REMOVE AND DISPOSE APPROXIMATELY 923 LF OF 6" WATER PIPE
⑱ REMOVE AND DISPOSE APPROXIMATELY 125 LF OF 12" STORM PIPE
⑲ REMOVE AND DISPOSE APPROXIMATELY 425 LF OF 18" STORM PIPE
⑳ REMOVE AND DISPOSE APPROXIMATELY 2188 LF OF CHAINLINK FENCE
㉑ REMOVE AND DISPOSE APPROXIMATELY 1077 LF OF WOOD FENCE
㉒ REMOVE AND DISPOSE APPROXIMATELY 64 SF OF LANDSCAPE
㉓ EXISTING 12" WATER LINE

811
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JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

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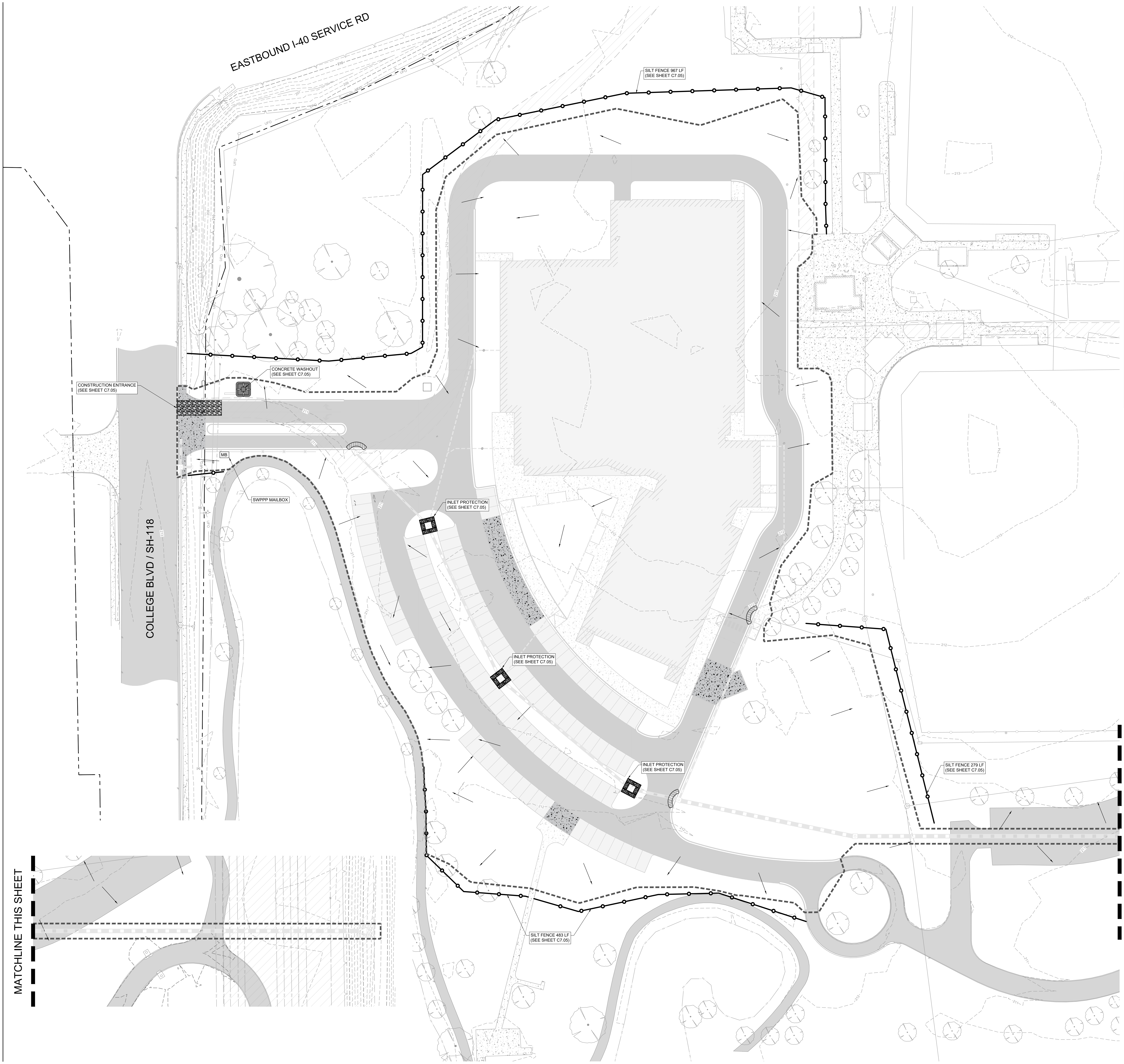
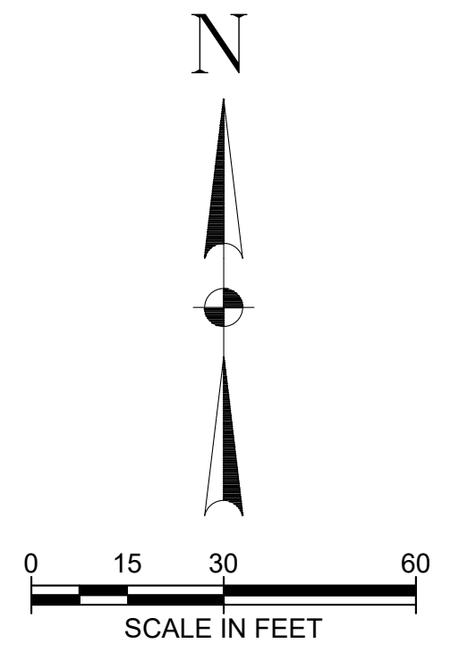
SHEET TITLE

EXISTING CONDITIONS & DEMOLITION PLAN

SHEET NUMBER

C1.00


EASTBOUND I-40 SERVICE RD
COLLEGE BLVD / SH-118
SILT FENCE 967 LF (SEE SHEET C7.05)
CONSTRUCTION ENTRANCE (SEE SHEET C7.05)
CONCRETE WASHOUT (SEE SHEET C7.05)
MB
SWPPP MAILBOX
INLET PROTECTION (SEE SHEET C7.05)
INLET PROTECTION (SEE SHEET C7.05)
INLET PROTECTION (SEE SHEET C7.05)
SILT FENCE 279 LF (SEE SHEET C7.05)
SILT FENCE 483 LF (SEE SHEET C7.05)
MATCHLINE THIS SHEET
MATCHLINE THIS SHEET



LEGEND

- PROPOSED LIMITS OF DISTURBANCE (± 7.8 ACRES)
- SILT FENCE
- PROPOSED CONCRETE WASHOUT
- MB SWPPP MAILBOX
- SLOPE ARROW
- CONSTRUCTION ENTRANCE
- INLET PROTECTION
- GRAVEL FILTER INLET PROTECTION

NOTES:

1. SEE SHEET C0.00 GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
2. EROSION CONTROL TO BE ESTABLISHED FOR PROPOSED CONSTRUCTION.
3. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN CALENDAR DAYS FOR THE SURFACE OF ALL PERIMETER SLOPES
4. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR EVERY 14 DAYS AND AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-QUARTER INCH (0.25"). DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
5. PROVIDE TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, INLET PROTECTION, AND OTHER EROSION CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING ALL PHASES OF CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED OF DEBRIS, FINISH GRADED, AND STABILIZED WITH PERMANENT VEGETATION IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION.
6. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED UNTIL THE COMPLETION OF ALL PHASES OF CONSTRUCTION AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/0R OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE PERMANENT VEGETATION IS ESTABLISHED.
7. ALL AREAS NOT TO BE PAVED OR LANDSCAPE BEDS SHALL BE SEEDED OR SODDED. REFER TO THE LANDSCAPE PLAN.
8. THE CONTRACTOR SHALL INSPECT, REPAIR, AND ADD STONE TO THE STABILIZED CONSTRUCTION ENTRANCE WHEN IT BECOMES SATURATED WITH MUD TO ENSURE IT WORKS AS INTENDED.
9. DUST CONTROL ON-SITE SHALL BE MINIMIZED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.
10. IF THE MAJORITY OF MUD OR DIRT IS NOT REMOVED FROM TRAFFIC EXITS, CONTRACTOR SHALL ESTABLISH ADDITIONAL VEHICLE WASH AREAS AT CONSTRUCTION TRAFFIC EXIT POINTS. RINSE-OFF WILL NOT BE ALLOWED OUTSIDE THE PROJECT CONSTRUCTION LIMITS.
11. ALL EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH GOVERNING AUTHORITIES AND MAINTAINED AS PART OF THIS CONTRACT. CONTRACTOR TO INSTALL EROSION CONTROL IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN AS A MINIMUM. OTHER MEASURES MAY BE REQUIRED TO ASSURE THAT SILT IS CONTROLLED ON-SITE.

NOTE TO CONTRACTOR:
ALL EROSION CONTROL SHOWN FUNCTIONS AS A GUIDE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE REQUIREMENTS OF THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY'S GENERAL PERMIT ARE MAINTAINED. ACTUAL EROSION CONTROL DEVICES MAY VARY DUE TO THE CONTRACTOR'S SEQUENCE OF DEMOLITION AND CONSTRUCTION. ADDITIONAL MEASURES MAY BECOME NECESSARY DURING CONSTRUCTION

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JOB INFO

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RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

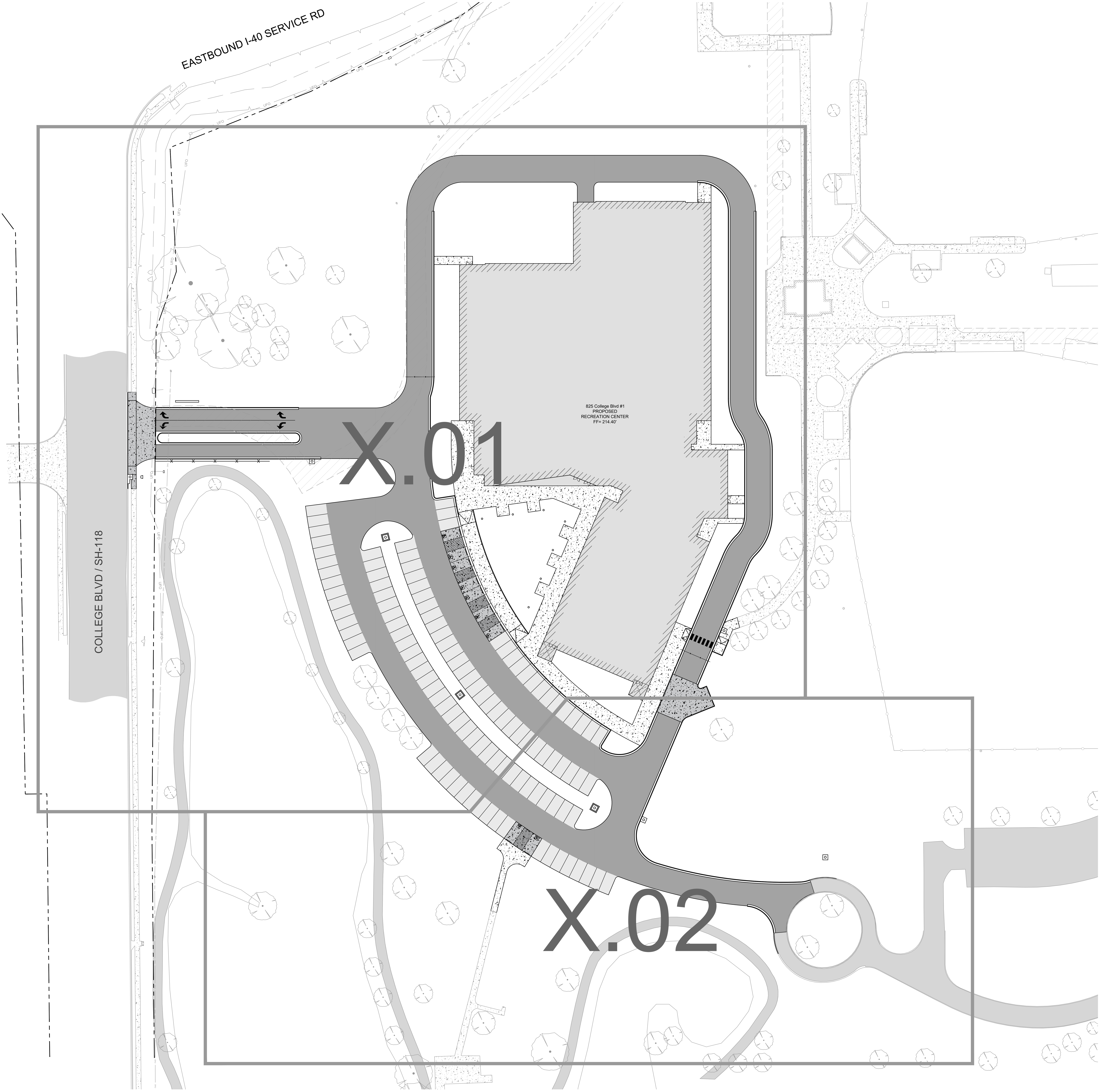
JOB No.: WESCIT00561

SHEET TITLE

EROSION
CONTROL PLAN

SHEET NUMBER

C2.00



LEGEND

▨	PROPOSED CONCRETE	▨	EXISTING CONCRETE
▨	PROPOSED ASPHALT	▨	EXISTING ASPHALT
▨	PROPOSED BUILDINGS	▨	EXISTING BUILDINGS

- EXISTING TREE
- ☼ EXISTING LIGHT POLE
- ⌀ EXISTING POWER POLE
- UFO — COMMUNICATION LINES
- OHU — OVERHEAD ELECTRIC
- FENCE
- DITCH CENTERLINE
- TOP OF DITCH
- TOE OF POND

NOTES:

1. SEE SHEET C0.00 GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING ALL PHASES OF CONSTRUCTION OF THIS SITE. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO CONSTRUCTION WORKING HOURS.
3. NO LAND CLEARING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL CONTRIBUTING AREAS ARE GRADED AND STABILIZED.
4. ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH, AND RECEIVE 4" OF TOPSOIL AND SOD. SEE LANDSCAPE PLANS FOR FINAL SURFACE FINISH MATERIAL.
5. NO FINISHED GRADE SLOPE SHALL EXCEED 3:1.
6. ALL FACE-OF-CURB RADII ARE 3' UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED WITH THE PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
8. PAVEMENT RECOMMENDATIONS PROVIDED BASED ON UES EXPLORATION REPORT DATED JANUARY 27, 2026. REFERENCE REPORT FOR COMPLETE PAVING CONSIDERATIONS. CONTRACTOR SHALL CONTACT THE DESIGN TEAM IF ANY DISCREPANCIES ARE NOTED BETWEEN THESE PLANS AND THE GARNER ENGINEERING REPORT.
   - 8.1. REFERENCE SOILS REPORT FOR PAVEMENT REINFORCING RECOMMENDATIONS.

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ARKANSAS-ENGINEER

SEAL

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West Memphis, AR 72301

JOB No.: WESCIT00561

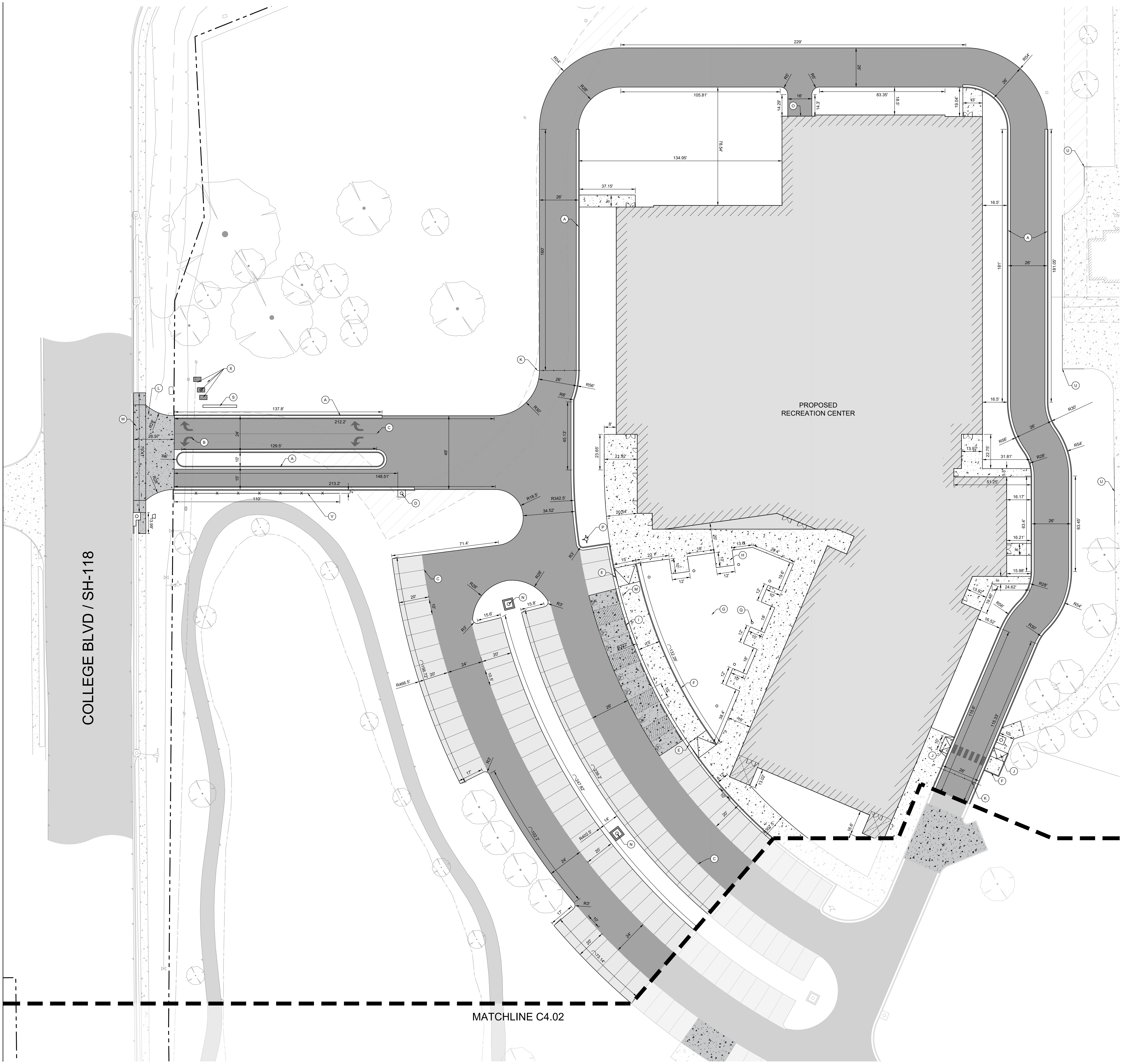
SHEET TITLE

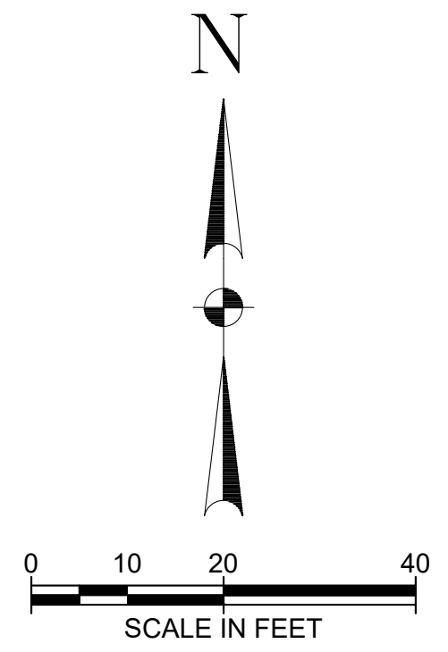
OVERALL
SITE PLAN

SHEET NUMBER

C3.00

FILE PATH: A:\61000s\61407\001\LD\CADD\Sheets\61407-C-SITE-OVERALL.dwg
DATE PRINTED: 4/17/2026 4:37:46 PM





LEGEND

▨	LIGHT DUTY CONCRETE *(6" PCC, 7" Crushed Stone Base)*	▨	EXISTING CONCRETE
▨	HEAVY-DUTY ASPHALT *(2" Surface Course, 2" Binder, 10" Crushed Stone Base)*	▨	EXISTING ASPHALT
▨	LIGHT-DUTY ASPHALT *(2" Surface Course, 8" Crushed Stone Base)*	▨	EXISTING BUILDINGS
▨	SIDEWALK CONCRETE *(4" PCC)* *(SEE SHEET C7.04)*	▨	PROPOSED BUILDINGS

NOTES:

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KEY NOTES:

Ⓐ	CURB AND GUTTER (TYPE A) (SEE SHEET C7.04)
Ⓑ	PAINTED TRAFFIC ARROWS (SEE SHEET C7.04)
Ⓒ	4" WHITE SOLID TY II PAVEMENT MARKING (SEE SHEET C7.04)
Ⓓ	4'X4' CURB INLET (SEE SHEET (SEE SHEET C7.01 & C7.02)
Ⓔ	CURB TAPER (6" CURB TO NO CURB) (SEE SHEET C7.04)
Ⓕ	6" CURB (SEE SHEET C7.04)
Ⓖ	COURTYARD (SEE ARCH PLAN FOR DETAILS)
Ⓗ	CONCRETE LANDINGS (SEE ARCH PLAN FOR DETAILS)
Ⓘ	PARKING WHEEL STOPS (SEE SHEET C7.03)
Ⓙ	SIDEWALK ADA RAMP (SEE SHEET C7.04)
Ⓚ	FIRE ACCESS GATE (SEE ARCH PLAN FOR DETAILS)
Ⓛ	ARDOT DR-1 DRIVEWAY (SEE SHEET C7.04)
Ⓜ	ADA PARKING SIGNAGE (SEE ARCH PLAN FOR DETAILS)
Ⓝ	4'X4' AREA INLET WITH COLLAR (SEE SHEET C7.01 & C7.02)
Ⓞ	LOADING DOOR (SEE ARCH PLAN FOR DETAILS)
Ⓟ	FIRE HYDRANT (SEE SHEET C7.03)
Ⓠ	18" NYPLAST DRAINAGE BASIN (TYP.) (SEE SHEET C7.01 & C7.02)
Ⓡ	EXPOSED BUILDING SLAB AREA
Ⓢ	MONUMENT SIGN (SEE ARCH PLAN FOR DETAILS)
Ⓣ	4'X4' CURB INLET W/ 4' EXT. (SEE SHEET C7.01 & C7.02)
Ⓤ	SAWCUT EDGE
Ⓥ	ROADWAY GUARDRAIL 110 LF (SEE SHEET C7.05)
Ⓦ	ARDOT DR-1 DRIVEWAY (SEE SHEET C7.01)
Ⓧ	WATER APPURTENANCES (SEE SHEET C6.01)
Ⓨ	EXPOSED BUILDING SLAB AREA

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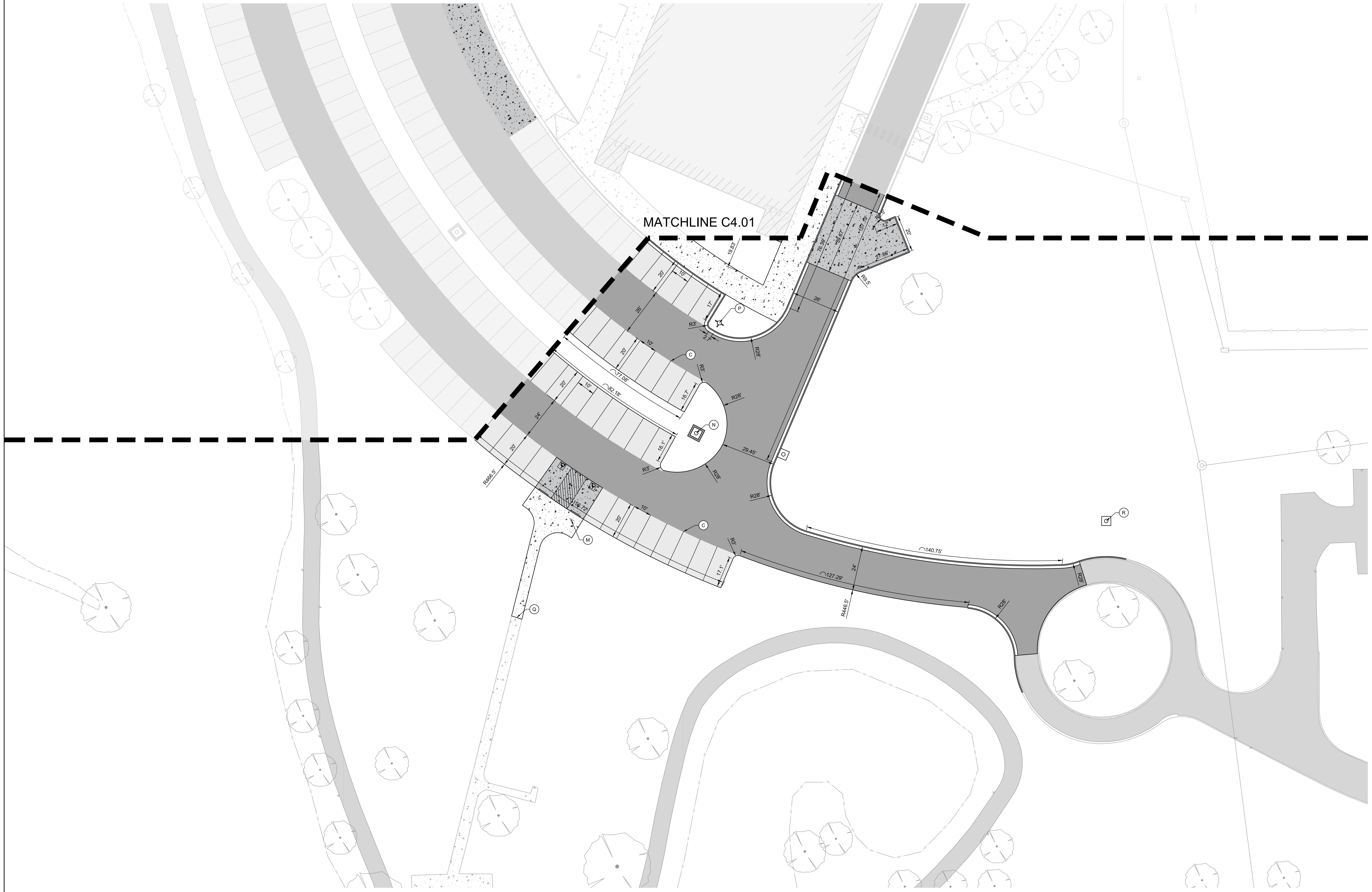
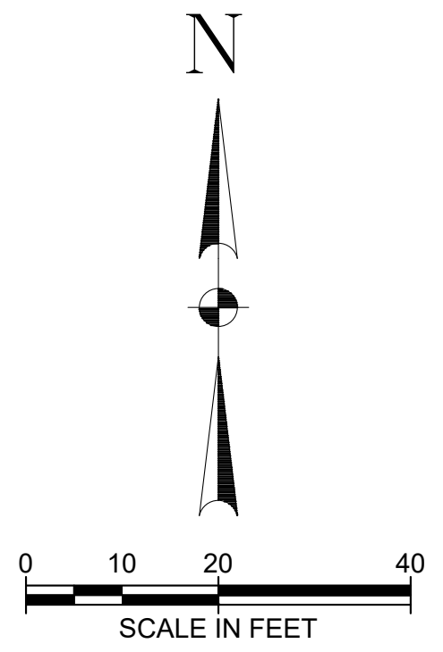
PAVING &
DIMENSIONAL
CONTROL PLAN

SHEET NUMBER

C4.01





LEGEND

▨	LIGHT DUTY CONCRETE *(6" PCC, 7" Crushed Stone Base)*	▨	EXISTING CONCRETE
■	HEAVY-DUTY ASPHALT *(2" Surface Course, 2" Binder, 10" Crushed Stone Base)*	■	EXISTING ASPHALT
□	LIGHT-DUTY ASPHALT *(2" Surface Course, 8" Crushed Stone Base)*	▨	EXISTING BUILDINGS
▨	SIDEWALK CONCRETE *(4" PCC)* *(SEE SHEET C7.04)*	▨	PROPOSED BUILDINGS

NOTES:

1. SEE SHEET C0.00 GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING ALL PHASES OF CONSTRUCTION OF THIS SITE. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO CONSTRUCTION WORKING HOURS.
3. NO LAND CLEARING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL CONTRIBUTING AREAS ARE GRADED AND STABILIZED.
4. ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH, AND RECEIVE 4" OF TOPSOIL AND SOD. SEE LANDSCAPE PLANS FOR FINAL SURFACE FINISH MATERIAL.
5. NO FINISHED GRADE SLOPE SHALL EXCEED 3:1.
6. ALL FACE-OF-CURB RADII ARE 3' UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED WITH THE PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
8. PAVEMENT RECOMMENDATIONS PROVIDED BASED ON UES EXPLORATION REPORT DATED JANUARY 27, 2026. REFERENCE REPORT FOR COMPLETE PAVING CONSIDERATIONS. CONTRACTOR SHALL CONTACT THE DESIGN TEAM IF ANY DISCREPANCIES ARE NOTED BETWEEN THESE PLANS AND THE GARNER ENGINEERING REPORT.
   8.1. REFERENCE SOILS REPORT FOR PAVEMENT REINFORCING RECOMMENDATIONS.

KEY NOTES:

Ⓒ	4" WHITE SOLID TY II PAVEMENT MARKING (SEE SHEET C7.04)
Ⓘ	PARKING WHEEL STOPS (SEE SHEET C7.03)
Ⓜ	ADA PARKING SIGNAGE (SEE SHEET C7.03)
Ⓝ	4'X4' AREA INLET WITH COLLAR (SEE SHEET C7.01 & C7.02)
Ⓟ	FIRE HYDRANT (SEE SHEET C6.02)
Ⓠ	CONNECT TO EXISTING CONCRETE
Ⓡ	4'X4' JUNCTION BOX (SEE SHEET C7.01 & C7.02)
Ⓢ	DUMPSTER ENCLOSURE

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CERTIFICATE OF AUTHORIZATION
HALFF ASSOCIATES INC.
#1470
ARKANSAS-ENGINEER

SEAL

BRANDON JOSEPH HEBERT
No. 21446
Brandon Hebert
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

№.	DATE	DESCRIPTION
1	2026-03-06	ISSUE FOR SITE PERMIT

ARCHITECT

PROJECT LUONG
HOUSTON +1 346 708 8241 820 Gessner Rd., Suite 775, Houston, TX 77024
SAN ANTONIO +1 726 245 1378 700 N. St. Mary's St., Suite 1400, San Antonio, TX 78205
SANTA MONICA +1 213 394 7230 730 Arizona Ave., Santa Monica, CA 90401
Projectluong.com
TBAE REG. No. BR 4215

CONSULTANT

halff
5704 EUPER LN.
SUITE 200
FORT SMITH, AR 72903
TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

PAVING & DIMENSIONAL CONTROL PLAN

SHEET NUMBER

C4.02

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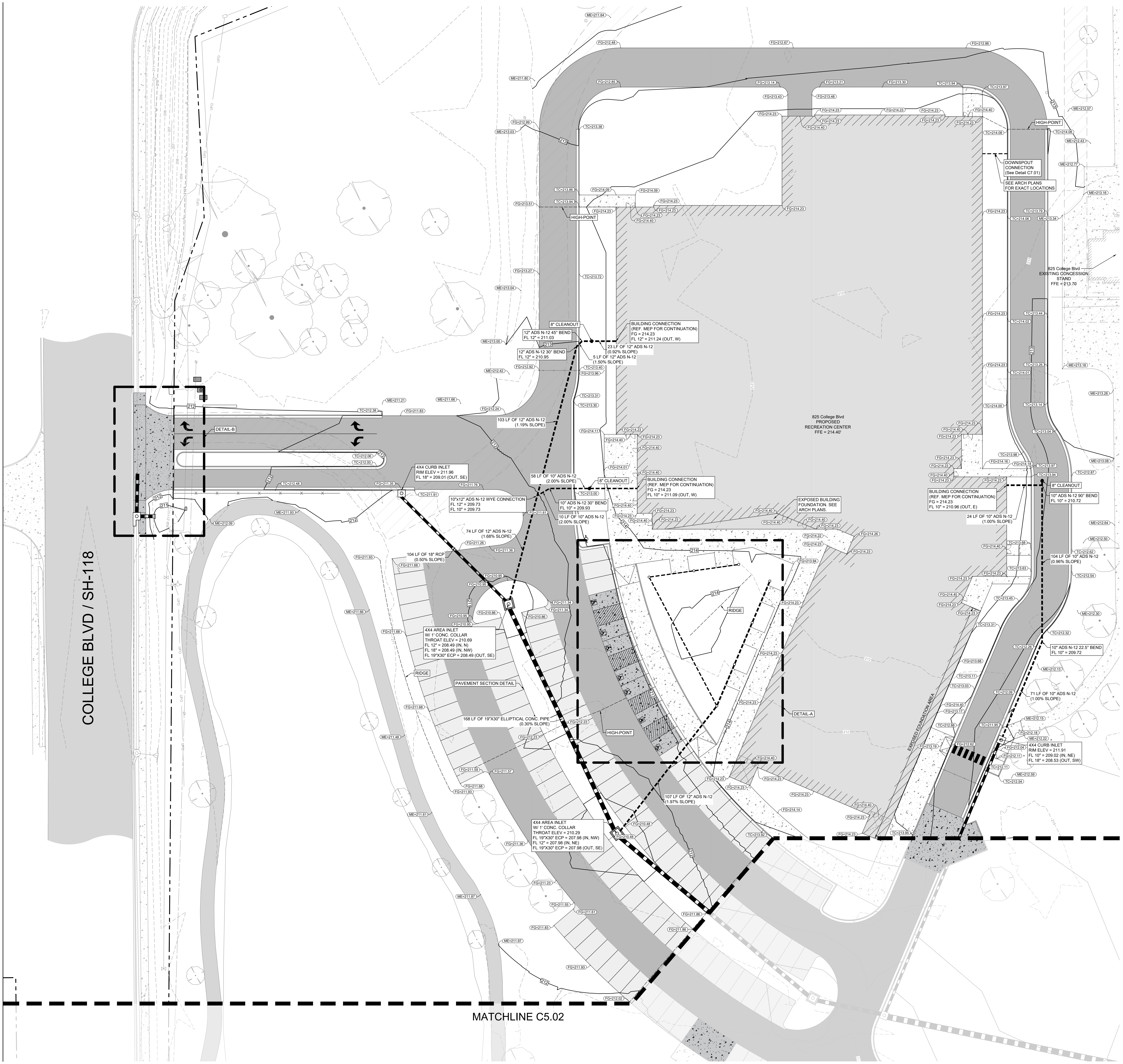
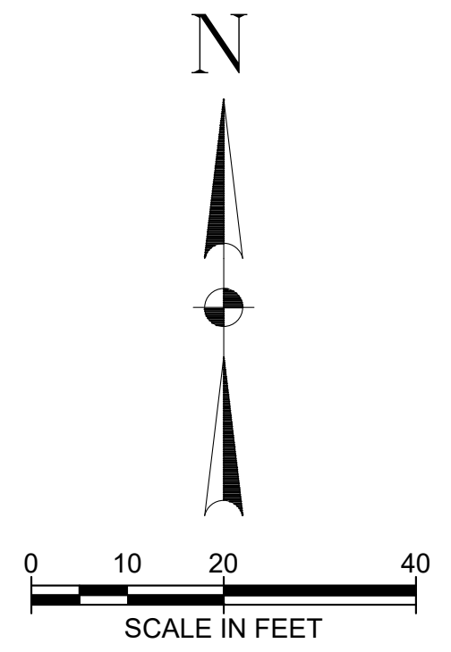

COLLEGE BLVD / SH-118
MATCHLINE C5.02
DETAIL-B
DETAIL-A
RIDGE
HIGH-POINT
PAVEMENT SECTION DETAIL
825 College Blvd
PROPOSED
RECREATION CENTER
FFE = 214.40'
825 College Blvd
EXISTING CONCESSION
STAND
FFE = 213.70
EXPOSED FOUNDATION AREA
EXPOSED BUILDING FOUNDATION. SEE ARCH PLANS.
DOWNSPOUT CONNECTION (See Detail C7.01)
SEE ARCH PLANS FOR EXACT LOCATIONS
8" CLEANOUT
12" ADS N-12 45° BEND
FL 12" = 211.03
12" ADS N-12 30° BEND
FL 12" = 210.95
BUILDING CONNECTION
(REF. MEP FOR CONTINUATION)
FG = 214.23
FL 12" = 211.24 (OUT, W)
23 LF OF 12" ADS N-12
(0.92% SLOPE)
5 LF OF 12" ADS N-12
(1.50% SLOPE)
103 LF OF 12" ADS N-12
(1.19% SLOPE)
4X4 CURB INLET
RIM ELEV = 211.96
FL 18" = 209.01 (OUT, SE)
58 LF OF 10" ADS N-12
(2.00% SLOPE)
BUILDING CONNECTION
(REF. MEP FOR CONTINUATION)
FG = 214.23
FL 10" = 211.09 (OUT, W)
10"X12" ADS N-12 WYE CONNECTION
FL 12" = 209.73
FL 10" = 209.73
10" ADS N-12 30° BEND
FL 10" = 209.93
10 LF OF 10" ADS N-12
(2.00% SLOPE)
74 LF OF 12" ADS N-12
(1.68% SLOPE)
104 LF OF 18" RCP
(0.50% SLOPE)
4X4 AREA INLET
W/ 1' CONC. COLLAR
THROAT ELEV = 210.69
FL 12" = 208.49 (IN, N)
FL 18" = 208.49 (IN, NW)
FL 19"X30" ECP = 208.49 (OUT, SE)
168 LF OF 19"X30" ELLIPTICAL CONC. PIPE
(0.30% SLOPE)
107 LF OF 12" ADS N-12
(1.97% SLOPE)
4X4 AREA INLET
W/ 1' CONC. COLLAR
THROAT ELEV = 210.29
FL 19"X30" ECP = 207.98 (IN, NW)
FL 12" = 207.98 (IN, NE)
FL 19"X30" ECP = 207.98 (OUT, SE)
BUILDING CONNECTION
(REF. MEP FOR CONTINUATION)
FG = 214.23
FL 10" = 210.96 (OUT, E)
24 LF OF 10" ADS N-12
(1.00% SLOPE)
10" ADS N-12 90° BEND
FL 10" = 210.72
104 LF OF 10" ADS N-12
(0.96% SLOPE)
10" ADS N-12 22.5° BEND
FL 10" = 209.72
71 LF OF 10" ADS N-12
(1.00% SLOPE)
4X4 CURB INLET
RIM ELEV = 211.91
FL 10" = 209.02 (IN, NE)
FL 18" = 208.53 (OUT, SW)


N
0
10
20
40
SCALE IN FEET

LEGEND

▭	ASPHALT	▨	PROPOSED BUILDING
▩	CONCRETE	░	CONCRETE (OTHER)
○	EXISTING TREES		

400	PROPOSED CONTOUR
400	EXISTING CONTOUR
TC=???	TOP OF CURB ELEVATION
FG=???	FINISHED GRADE ELEVATION
ME=???	MATCH EXISTING ELEVATION
TC/ME=???	TOP OF CURB/MATCH EXISTING ELEVATION

NOTES:

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2. NO LAND CLEARING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL CONTRIBUTING AREAS ARE GRADED AND STABILIZED.
3. ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH, RECEIVE 4" TOPSOIL AND SOD, OR AS IDENTIFIED IN THE LANDSCAPING PLAN.
4. NO FINISHED GRADE SLOPES SHALL EXCEED 3:1.
5. ALL SOILS UNDER THE BUILDING AND PAVEMENT SHALL INSTALLED PER THE GEOTECHNICAL REPORT. CONTRACTOR TO COORDINATE TESTING AND OBSERVATION WITH THE GEOTECHNICAL ENGINEER.
6. REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION OF ROOF DISCHARGE LOCATIONS. ROOF DRAINS SHALL BE 6" UNLESS OTHERWISE NOTED.
7. CONTRACTOR TO ENSURE A.D.A. COMPLIANCE FOR GRADES IN ALL SIDEWALK ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE, AND NOT TO EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS.
8. FINISHED GRADE DEPICTED WITHIN GREENSPACE AREAS SHALL BE TOP OF SOD ELEVATION. CONTRACTOR TO ENSURE RUNOFF IS ABLE TO SHEETFLOW OFF PARKING LOTS INTO GREENSPACE, WHERE NOTED, AND SHALL NOT LET FINISHED SOD PLACEMENT BE A HINDRANCE TO THAT FLOW.

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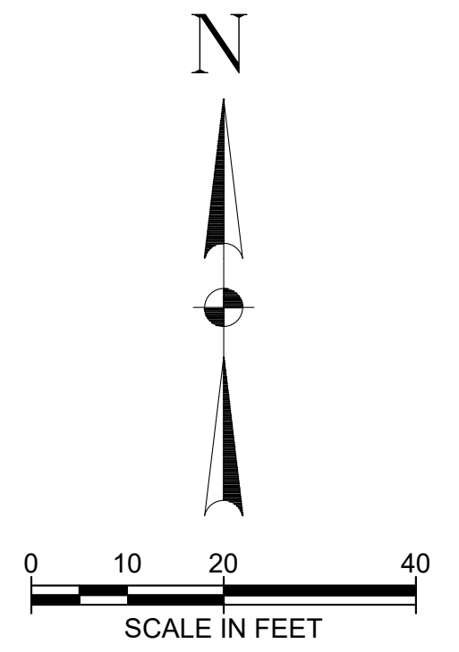
SHEET TITLE

GRADING &
DRAINAGE PLAN

SHEET NUMBER

C5.01


N
0
10
20
40
SCALE IN FEET

LEGEND

░	ASPHALT	▨	PROPOSED BUILDING
▓	CONCRETE	░	CONCRETE (OTHER)
○	EXISTING TREES		

400	PROPOSED CONTOUR
400	EXISTING CONTOUR
TC=???	TOP OF CURB ELEVATION
FG=???	FINISHED GRADE ELEVATION
ME=???	MATCH EXISTING ELEVATION
TC/ME=???	TOP OF CURB/MATCH EXISTING ELEVATION

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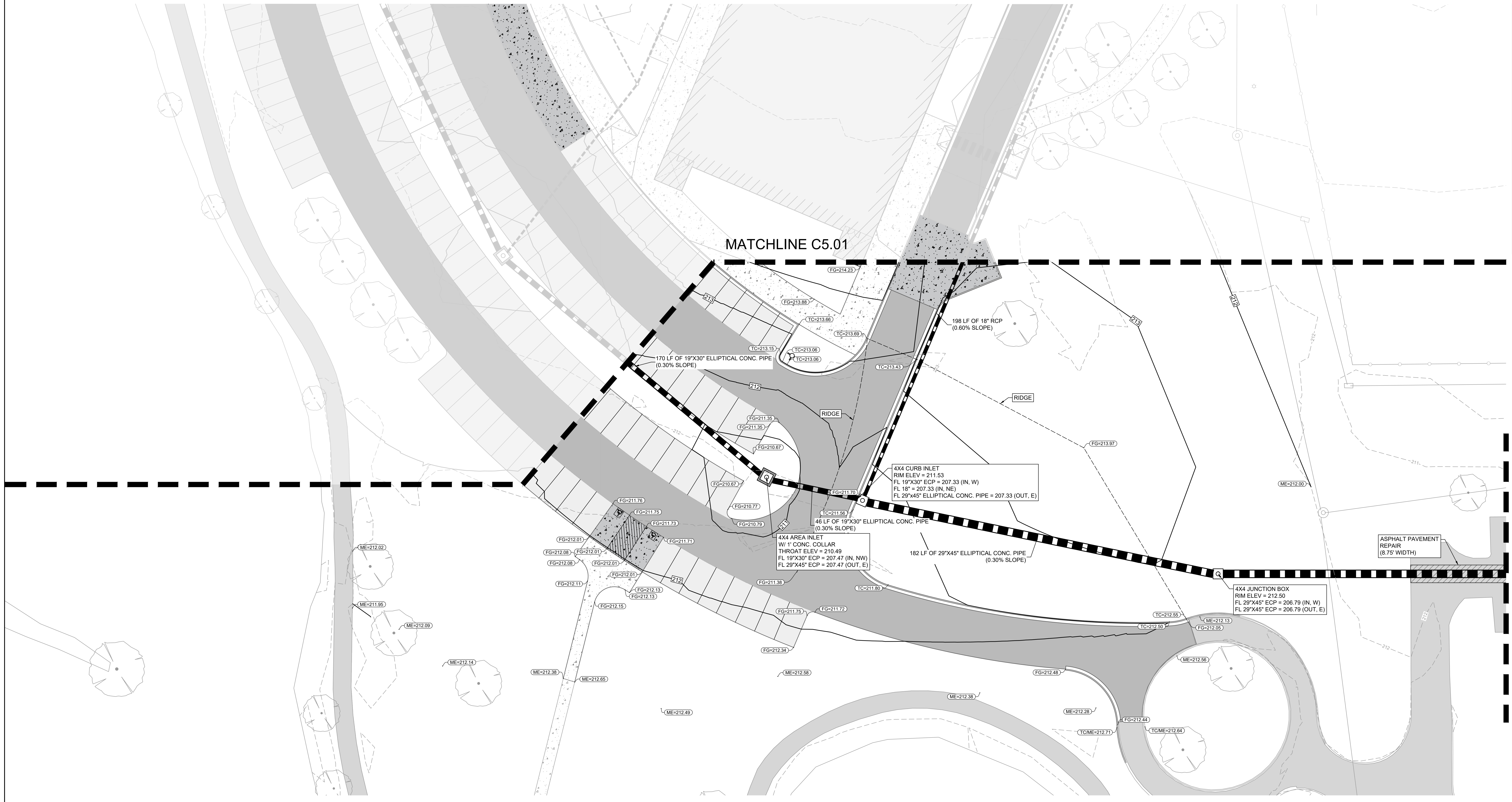
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MATCHLINE THIS SHEET
FG=214.23
FG=213.88
TC=213.66
TC=213.69
TC=213.15
TC=213.06
TC=213.06
TC=213.43
213
212
211
198 LF OF 18" RCP
(0.60% SLOPE)
170 LF OF 19"X30" ELLIPTICAL CONC. PIPE
(0.30% SLOPE)
RIDGE
RIDGE
FG=211.35
FG=211.35
FG=210.67
FG=210.67
FG=210.77
FG=210.79
FG=211.70
TC=211.56
FG=213.97
ME=212.00
4X4 CURB INLET
RIM ELEV = 211.53
FL 19"X30" ECP = 207.33 (IN, W)
FL 18" = 207.33 (IN, NE)
FL 29"x45" ELLIPTICAL CONC. PIPE = 207.33 (OUT, E)
46 LF OF 19"X30" ELLIPTICAL CONC. PIPE
(0.30% SLOPE)
4X4 AREA INLET
W/ 1' CONC. COLLAR
THROAT ELEV = 210.49
FL 19"X30" ECP = 207.47 (IN, NW)
FL 29"X45" ECP = 207.47 (OUT, E)
182 LF OF 29"X45" ELLIPTICAL CONC. PIPE
(0.30% SLOPE)
ASPHALT PAVEMENT
REPAIR
(8.75' WIDTH)
4X4 JUNCTION BOX
RIM ELEV = 212.50
FL 29"X45" ECP = 206.79 (IN, W)
FL 29"X45" ECP = 206.79 (OUT, E)
FG=211.76
FG=211.75
FG=211.73
FG=211.71
FG=212.01
FG=212.08
FG=212.01
FG=212.08
FG=212.01
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FG=212.11
FG=212.13
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FG=212.15
FG=211.38
TC=211.80
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FG=211.72
FG=212.34
TC=212.55
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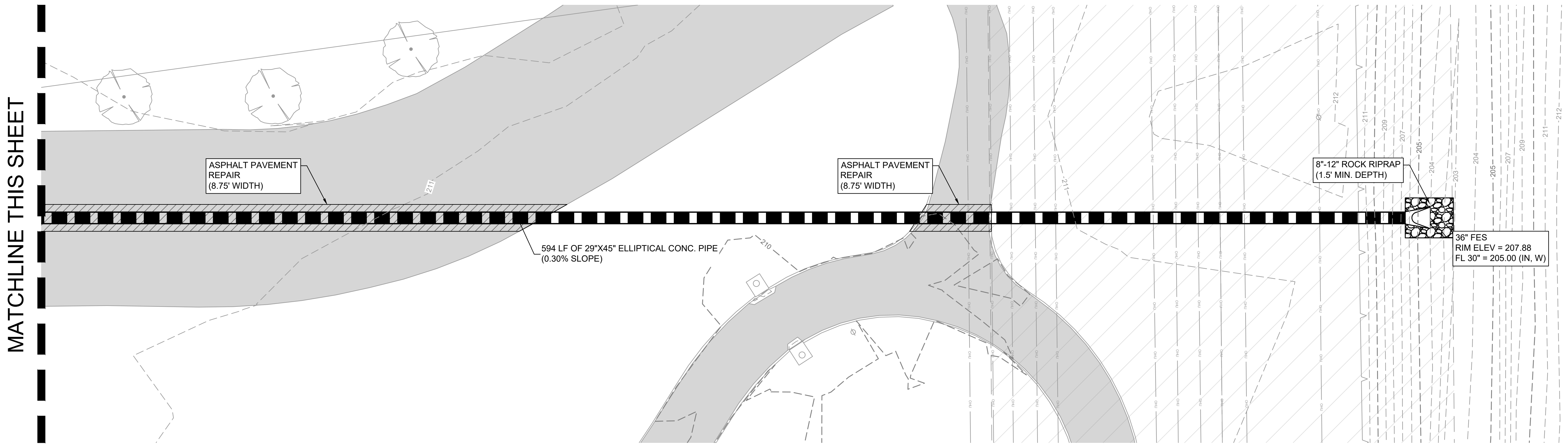
ME=212.13
FG=212.05
ME=212.56
FG=212.48
FG=212.44
TC/ME=212.71
TC/ME=212.64
ME=212.28
ME=212.38
ME=212.58
ME=212.49
ME=212.38
ME=212.65
ME=212.14
ME=212.02
ME=211.95
ME=212.09


MATCHLINE THIS SHEET
ASPHALT PAVEMENT
REPAIR
(8.75' WIDTH)
ASPHALT PAVEMENT
REPAIR
(8.75' WIDTH)
594 LF OF 29"X45" ELLIPTICAL CONC. PIPE
(0.30% SLOPE)
8"-12" ROCK RIPRAP
(1.5' MIN. DEPTH)
36" FES
RIM ELEV = 207.88
FL 30" = 205.00 (IN, W)
211
210
212
211
209
207
205
204
203

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GRADING &
DRAINAGE PLAN

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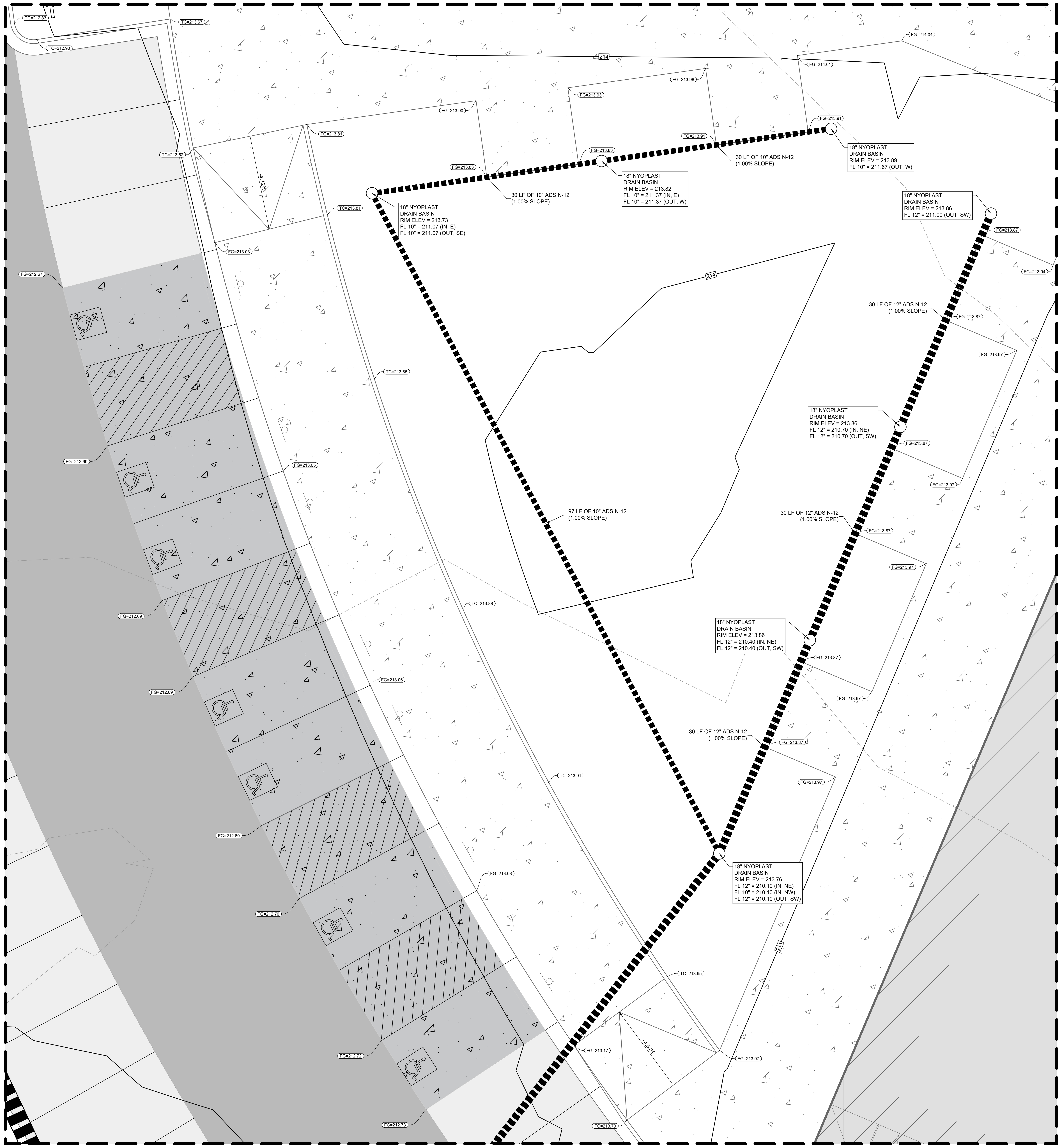
C5.02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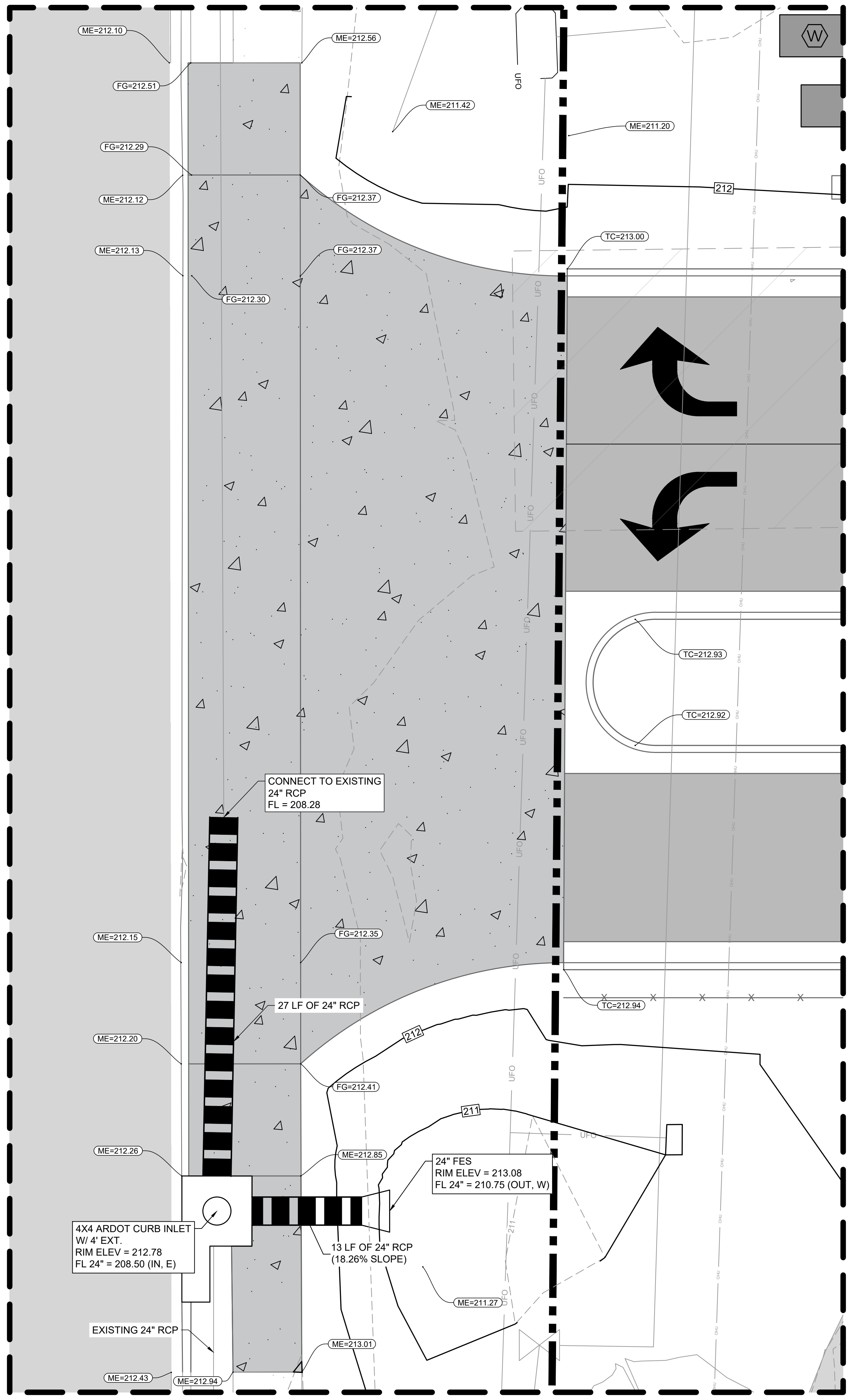
214
FG=214.01
FG=213.98
FG=213.93
FG=213.90
FG=213.91
FG=213.83
FG=213.83
FG=213.81
FG=213.91
TC=213.52
30 LF OF 10" ADS N-12
(1.00% SLOPE)
18" NYOPLAST
DRAIN BASIN
RIM ELEV = 213.89
FL 10" = 211.67 (OUT, W)
18" NYOPLAST
DRAIN BASIN
RIM ELEV = 213.82
FL 10" = 211.37 (IN, E)
FL 10" = 211.37 (OUT, W)
30 LF OF 10" ADS N-12
(1.00% SLOPE)
18" NYOPLAST
DRAIN BASIN
RIM ELEV = 213.73
FL 10" = 211.07 (IN, E)
FL 10" = 211.07 (OUT, SE)
TC=213.81
18" NYOPLAST
DRAIN BASIN
RIM ELEV = 213.86
FL 12" = 211.00 (OUT, SW)
FG=213.87
FG=213.94
4.12%
FG=213.03
FG=212.87
214
30 LF OF 12" ADS N-12
(1.00% SLOPE)
FG=213.87
FG=213.97
TC=213.85
18" NYOPLAST
DRAIN BASIN
RIM ELEV = 213.86
FL 12" = 210.70 (IN, NE)
FL 12" = 210.70 (OUT, SW)
FG=213.87
FG=212.69
FG=213.05
FG=213.97
97 LF OF 10" ADS N-12
(1.00% SLOPE)
30 LF OF 12" ADS N-12
(1.00% SLOPE)
FG=213.87
FG=213.97
TC=213.88
FG=212.69
18" NYOPLAST
DRAIN BASIN
RIM ELEV = 213.86
FL 12" = 210.40 (IN, NE)
FL 12" = 210.40 (OUT, SW)
FG=213.87
FG=213.06
FG=212.69
FG=213.97
30 LF OF 12" ADS N-12
(1.00% SLOPE)
FG=213.87
TC=213.91
FG=213.97
FG=212.69
18" NYOPLAST
DRAIN BASIN
RIM ELEV = 213.76
FL 12" = 210.10 (IN, NE)
FL 10" = 210.10 (IN, NW)
FL 12" = 210.10 (OUT, SW)
FG=213.08
FG=212.70
214
TC=213.95
4.54%
FG=213.17
FG=213.97
FG=212.72
FG=212.73
TC=213.70

DETAIL-A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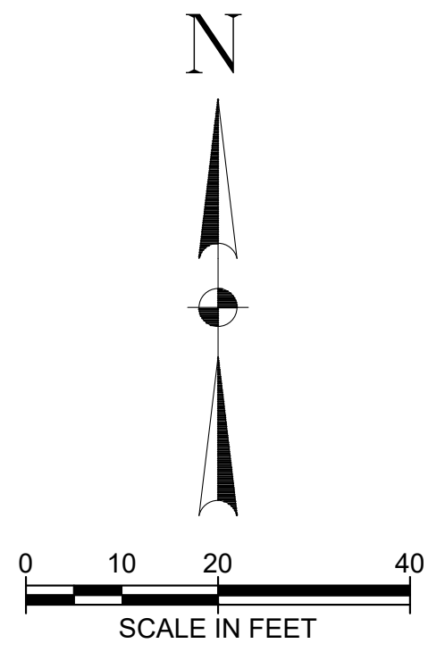
FG=212.51
ME=211.42
OHU
FG=212.29
ME=211.20
ME=212.12
FG=212.37
212
ME=212.13
FG=212.37
TC=213.00
FG=212.30
TC=212.93
TC=212.92
CONNECT TO EXISTING
24" RCP
FL = 208.28
ME=212.15
FG=212.35
27 LF OF 24" RCP
TC=212.94
ME=212.20
FG=212.41
212
211
ME=212.26
ME=212.85
24" FES
RIM ELEV = 213.08
FL 24" = 210.75 (OUT, W)
4X4 ARDOT CURB INLET
W/ 4' EXT.
RIM ELEV = 212.78
FL 24" = 208.50 (IN, E)
13 LF OF 24" RCP
(18.26% SLOPE)
ME=211.27
EXISTING 24" RCP
ME=213.01
ME=212.43
ME=212.94
UFO
W

DETAIL-B


N
0
10
20
40
SCALE IN FEET

LEGEND

▭	ASPHALT	▨	PROPOSED BUILDING
▩	CONCRETE	⛶	CONCRETE (OTHER)
✿	EXISTING TREES		

400	PROPOSED CONTOUR
400	EXISTING CONTOUR
TC=???	TOP OF CURB ELEVATION
FG=???	FINISHED GRADE ELEVATION
ME=???	MATCH EXISTING ELEVATION
TC/ME=???	TOP OF CURB/MATCH EXISTING ELEVATION

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

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HALFF ASSOCIATES INC.
#1470

SEAL

BRANDON JOSEPH HEBERT
No. 21446
Brandon Hebert
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

№.	DATE	DESCRIPTION
1	2026-03-06	ISSUE FOR SITE PERMIT

ARCHITECT

PROJECT LUONG
HOUSTON +1 346 708 8241 820 Gessner Rd., Suite 775, Houston, TX 77024
SAN ANTONIO +1 726 245 1378 700 N. St. Mary's St., Suite 1400, San Antonio, TX 78205
SANTA MONICA +1 213 394 7230 730 Arizona Ave., Santa Monica, CA 90401
Projectluong.com
TBAE REG. No. BR 4215

CONSULTANT

halff
5704 EUPER LN.
SUITE 200
FORT SMITH, AR 72903
TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

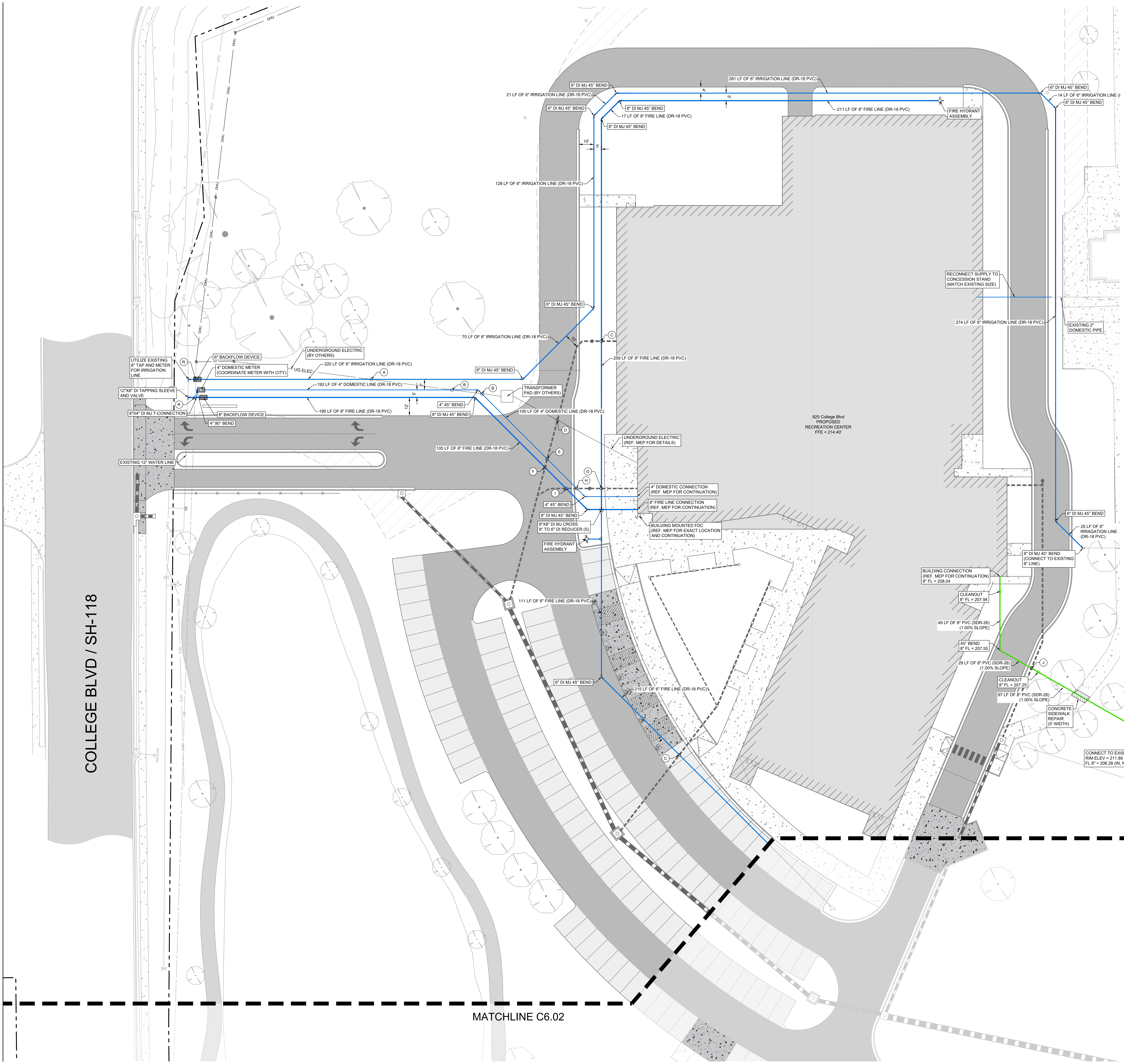
JOB No.: WESCIT00561

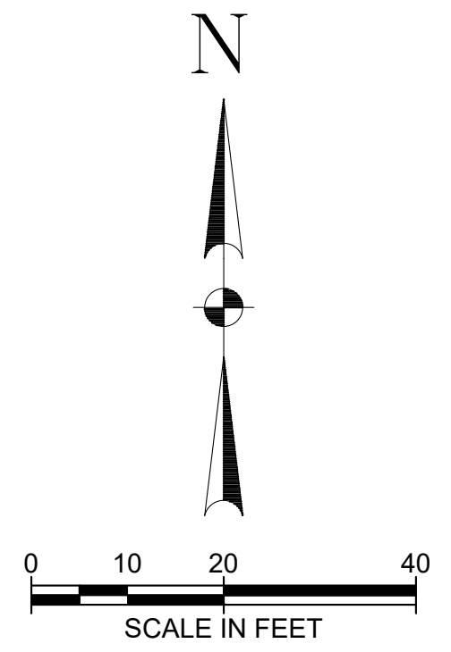
SHEET TITLE

GRADING &
DRAINAGE PLAN

SHEET NUMBER

C5.03


COLLEGE BLVD / SH-118
MATCHLINE C6.02
6" DI MJ 45° BEND
21 LF OF 6" IRRIGATION LINE (DR-18 PVC)
6" DI MJ 45° BEND
281 LF OF 6" IRRIGATION LINE (DR-18 PVC)
8" DI MJ 45° BEND
17 LF OF 8" FIRE LINE (DR-18 PVC)
8" DI MJ 45° BEND
211 LF OF 8" FIRE LINE (DR-18 PVC)
FIRE HYDRANT ASSEMBLY
6" DI MJ 45° BEND
14 LF OF 6" IRRIGATION LINE (
6" DI MJ 45° BEND
4'
5'
10'
5'
128 LF OF 6" IRRIGATION LINE (DR-18 PVC)
6" DI MJ 45° BEND
70 LF OF 6" IRRIGATION LINE (DR-18 PVC)
10'
259 LF OF 8" FIRE LINE (DR-18 PVC)
UTILIZE EXISTING 6" TAP AND METER FOR IRRIGATION LINE
6" BACKFLOW DEVICE
4" DOMESTIC METER (COORDINATE METER WITH CITY)
UNDERGROUND ELECTRIC (BY OTHERS)
UG ELEC
220 LF OF 6" IRRIGATION LINE (DR-18 PVC)
6" DI MJ 45° BEND
12"X8" DI TAPPING SLEEVE AND VALVE
192 LF OF 4" DOMESTIC LINE (DR-18 PVC)
7'
5'
12'
TRANSFORMER PAD (BY OTHERS)
4" 45° BEND
8" DI MJ 45° BEND
190 LF OF 8" FIRE LINE (DR-18 PVC)
8"X4" DI MJ T-CONNECTION
8" BACKFLOW DEVICE
4" 90° BEND
100 LF OF 4" DOMESTIC LINE (DR-18 PVC)
EXISTING 12" WATER LINE
105 LF OF 8" FIRE LINE (DR-18 PVC)
UNDERGROUND ELECTRIC (REF. MEP FOR DETAILS)
4" DOMESTIC CONNECTION (REF. MEP FOR CONTINUATION)
8" FIRE LINE CONNECTION (REF. MEP FOR CONTINUATION)
4" 45° BEND
8" DI MJ 45° BEND
8"X8" DI MJ CROSS 8" TO 6" DI REDUCER (S)
BUILDING MOUNTED FDC (REF. MEP FOR EXACT LOCATION AND CONTINUATION)
FIRE HYDRANT ASSEMBLY
111 LF OF 6" FIRE LINE (DR-18 PVC)
6" DI MJ 45° BEND
215 LF OF 6" FIRE LINE (DR-18 PVC)
825 College Blvd
PROPOSED
RECREATION CENTER
FFE = 214.40'
RECONNECT SUPPLY TO CONCESSION STAND (MATCH EXISTING SIZE)
274 LF OF 6" IRRIGATION LINE (DR-18 PVC)
EXISTING 2" DOMESTIC PIPE
6" DI MJ 45° BEND
25 LF OF 6" IRRAGATION LINE (DR-18 PVC)
6" DI MJ 45° BEND (CONNECT TO EXISTING 6" LINE)
BUILDING CONNECTION (REF. MEP FOR CONTINUATION) 8" FL = 208.04
CLEANOUT 8" FL = 207.94
49 LF OF 8" PVC (SDR-26) (1.00% SLOPE)
45° BEND 8" FL = 207.55
29 LF OF 8" PVC (SDR-26) (1.00% SLOPE)
CLEANOUT 8" FL = 207.25
97 LF OF 8" PVC (SDR-26) (1.00% SLOPE)
CONCRETE SIDEWALK REPAIR (5' WIDTH)
CONNECT TO EXISTING MANHOLE RIM ELEV = 211.89 FL 8" = 206.28 (IN, NW)
A
B
B
C
C
D
E
F
G
H
I
J
R
R
OHU
UFO


N
0
10
20
40
SCALE IN FEET

LEGEND

▭	ASPHALT	▨	PROPOSED BUILDING
▩	CONCRETE	⬚	CONCRETE (OTHER)
✿	EXISTING TREES		
🟦	PROPOSED WATER LINE		
🟩	PROPOSED SEWER LINE		

NOTES:

1. SEE SHEET C0.00 FOR UTILITY NOTES

PIPE CROSSING KEY NOTES:

Ⓐ 6" WATER AND UNDERGROUND ELECTRIC CROSSING
Ⓑ 4" WATER AND UNDERGROUND ELECTRIC CROSSING
Ⓒ 6" FIRE LINE AND 12" STORM CROSSING
Ⓓ 12" STORM AND UNDERGROUND ELECTRIC CROSSING
Ⓔ 4" WATER AND 12" STORM CROSSING
Ⓕ 8" FIRE LINE AND 12" STORM CROSSING
Ⓖ 6" FIRE LINE AND 10" STORM CROSSING
Ⓗ 4" WATER AND 10" STORM CROSSING
Ⓘ 8" FIRE LINE AND 10" STORM CROSSING
Ⓙ 8" SEWER AND 10" STORM CROSSING
Ⓚ 8" SEWER AND 29X45" STORM CROSSING

Know what's **below.**
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CERTIFICATE OF AUTHORIZATION
HALFF
ASSOCIATES
INC.
#1470
ARKANSAS-ENGINEER

SEAL

BRANDON JOSEPH HEBERT
No. 21446
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

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FORT SMITH, AR 72903
TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

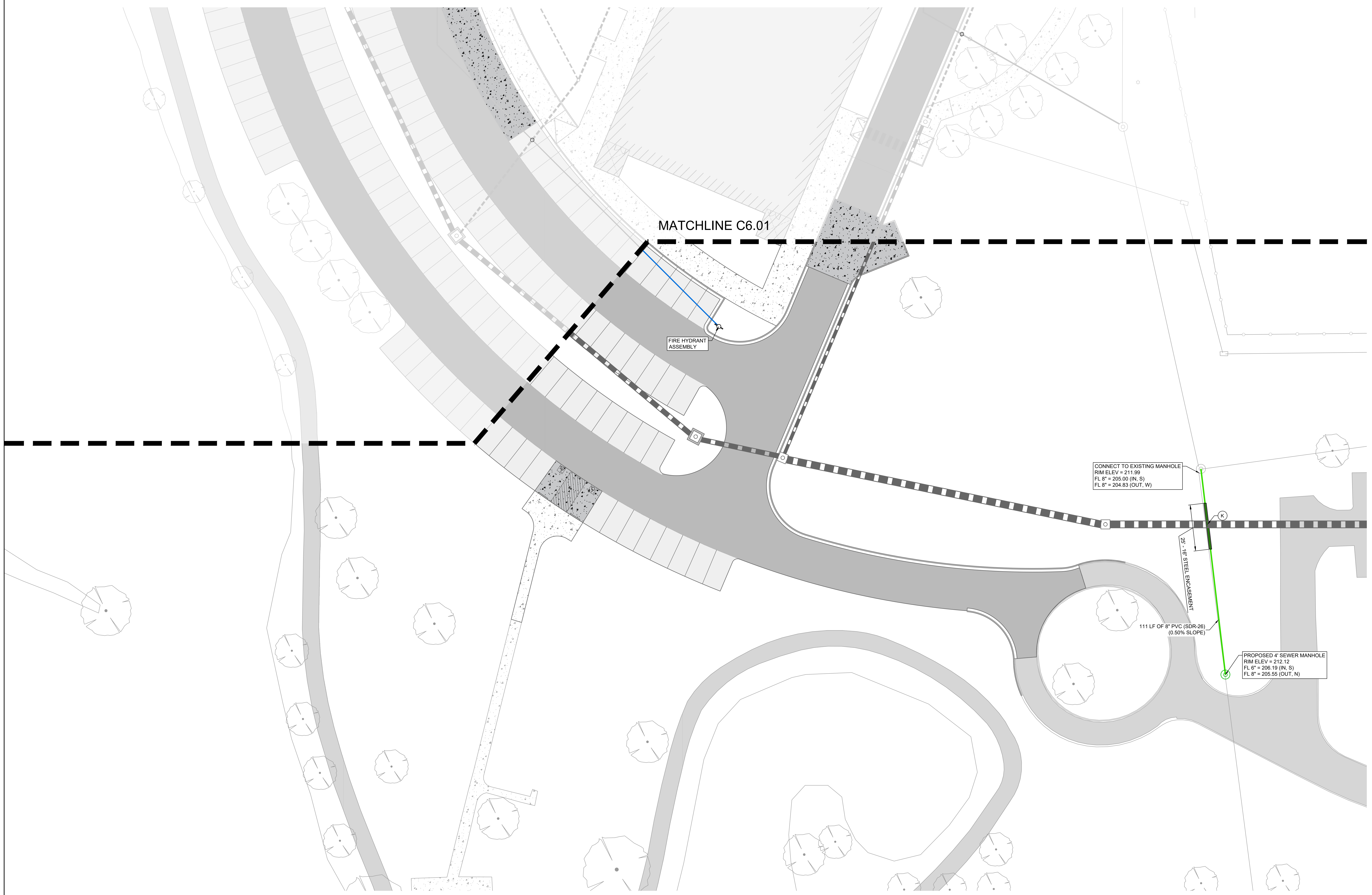
JOB No.: WESCIT00561

SHEET TITLE

WATER & SEWER
PLAN

SHEET NUMBER

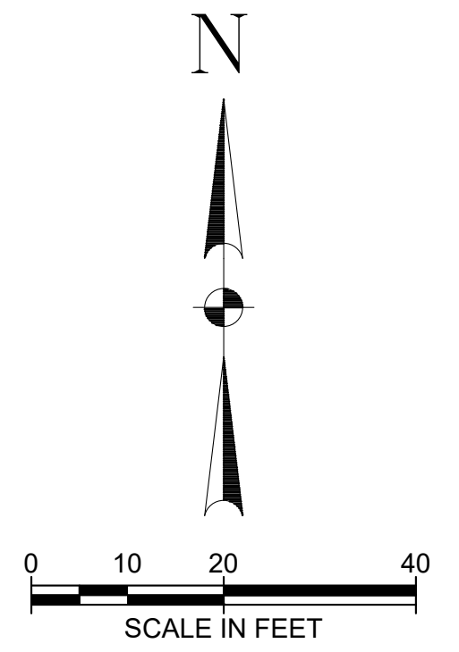
C6.01



CONNECT TO EXISTING MANHOLE
RIM ELEV = 211.99
FL 8" = 205.00 (IN, S)
FL 8" = 204.83 (OUT, W)

111 LF OF 8" PVC (SDR-26)
(0.50% SLOPE)

PROPOSED 4' SEWER MANHOLE
RIM ELEV = 212.12
FL 6" = 206.19 (IN, S)
FL 8" = 205.55 (OUT, N)



LEGEND

▢	ASPHALT	▨	PROPOSED BUILDING
▩	CONCRETE	⬚	CONCRETE (OTHER)
✲	EXISTING TREES		
🟦	PROPOSED WATER LINE		
🟩	PROPOSED SEWER LINE		

NOTES:

1. SEE SHEET C0.00 FOR UTILITY NOTES

PIPE CROSSING KEY NOTES:

Ⓤ SEWER AND STORM CROSSING

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JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

JOB No.: WESCIT00561

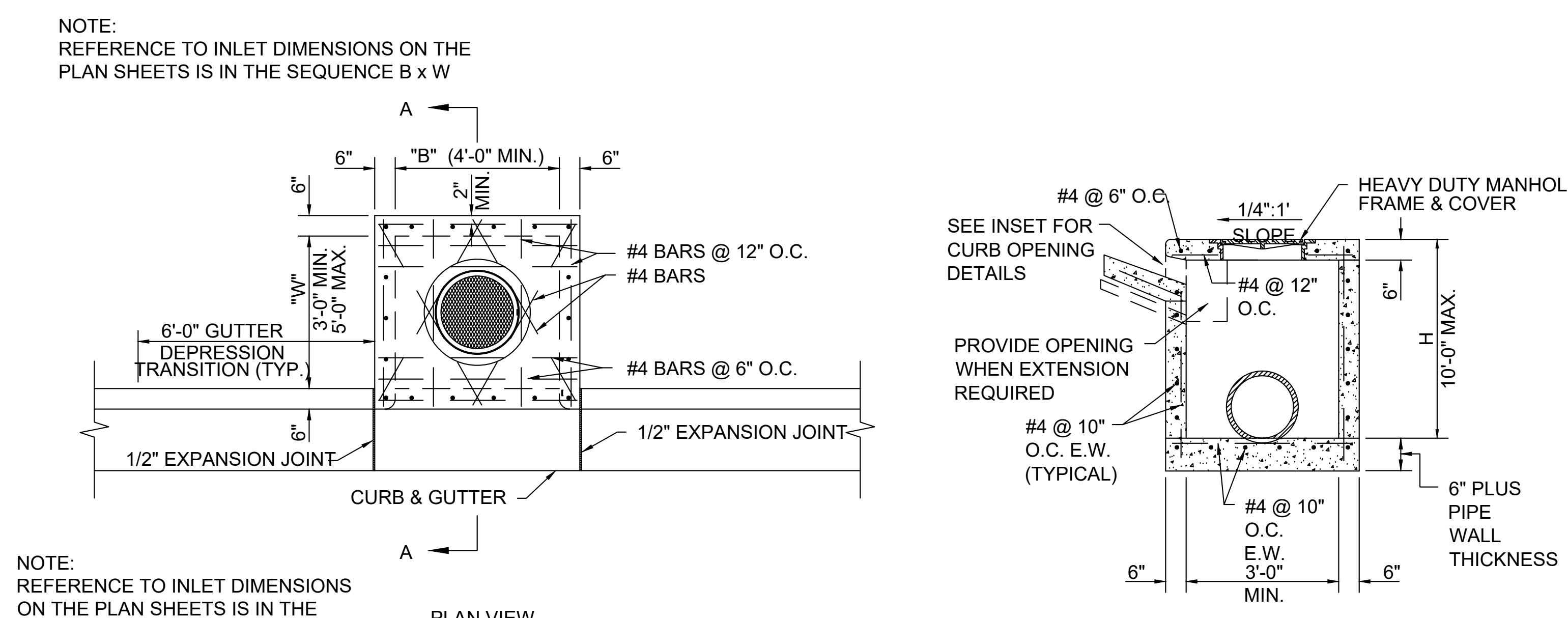
SHEET TITLE

WATER & SEWER
PLAN

SHEET NUMBER

C6.02

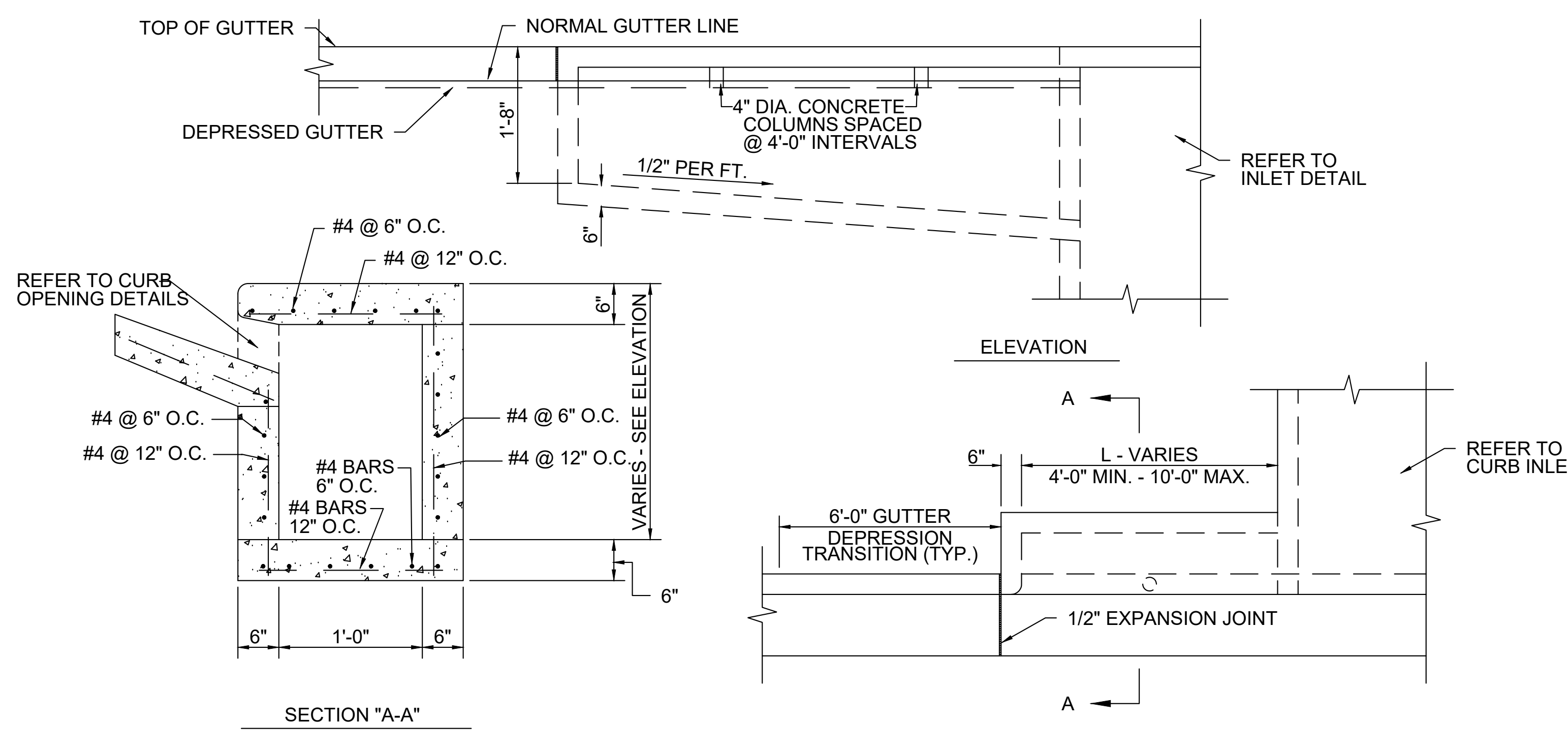
FILE PATH: A:\61000s\61407\001\LD\CADD\Sheets\61407-C-SITE-UTIL.dwg
DATE PRINTED: 4/17/2026 4:39:37 PM


NOTE:
REFERENCE TO INLET DIMENSIONS ON THE PLAN SHEETS IS IN THE SEQUENCE B x W
A
"B" (4'-0" MIN.)
6"
6"
2" MIN
"W" 3'-0" MIN. 5'-0" MAX.
#4 BARS @ 12" O.C.
#4 BARS
6'-0" GUTTER DEPRESSION TRANSITION (TYP.)
#4 BARS @ 6" O.C.
1/2" EXPANSION JOINT
1/2" EXPANSION JOINT
CURB & GUTTER
NOTE:
REFERENCE TO INLET DIMENSIONS ON THE PLAN SHEETS IS IN THE SEQUENCE B x W
#4 @ 6" O.C.
1/4":1' SLOPE
HEAVY DUTY MANHOLE FRAME & COVER
SEE INSET FOR CURB OPENING DETAILS
#4 @ 12" O.C.
PROVIDE OPENING WHEN EXTENSION REQUIRED
#4 @ 10" O.C. E.W. (TYPICAL)
H 10'-0" MAX.
#4 @ 10" O.C. E.W.
6" PLUS PIPE WALL THICKNESS
3'-0" MIN.
6"
6"

PLAN VIEW

SECTION "A-A"

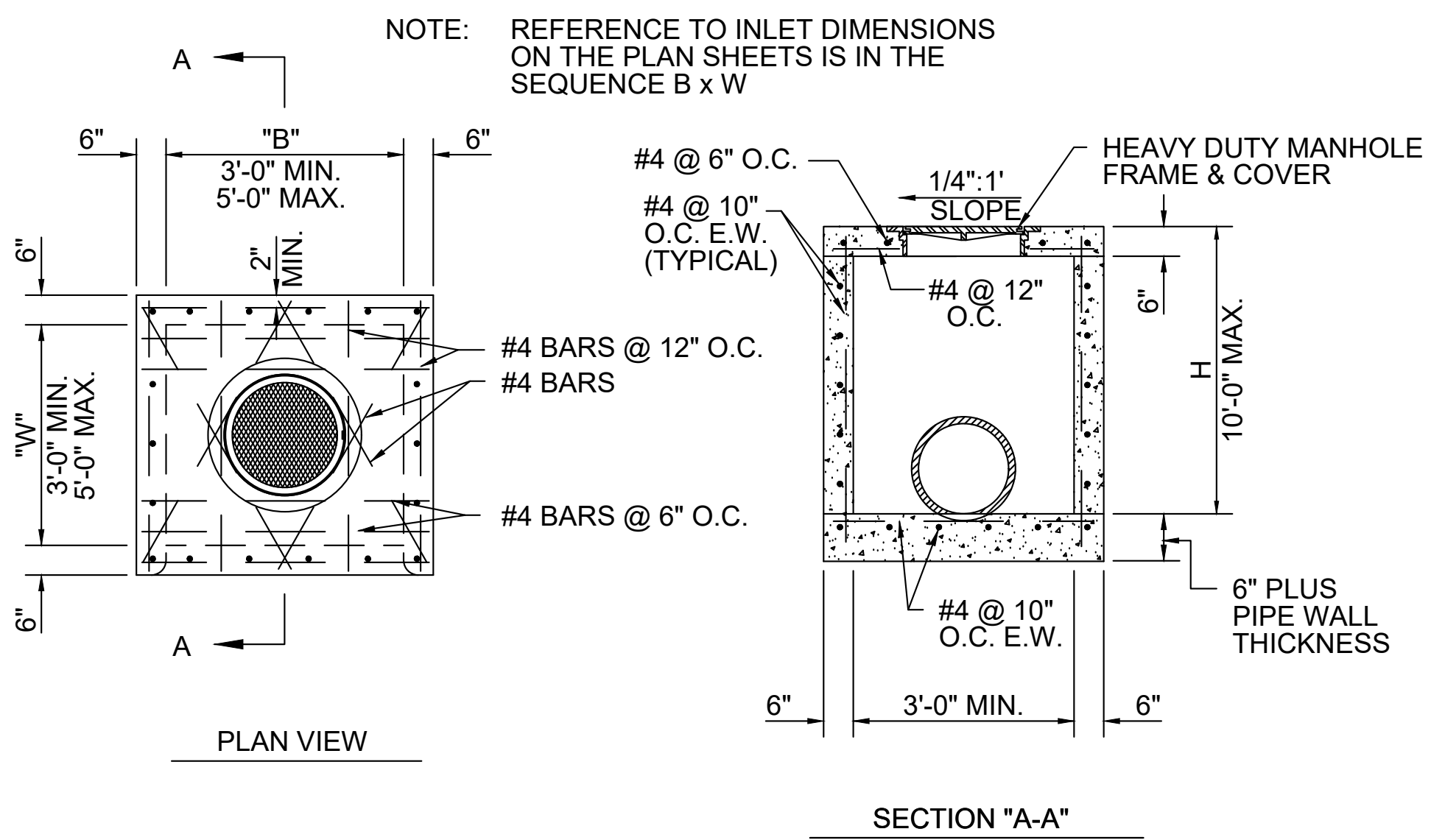
CURB INLET
TYPE "A"
N.T.S.
DR.1.1


TOP OF GUTTER
NORMAL GUTTER LINE
DEPRESSED GUTTER
1'-8"
4" DIA. CONCRETE COLUMNS SPACED @ 4'-0" INTERVALS
1/2" PER FT.
REFER TO INLET DETAIL
ELEVATION
#4 @ 6" O.C.
#4 @ 12" O.C.
REFER TO CURB OPENING DETAILS
#4 @ 6" O.C.
#4 @ 12" O.C.
#4 BARS 6" O.C.
#4 BARS 12" O.C.
#4 @ 6" O.C.
#4 @ 12" O.C.
VARIES - SEE ELEVATION
6"
6"
1'-0"
6"
A
L - VARIES
4'-0" MIN. - 10'-0" MAX.
6"
REFER TO CURB INLET
6'-0" GUTTER DEPRESSION TRANSITION (TYP.)
1/2" EXPANSION JOINT
A

SECTION "A-A"

PLAN VIEW

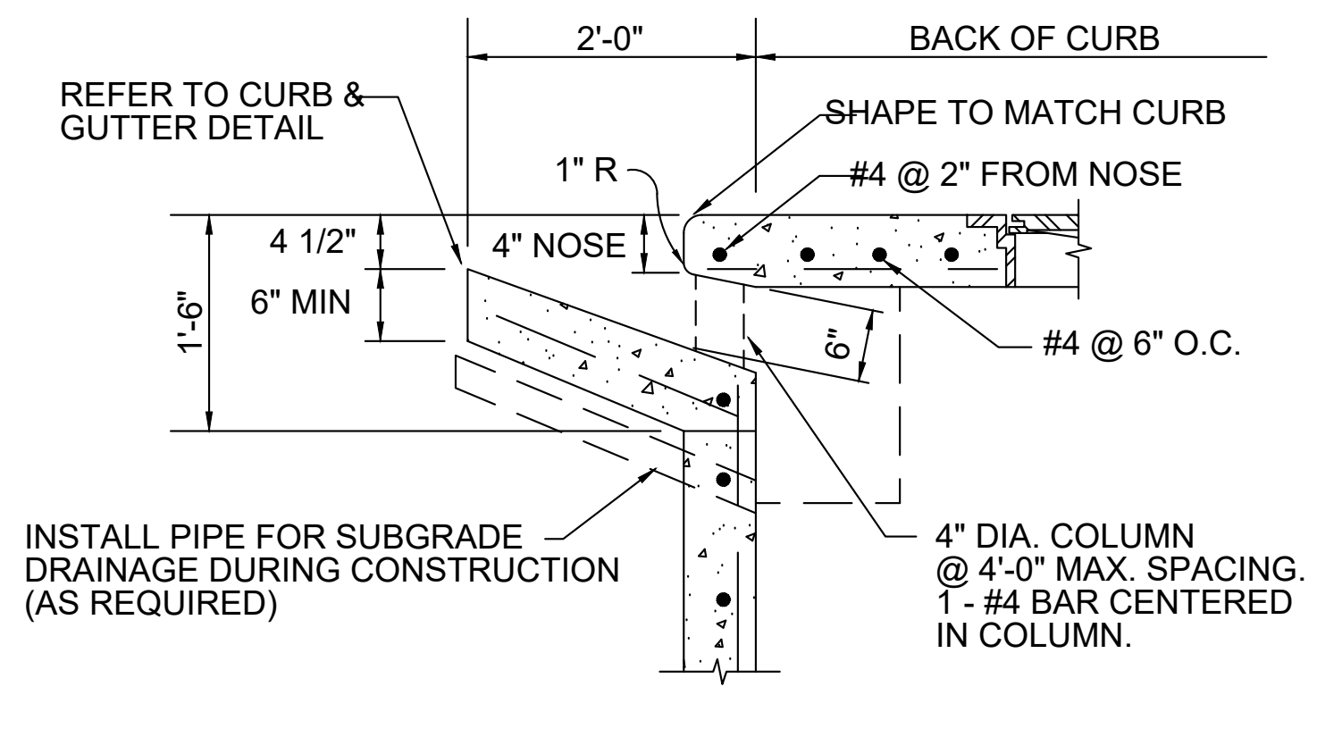
CURB INLET EXTENSION
N.T.S.
DR.1.2


NOTE: REFERENCE TO INLET DIMENSIONS ON THE PLAN SHEETS IS IN THE SEQUENCE B x W
A
"B" 3'-0" MIN. 5'-0" MAX.
6"
6"
2" MIN
"W" 3'-0" MIN. 5'-0" MAX.
#4 BARS @ 12" O.C.
#4 BARS
#4 BARS @ 6" O.C.
A
#4 @ 6" O.C.
#4 @ 10" O.C. E.W. (TYPICAL)
1/4":1' SLOPE
HEAVY DUTY MANHOLE FRAME & COVER
#4 @ 12" O.C.
H 10'-0" MAX.
#4 @ 10" O.C. E.W.
6" PLUS PIPE WALL THICKNESS
6"
3'-0" MIN.
6"

PLAN VIEW

SECTION "A-A"

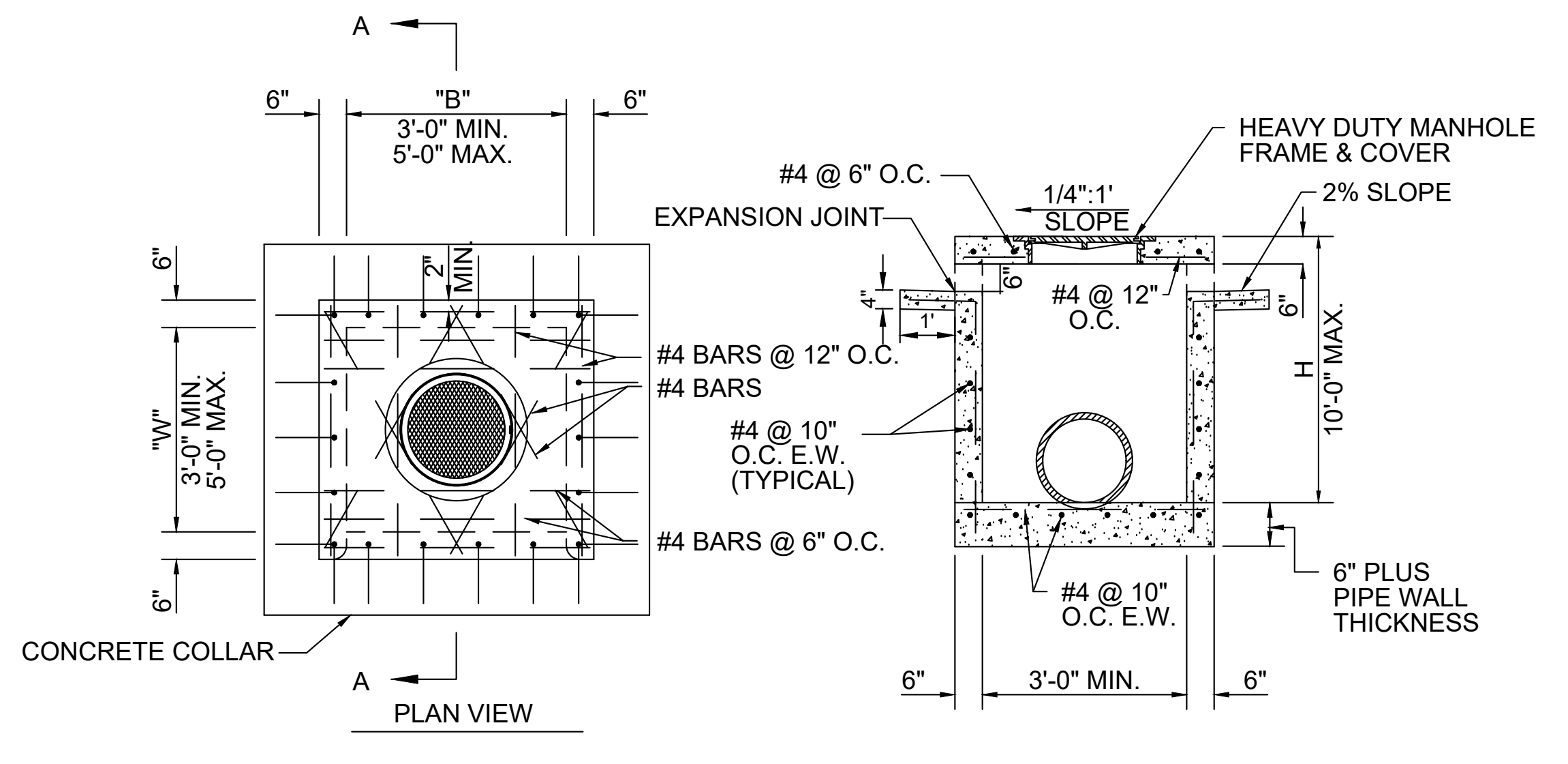
JUNCTION BOX
TYPE "A"
N.T.S.
DR.2.5


2'-0"
BACK OF CURB
REFER TO CURB & GUTTER DETAIL
SHAPE TO MATCH CURB
1" R
#4 @ 2" FROM NOSE
4 1/2"
4" NOSE
6" MIN
1'-6"
6"
#4 @ 6" O.C.
INSTALL PIPE FOR SUBGRADE DRAINAGE DURING CONSTRUCTION (AS REQUIRED)
4" DIA. COLUMN @ 4'-0" MAX. SPACING. 1 - #4 BAR CENTERED IN COLUMN.

CURB OPENING
N.T.S.
DR.1.6

DRAINAGE DETAIL NOTES:

1. ALL CONCRETE SHALL BE CLASS "AAA" 4000 psi.
2. FORMED CONCRETE SURFACES EXPOSED TO VIEW SHALL BE GIVEN A CLASS 2 RUBBED FINISH. UNFORMED CONCRETE SURFACES EXPOSED TO VIEW SHALL BE GIVEN A CLASS 6 BROOMED FINISH.
3. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
4. ALL REINFORCING BARS SHALL BE #4 AND HAVE A MINIMUM 1 1/2" COVER NEXT TO AIR, 3" NEXT TO GROUND UNLESS NOTED OTHERWISE.
5. 2" DIAMETER WEEP HOLES TO BE INSTALLED IN THE INLET WALLS AS DIRECTED BY THE ENGINEER. OUTSIDE ENDS OF WEEP HOLE PIPE SHALL BE WRAPPED WITH FILTER FABRIC TO PREVENT SOIL INTRUSION INTO THE PIPE.
6. CURB INLETS AND EXTENSIONS ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
7. DURING CONSTRUCTION OF THE ROADWAY, THE CONTRACTOR SHALL MAINTAIN DRAINAGE INTO OR AROUND THE DROP INLET AS APPROVED BY THE ENGINEER.
8. PAYMENT FOR CURB AND GUTTER WITHIN THE LIMITS OF CURB INLETS AND EXTENSIONS WILL BE MEASURED AND PAID FOR SEPARATELY AS CURB AND GUTTER.
9. PRECAST UNITS MAY BE USED FOR INLET BOTTOMS AND WALLS ONLY WITH ENGINEERS APPROVAL. TOPS MUST BE CAST-IN-PLACE. ADJUSTMENTS TO BOXES DUE TO GRADE CHANGES WILL BE AT NO COST TO THE OWNER.

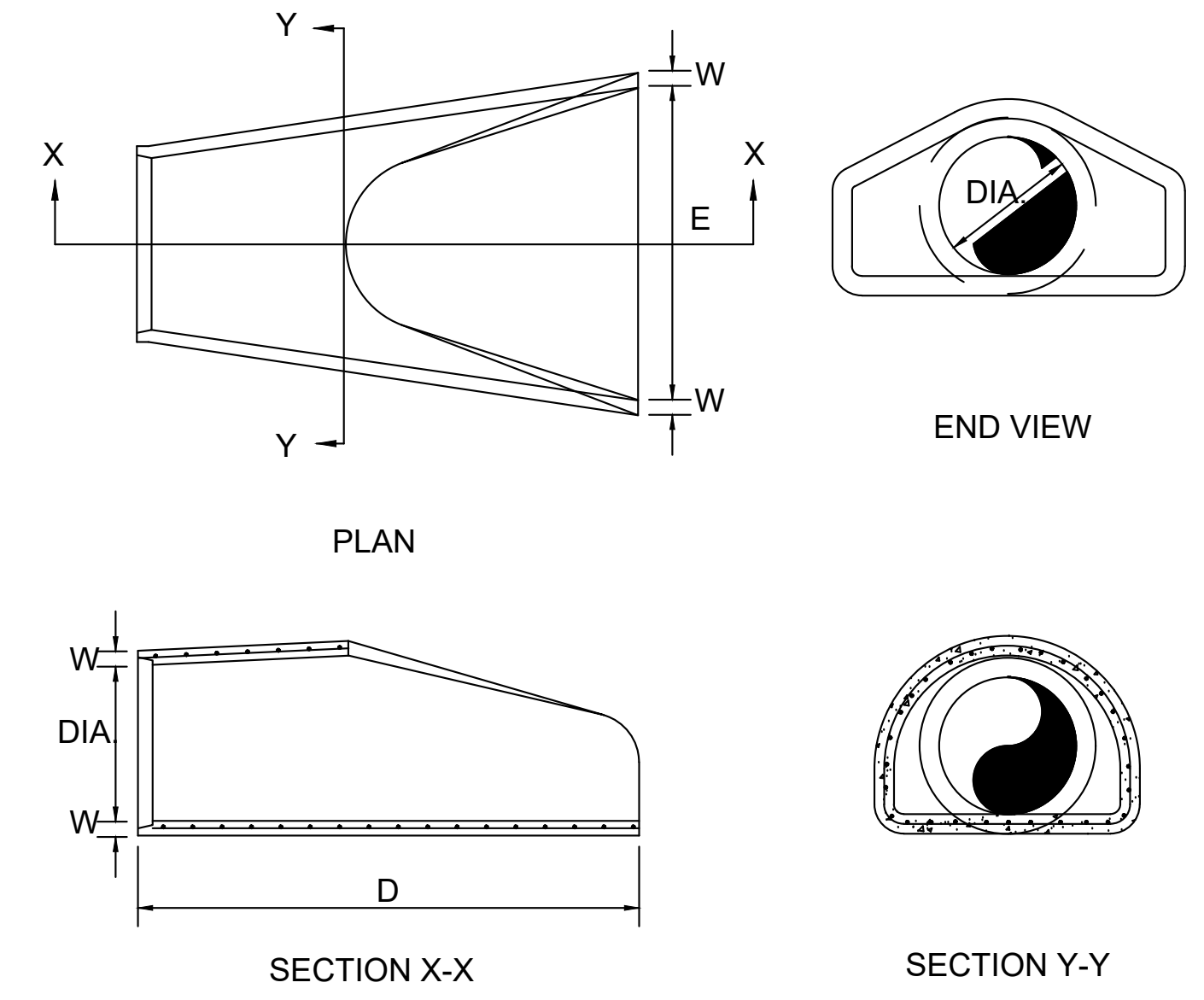

A
"B" 3'-0" MIN. 5'-0" MAX.
6"
6"
2" MIN
"W" 3'-0" MIN. 5'-0" MAX.
6"
6"
#4 BARS @ 12" O.C.
#4 BARS
#4 BARS @ 6" O.C.
CONCRETE COLLAR
A
#4 @ 6" O.C.
EXPANSION JOINT
1/4":1' SLOPE
HEAVY DUTY MANHOLE FRAME & COVER
2% SLOPE
#4 @ 12" O.C.
H 10'-0" MAX.
#4 @ 10" O.C. E.W. (TYPICAL)
6"
#4 @ 10" O.C. E.W.
6" PLUS PIPE WALL THICKNESS
6"
3'-0" MIN.
6"

PLAN VIEW

SECTION "A-A"

AREA INLET W/ CONCRETE COLLAR
TYPE "A"
N.T.S.
DR.2.5

NOTE: REFERENCE TO INLET DIMENSIONS ON THE PLAN SHEETS IS IN THE SEQUENCE B x W


Y
W
X
X
E
W
Y
DIA
W
DIA
W
D

PLAN

END VIEW

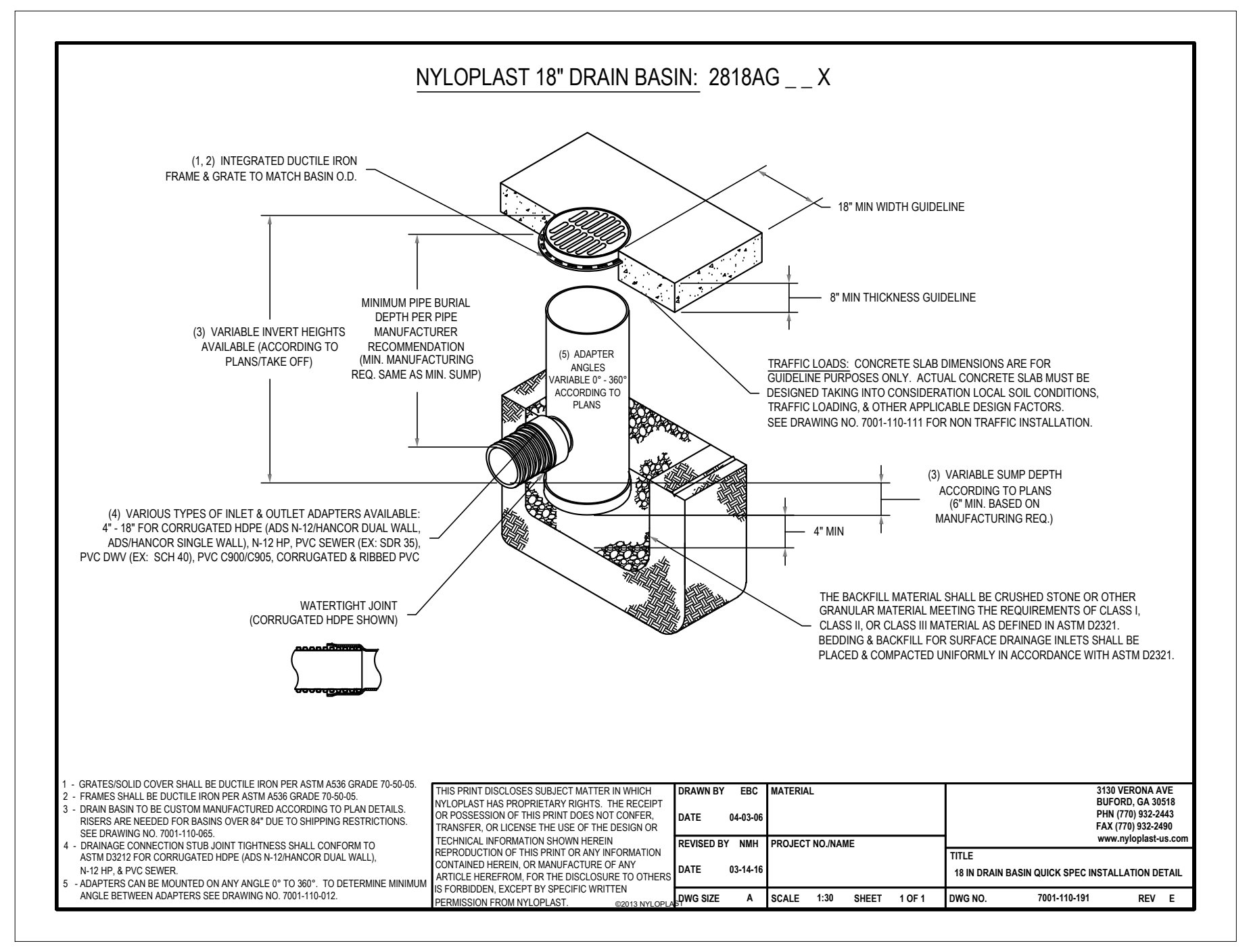
SECTION X-X

SECTION Y-Y

W= WALL THICKNESS OF PIPE

DIA.	D	E
18"	6'-1"	3'-0"
24"	6'-1 1/2"	4'-0"
30"	6'-1 3/4"	5'-0"
36"	8'-1 3/4"	6'-0"
42"	8'-2"	6'-6"
48"	8'-2"	7'-0"
54"	8'-4"	7'-6"
60"	8'-4"	8'-0"
72"	8'-4"	9'-0"

FLARED END SECTION
N.T.S.
DR.4.2


NYLOPLAST 18" DRAIN BASIN: 2818AG _ _ X

(1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.
18" MIN WIDTH GUIDELINE
8" MIN THICKNESS GUIDELINE
MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION (MIN. MANUFACTURING REQ. SAME AS MIN. SUMP)
(3) VARIABLE INVERT HEIGHTS AVAILABLE (ACCORDING TO PLANS/TAKE OFF)
(5) ADAPTER ANGLES VARIABLE 0° - 360° ACCORDING TO PLANS
(3) VARIABLE SUMP DEPTH ACCORDING TO PLANS (6" MIN. BASED ON MANUFACTURING REQ.)
4" MIN
WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION.

(4) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 18" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

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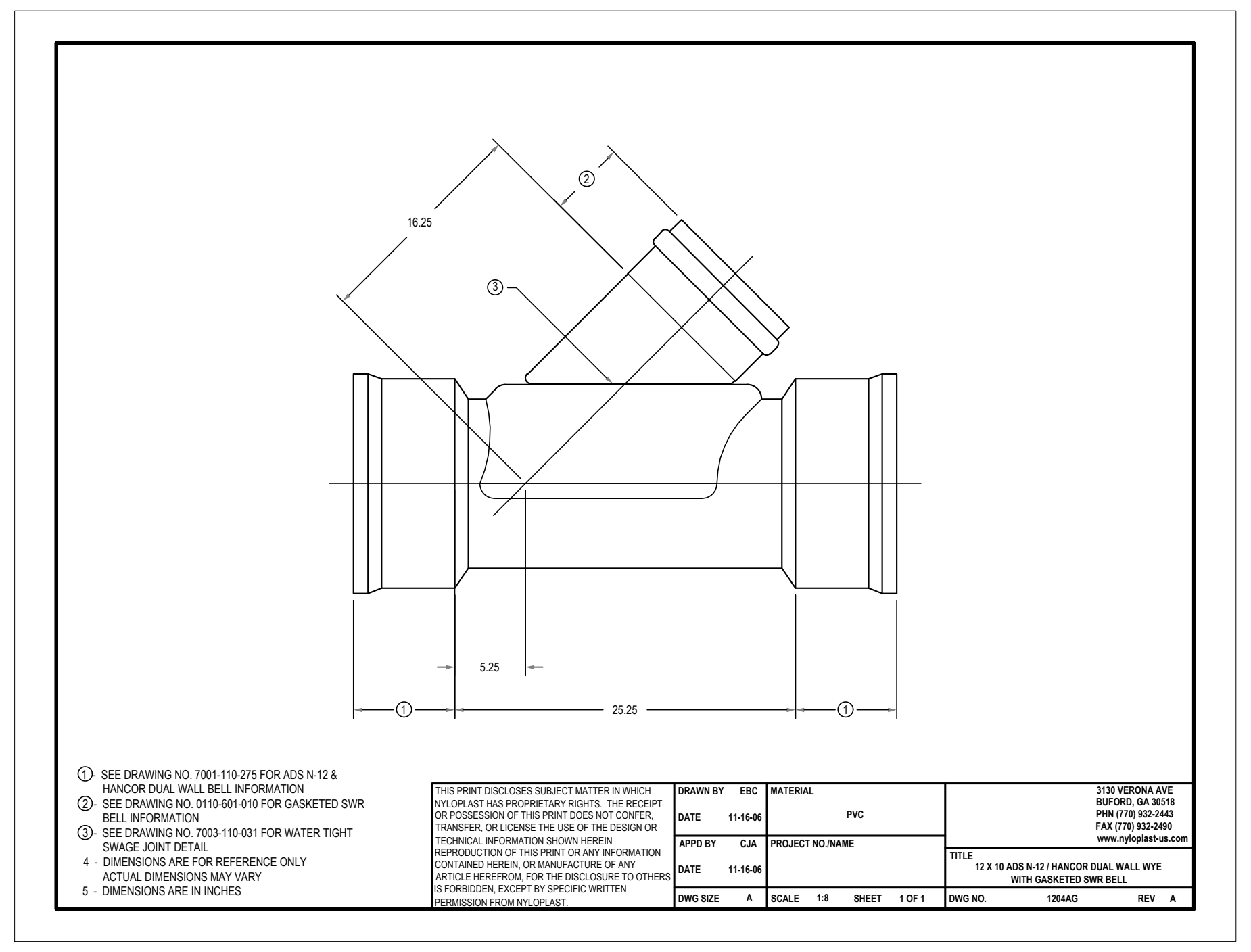
DRAWN BY EBC
DATE 04-03-06
REVISED BY NMH
DATE 03-14-16
DWG SIZE A
MATERIAL
PROJECT NO./NAME
SCALE 1:30 SHEET 1 OF 1
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com
TITLE
18 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL
DWG NO. 7001-110-191 REV E


16.25
②
③
5.25
①
25.25
①

①- SEE DRAWING NO. 7001-110-275 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION
②- SEE DRAWING NO. 0110-601-010 FOR GASKETED SWR BELL INFORMATION
③- SEE DRAWING NO. 7003-110-031 FOR WATER TIGHT SWAGE JOINT DETAIL
4 - DIMENSIONS ARE FOR REFERENCE ONLY ACTUAL DIMENSIONS MAY VARY
5 - DIMENSIONS ARE IN INCHES

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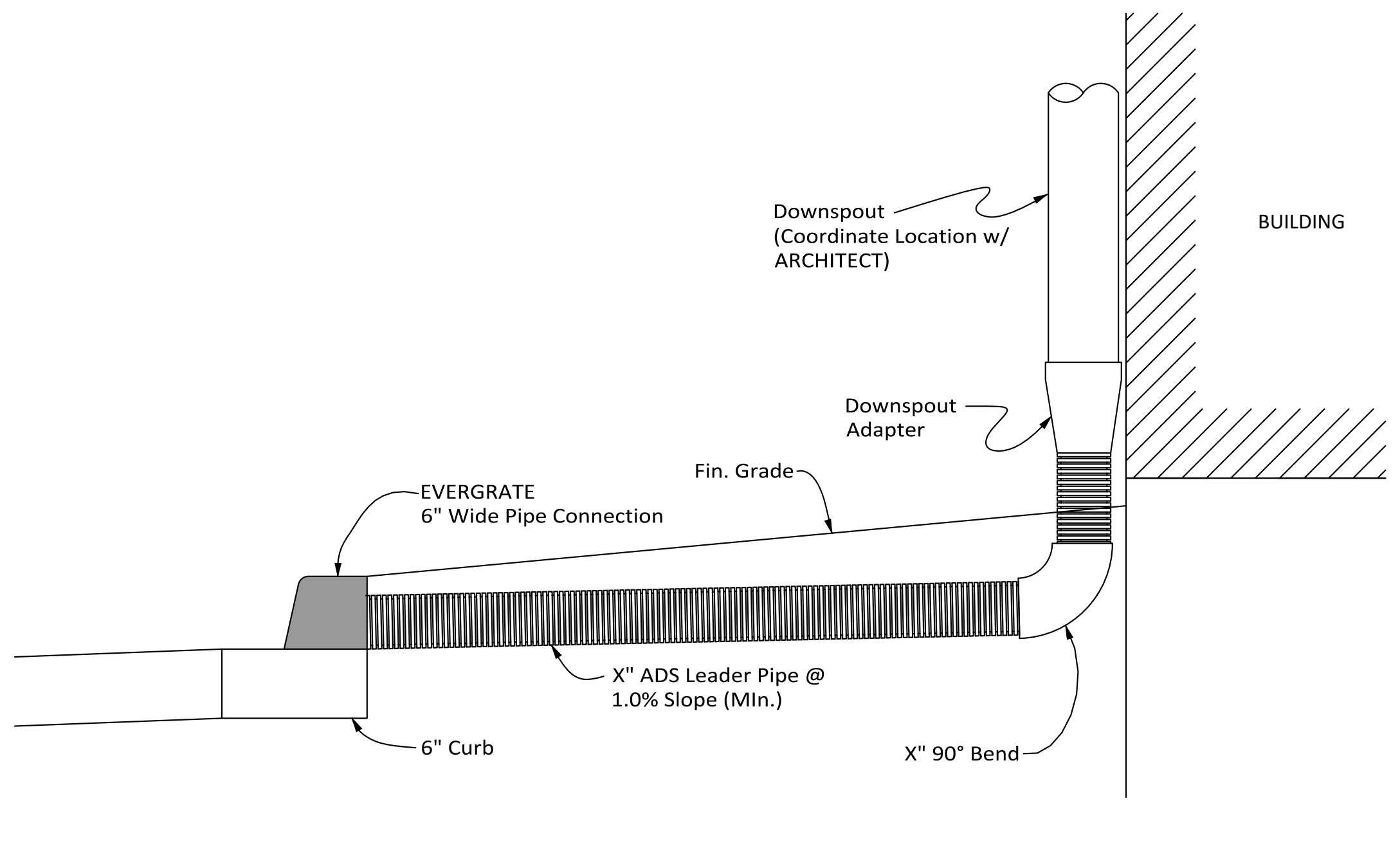
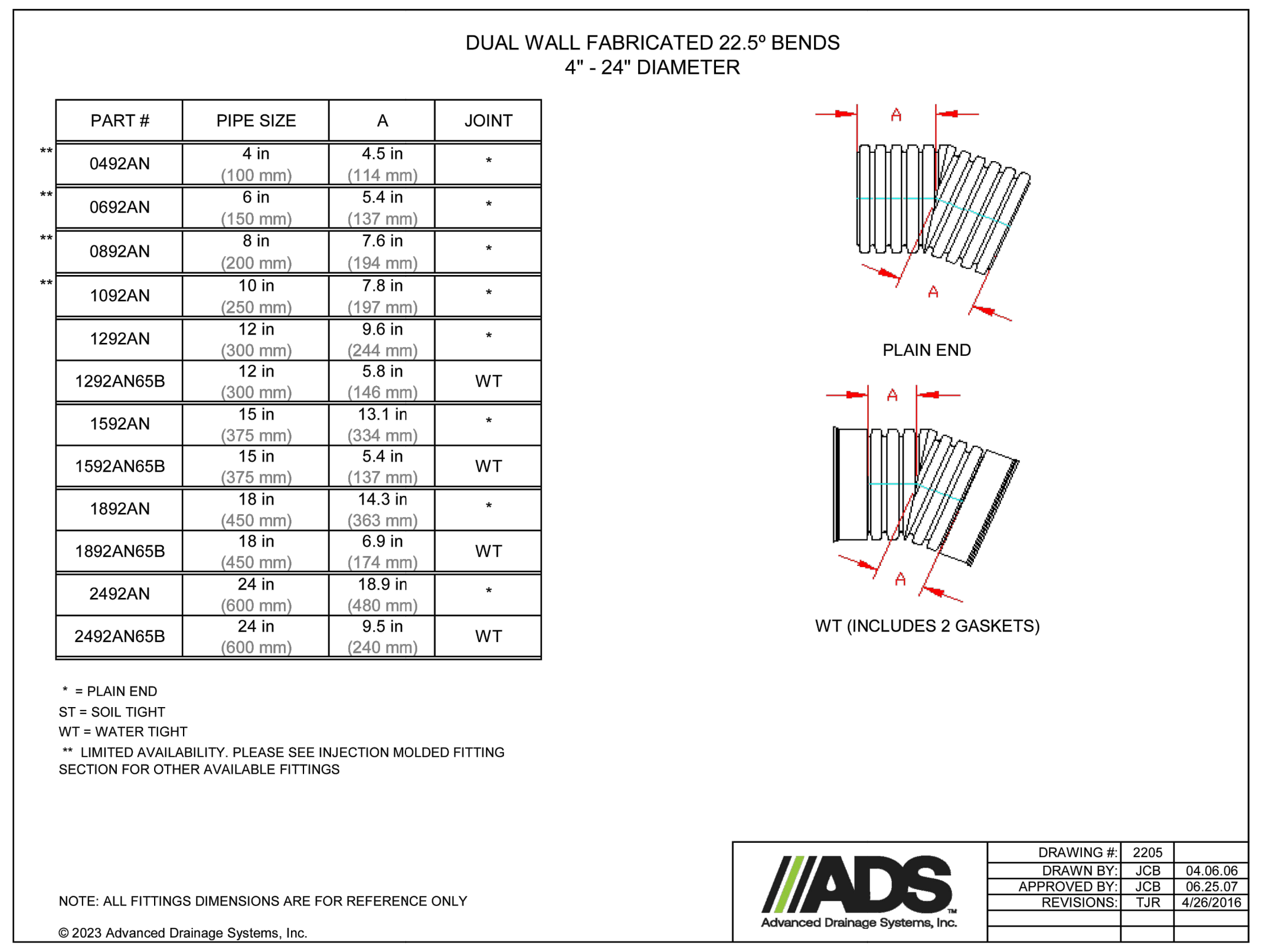
DRAWN BY EBC
DATE 11-16-06
APPD BY CJA
DATE 11-16-06
DWG SIZE A
MATERIAL
PVC
PROJECT NO./NAME
SCALE 1:8 SHEET 1 OF 1
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com
TITLE
12 X 10 ADS N-12 / HANCOR DUAL WALL WYE WITH GASKETED SWR BELL
DWG NO. 1204AG REV A


BUILDING
Downspout (Coordinate Location w/ ARCHITECT)
Downspout Adapter
Fin. Grade
EVERGRATE 6" Wide Pipe Connection
X" ADS Leader Pipe @ 1.0% Slope (Min.)
6" Curb
X" 90° Bend

ENSURE DETAIL MATCHES ARCH DESIGN
No Scale


DUAL WALL FABRICATED 22.5º BENDS
4" - 24" DIAMETER

	PART #	PIPE SIZE	A	JOINT
**	0492AN	4 in (100 mm)	4.5 in (114 mm)	*
**	0692AN	6 in (150 mm)	5.4 in (137 mm)	*
**	0892AN	8 in (200 mm)	7.6 in (194 mm)	*
**	1092AN	10 in (250 mm)	7.8 in (197 mm)	*
	1292AN	12 in (300 mm)	9.6 in (244 mm)	*
	1292AN65B	12 in (300 mm)	5.8 in (146 mm)	WT
	1592AN	15 in (375 mm)	13.1 in (334 mm)	*
	1592AN65B	15 in (375 mm)	5.4 in (137 mm)	WT
	1892AN	18 in (450 mm)	14.3 in (363 mm)	*
	1892AN65B	18 in (450 mm)	6.9 in (174 mm)	WT
	2492AN	24 in (600 mm)	18.9 in (480 mm)	*
	2492AN65B	24 in (600 mm)	9.5 in (240 mm)	WT

* = PLAIN END
ST = SOIL TIGHT
WT = WATER TIGHT
** LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

PLAIN END

WT (INCLUDES 2 GASKETS)

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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Advanced Drainage Systems, Inc.

DRAWING #:	2205	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	TJR	4/26/2016

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Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE "ARKANSAS 811" SYSTEM AT 1-800-482-8998 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

HALFF ASSOCIATES INC.
#1470

FILE PATH: A:\61000s\61407\001\LD\CADD\Sheets\61407-C-PLAN-DTLS.dwg
DATE PRINTED: 4/17/2026 4:39:45 PM

SEAL

No. 21446
BRANDON JOSEPH HEBERT
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

№.	DATE	DESCRIPTION
1	2026-03-06	ISSUE FOR SITE PERMIT

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Projectluong.com
TBAE REG. No. BR 4215

CONSULTANT

halff
5704 EUPER LN.
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TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

STORM DETAILS

SHEET NUMBER

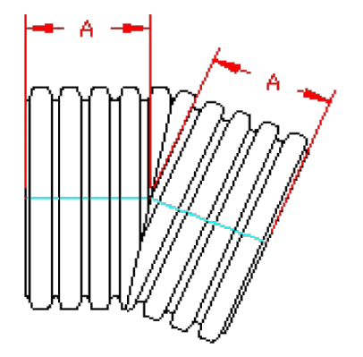
C7.01

DUAL WALL FABRICATED 30º BENDS
4" - 24" DIAMETER

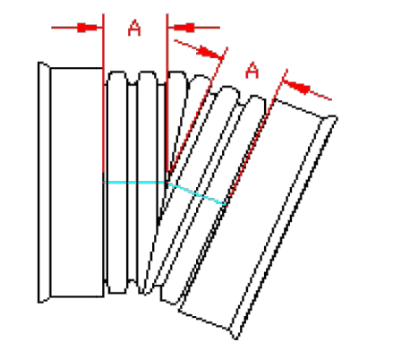
	PART #	PIPE SIZE	A	JOINT
**	0495AN	4 in (100 mm)	4.6 in (116 mm)	*
**	0695AN	6 in (150 mm)	5.5 in (139 mm)	*
**	0895AN	8 in (200 mm)	7.4 in (189 mm)	*
**	1095AN	10 in (250 mm)	8.4 in (214 mm)	*
	1295AN	12 in (300 mm)	9.7 in (245 mm)	*
	1295AN65B	12 in (300 mm)	5.8 in (146 mm)	WT
	1595AN	15 in (375 mm)	12.4 in (315 mm)	*
	1595AN65B	15 in (375 mm)	7.8 in (197 mm)	WT
	1895AN	18 in (450 mm)	12.4 in (316 mm)	*
	1895AN65B	18 in (450 mm)	6.7 in (170 mm)	WT
	2495AN	24 in (600 mm)	15.9 in (404 mm)	*
	2495AN65B	24 in (600 mm)	9.5 in (240 mm)	WT

* = PLAIN END
ST = SOIL TIGHT
WT = WATER TIGHT

** LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS



PLAIN END



WT (INCLUDES 2 GASKETS)

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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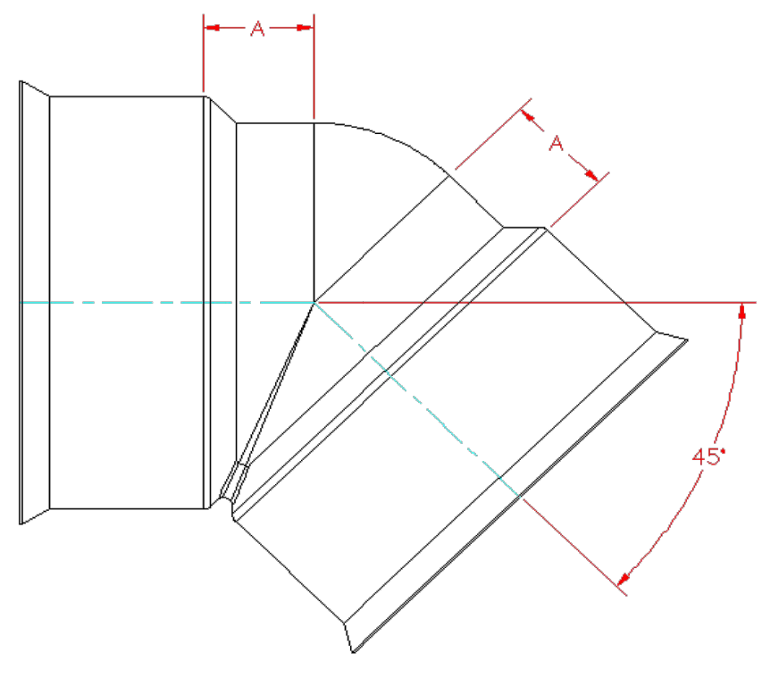
ADS
Advanced Drainage Systems, Inc.

DRAWING #:	2210	
DRAWN BY:	JCB	04.06.06
APPROVED BY:	JCB	06.25.07
REVISIONS:	TJR	4/26/2016

INJECTION MOLDED 45° BEND
4" - 12" DIAMETER

PART #	PIPE SIZE	A	JOINT
0494ST	4 in (100 mm)	1.3 in (33 mm)	ST
0494WT	4 in (100 mm)	1.3 in (33 mm)	WT
0694ST	6 in (150 mm)	1.8 in (46 mm)	ST
0694WT	6 in (150 mm)	1.8 in (46 mm)	WT
0894ST	8 in (200 mm)	2.4 in (60 mm)	ST
0894WT	8 in (200 mm)	2.4 in (60 mm)	WT
1094ST	10 in (250 mm)	3.4 in (87 mm)	ST
1094WT	10 in (250 mm)	3.4 in (87 mm)	WT
1294ST	12 in (300 mm)	4.4 in (112 mm)	ST
1294WT	12 in (300 mm)	4.4 in (112 mm)	WT



NOTE:
FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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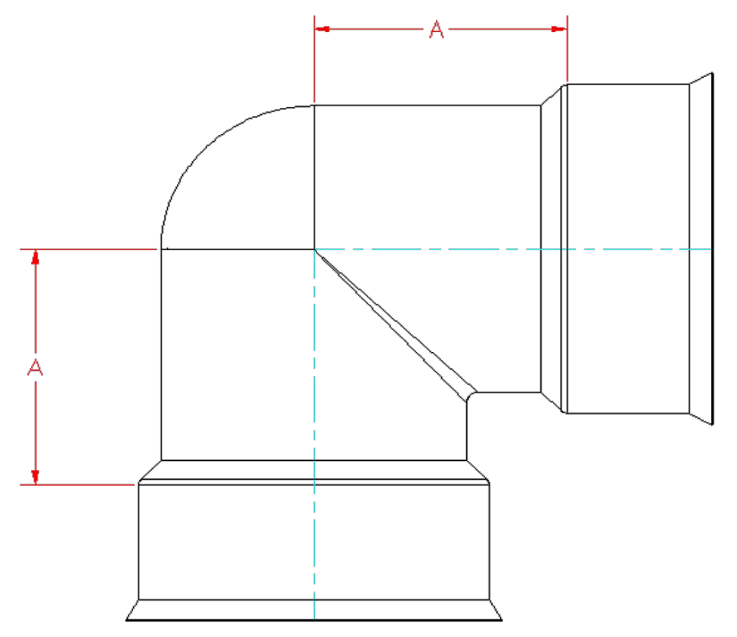
DRAWING #:	3200	
DRAWN BY:	JCB	07.31.06
APPROVED BY:		
REVISIONS:	NJP	06.15.07

INJECTION MOLDED 90° BEND
4" - 12" DIAMETER

PART #	PIPE SIZE	A	JOINT
0499ST	4 in (100 mm)	3.7 in (93 mm)	ST
0499WT	4 in (100 mm)	3.7 in (93 mm)	WT
0699ST	6 in (150 mm)	5.2 in (133 mm)	ST
0699WT	6 in (150 mm)	5.2 in (133 mm)	WT
0899ST	8 in (200 mm)	6.9 in (175 mm)	ST
0899WT	8 in (200 mm)	6.9 in (175 mm)	WT
1099ST	10 in (250 mm)	8.9 in (227 mm)	ST
1099WT	10 in (250 mm)	8.9 in (227 mm)	WT
1299ST	12 in (300 mm)	11.3 in (286 mm)	ST
1299WT	12 in (300 mm)	11.3 in (286 mm)	WT



NOTE:
FITTINGS WHOSE PART NUMBERS END WITH "WT" HAVE WATER TIGHT BELL CONNECTIONS. WATER TIGHT BELLS ARE SHOWN HERE IN THIS DRAWING AND REQUIRE GASKETS TO BE FITTED TO DUAL WALL PIPE TO FORM A WATER TIGHT JOINT. (GASKETS INCLUDED)

FITTINGS WHOSE PART NUMBERS END WITH "ST" HAVE SOIL TIGHT BELL CONNECTIONS. SOIL TIGHT BELLS HAVE MOLDED CLEATS AND REQUIRE NO GASKET TO MAKE CONNECTION TO DUAL WALL PIPE.

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

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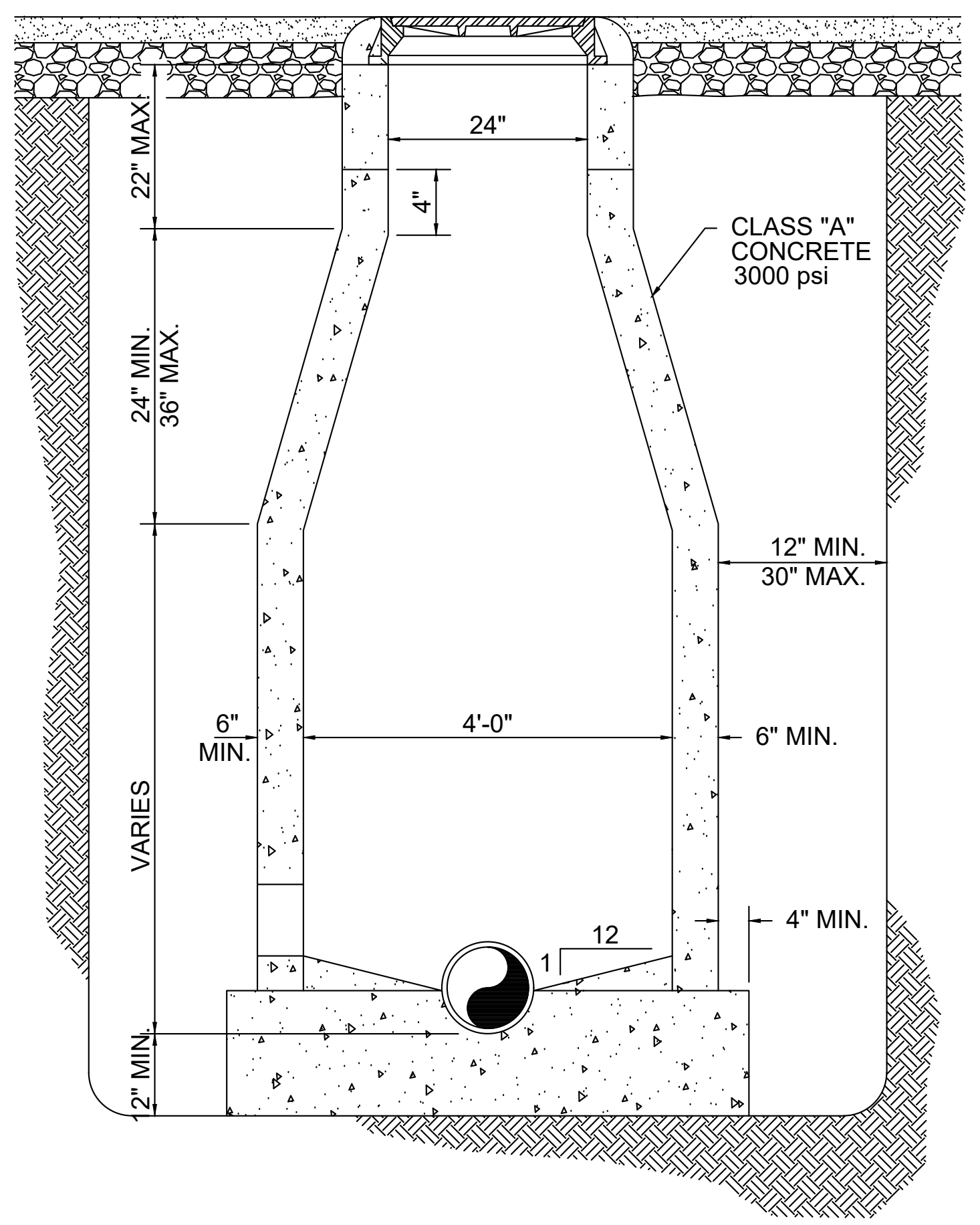
ADS
Advanced Drainage Systems, Inc.

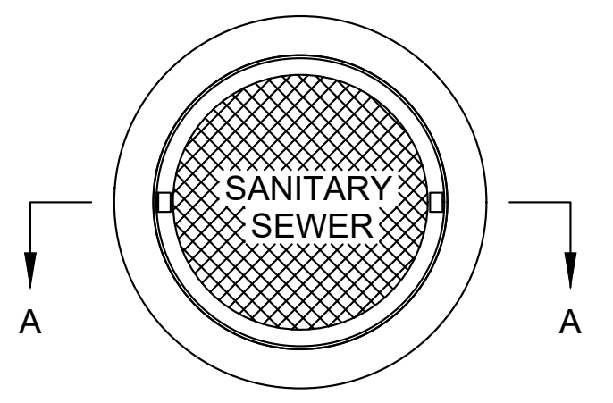
DRAWING #:	3300	
DRAWN BY:	JCB	07.31.06
APPROVED BY:		
REVISIONS:	NJP	06.15.07

NOTE:
TRENCHING, BACKFILL AND SURFACE RESTORATION PER DRAWING ON TB1



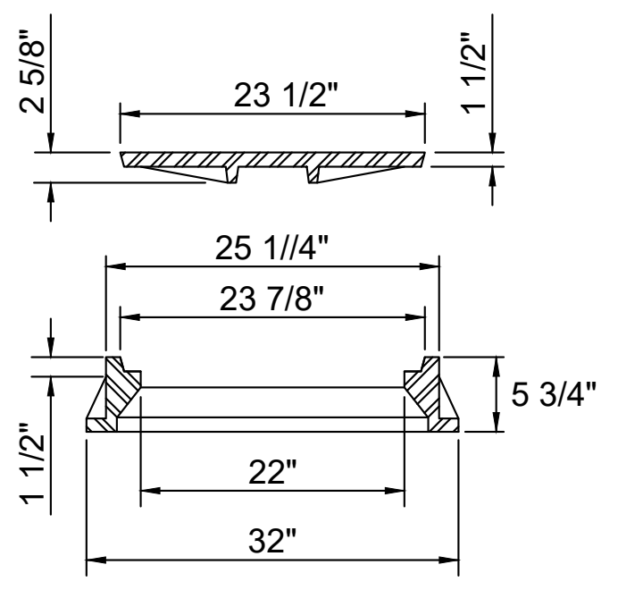
24"
4"
22" MAX.
24" MIN.
36" MAX.
CLASS "A"
CONCRETE
3000 psi
12" MIN.
30" MAX.
6"
MIN.
4'-0"
6" MIN.
VARIES
4" MIN.
12
1
12" MIN.

SECTION - TYPICAL MANHOLE
N.T.S.
SS.1.5



SANITARY
SEWER
A
A

PLAN VIEW



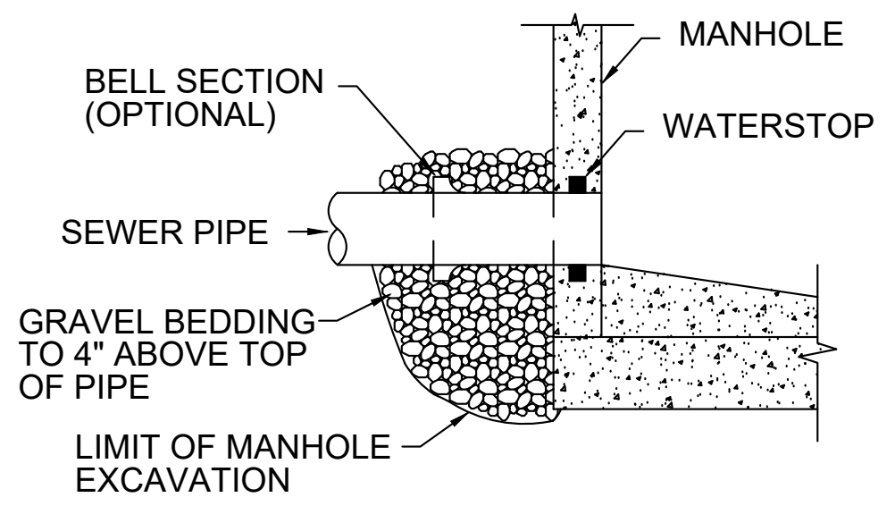
2 5/8"
23 1/2"
1 1/2"
25 1//4"
23 7/8"
5 3/4"
1 1/2"
22"
32"

SECTION "A-A"

ASSEMBLED
WEIGHT:
260 LBS.

EAST JORDAN IRON WORKS 1348-1 OR DEETER FOUNDRY 1266 FROM NEENAH

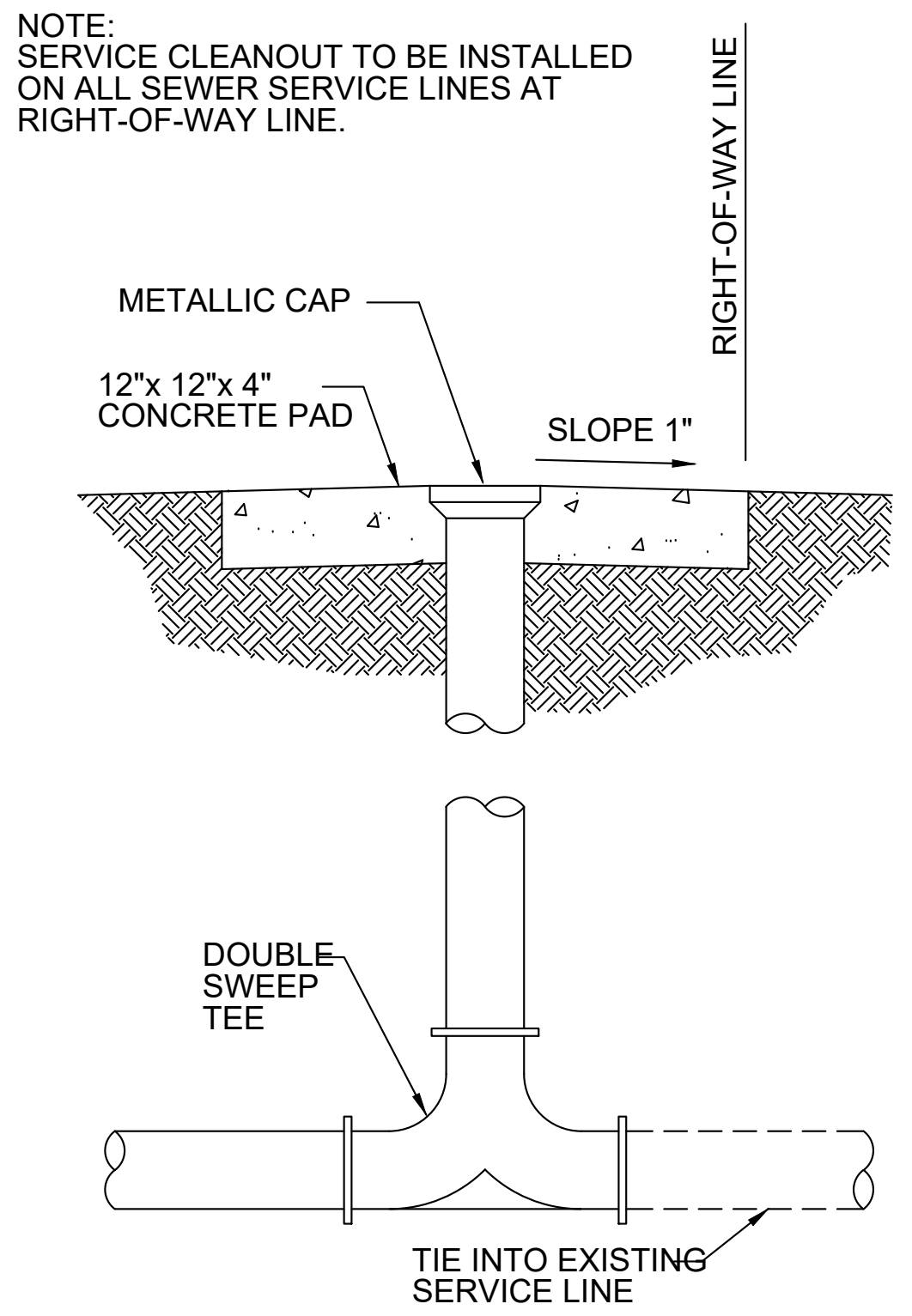
SANITARY SEWER
MANHOLE FRAME & COVER
N.T.S.
SS.2.4



BELL SECTION
(OPTIONAL)
MANHOLE
WATERSTOP
SEWER PIPE
GRAVEL BEDDING
TO 4" ABOVE TOP
OF PIPE
LIMIT OF MANHOLE
EXCAVATION

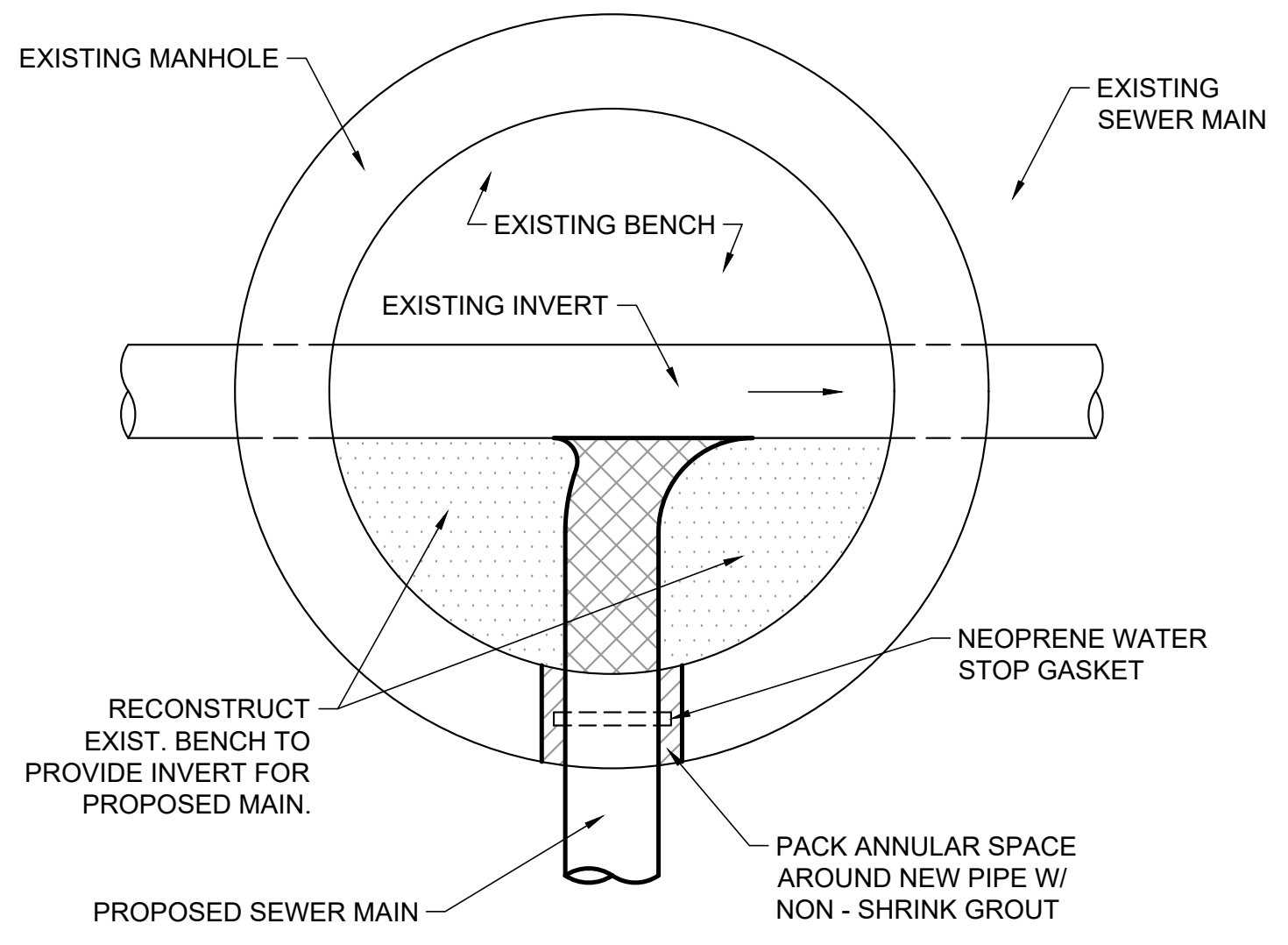
PIPE CONNECTION DETAIL
N.T.S.
SS.2.8

NOTE:
SERVICE CLEANOUT TO BE INSTALLED ON ALL SEWER SERVICE LINES AT RIGHT-OF-WAY LINE.



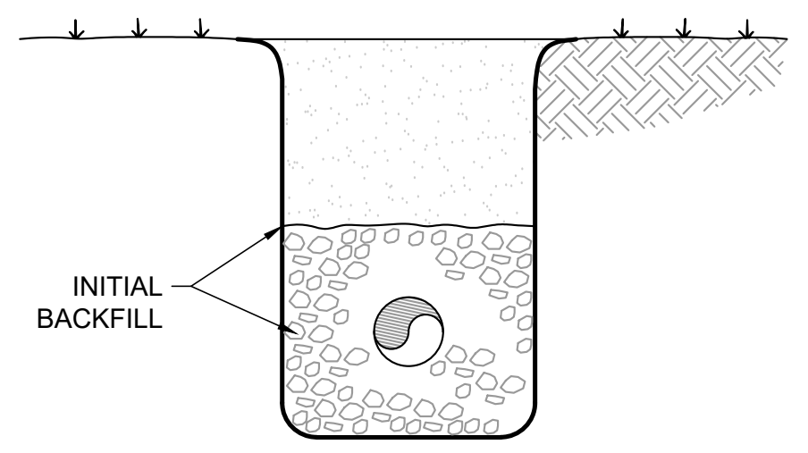
RIGHT-OF-WAY LINE
METALLIC CAP
12"x 12"x 4"
CONCRETE PAD
SLOPE 1"
DOUBLE
SWEEP
TEE
TIE INTO EXISTING
SERVICE LINE

SEWER SERVICE CONNECTION
AND CLEANOUT COLLAR
N.T.S.
SS.2.7



EXISTING MANHOLE
EXISTING
SEWER MAIN
EXISTING BENCH
EXISTING INVERT
RECONSTRUCT
EXIST. BENCH TO
PROVIDE INVERT FOR
PROPOSED MAIN.
NEOPRENE WATER
STOP GASKET
PACK ANNULAR SPACE
AROUND NEW PIPE W/
NON - SHRINK GROUT
PROPOSED SEWER MAIN

SS-40: PLAN - TIE TO EXISTING MANHOLE
NOT TO SCALE 9-10-2024



INITIAL
BACKFILL

BEDDING MATERIAL SHALL BE ASTM C 33, GRADATION NO. 67

SS-50: SEWER PIPE BEDDING DETAIL
NOT TO SCALE 09-06-2024

MANHOLE GENERAL NOTES:

1. MANHOLES ARE TO BE CAST IN PLACE OR APPROVED PRECAST.
2. WATERSTOPS MUST BE USED WITH ALL TYPES OF PIPE AT MANHOLE CONNECTIONS.
3. RIM ELEVATION TO BE AS NOTED ON PLANS. IN PAVED AREAS, RIM SHALL BE FLUSH WITH PAVEMENT GRADE AND CROSS SLOPE.

Know what's below.
Call before you dig.

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HALFF
ASSOCIATES
INC.
#1470

FILE PATH: A:\61000s\61407\001\LD\CADD\Sheets\61407-C-PLAN-DTLS.dwg
DATE PRINTED: 4/17/2026 4:39:48 PM

SEAL

No. 21446
BRANDON JOSEPH HEBERT
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

№.	DATE	DESCRIPTION
1	2026-03-06	ISSUE FOR SITE PERMIT

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SANTA MONICA	+1 213 394 7230	730 Arizona Ave., Santa Monica, CA 90401

Projectluong.com
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TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

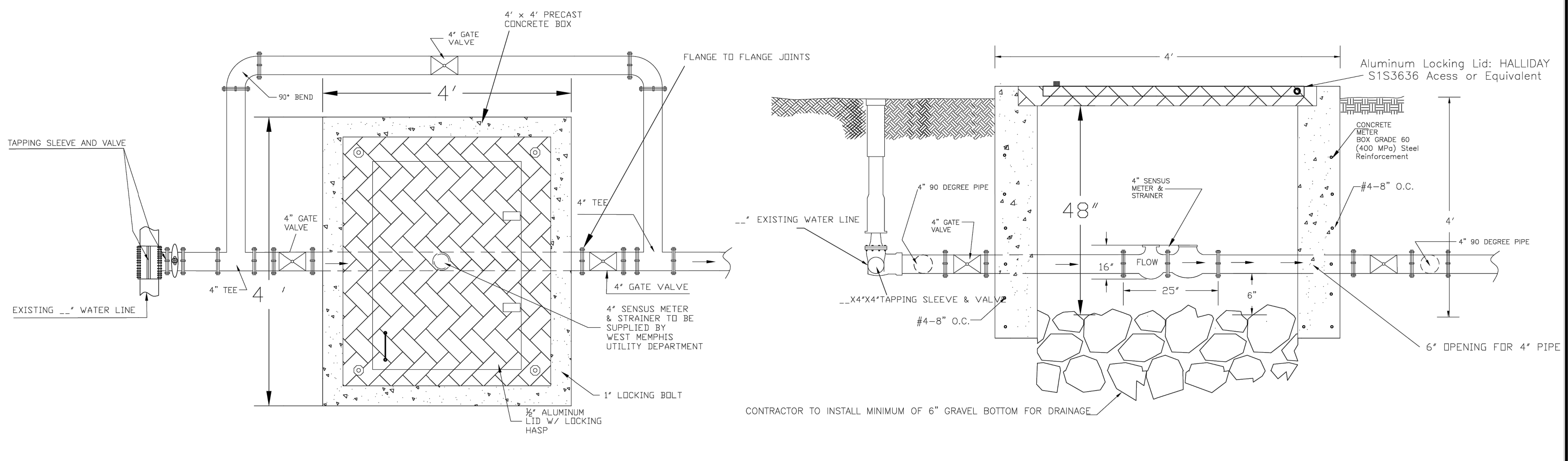
JOB No.: WESCIT00561

SHEET TITLE

STORM &
WASTEWATER
DETAILS

SHEET NUMBER

C7.02


4' x 4' PRECAST CONCRETE BOX
4" GATE VALVE
FLANGE TO FLANGE JOINTS
90° BEND
4'
TAPPING SLEEVE AND VALVE
4" TEE
4" GATE VALVE
4" TEE
4'
EXISTING __" WATER LINE
4" GATE VALVE
4" SENSUS METER & STRAINER TO BE SUPPLIED BY WEST MEMPHIS UTILITY DEPARTMENT
1" LOCKING BOLT
½" ALUMINUM LID W/ LOCKING HASP
__" EXISTING WATER LINE
4'
Aluminum Locking Lid: HALLIDAY S1S3636 Acess or Equivalent
CONCRETE METER BOX GRADE 60 (400 MPa) Steel Reinforcement
4" 90 DEGREE PIPE
4" GATE VALVE
48"
4" SENSUS METER & STRAINER
#4-8" O.C.
4'
4" 90 DEGREE PIPE
16"
FLOW
25"
6"
__X4"X4"TAPPING SLEEVE & VALVE
#4-8" O.C.
6" OPENING FOR 4" PIPE
CONTRACTOR TO INSTALL MINIMUM OF 6" GRAVEL BOTTOM FOR DRAINAGE

TOP VIEW

PROFILE VIEW

MASTER METER DETAIL

General Notes

METER IS TO BE PROVIDED BY A REPRESENTATIVE OF THE WEST MEMPHIS UTILITY COMMISSION.

METER IS TO BE INSTALLED BY CONTRACTOR AND INSPECTED BY A REPRESENTATIVE OF THE WEST MEMPHIS UTILITY COMMISSION.

METER BYPASS IS TO BE PROVIDED & INSTALLED BY CUSTOMER.

METER VAULT & ASSEMBLY TO BE PROVIDED & INSTALLED BY CUSTOMER.

No.	Revision/Issue	Date

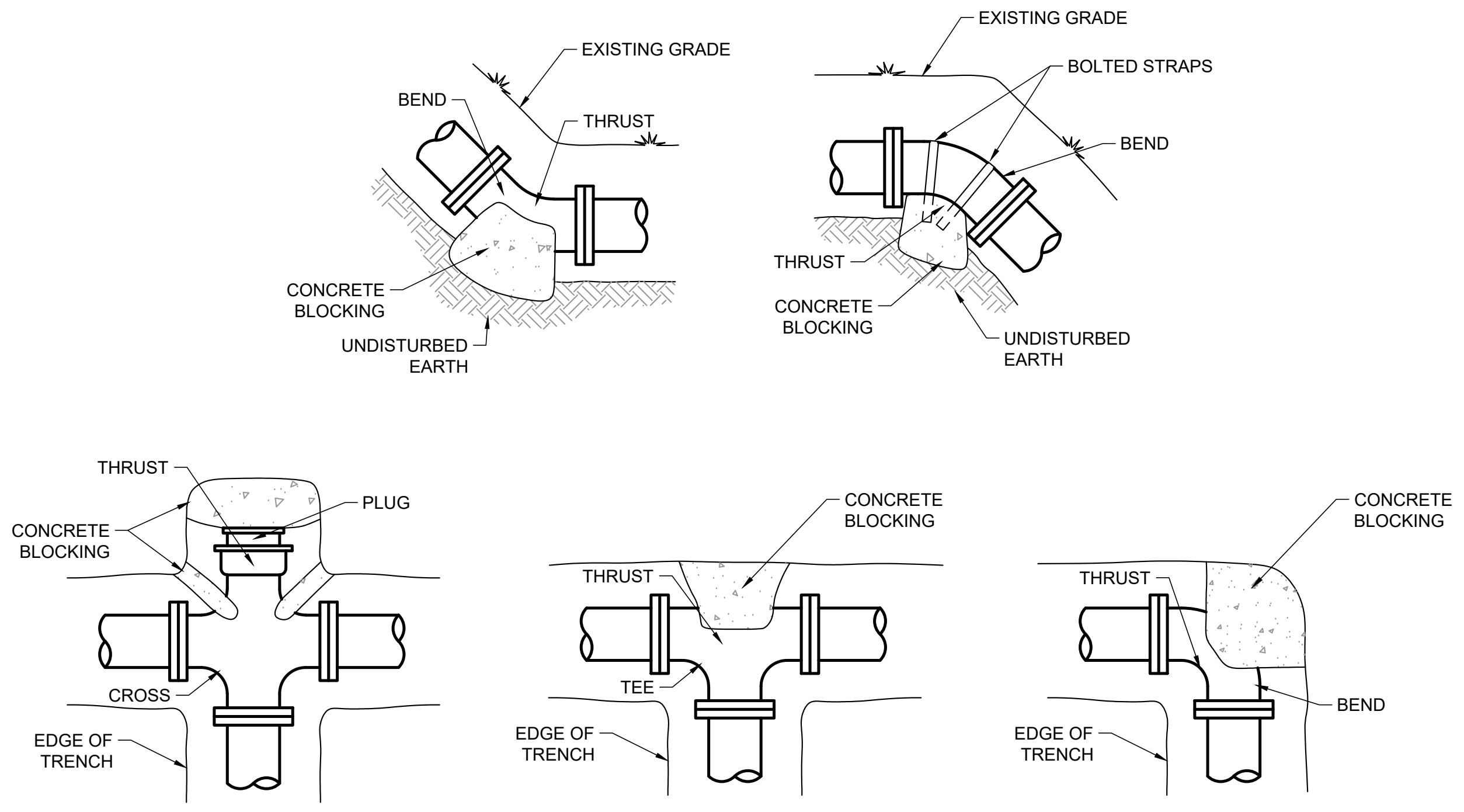
Firm Name and Address

WEST MEMPHIS
UTILITY
COMMISSION
604 E. COOPER
WEST MEMPHIS,
AR 72301

Project Name and Address

4" to 8" Water Meter Specification

Project
Date
Scale
NOT TO SCALE
Sheet


EXISTING GRADE
BEND
THRUST
CONCRETE BLOCKING
UNDISTURBED EARTH
EXISTING GRADE
BOLTED STRAPS
BEND
THRUST
CONCRETE BLOCKING
UNDISTURBED EARTH
THRUST
CONCRETE BLOCKING
PLUG
CROSS
EDGE OF TRENCH
CONCRETE BLOCKING
THRUST
TEE
EDGE OF TRENCH
CONCRETE BLOCKING
THRUST
BEND
EDGE OF TRENCH

WS-10: BLOCKING FOR BENDS, CROSSES & TEES

NOT TO SCALE 8-14-2024

THRUST PER PSI OF WATER PRESSURE (COEFFICIENT)

PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	$22\frac{1}{2}$° BEND	$11\frac{1}{4}$° BEND
2	4	5	3	2	1
3	7	10	6	3	2
4	13	18	10	5	3
6	21	40	22	11	6
8	59	84	39	20	10
10	79	112	61	31	16
12	112	160	87	45	23
14	154	219	119	61	31
16	200	285	155	79	40
18	253	361	196	100	51
20	313	446	242	123	62
22	378	539	292	149	75
24	450	642	348	177	90

BEARING STRENGTH OF SOILS

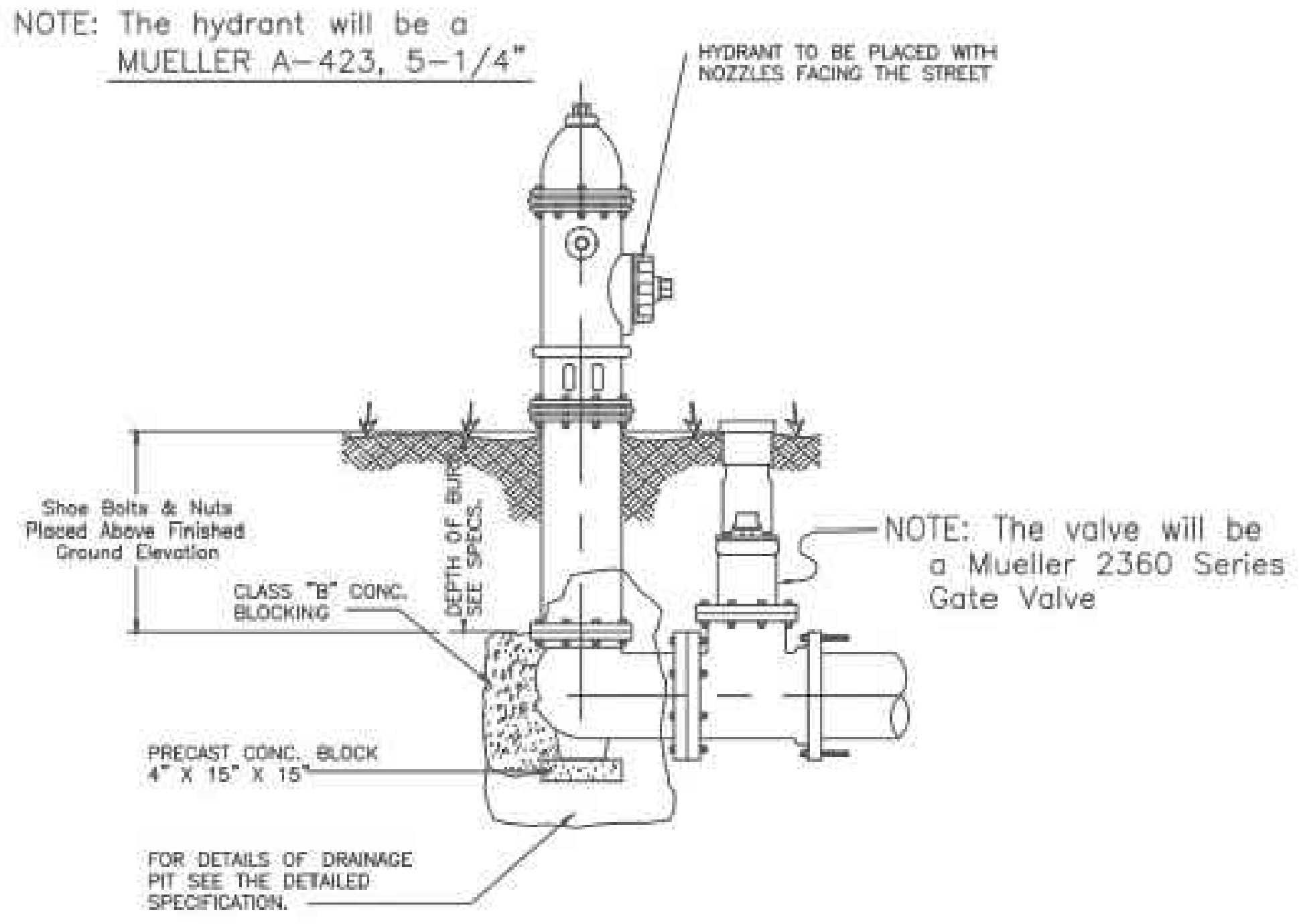
SOIL TYPE	SAFE BEARING LOAD, LBS./SQ. FT.
MUCK	0
SOFT CLAY	1,000
MEDIUM CLAY OR SAND	2,500
COMPACTED SAND	3,000
HARD CLAY	6,000
SHALE	10,000

NOTES:

1. A PROPERLY DESIGNED MECHANICAL RESTRAINT SYSTEM USING MEGA-LUGS BY EBAA IRON OR APPROVED EQUAL MAY BE USED IN LIEU OF CONCRETE BLOCKING.
2. NO CONCRETE BLOCKING SHALL BE USED IF A MECHANICAL RESTRAINT SYSTEM IS SHOWN ON THE PLANS.
3. AN ALLOWANCE FOR WATER HAMMER OF 50% OF THE PRESSURE CONDITION SHALL BE MADE IN SIZING ALL THRUST BLOCKS UNLESS OTHERWISE DIRECTED. FOR BENDS IN WHICH THE RESULTANT THRUST IS HORIZONTAL OR DOWNWARD, THE AREA OF UNDISTURBED TRENCH BACKING FOR THRUST BLOCKS SHALL BE IN ACCORDANCE WITH THE FOLLOWING FORMULA:
$$\text{SQ. FT. OF UNDISTURBED TRENCH BACKING} = \frac{\text{PRESSURE CONDITION X 1,5 X COEFFICIENT}}{\text{SAFE BEARING LOAD OF SOIL}}$$
EXAMPLE: 90° BEND, 8" LINE, 100 PSI LINE PRESSURE, MEDIUM CLAY
$$\text{SQ. FT. OF TRENCH BACKING} = \frac{100 \times 1.5 \times 84}{2.500} = 5.0 \text{ SQ. FT.}$$
4. THE MINIMUM AREA OF TRENCH BACKING FOR THRUST BLOCKS SHALL BE 1.0 SQ. FT. REGARDLESS OF SIZE GIVEN BY FORMULA.
5. FOR VERTICAL BENDS IN WHICH THE RESULTANT THRUST IS UPWARD, THE THRUST BLOCK SHALL BE SIZED IN ACCORDANCE WITH THE FOLLOWING FORMULA:
$$\text{SIZE OF BLOCK (CU. FT.)} = \frac{\text{PRESSURE CONDITION x 1.5 x COEFFICIENT}}{150}$$
EXAMPLE: 11-$\frac{1}{4}$" VERTICAL BEND W/ UPWARD THRUST, 16" PIPE, 100 PSI
(SOIL TYPE IS NOT CONSIDERED)
$$\text{SIZE OF BLOCK} = \frac{100 \times 1.5 \times 40}{150} = 40 \text{ CU. FT.}$$
6. THE STRAPS FOR VERTICAL BENDS SHALL BE OF GALVANIZED STEEL WITH MINIMUM DIMENSIONS OF $\frac{3}{16}$" x 2-$\frac{1}{2}$". THE LENGTH OF THE STRAPS SHALL BE SUFFICIENT TO PROVIDE FOR 12 INCHES OF EMBEDMENT OF EACH END INTO THE CONCRETE BLOCK. THE END 2 INCHES OF THE STRAP SHALL BE BENT AT 90 DEGREES TO THE AXIS OF THE STRAP TO PROVIDE FOR ANCHORAGE. COSTS OF STRAPS IS TO BE INCLUDED IN THE UNIT PRICE FOR CONCRETE BLOCKING.

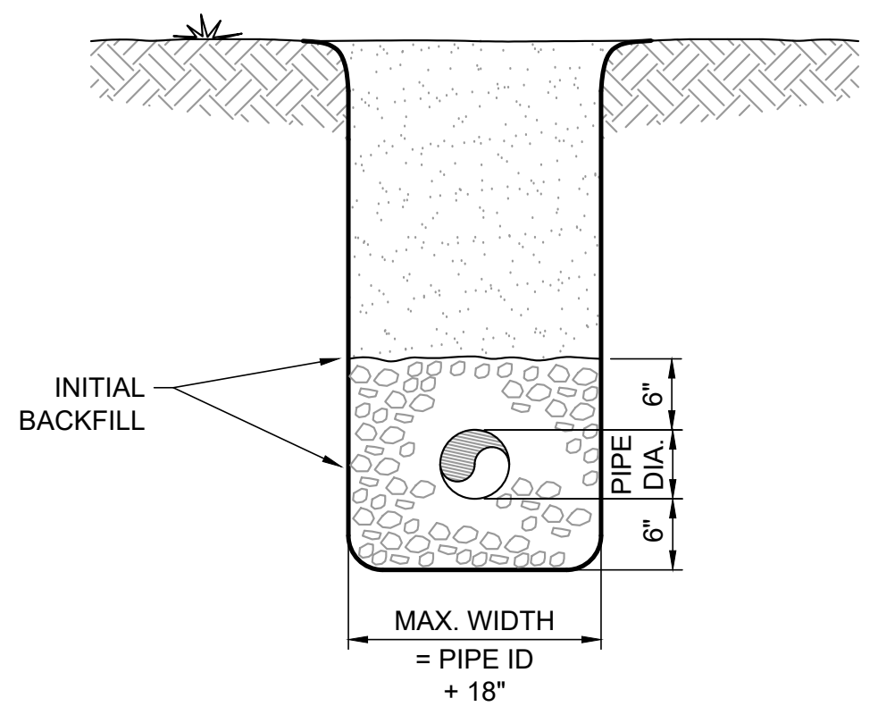
WS-20: CONCRETE BLOCKING DATA

NOT TO SCALE 8-14-2024


NOTE: The hydrant will be a MUELLER A-423, 5-1/4"
HYDRANT TO BE PLACED WITH NOZZLES FACING THE STREET
Shoe Bolts & Nuts Placed Above Finished Ground Elevation
DEPTH OF BURY SEE SPECS.
CLASS "B" CONC. BLOCKING
NOTE: The valve will be a Mueller 2360 Series Gate Valve
PRECAST CONC. BLOCK 4" X 15" X 15"
FOR DETAILS OF DRAINAGE PIT SEE THE DETAILED SPECIFICATION.

FIRE HYDRANT DETAIL

FLANGED HYDRANT &
MJ X FLANGED GATE VALVE

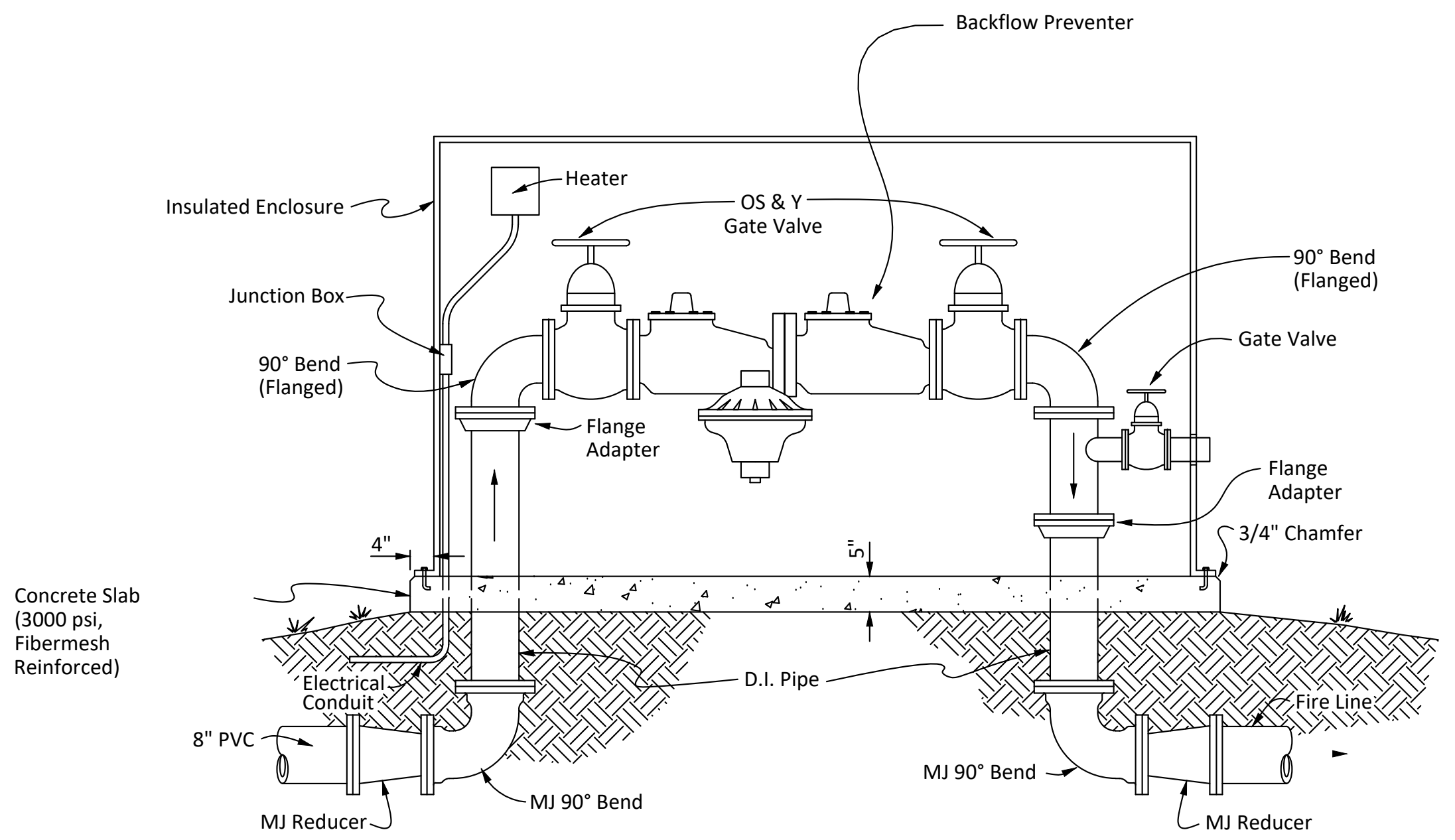

INITIAL BACKFILL
6"
PIPE DIA.
6"
MAX. WIDTH = PIPE ID + 18"

NOTE:

1. BEDDING MATERIAL SHALL CONFORM TO SECTION ASTM C 33, GRADATION NO. 67

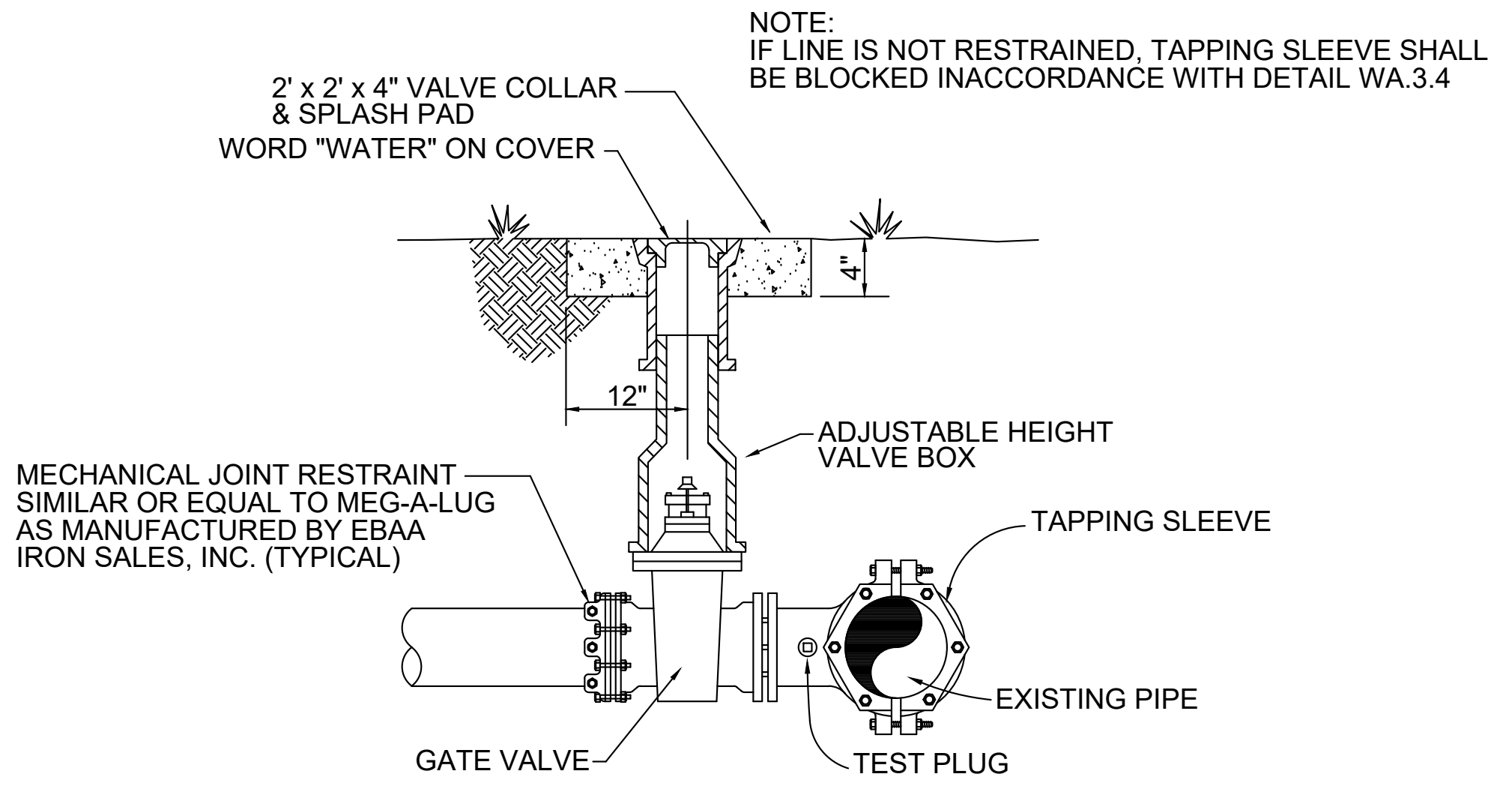
WS-35: WATER PIPE BEDDING

NOT TO SCALE 9-19-2024


Backflow Preventer
Heater
Insulated Enclosure
OS & Y Gate Valve
Junction Box
90° Bend (Flanged)
90° Bend (Flanged)
Gate Valve
Flange Adapter
Flange Adapter
4"
5"
3/4" Chamfer
Concrete Slab (3000 psi, Fibermesh Reinforced)
Electrical Conduit
D.I. Pipe
Fire Line
8" PVC
MJ Reducer
MJ 90° Bend
MJ 90° Bend
MJ Reducer

RPZ BACKFLOW PREVENTER

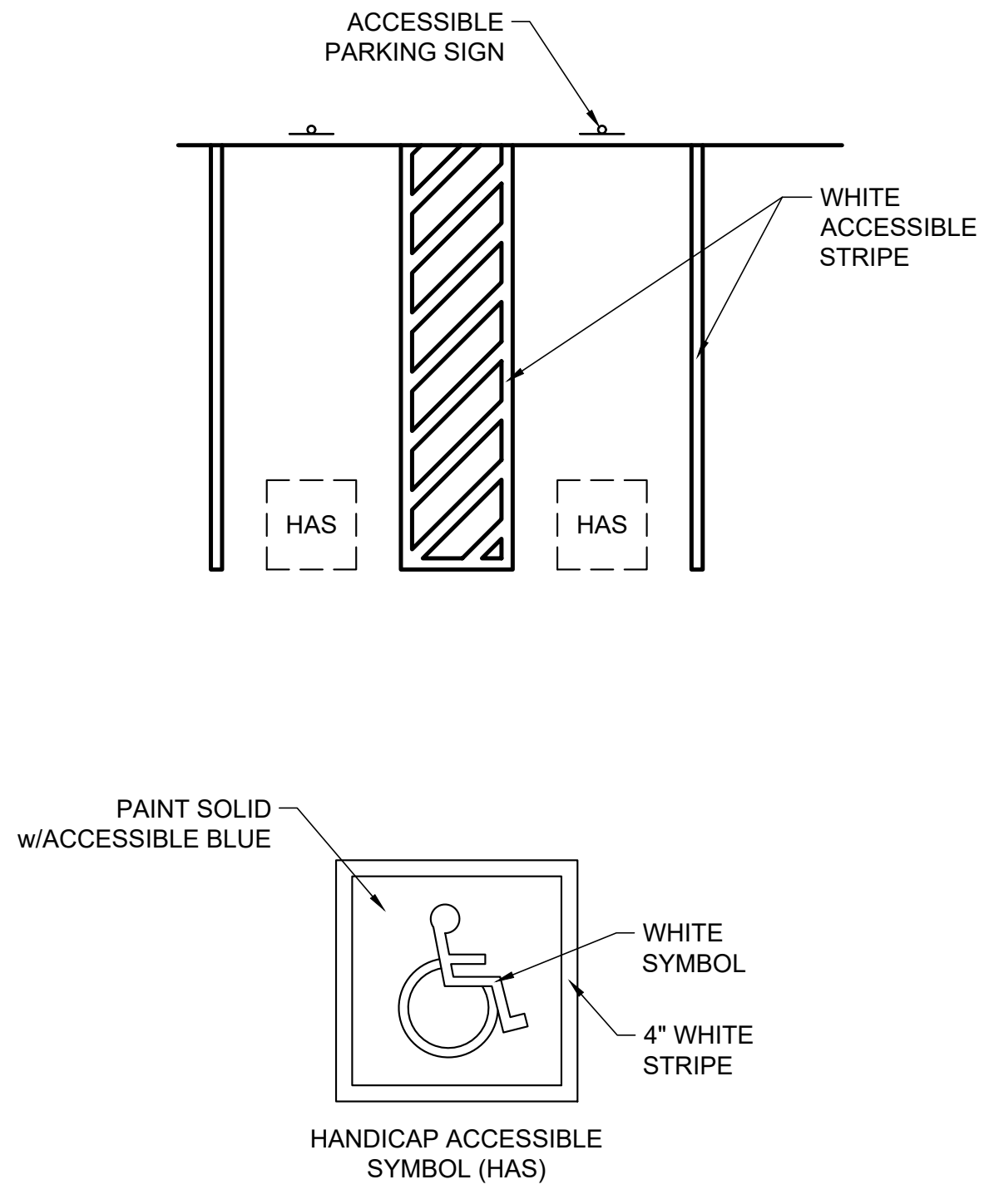
Not to Scale


NOTE:
IF LINE IS NOT RESTRAINED, TAPPING SLEEVE SHALL BE BLOCKED INACCORDANCE WITH DETAIL WA.3.4
2' x 2' x 4" VALVE COLLAR & SPLASH PAD
WORD "WATER" ON COVER
4"
12"
ADJUSTABLE HEIGHT VALVE BOX
MECHANICAL JOINT RESTRAINT SIMILAR OR EQUAL TO MEG-A-LUG AS MANUFACTURED BY EBAA IRON SALES, INC. (TYPICAL)
TAPPING SLEEVE
EXISTING PIPE
GATE VALVE
TEST PLUG

TAPPING SLEEVE & VALVE

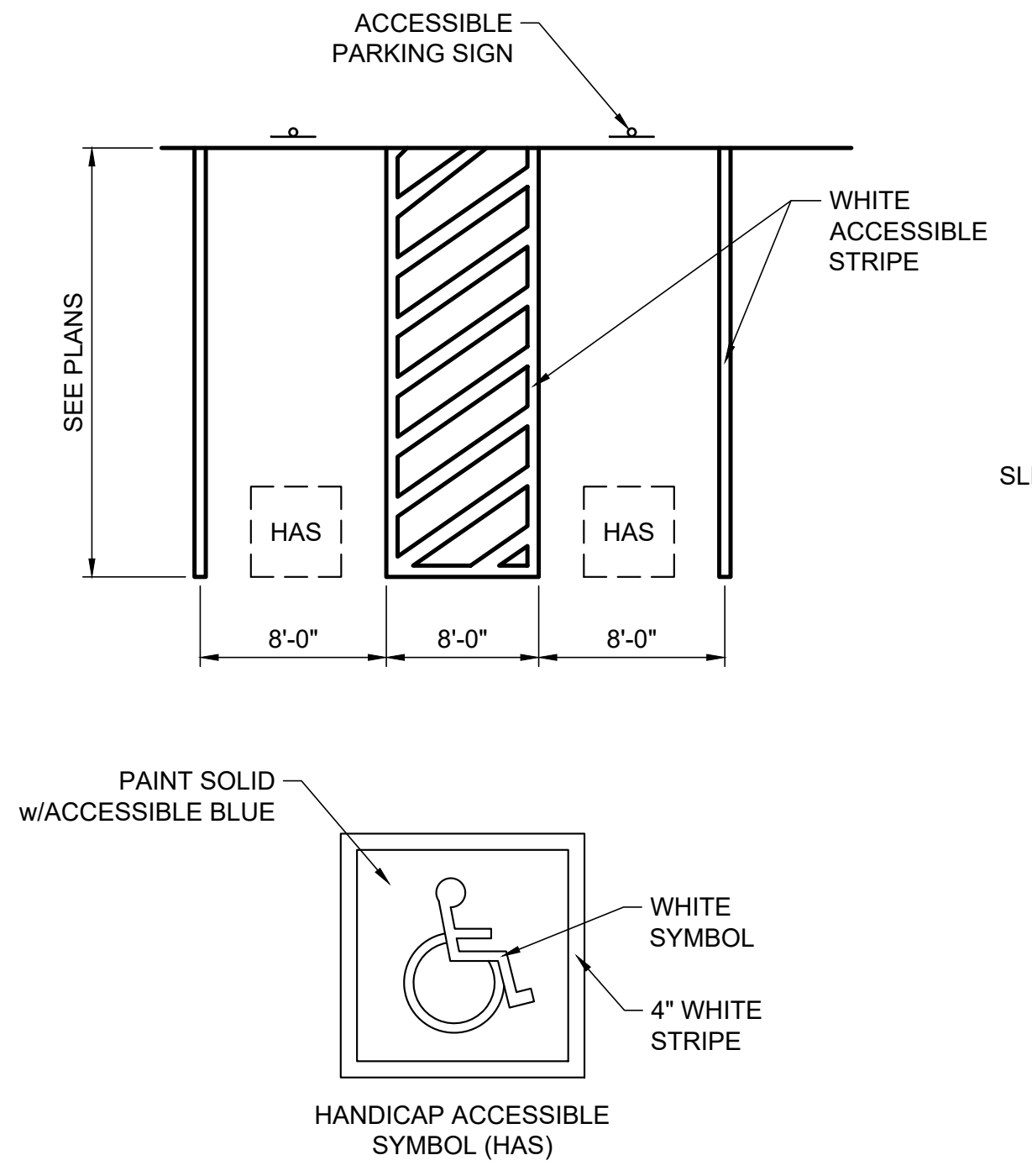
N.T.S.

WA.3.3


ACCESSIBLE PARKING SIGN
WHITE ACCESSIBLE STRIPE
HAS
HAS
PAINT SOLID w/ACCESSIBLE BLUE
WHITE SYMBOL
4" WHITE STRIPE
HANDICAP ACCESSIBLE SYMBOL (HAS)

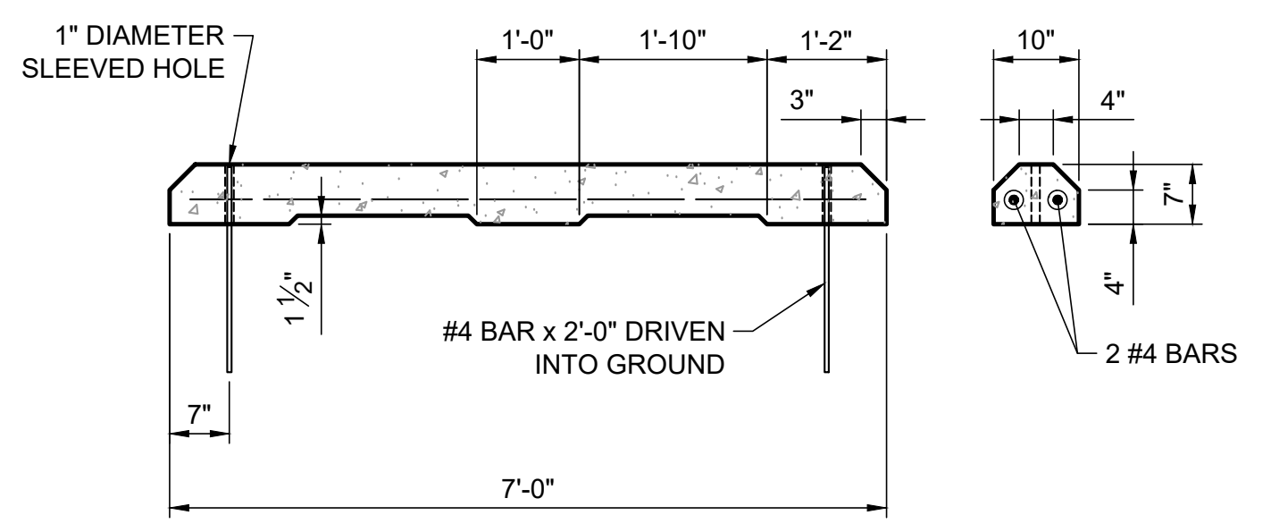
PS-80: ACCESSIBLE PARKING SPACE LAYOUT

NOT TO SCALE 8-9-2024


ACCESSIBLE PARKING SIGN
WHITE ACCESSIBLE STRIPE
SEE PLANS
HAS
HAS
8'-0"
8'-0"
8'-0"
PAINT SOLID w/ACCESSIBLE BLUE
WHITE SYMBOL
4" WHITE STRIPE
HANDICAP ACCESSIBLE SYMBOL (HAS)

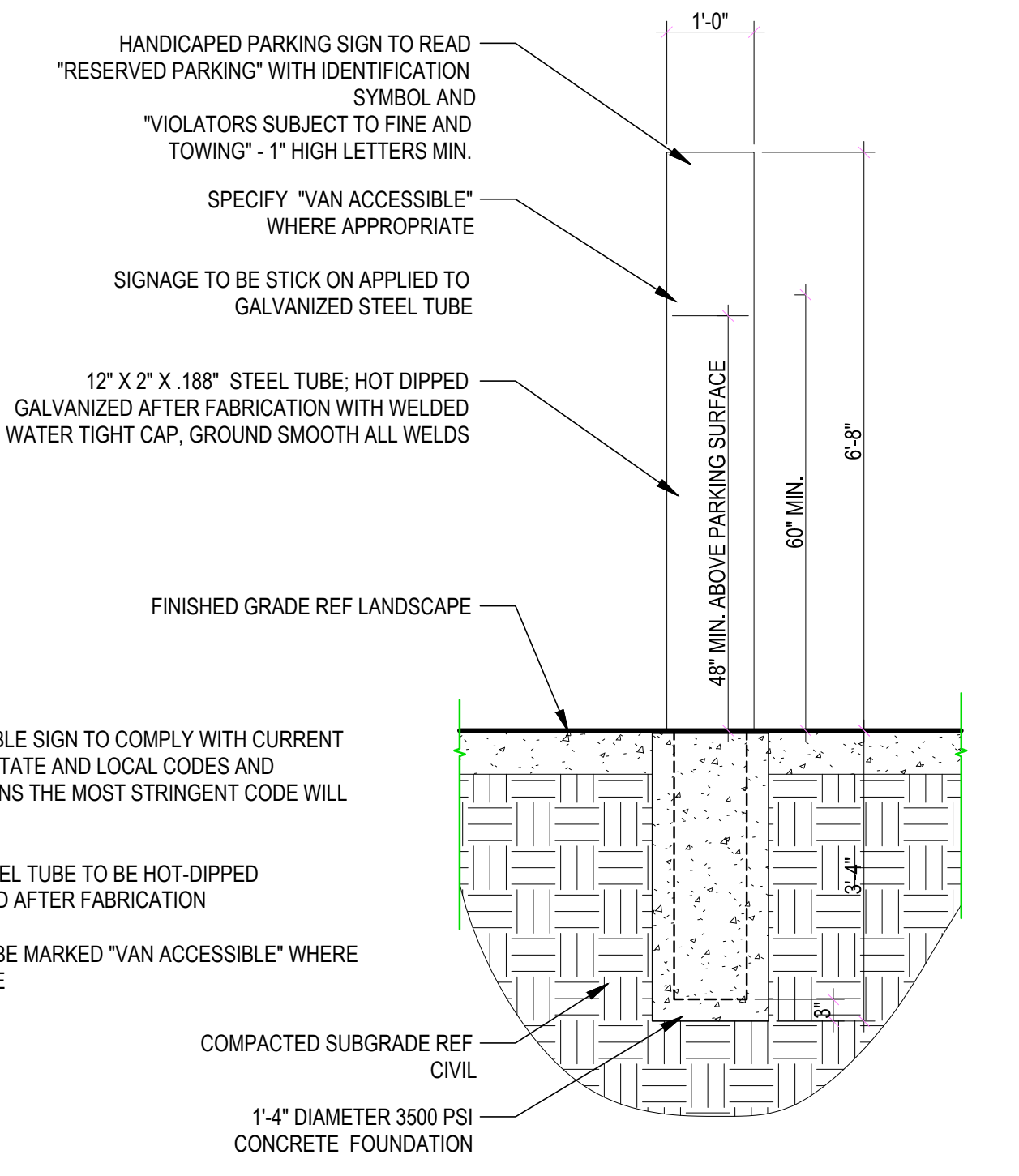
PS-90: HANDICAP ACCESSIBLE VAN PARKING SPACE LAYOUT

NOT TO SCALE 8-9-2024


1" DIAMETER SLEEVED HOLE
1'-0"
1'-10"
1'-2"
3"
10"
4"
7"
4"
1½"
#4 BAR x 2'-0" DRIVEN INTO GROUND
2 #4 BARS
7"
7'-0"

PS-130: PRECAST CONCRETE WHEELSTOP

NOT TO SCALE 8-9-2024

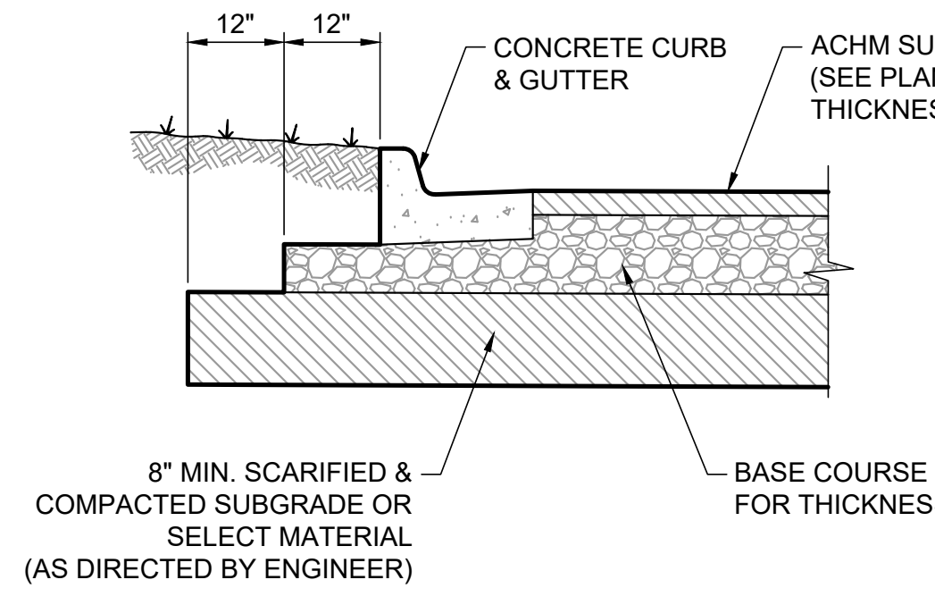

1'-0"
HANDICAPED PARKING SIGN TO READ "RESERVED PARKING" WITH IDENTIFICATION SYMBOL AND "VIOLATORS SUBJECT TO FINE AND TOWING" - 1" HIGH LETTERS MIN.
SPECIFY "VAN ACCESSIBLE" WHERE APPROPRIATE
SIGNAGE TO BE STICK ON APPLIED TO GALVANIZED STEEL TUBE
12" X 2" X .188" STEEL TUBE; HOT DIPPED GALVANIZED AFTER FABRICATION WITH WELDED WATER TIGHT CAP, GROUND SMOOTH ALL WELDS
48" MIN. ABOVE PARKING SURFACE
60" MIN.
6'-8"
FINISHED GRADE REF LANDSCAPE
3'-4"
3"
COMPACTED SUBGRADE REF CIVIL
1'-4" DIAMETER 3500 PSI CONCRETE FOUNDATION

1. ACCESSIBLE SIGN TO COMPLY WITH CURRENT FEDERAL, STATE AND LOCAL CODES AND REGULATIONS THE MOST STRINGENT CODE WILL GUIDE

2. SIGN STEEL TUBE TO BE HOT-DIPPED GALVANIZED AFTER FABRICATION

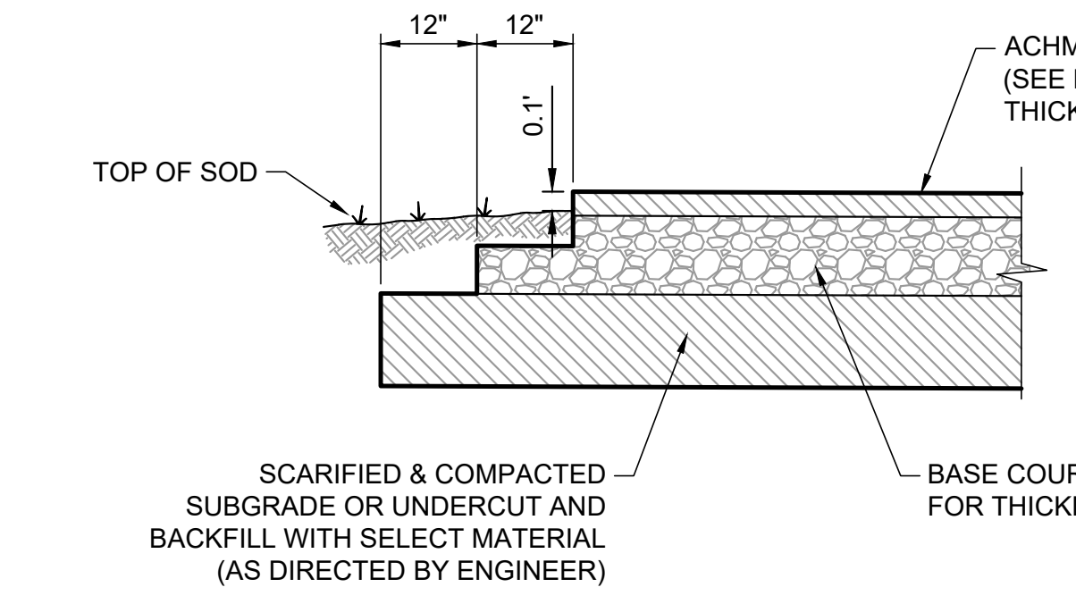
3. SIGN TO BE MARKED "VAN ACCESSIBLE" WHERE APPLICABLE

ADA SIGN


12"
12"
CONCRETE CURB & GUTTER
ACHM SURFACE (SEE PLAN FOR THICKNESS & TYPE)
8" MIN. SCARIFIED & COMPACTED SUBGRADE OR SELECT MATERIAL (AS DIRECTED BY ENGINEER)
BASE COURSE (SEE PLAN FOR THICKNESS & TYPE)

PS-10: ASPHALT PARKING PAVEMENT SECTION

NOT TO SCALE 4-24-2024


12"
12"
0.1'
TOP OF SOD
ACHM SURFACE (SEE PLAN FOR THICKNESS & TYPE)
SCARIFIED & COMPACTED SUBGRADE OR UNDERCUT AND BACKFILL WITH SELECT MATERIAL (AS DIRECTED BY ENGINEER)
BASE COURSE (SEE PLAN FOR THICKNESS & TYPE)

PS-11: ASPHALT PARKING PAVEMENT SECTION WITHOUT CURB

NOT TO SCALE

4-24-2024

HALFF ASSOCIATES INC. #1470

Know what's below. Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE "ARKANSAS 811" SYSTEM AT 1-800-482-8998 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

FILE PATH: A:\61000s\61407\001\LD\CADD\Sheets\61407-C-PLAN-DTLS.dwg
DATE PRINTED: 4/17/2026 4:39:50 PM

SEAL

BRANDON JOSEPH HEBERT
No. 21446
Brandon Hebert
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

№.	DATE	DESCRIPTION
1	2026-03-06	ISSUE FOR SITE PERMIT

ARCHITECT

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TBAE REG. No. BR 4215

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5704 EUPER LN.
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TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

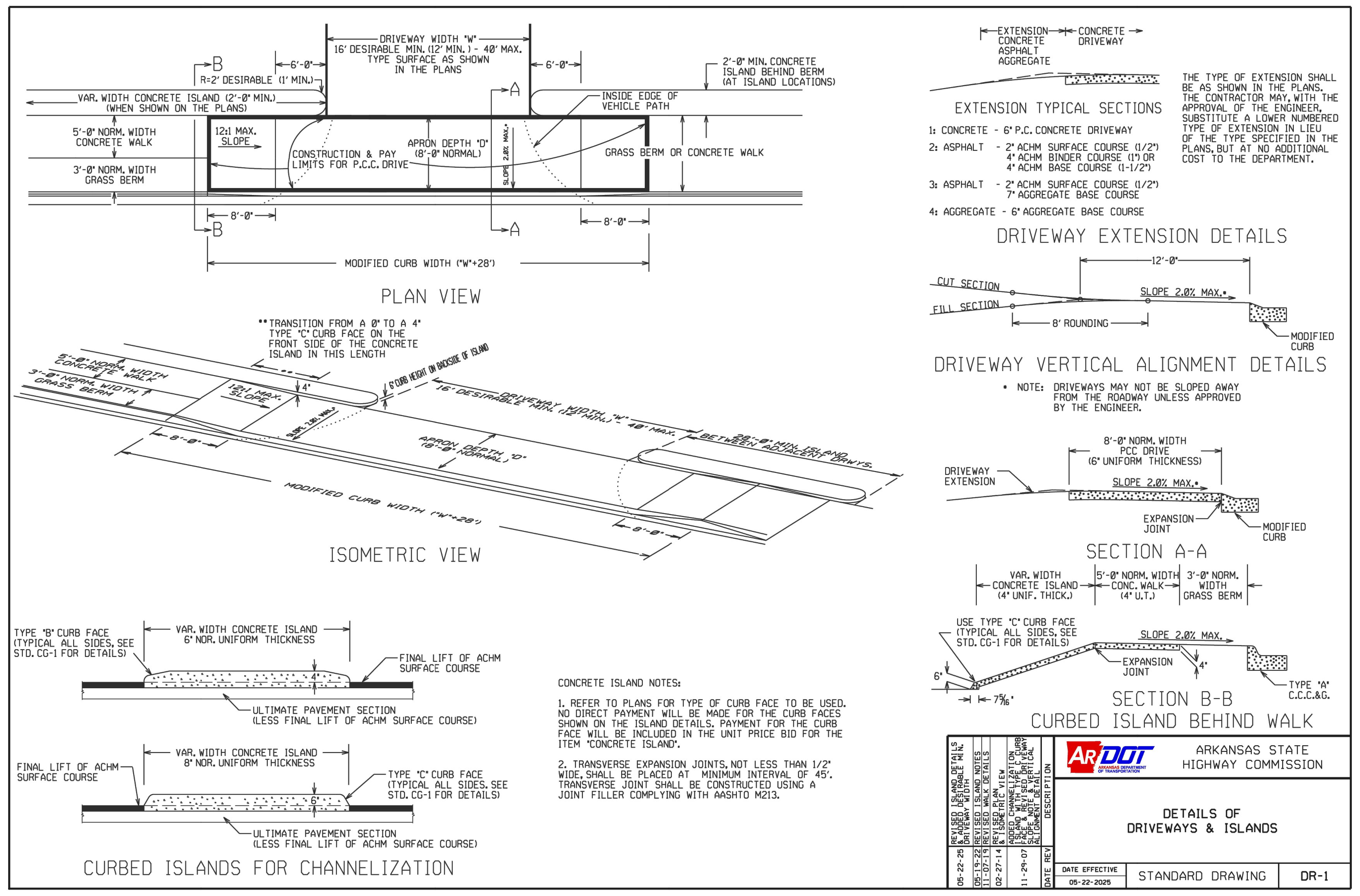
JOB No.: WESCIT00561

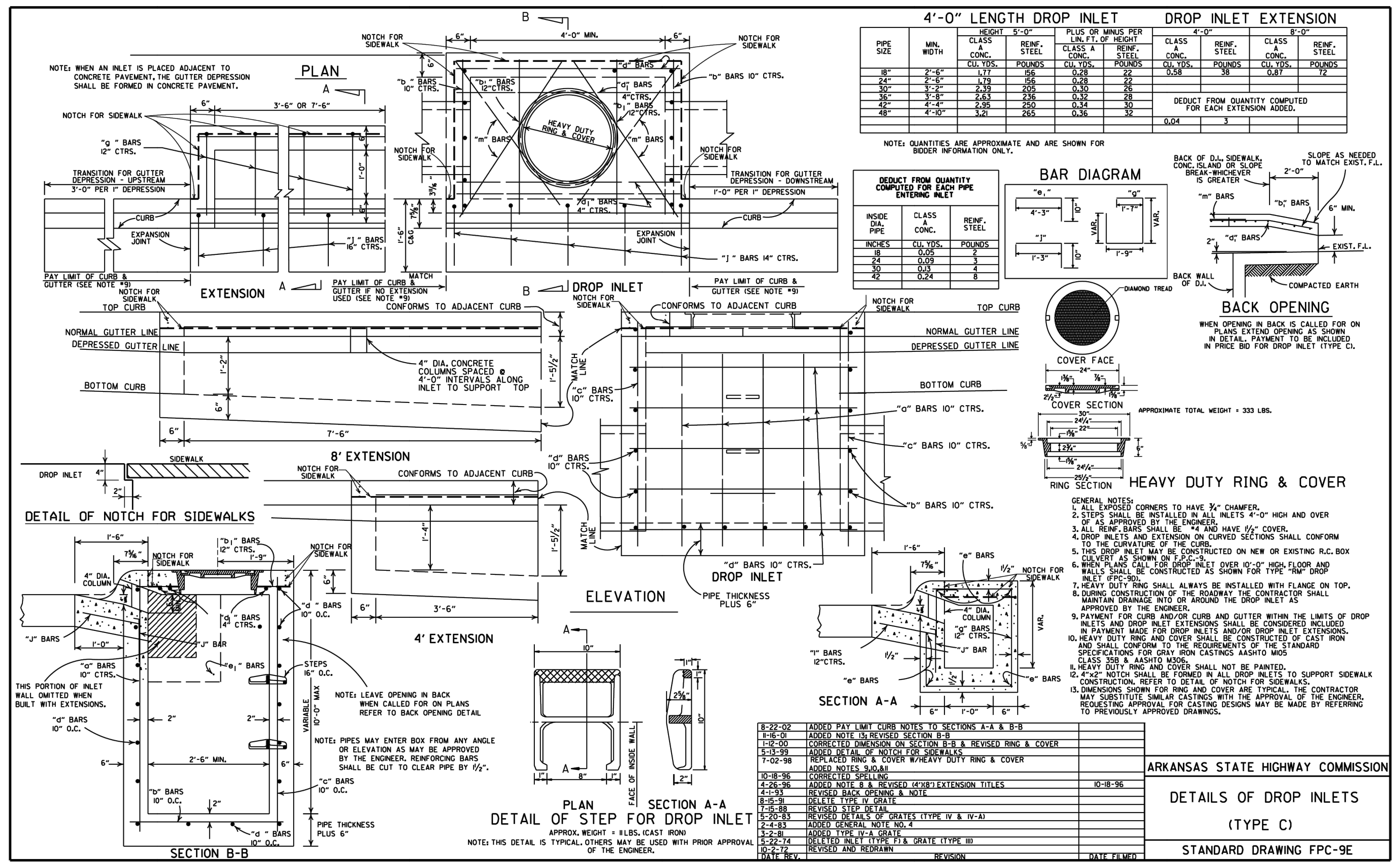
SHEET TITLE

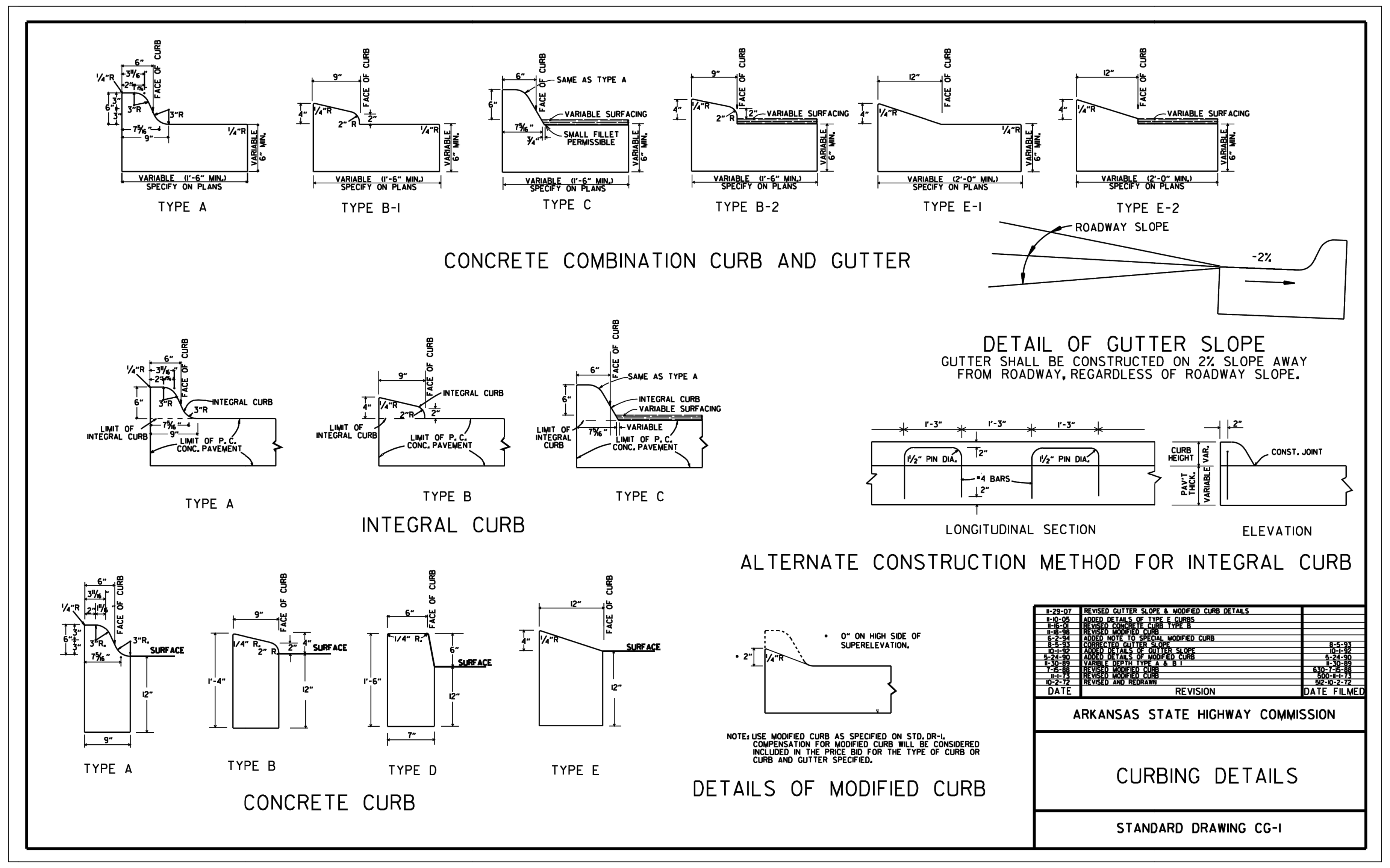
WATER LINE,
HANDICAP, &
PAVING DETAILS

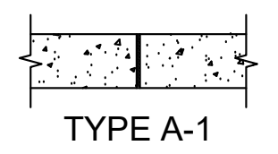
SHEET NUMBER

C7.03

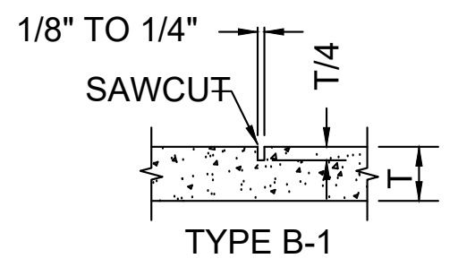

DRIVEWAY WIDTH "W"
PLAN VIEW
ISOMETRIC VIEW
CURBED ISLANDS FOR CHANNELIZATION
EXTENSION TYPICAL SECTIONS
DRIVEWAY EXTENSION DETAILS
DRIVEWAY VERTICAL ALIGNMENT DETAILS
SECTION A-A
SECTION B-B
CURBED ISLAND BEHIND WALK
CONCRETE ISLAND NOTES:
ARKANSAS STATE HIGHWAY COMMISSION
DETAILS OF DRIVEWAYS & ISLANDS
STANDARD DRAWING DR-1


4'-0" LENGTH DROP INLET
DROP INLET EXTENSION
PLAN
BAR DIAGRAM
EXTENSION
DROP INLET
BACK OPENING
8" EXTENSION
DETAIL OF NOTCH FOR SIDEWALKS
ELEVATION
HEAVY DUTY RING & COVER
4" EXTENSION
SECTION A-A
DETAIL OF STEP FOR DROP INLET
SECTION B-B
ARKANSAS STATE HIGHWAY COMMISSION
DETAILS OF DROP INLETS (TYPE C)
STANDARD DRAWING FPC-9E

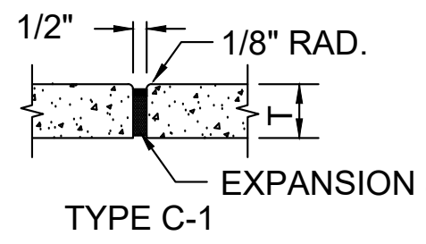

TYPE A
TYPE B-1
TYPE C
TYPE B-2
TYPE E-1
TYPE E-2
CONCRETE COMBINATION CURB AND GUTTER
ROADWAY SLOPE
DETAIL OF GUTTER SLOPE
GUTTER SHALL BE CONSTRUCTED ON 2% SLOPE AWAY FROM ROADWAY, REGARDLESS OF ROADWAY SLOPE.
INTEGRAL CURB
LONGITUDINAL SECTION
ELEVATION
ALTERNATE CONSTRUCTION METHOD FOR INTEGRAL CURB
TYPE A
TYPE B
TYPE D
TYPE E
CONCRETE CURB
DETAILS OF MODIFIED CURB
ARKANSAS STATE HIGHWAY COMMISSION
CURBING DETAILS
STANDARD DRAWING CG-1


TYPE A-1

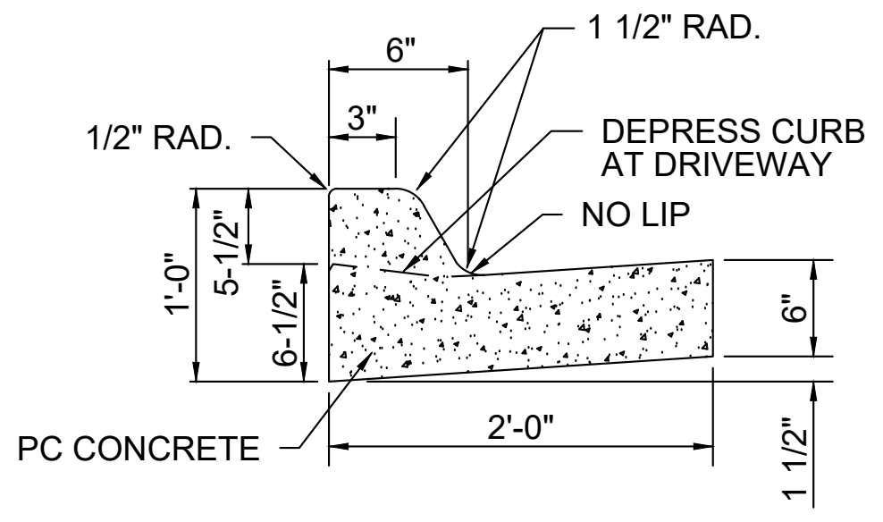
CONSTRUCTION JOINT


1/8" TO 1/4"
SAWCUT
T/4
TYPE B-1

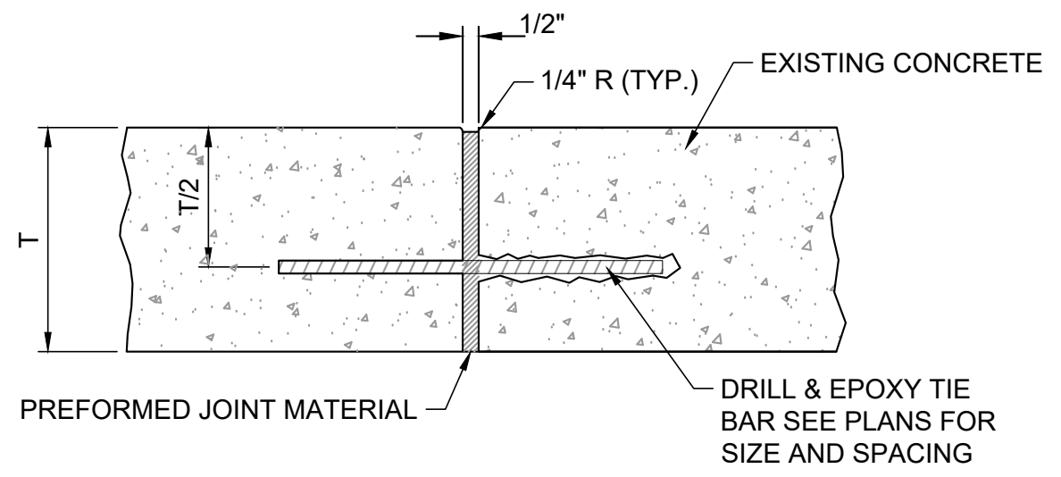
CONTRACTION JOINT


1/2"
1/8" RAD.
EXPANSION JOINT MATERIAL
TYPE C-1

EXPANSION JOINT

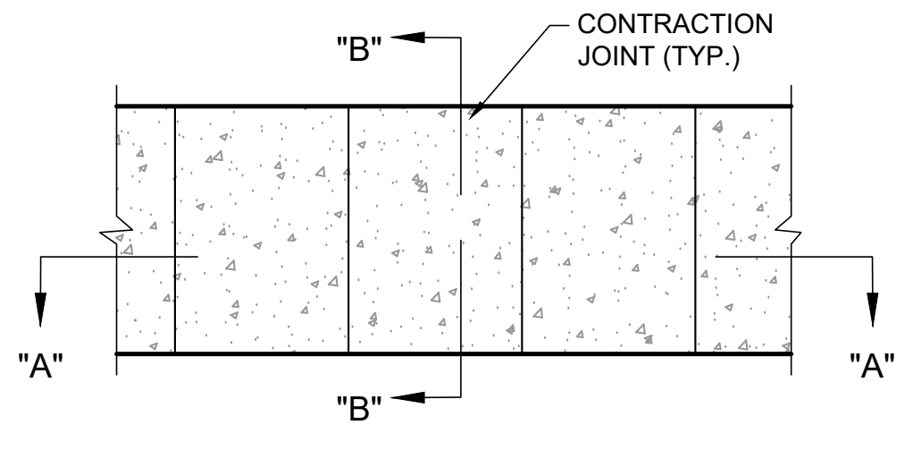

6"
1 1/2" RAD.
1/2" RAD.
3"
DEPRESS CURB AT DRIVEWAY
NO LIP
1'-0"
5-1/2"
6-1/2"
6"
PC CONCRETE
2'-0"
1 1/2"

CURB & GUTTER
TYPE "A" (BARRIER)
N.T.S.
ST.2.3


1/2"
1/4" R (TYP.)
EXISTING CONCRETE
T
T/2
PREFORMED JOINT MATERIAL
DRILL & EPOXY TIE BAR SEE PLANS FOR SIZE AND SPACING

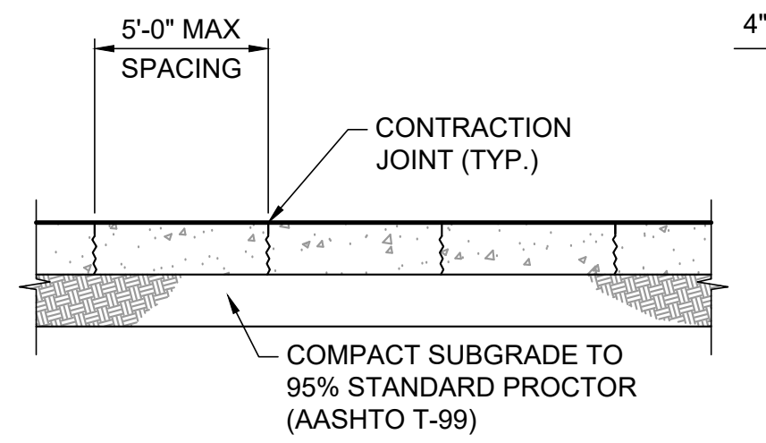
EXPANSION JOINT
TIED TO EXISTING CONCRETE

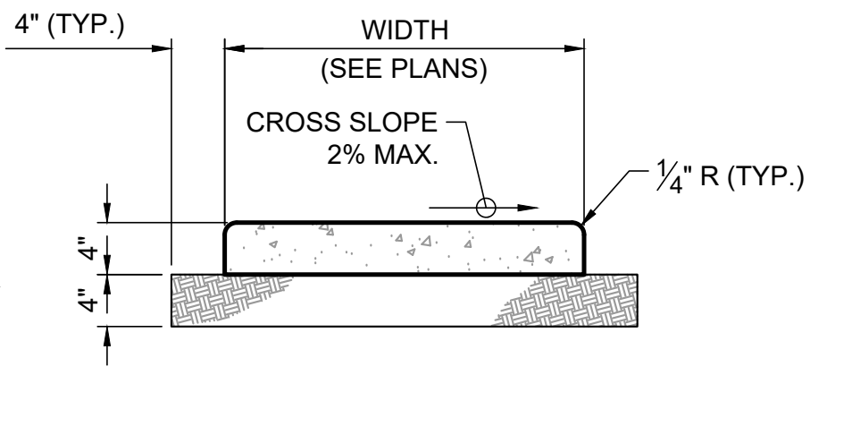
NOT TO SCALE


"B"
CONTRACTION JOINT (TYP.)
"A"
"A"
"B"
PLAN

NOTES:

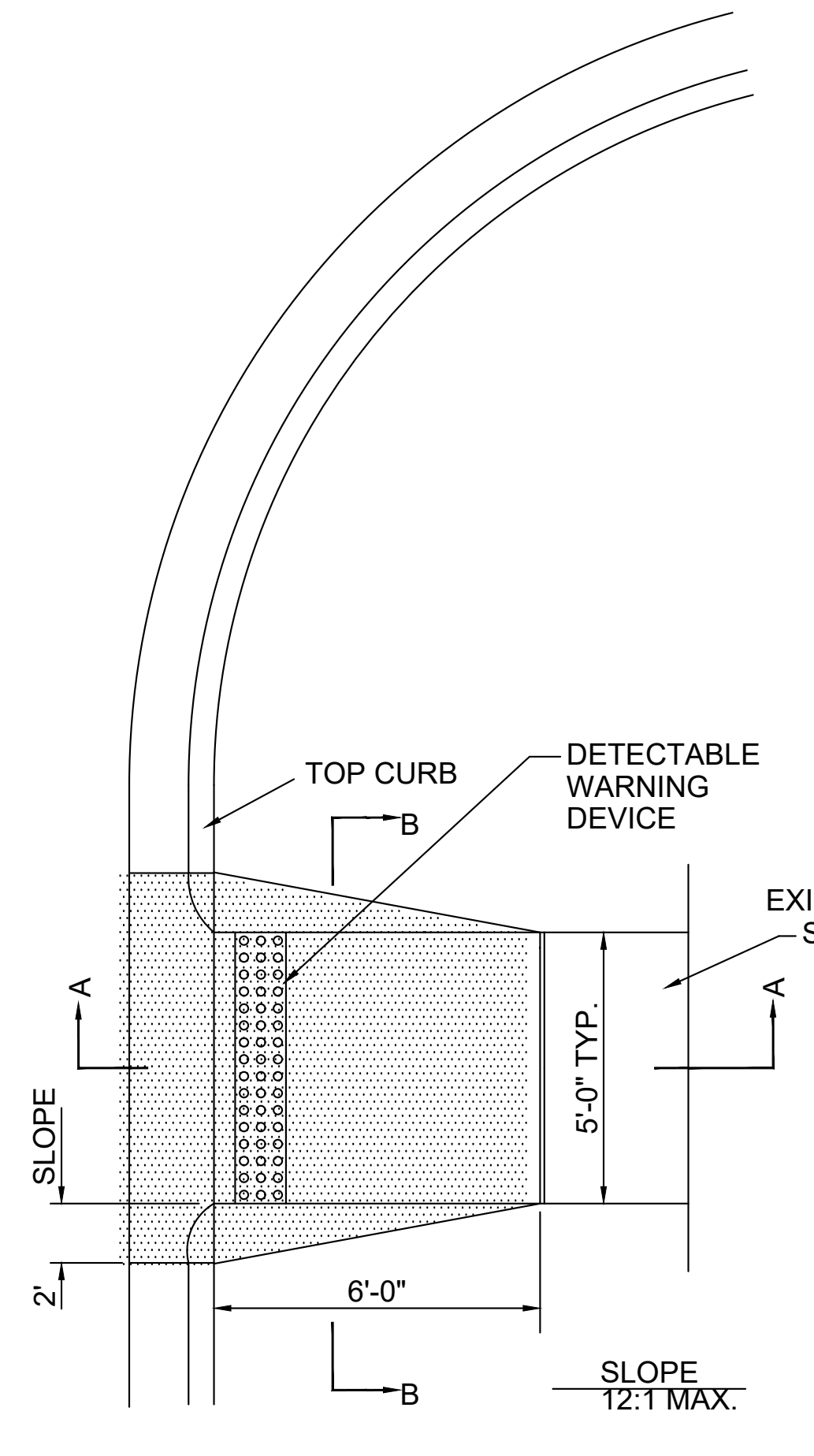
1. CONCRETE REINFORCEMENT SHALL BE 6x6, W1.4xW1.4 WWF OR NO. 3 REBAR AT 24" O.C. EACH WAY PLACED AT MID-SLAB OR FIBER REINFORCEMENT.
2. TRANSVERSE CONTRACTION JOINTS SHALL BE 1/4" RADIUS TOOLED JOINTS ½" DEEP OR SAWED CONTRACTION JOINTS.
3. FULL DEPTH EXPANSION JOINTS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 25'-0" O.C., AND AT THE SIDEWALK INTERFACE WITH FIXED OBJECTS.
4. CONCRETE SIDEWALK SHALL HAVE A BROOM FINISH PERPENDICULAR TO FOOT TRAFFIC.

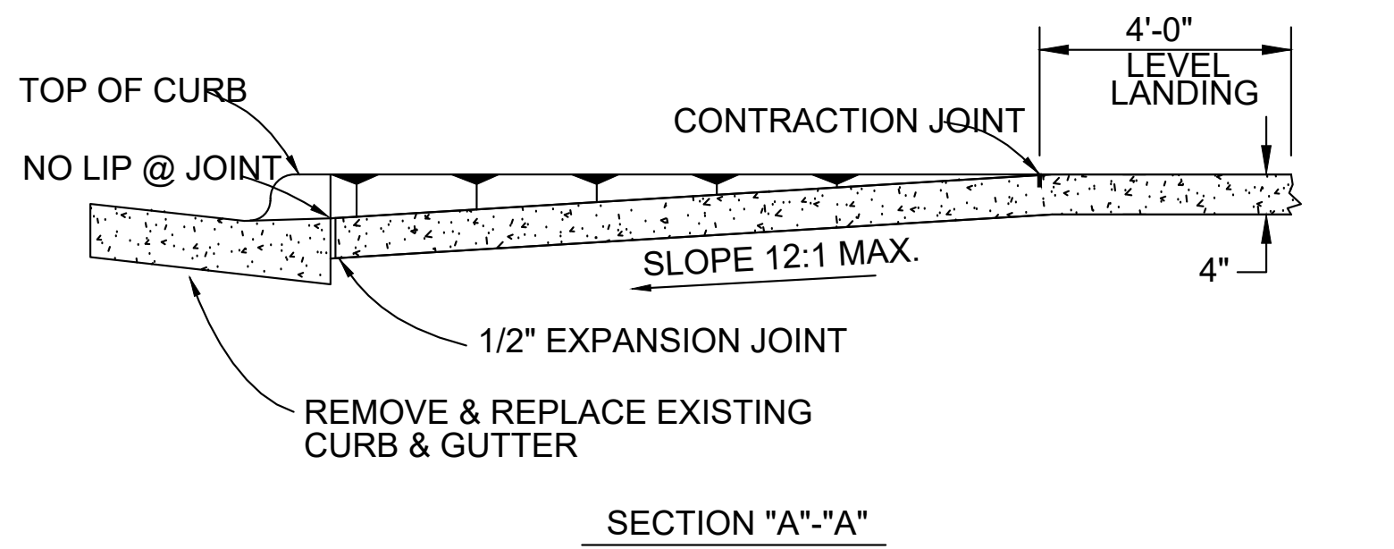

5'-0" MAX SPACING
CONTRACTION JOINT (TYP.)
COMPACT SUBGRADE TO 95% STANDARD PROCTOR (AASHTO T-99)
SECTION "A-A"


4" (TYP.)
WIDTH (SEE PLANS)
CROSS SLOPE 2% MAX.
¼" R (TYP.)
4"
4"
SECTION "B-B"

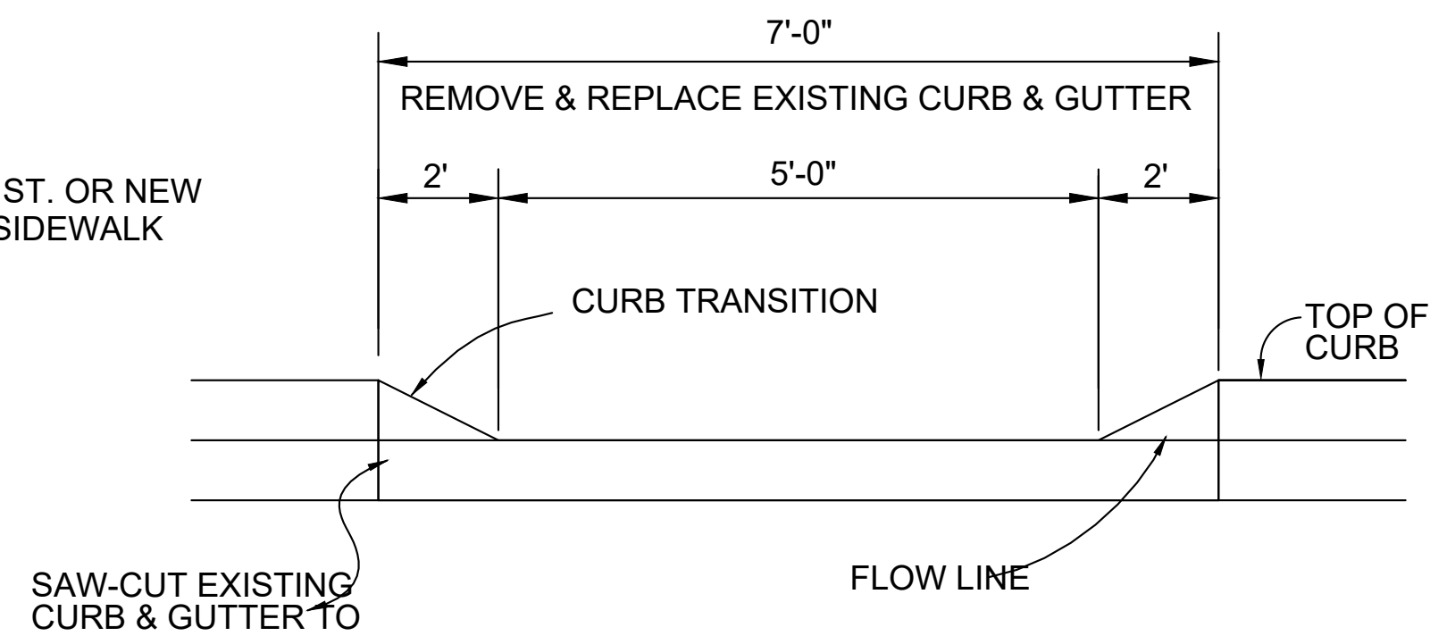
PS 30: CONCRETE SIDEWALK

NOT TO SCALE
4-25-2024

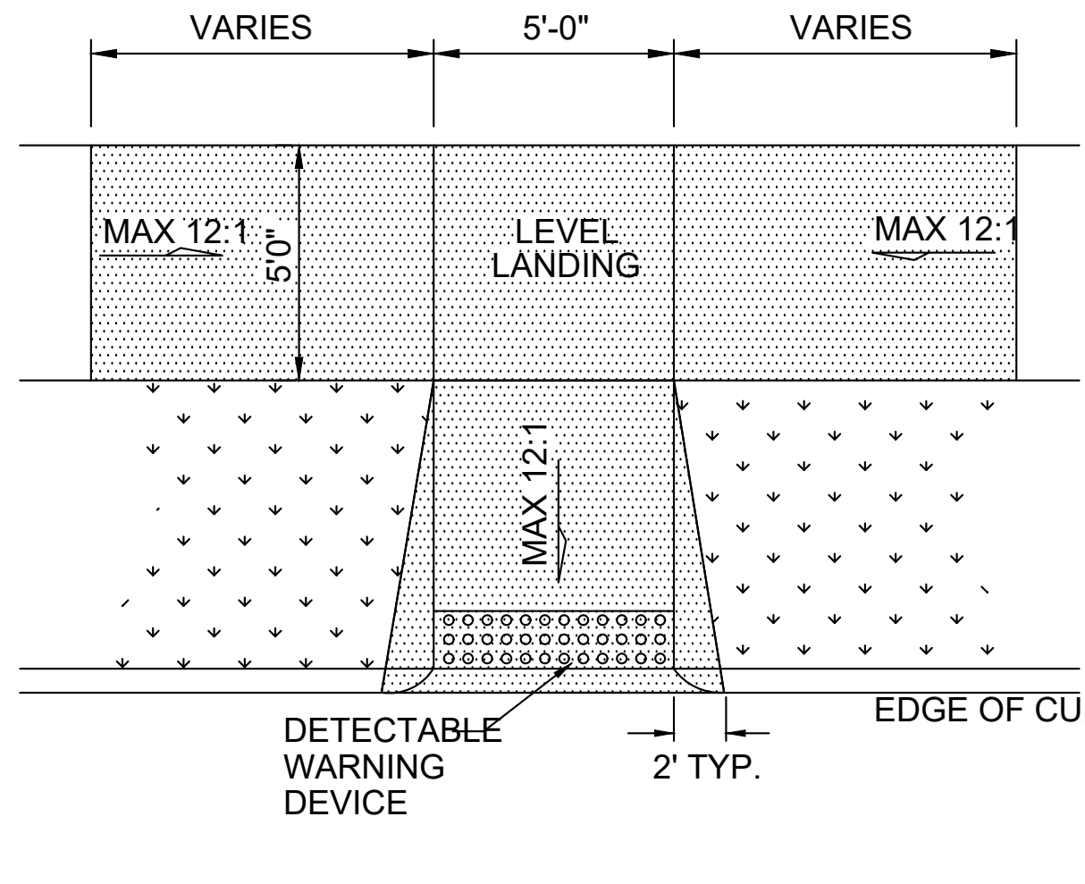

TOP CURB
B
DETECTABLE WARNING DEVICE
EXIST. OR NEW SIDEWALK
A
A
SLOPE
5'-0" TYP.
2'
6'-0"
B
SLOPE 12:1 MAX.
PLAN


4'-0" LEVEL LANDING
TOP OF CURB
NO LIP @ JOINT
CONTRACTION JOINT
SLOPE 12:1 MAX.
4"
1/2" EXPANSION JOINT
REMOVE & REPLACE EXISTING CURB & GUTTER
SECTION "A"-"A"

NOTE: IF HANDICAP RAMP SLOPE OF 12:1 CAN BE ACHIEVED FROM THE CURB TO THE EXISTING SIDEWALK, NO MODIFICATION TO THE EXISTING SIDEWALK IS NECESSARY.


7'-0"
REMOVE & REPLACE EXISTING CURB & GUTTER
2'
5'-0"
2'
CURB TRANSITION
TOP OF CURB
SAW-CUT EXISTING CURB & GUTTER TO A MIN. DEPTH OF 2"
FLOW LINE
SECTION 'B'-'B'

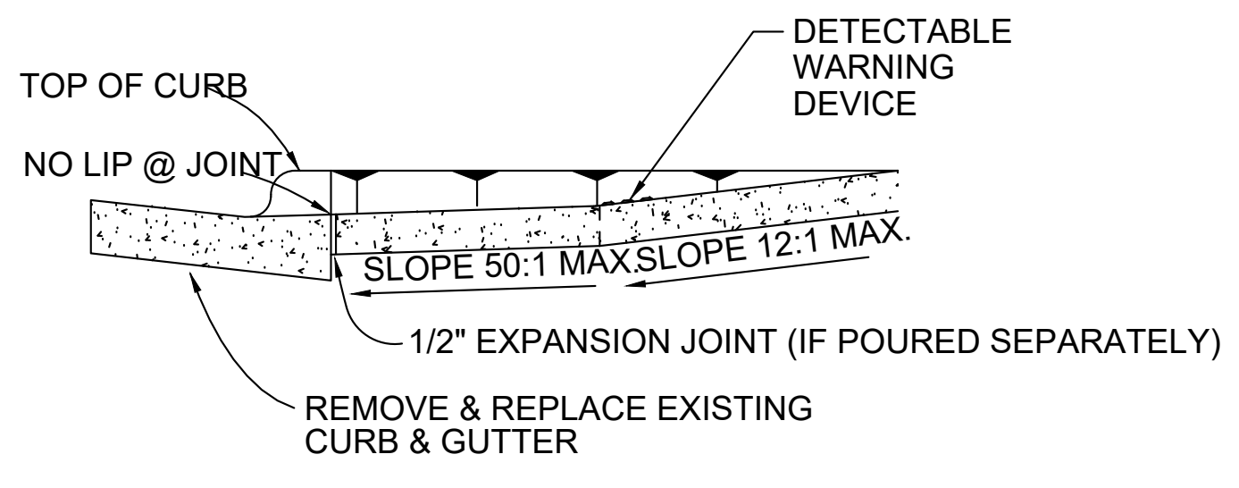
TYPE 3 RAMP
N.T.S.
SW.2.4

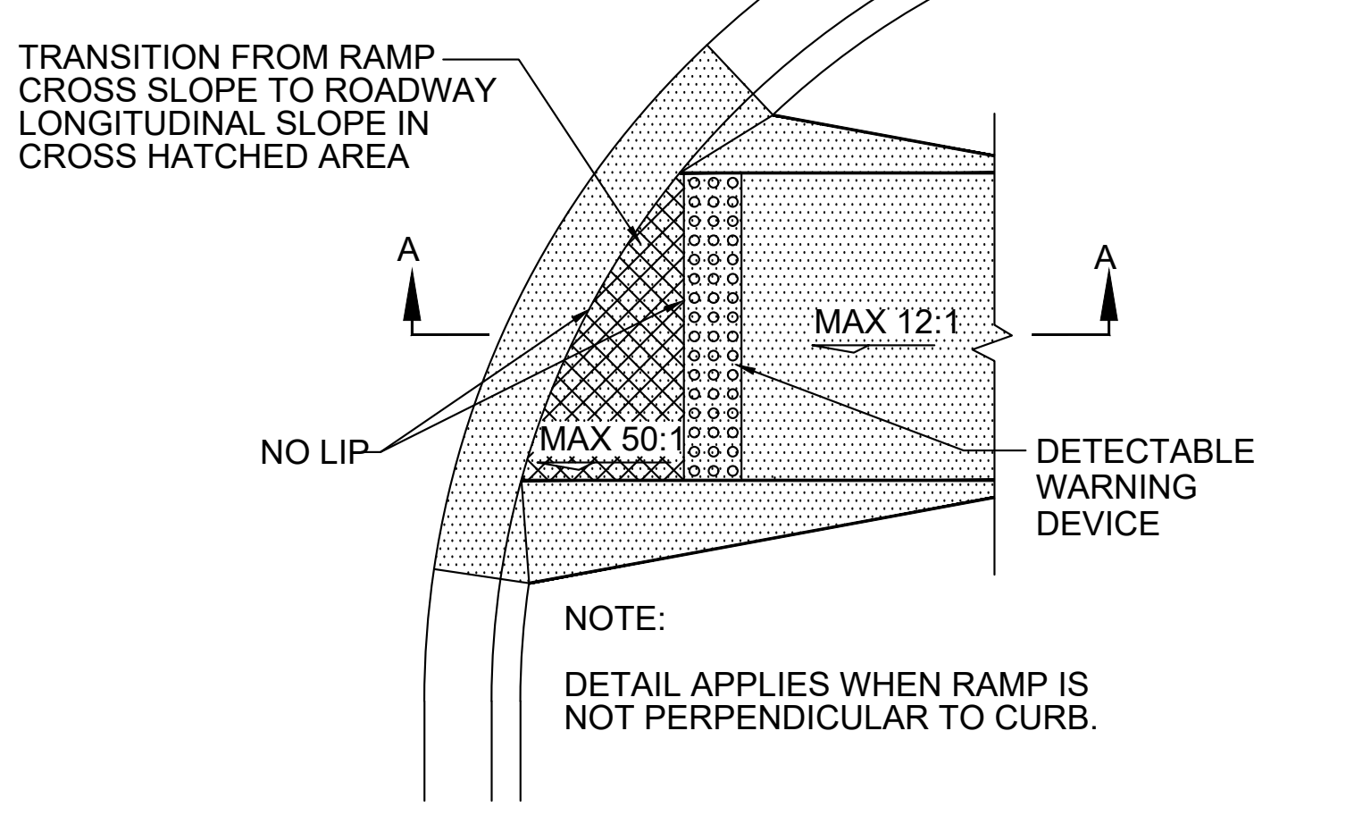

VARIES
5'-0"
VARIES
MAX 12:1
5'-0"
LEVEL LANDING
MAX 12:1
MAX 12:1
DETECTABLE WARNING DEVICE
2' TYP.
EDGE OF CURB

TYPE 5 RAMP
N.T.S.
SW.3.1

NOTES:

1. ALL CONCRETE SHALL BE CLASS "AA" 3500 psi., AIR-ENTRAINED, FIBER REINFORCED.
2. THE SUBGRADE FOR RAMP AND SIDEWALK CONSTRUCTION IS TO BE FIRM AND UNYIELDING SOIL, COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR.
3. 1/2" EXPANSION JOINT SHALL BE PLACED AT COLD JOINTS, AT BEGINNING AND END OF RETURN, AND AT MAXIMUM OF 100' INTERVALS.
4. CONTRACTION JOINTS SHALL BE CUT AT INTERVALS MATCHING THE SIDEWALK WIDTH WITH A MAXIMUM SPACING OF 6'. CONTRACTION JOINTS IN RAMP AREAS SHALL BE AT 5' MAX. SPACING. DEPTH OF JOINTS SHALL BE EQUAL TO T/4.
5. TYPE OF HANDICAP RAMP IDENTIFIED FOR EACH SITE MAY REQUIRE MODIFICATION TO FIT EXISTING FIELD CONDITIONS. DIMENSIONS, LOCATIONS, AND ORIENTATION OF RAMPS WILL VARY IN ORDER TO AVOID EXISTING OBSTACLES AND/OR TO OBTAIN REQUIRED GRADE FOR RAMP. CONTRACTOR TO INSTALL RAMPS AS DIRECTED IN THE FIELD BY THE ENGINEER.
6. TYPE 6 RAMP SHALL BE USED ONLY IF EXISTING CONDITIONS PROHIBIT USE OF TYPES 1 THROUGH TYPE 5 RAMPS.
7. ADDITIONAL REMOVALS OUTSIDE THE LIMITS SHOWN MAY BE REQUIRED IN ORDER TO OBTAIN THE GRADE FOR RAMPS OR PROVIDE LANDING AREAS.
8. THE LENGTH OF THE RAMP SHALL BE SUCH THAT THE SLOPE DOES NOT EXCEEED 12:1. IF SITE CONSTRAINTS PREVENT THE CONSTRUCTION OF THE TYPES OF RAMPS SHOWN IN THE DETAILS, THEN AND ONLY THEN CAN THE 12:1 MAXIMUM SLOPE ON THE RAMP BE EXCEEDED TO PROVIDE ACCESS TO THE STREET LEVEL. THE SLOPE CAN BE STEEPENED TO A 10:1 MAXIMUM FOR A MAXIMUM LENGTH OF 5 FEET OR AN 8:1 MAXIMUM FOR A MAXIMUM LENGTH OF 2 FEET. SLOPES STEEPER THAN 8:1 ARE NOT ALLOWED UNDER ANY CIRCUMSTANCES.
9. THE MINIMUM WIDTH OF THE RAMPS SHALL BE THE EXISTING WALK WIDTH OR 36", WHICHEVER IS GREATER.
10. THE SURFACE TEXTURE OF ALL RAMPS SHALL BE BROOM FINISHED EXCEPT FOR AREAS WITH DETECTABLE WARNING DEVICE.
11. THE NORMAL GUTTER GRADE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
12. A SAW-CUT TO A MINIMUM DEPTH OF 2 INCHES SHALL BE MADE PRIOR TO REMOVAL OR CONCRETE, ASPHALT, STONE OR BRICK.
13. FOR RECONSTRUCTION PROJECTS, IF EXISTING CURB & GUTTER IS IN GOOD CONDITION, CURB SHALL BE SAWCUT AT GUTTER FLOWLINE AND REMOVED.
14. FOR PAYMENT PURPOSES, SIDEWALKS WITHIN THE RAMP AREA WILL BE MEASURED AND PAID FOR BY THE SQUARE YARD (SY) AS SIDEWALK AND BY EACH (EA) AS HANDICAP RAMP. TYPE 1 AND TYPE 2 RAMPS WILL COUNT AS 2 RAMPS EACH.


TOP OF CURB
NO LIP @ JOINT
DETECTABLE WARNING DEVICE
SLOPE 50:1 MAX
SLOPE 12:1 MAX.
1/2" EXPANSION JOINT (IF POURED SEPARATELY)
REMOVE & REPLACE EXISTING CURB & GUTTER
SECTION "A"-"A"


TRANSITION FROM RAMP CROSS SLOPE TO ROADWAY LONGITUDINAL SLOPE IN CROSS HATCHED AREA
A
A
MAX 12:1
NO LIP
MAX 50:1
DETECTABLE WARNING DEVICE

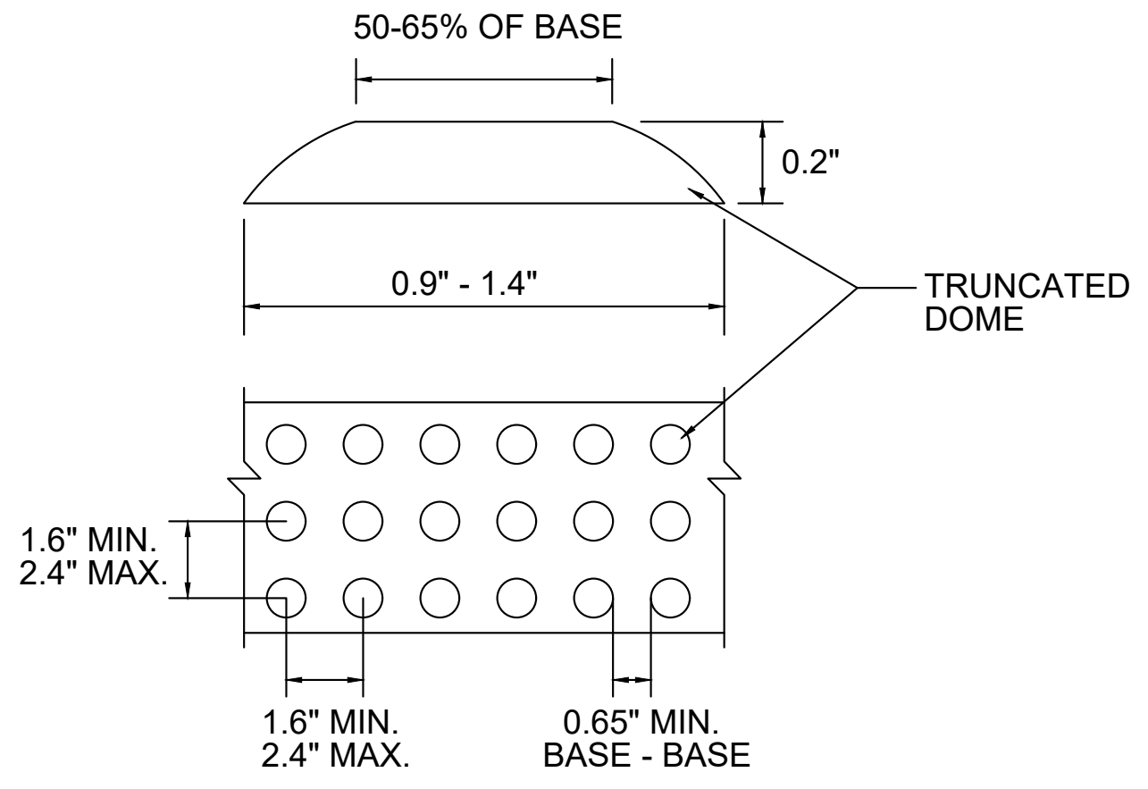
NOTE:

DETAIL APPLIES WHEN RAMP IS NOT PERPENDICULAR TO CURB.

RAMP/GUTTER
N.T.S.
SW.2.1

GENERAL NOTES FOR DETECTABLE WARNING DEVICES

1. THE DETECTABLE WARNING DEVICE SHALL BE LOCATED SO THAT THE NEAREST EDGE OF THE DEVICE IS 6 TO 8 INCHES FROM THE FACE OF THE CURB.
2. TRUNCATED DOMES IN THE DETECTABLE WARNING SURFACE SHALL MEET THE REQUIREMENTS OF THE GEOMETRIC CONFIGURATION SHOWN.
3. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
4. DETECTABLE WARNING DEVICE SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.


50-65% OF BASE
0.2"
0.9" - 1.4"
TRUNCATED DOME
1.6" MIN.
2.4" MAX.
1.6" MIN.
2.4" MAX.
0.65" MIN.
BASE - BASE

DETECTABLE WARNING DEVICE
N.T.S.
SW.1.7

CERTIFICATE OF AUTHORIZATION
HALFF ASSOCIATES INC.
#1470
ARKANSAS-ENGINEER

Know what's below.
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE "ARKANSAS 811" SYSTEM AT 1-800-482-8998 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

SEAL

BRANDON JOSEPH HEBERT
No. 21446
4/17/2026

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AR 72301

DRAWING ISSUE

№.	DATE	DESCRIPTION
1	2026-03-06	ISSUE FOR SITE PERMIT

ARCHITECT

PROJECT LUONG
HOUSTON 820 Gessner Rd., Suite 775, Houston, TX 77024 +1 346 708 8241
SAN ANTONIO 700 N. St. Mary's St., Suite 1400, San Antonio, TX 78205 +1 726 245 1378
SANTA MONICA 730 Arizona Ave, Santa Monica, CA 90401 +1 213 394 7230
Projectluong.com
TBAE REG. NO. BR 4215

CONSULTANT

halff
5704 EUPER LN.
SUITE 200
FORT SMITH, AR 72903
TEL. (479) 452-1933

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

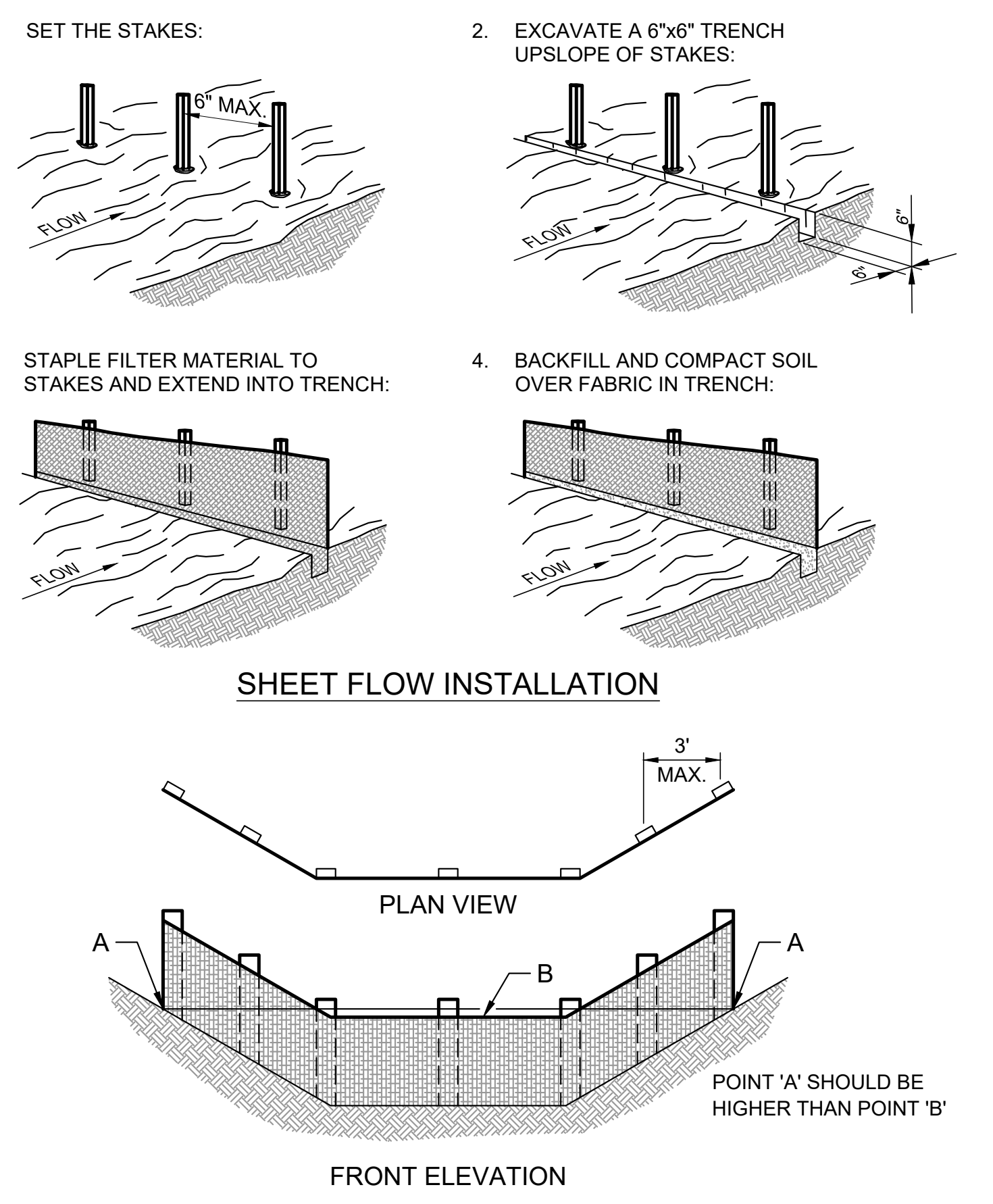
JOB No.: WESCIT00561

SHEET TITLE

STREET &
SIDEWALK DETAILS

SHEET NUMBER

C7.04


1. SET THE STAKES:
6" MAX.
FLOW
2. EXCAVATE A 6"x6" TRENCH UPSLOPE OF STAKES:
6"
6"
3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND INTO TRENCH:
4. BACKFILL AND COMPACT SOIL OVER FABRIC IN TRENCH:
3' MAX.
A
B
POINT 'A' SHOULD BE HIGHER THAN POINT 'B'

SHEET FLOW INSTALLATION

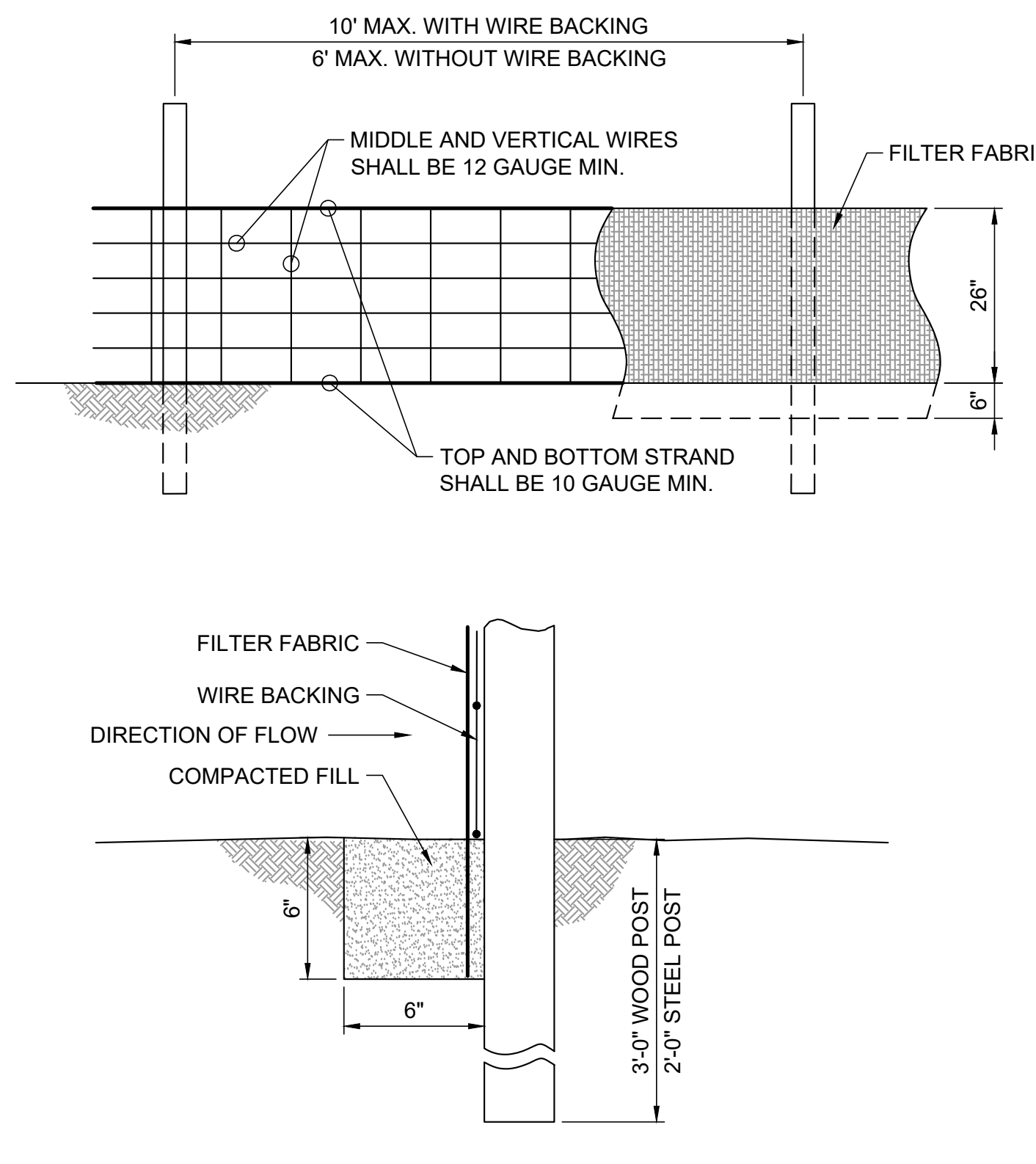
PLAN VIEW

FRONT ELEVATION

DRAINAGEWAY INSTALLATION

EC-10: FABRIC FILTER BARRIER/FENCE

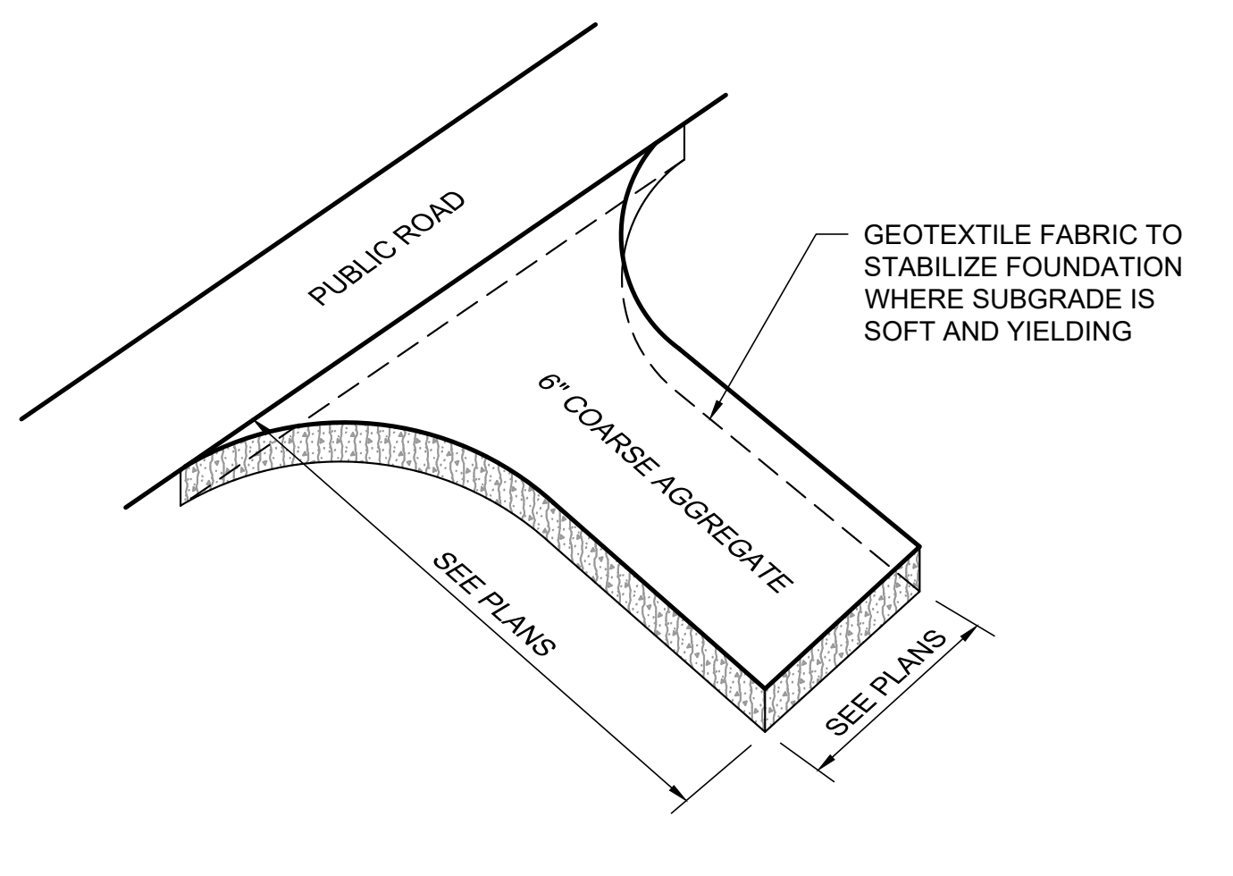
NOT TO SCALE 3-19-2024


10' MAX. WITH WIRE BACKING
6' MAX. WITHOUT WIRE BACKING
MIDDLE AND VERTICAL WIRES SHALL BE 12 GAUGE MIN.
FILTER FABRIC
26"
6"
TOP AND BOTTOM STRAND SHALL BE 10 GAUGE MIN.
FILTER FABRIC
WIRE BACKING
DIRECTION OF FLOW
COMPACTED FILL
6"
6"
3'-0" WOOD POST
2'-0" STEEL POST

EXTENSION OF FABRIC INTO TRENCH

EC-12: SILT FENCE

NOT TO SCALE 3-20-2024

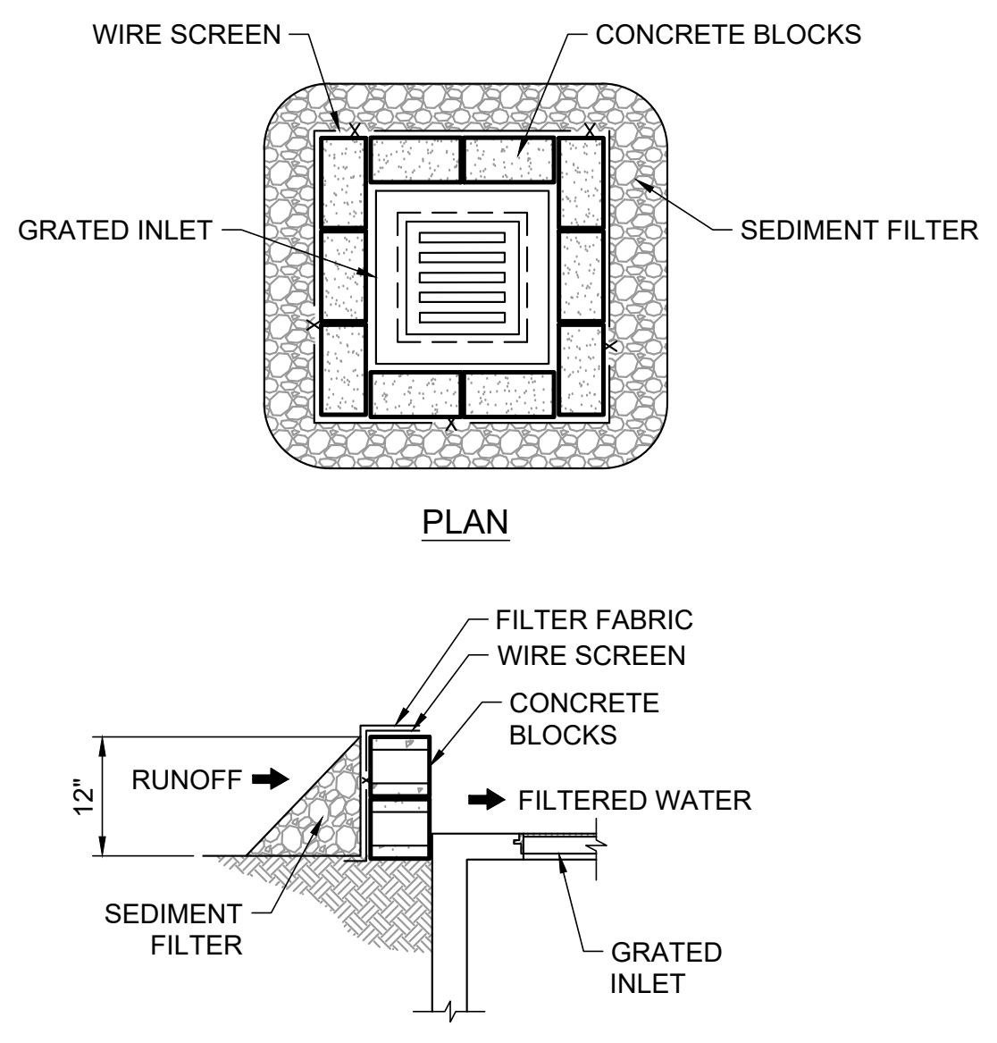

PUBLIC ROAD
GEOTEXTILE FABRIC TO STABILIZE FOUNDATION WHERE SUBGRADE IS SOFT AND YIELDING
6" COARSE AGGREGATE
SEE PLANS
SEE PLANS

NOTES:

1. COARSE AGGREGATE SHALL BE 3" TO 6" CRUSHED STONE.
2. CLEAR THE ENTRANCE OR EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND EXCAVATE TO GRADE.
3. PLACE THE AGGREGATE TO THE GRADE AND DIMENSIONS SHOWN ON THE PLANS.
4. MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

EC-30: TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE 4-3-2024


WIRE SCREEN
CONCRETE BLOCKS
GRATED INLET
SEDIMENT FILTER
FILTER FABRIC
WIRE SCREEN
CONCRETE BLOCKS
RUNOFF
FILTERED WATER
12"
SEDIMENT FILTER
GRATED INLET

PLAN

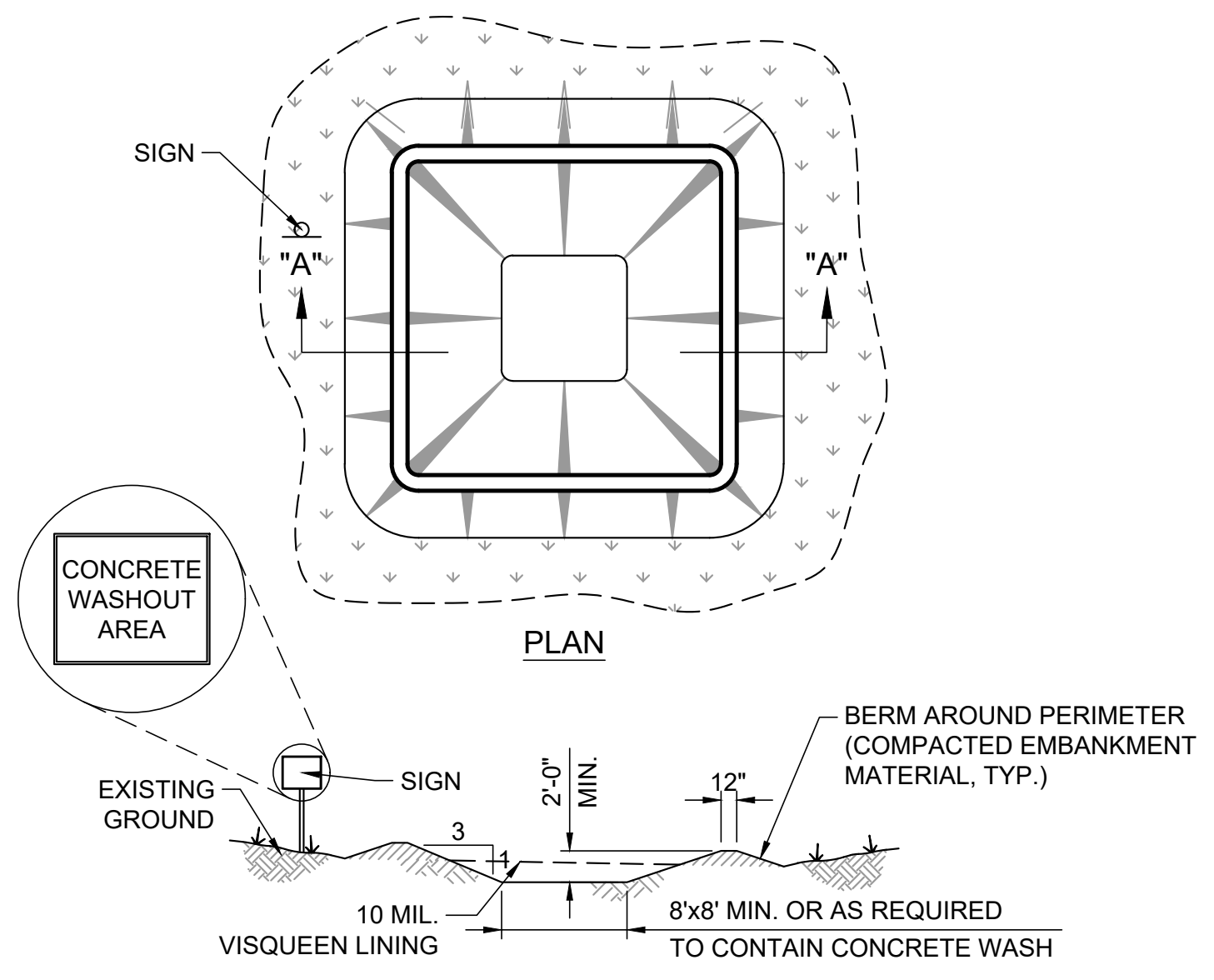
SECTION

NOTES:

1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN. HEIGHT OF BARRIER 12" AND MAX. HEIGHT OF 24".
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE SEDIMENT FILTER SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

EC-42: BLOCK AND AGGREGATE INLET SEDIMENT FILTER

NOT TO SCALE 4-3-2024


SIGN
"A"
"A"
CONCRETE WASHOUT AREA
EXISTING GROUND
SIGN
2'-0" MIN.
12"
BERM AROUND PERIMETER (COMPACTED EMBANKMENT MATERIAL, TYP.)
3
1
10 MIL. VISQUEEN LINING
8'x8' MIN. OR AS REQUIRED TO CONTAIN CONCRETE WASH

PLAN

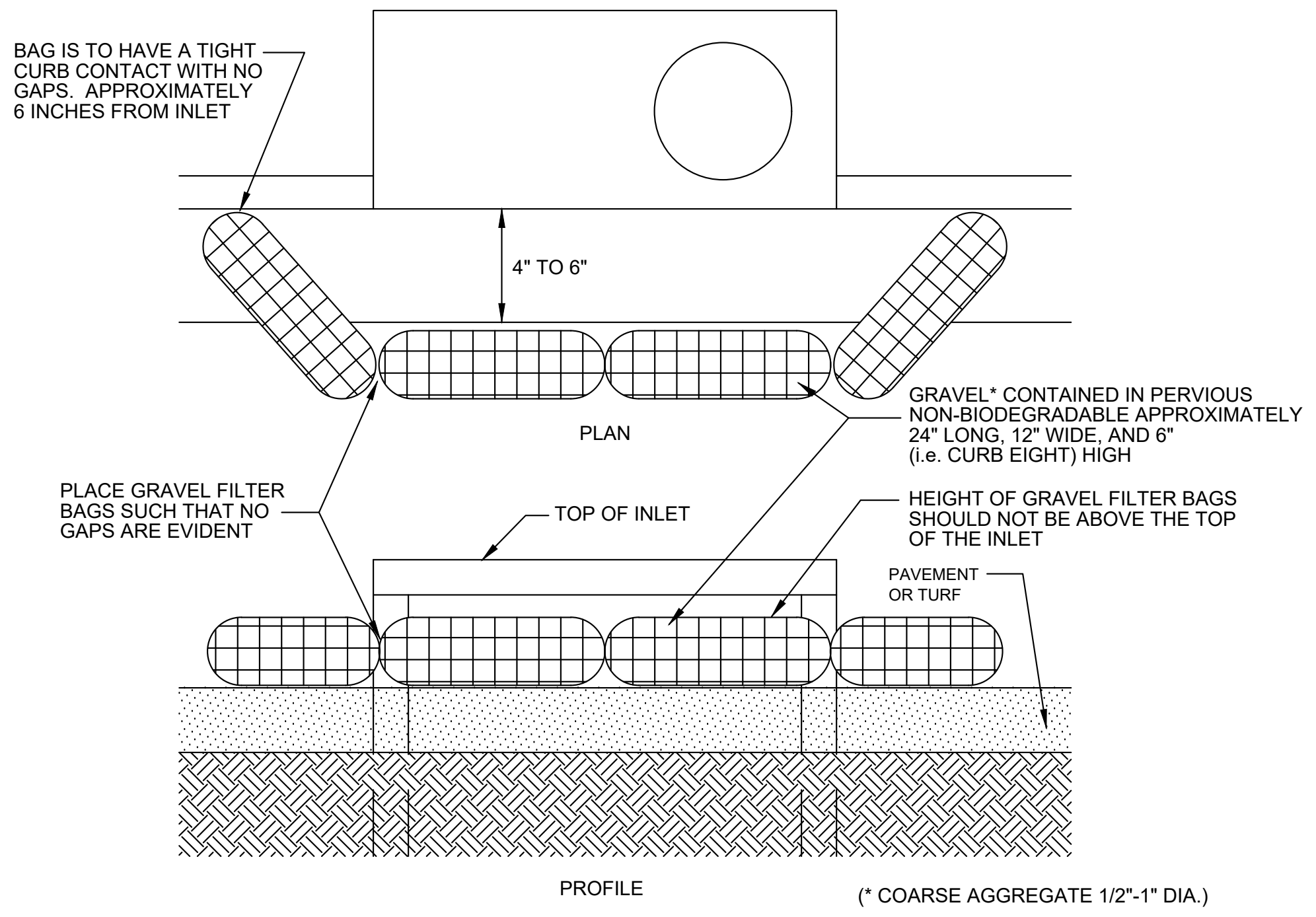
SECTION "A-A"

NOTES:

1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. VEHICLE TRACKING CONTROL IS REQUIRED AT CONCRETE WASHOUT ENTRANCE IF ACCESS TO CONCRETE WASHOUT AREA IS OFF PAVEMENT.
3. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND/OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTE CONCRETE.
4. WASTE MATERIAL FROM CONCRETE WASHOUT OPERATIONS MUST BE REMOVED AND LEGALLY DISPOSED OF WHEN IT HAS ACCUMULATED TWO-THIRDS OF THE WET STORAGE CAPACITY OF THE STRUCTURE.
5. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT AN APPROVED WASTE SITE.
6. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED.

EC-50: CONCRETE WASHOUT AREA

NOT TO SCALE 4-3-2024


BAG IS TO HAVE A TIGHT CURB CONTACT WITH NO GAPS. APPROXIMATELY 6 INCHES FROM INLET
4" TO 6"
GRAVEL* CONTAINED IN PERVIOUS NON-BIODEGRADABLE APPROXIMATELY 24" LONG, 12" WIDE, AND 6" (i.e. CURB EIGHT) HIGH
PLACE GRAVEL FILTER BAGS SUCH THAT NO GAPS ARE EVIDENT
TOP OF INLET
HEIGHT OF GRAVEL FILTER BAGS SHOULD NOT BE ABOVE THE TOP OF THE INLET
PAVEMENT OR TURF

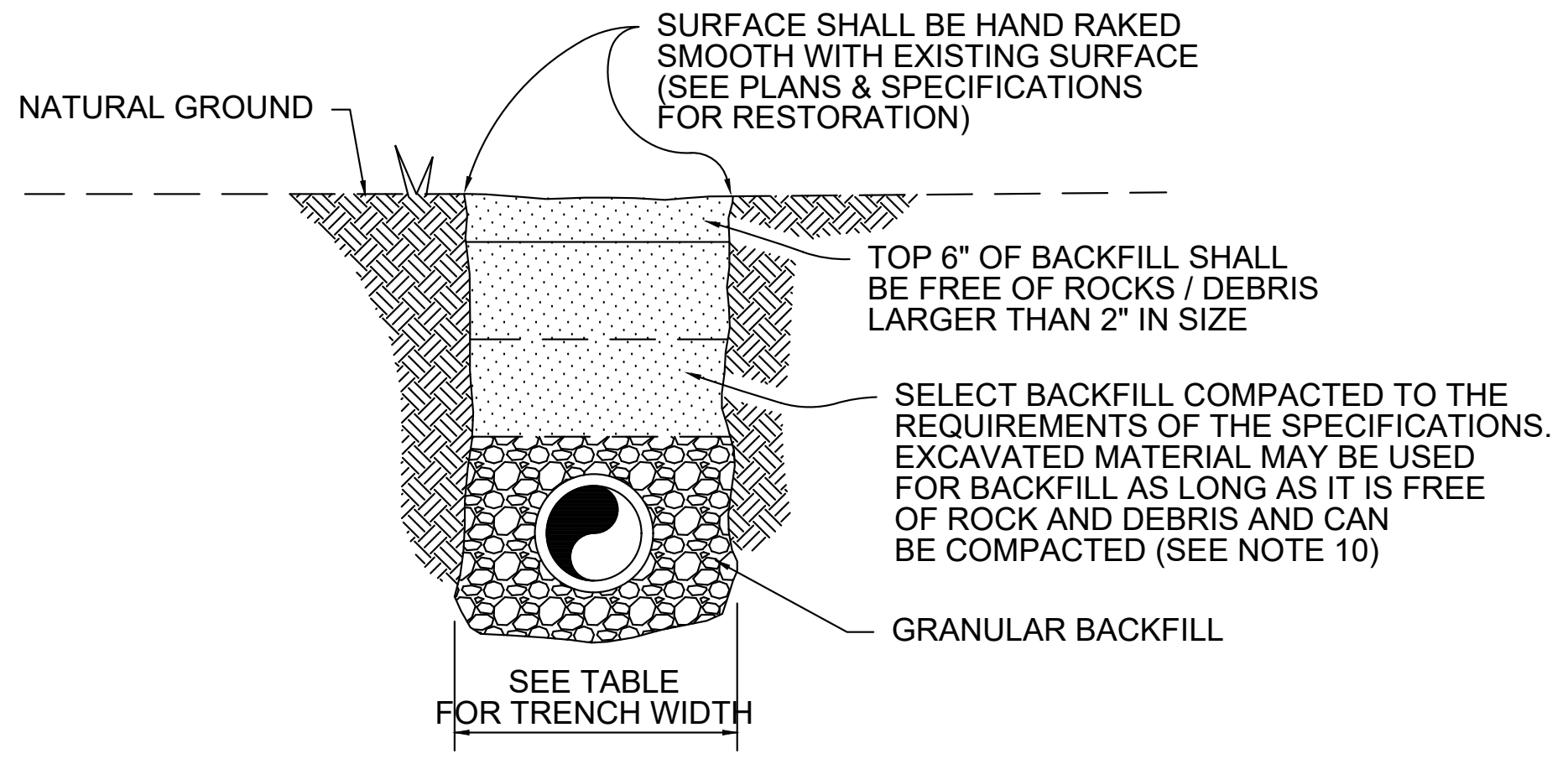
PLAN

PROFILE

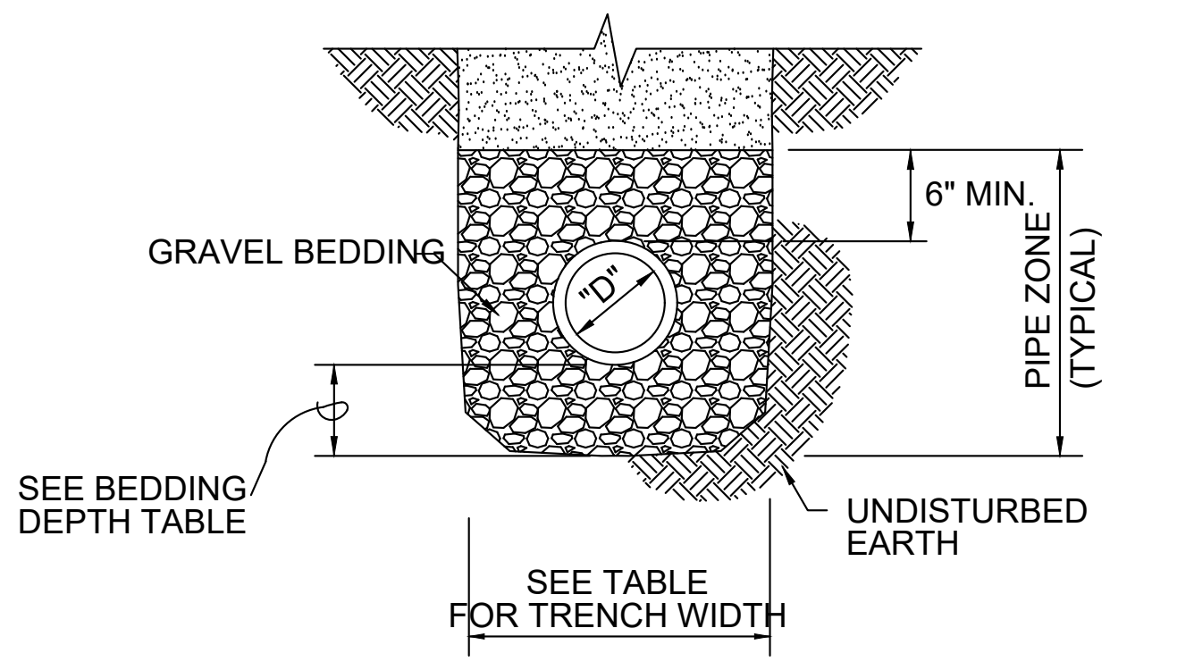
(* COARSE AGGREGATE 1/2"-1" DIA.)

INLET PROTECTION

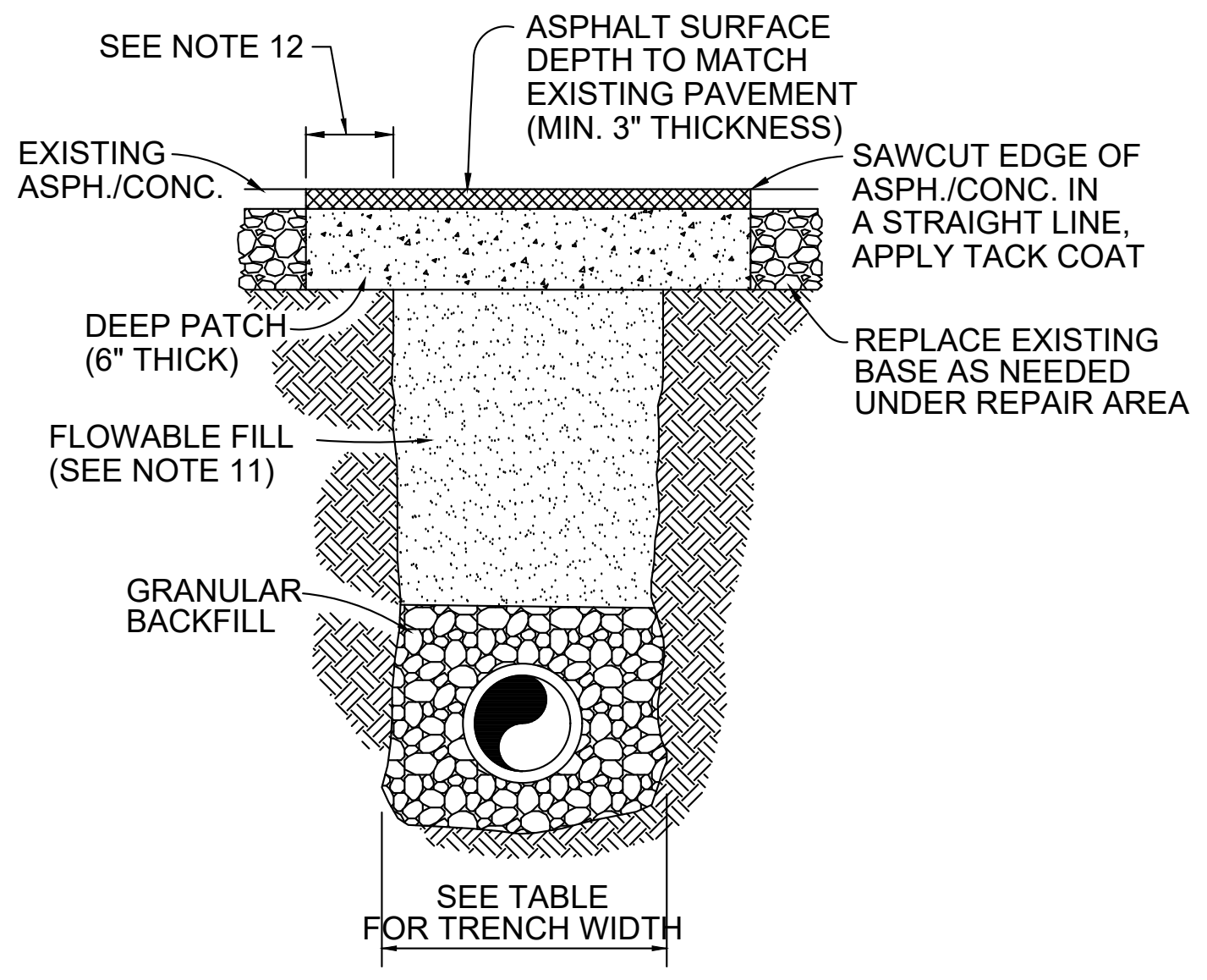
Not to Scale


NATURAL GROUND
SURFACE SHALL BE HAND RAKED SMOOTH WITH EXISTING SURFACE (SEE PLANS & SPECIFICATIONS FOR RESTORATION)
TOP 6" OF BACKFILL SHALL BE FREE OF ROCKS / DEBRIS LARGER THAN 2" IN SIZE
SELECT BACKFILL COMPACTED TO THE REQUIREMENTS OF THE SPECIFICATIONS. EXCAVATED MATERIAL MAY BE USED FOR BACKFILL AS LONG AS IT IS FREE OF ROCK AND DEBRIS AND CAN BE COMPACTED (SEE NOTE 10)
GRANULAR BACKFILL
SEE TABLE FOR TRENCH WIDTH

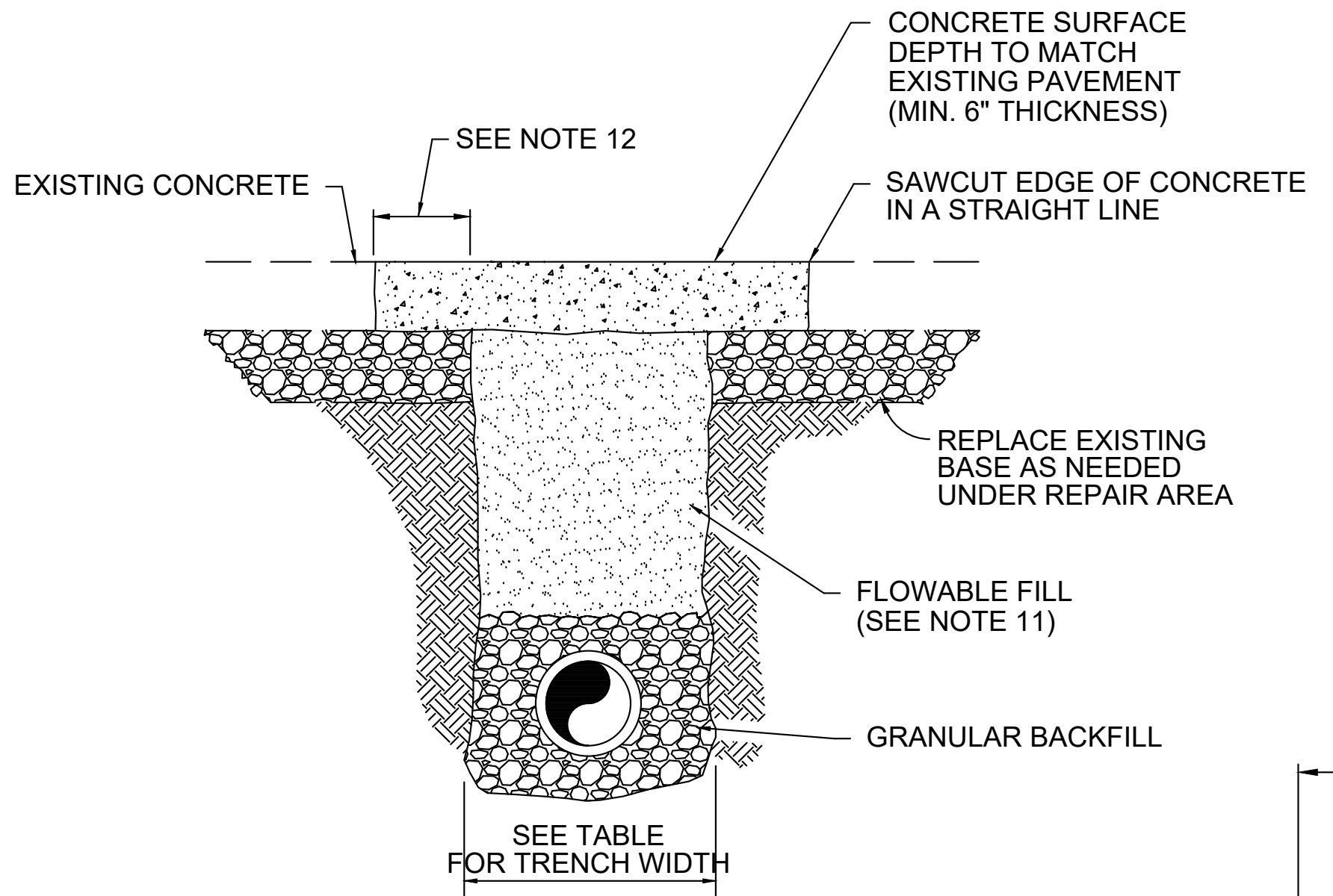
TRENCH BACKFILL & REPAIR
NATIVE AREAS
N.T.S.
TB.1.4


GRAVEL BEDDING
"D"
6" MIN.
PIPE ZONE (TYPICAL)
SEE BEDDING DEPTH TABLE
UNDISTURBED EARTH
SEE TABLE FOR TRENCH WIDTH

CLASS "B" COMPACTED
GRANULAR BEDDING
PIPE
N.T.S.
TB.1.6


SEE NOTE 12
ASPHALT SURFACE DEPTH TO MATCH EXISTING PAVEMENT (MIN. 3" THICKNESS)
EXISTING ASPH./CONC.
SAWCUT EDGE OF ASPH./CONC. IN A STRAIGHT LINE, APPLY TACK COAT
DEEP PATCH (6" THICK)
REPLACE EXISTING BASE AS NEEDED UNDER REPAIR AREA
FLOWABLE FILL (SEE NOTE 11)
GRANULAR BACKFILL
SEE TABLE FOR TRENCH WIDTH

TRENCH BACKFILL & REPAIR
ASPHALT AREAS
N.T.S.
TB.1.2


CONCRETE SURFACE DEPTH TO MATCH EXISTING PAVEMENT (MIN. 6" THICKNESS)
SEE NOTE 12
EXISTING CONCRETE
SAWCUT EDGE OF CONCRETE IN A STRAIGHT LINE
REPLACE EXISTING BASE AS NEEDED UNDER REPAIR AREA
FLOWABLE FILL (SEE NOTE 11)
GRANULAR BACKFILL
SEE TABLE FOR TRENCH WIDTH

TRENCH BACKFILL & REPAIR
CONCRETE AREAS
N.T.S.
TB.1.3

BEDDING DEPTH TABLE

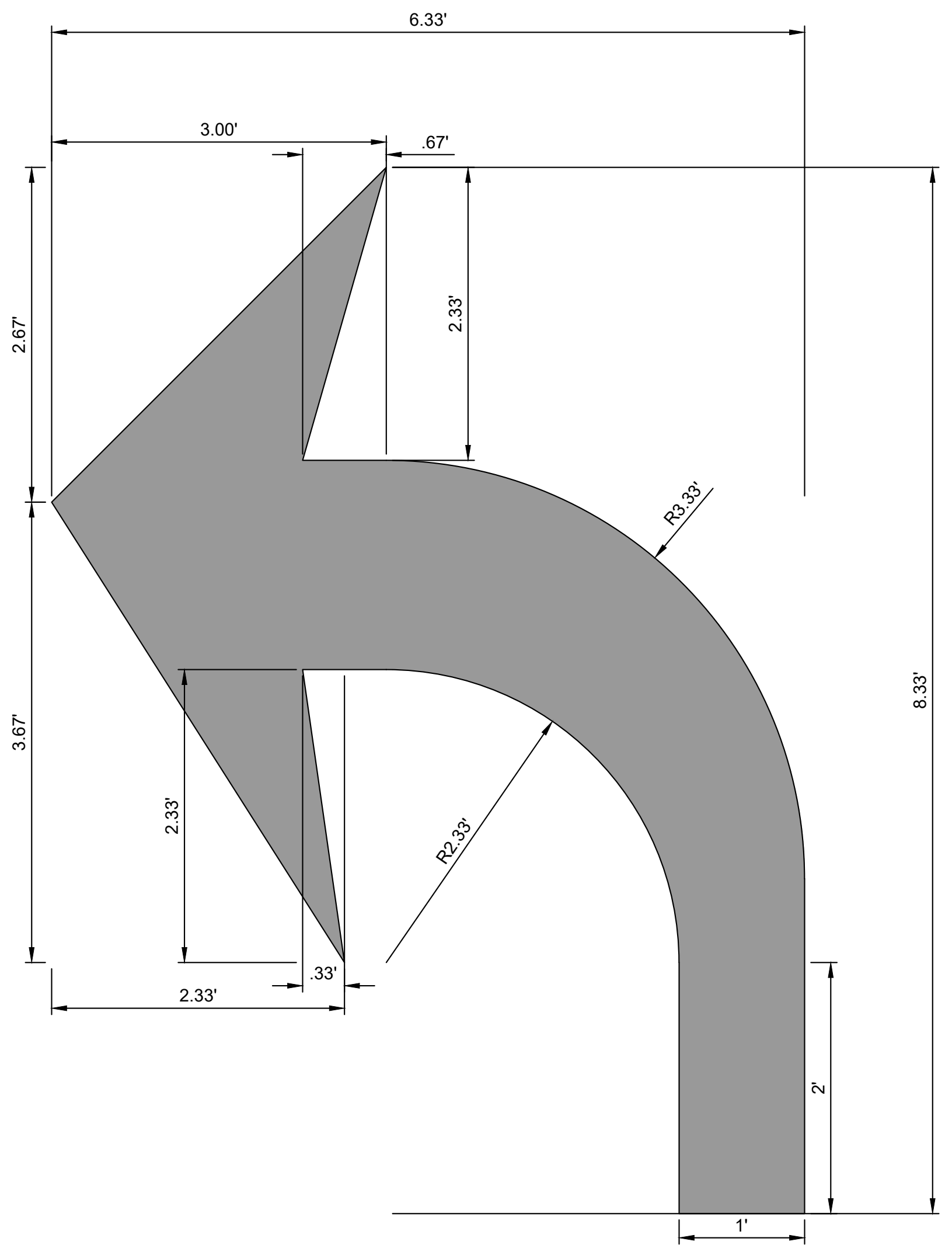
STORM DRAIN
.10 X PIPE I.D. (4" MIN)
WATER LINE
.25 X PIPE I.D. (4" MIN)
SEWER LINE
6" MIN.

TRENCH WIDTH TABLE

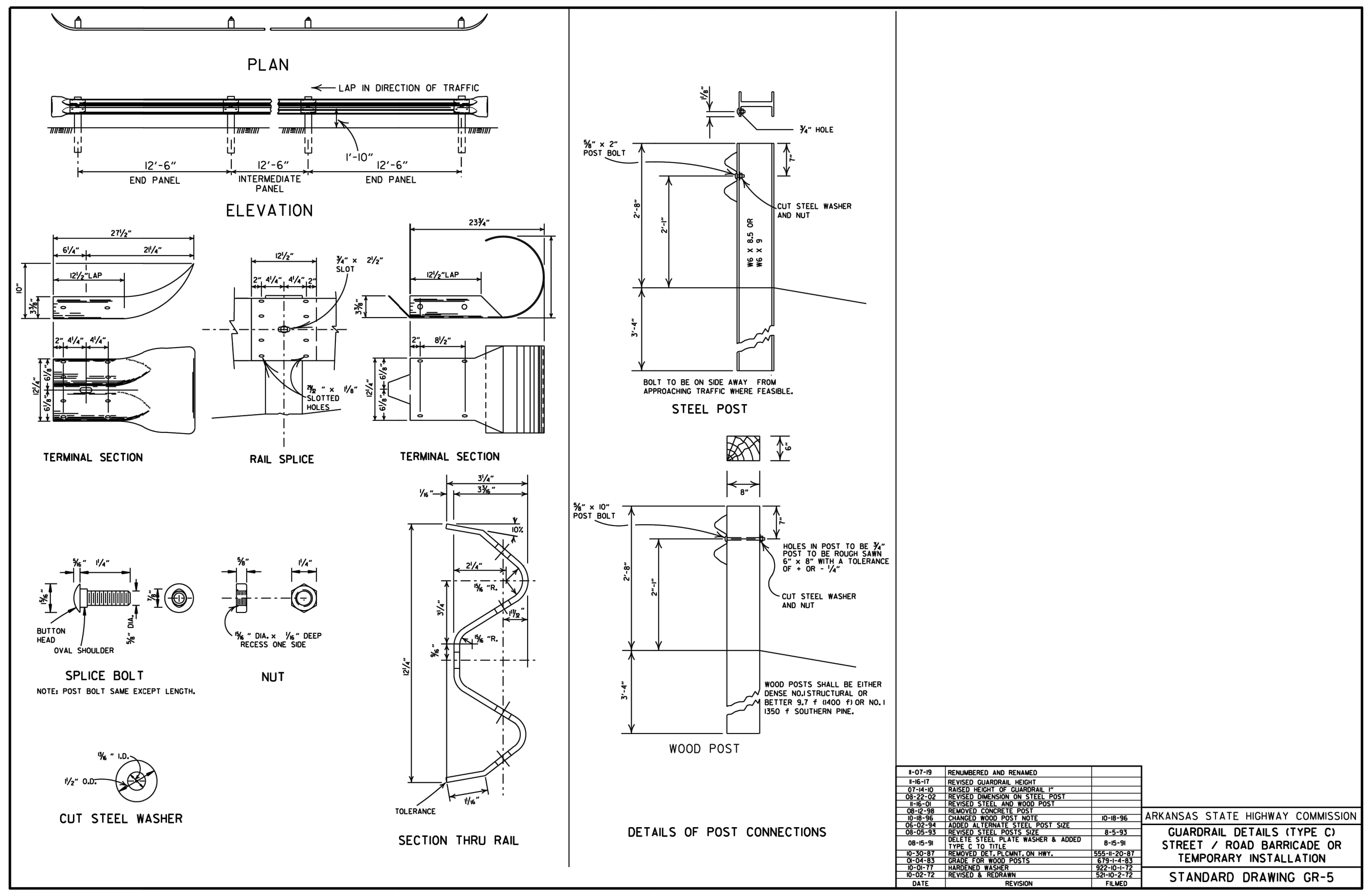
STORM DRAIN
OD + 18" MIN. OD + 36" MAX.
WATER LINE
MINIMUM 18" OR OD + 12" OD + 24" MAX.
SEWER LINE
OD + 18" MIN. OD + 30" MAX.

NOTES:

1. FLOWABLE FILL SHALL BE PROTECTED WITH BRIDGE PLATES OR A TEMPORARY SURFACE SEAL OF COLD MIX ASPHALT CONCRETE UNTIL HMAC FINAL REPAIR IS INSTALLED. COLD MIX ASPHALT CONCRETE IS NOT ACCEPTABLE FOR FINAL REPAIR.
2. FLOWABLE FILL SHALL BE ALLOWED TO CURE FOR A PERIOD OF NOT LESS THAN 24 HOURS PRIOR TO PLACEMENT OF SURFACE.
3. FLOWABLE FILL IS TO BE INSTALLED TO NEAT LINES. PAY LIMITS WILL NOT EXCEED THE MAXIMUM TRENCH WIDTH.
4. FLOWABLE FILL SHALL BE PROTECTED FROM FREEZING OR TOO RAPID CURING.
5. CONCRETE REPAIR SURFACE SHALL BE FINISHED WITH A ROUGH BROOMED TEXTURE, OR MATCHING EXISTING ADJACENT SURFACES.
6. CONCRETE REPAIRS SHALL NOT BE OPENED FOR TRAFFIC FOR A PERIOD OF NOT LESS THAN 72 HOURS FOLLOWING PLACEMENT. BRIDGE PLATES SHALL BE USED TO PROTECT CONCRETE ON ANY LANES REQUIRED TO BE OPENED.
7. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
8. BEDDING, BACKFILL AND COMPACTION WITH NATIVE MATERIALS IS CONSIDERED INCIDENTAL TO THE PIPE OR STRUCTURE ITEM. MATERIAL COSTS FOR SELECT AND FLOWABLE FILL WILL BE PAID SEPARATELY.
9. GRANULAR BACKFILL AND BEDDING SHALL BE 3/4" MAX. TO NO. 4 MATERIAL PER THE SPECIFICATIONS.
10. IF PIPE OR INLETS ARE LOCATED UNDER OR ADJACENT TO SIDEWALK, FLOWABLE FILL OR GRANULAR BACKFILL SHALL BE USED FOR BACKFILL TO WITHIN 2' OF FINISH GRADE.
11. FOR DEEP TRENCHES, DEPTH OF FLOWABLE FILL SHALL BE A MAXIMUM OF 4' DEEP, AS MEASURED DOWN FROM THE SUBGRADE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. GRANULAR BACKFILL MATERIAL SHALL BE USED FROM BOTTOM OF FLOWABLE FILL TO THE TOP OF PIPE ZONE.
12. SURFACE PATCH AND DEEP PATCH SHALL EXTEND A MINIMUM OF 18" OUTSIDE EDGE OF EXCAVATION. FOR CONCRETE PAVEMENT AND APRONS, SAWCUTS WITHIN 5 FEET OF AN EXISTING JOINT SHALL BE REMOVED AND REPLACED TO THE EXISTING JOINT. FOR ALL ASPHALT STREETS, IF THE SAWCUT IS WITHIN 3 FEET OF THE EDGE OF THE EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, THE EXISTING ASPHALT SHALL BE REMOVED TO THAT EDGE AND THE ENTIRE SECTION REPLACED. LONGITUDINAL SAWCUTS SHALL NOT FALL WITHIN 12 INCHES OF THE TIRE PATH.


6.33'
3.00'
.67'
2.67'
2.33'
R3.33'
3.67'
8.33'
2.33'
R2.33'
.33'
2.33'
2'
1'

RIGHT OR LEFT TURN
ARROW
N.T.S.


PLAN
LAP IN DIRECTION OF TRAFFIC
12'-6"
12'-6"
1'-10"
12'-6"
END PANEL
INTERMEDIATE PANEL
END PANEL
ELEVATION
TERMINAL SECTION
RAIL SPLICE
TERMINAL SECTION
SPLICE BOLT
NOTE: POST BOLT SAME EXCEPT LENGTH.
NUT
CUT STEEL WASHER
SECTION THRU RAIL
STEEL POST
CUT STEEL WASHER AND NUT
WOOD POST
WOOD POSTS SHALL BE EITHER DENSE NO.1 STRUCTURAL OR BETTER 9.7 f (1400 f) OR NO. 1 1350 f SOUTHERN PINE.
DETAILS OF POST CONNECTIONS

DATE	REVISION	FILMED
11-07-19	RENUMBERED AND RENAMED	
11-16-17	REVISED GUARDRAIL HEIGHT	
07-14-10	RAISED HEIGHT OF GUARDRAIL 1"	
08-22-02	REVISED DIMENSION ON STEEL POST	
11-16-01	REVISED STEEL AND WOOD POST	
08-12-98	REMOVED CONCRETE POST	
10-18-96	CHANGED WOOD POST NOTE	10-18-96
06-02-94	ADDED ALTERNATE STEEL POST SIZE	
08-05-93	REVISED STEEL POSTS SIZE	8-5-93
08-15-91	DELETE STEEL PLATE WASHER & ADDED TYPE C TO TITLE	8-15-91
10-30-87	REMOVED DET. PLCMNT. ON HWY.	555-11-20-87
01-04-83	GRADE FOR WOOD POSTS	679-1-4-83
10-01-77	HARDENED WASHER	922-10-1-72
10-02-72	REVISED & REDRAWN	521-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

GUARDRAIL DETAILS (TYPE C)
STREET / ROAD BARRICADE OR
TEMPORARY INSTALLATION

STANDARD DRAWING GR-5

HALFF ASSOCIATES INC.
#1470

811
Know what's below.
Call before you dig.

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SAN ANTONIO +1 726 245 1378 700 N. St. Mary's St., Suite 1400, San Antonio, TX 78205
SANTA MONICA +1 213 394 7230 730 Arizona Ave., Santa Monica, CA 90401
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TBAE REG. No. BR 4215

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JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV,
West Memphis, AR 72301

JOB No.: WESCIT00561

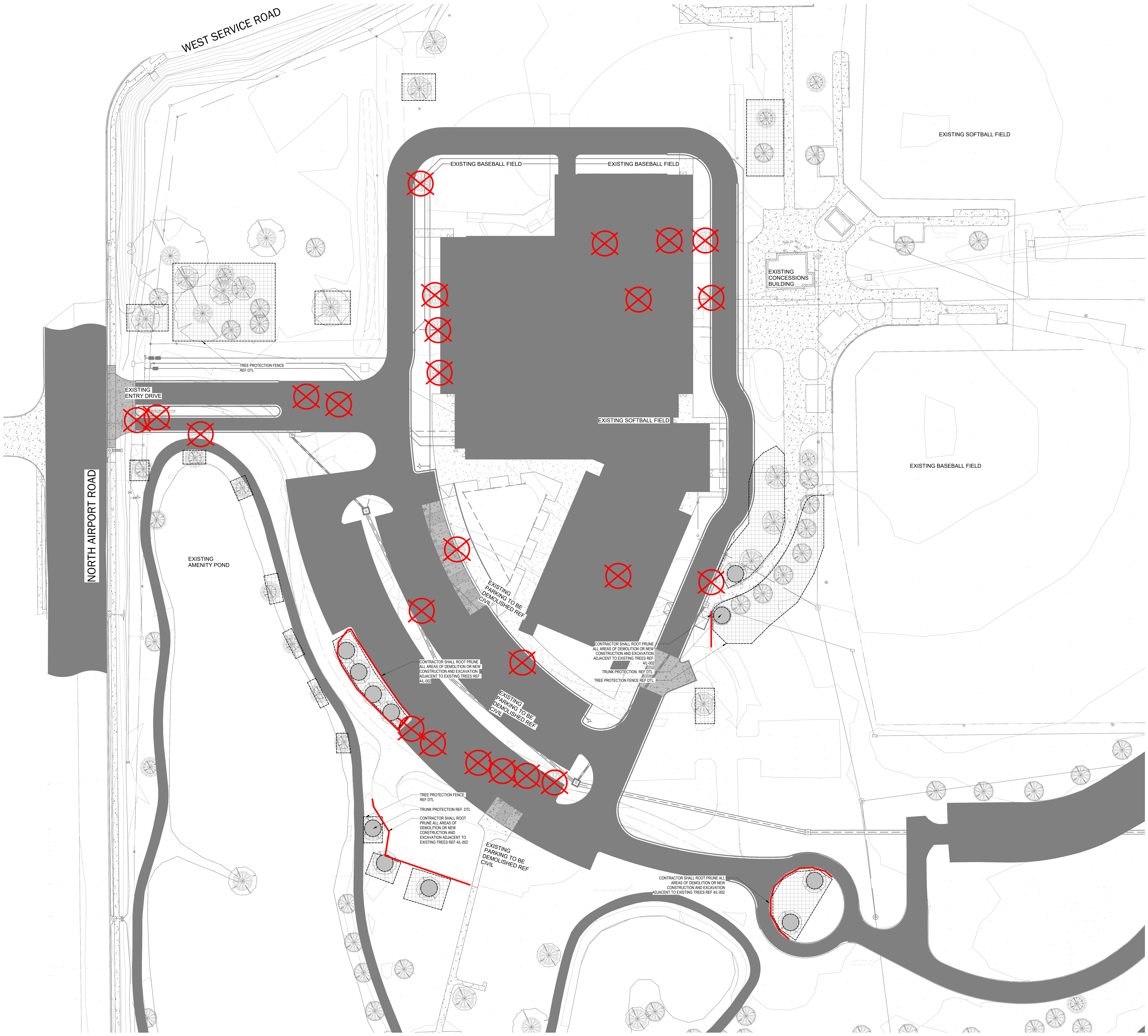
SHEET TITLE

EROSION CONTROL
& MISC. DETAILS

SHEET NUMBER

C7.05

A.M.D.G.


WEST SERVICE ROAD
NORTH AIRPORT ROAD
EXISTING ENTRY DRIVE
EXISTING AMENITY POND
EXISTING BASEBALL FIELD
EXISTING BASEBALL FIELD
EXISTING SOFTBALL FIELD
EXISTING SOFTBALL FIELD
EXISTING CONCESSIONS BUILDING
EXISTING BASEBALL FIELD
TREE PROTECTION FENCE REF DTL
EXISTING PARKING TO BE DEMOLISHED REF CIVIL
EXISTING PARKING TO BE DEMOLISHED REF CIVIL
EXISTING PARKING TO BE DEMOLISHED REF CIVIL
CONTRACTOR SHALL ROOT PRUNE ALL AREAS OF DEMOLITION OR NEW CONSTRUCTION AND EXCAVATION ADJACENT TO EXISTING TREES REF 4/L-002
CONTRACTOR SHALL ROOT PRUNE ALL AREAS OF DEMOLITION OR NEW CONSTRUCTION AND EXCAVATION ADJACENT TO EXISTING TREES REF 4/L-002
TRUNK PROTECTION REF DTL.
TREE PROTECTION FENCE REF DTL.
TREE PROTECTION FENCE REF DTL
TRUNK PROTECTION REF. DTL
CONTRACTOR SHALL ROOT PRUNE ALL AREAS OF DEMOLITION OR NEW CONSTRUCTION AND EXCAVATION ADJACENT TO EXISTING TREES REF 4/L-002
CONTRACTOR SHALL ROOT PRUNE ALL AREAS OF DEMOLITION OR NEW CONSTRUCTION AND EXCAVATION ADJACENT TO EXISTING TREES REF 4/L-002

TREE PROTECTION PLAN 1
1" = 30'-0"

GENERAL NOTES - TREE PROTECTION

TREE PROTECTION

1. ALL TREES OUTSIDE OF THE LIMITS OF CONSTRUCTION AND OUTSIDE OF THE DISTURBED AREAS SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

2. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING. REFERENCE THE TREE PROTECTION DETAIL AND CITY OF DEER PARK STANDARDS.

3. TREE PROTECTION FENCES SHALL BE ERECTED ACCORDING TO THE TREE PROTECTION DETAIL INCLUDING TYPES OF FENCING AND REQUIRED SIGNAGE.

4. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK CLEARING GRUBBING OR GRADING AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. EROSION AND SEDIMENTATION CONTROL BARRIERS SILT FENCING SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHICH PREVENTS SOIL BUILDUP WITHIN TREE DRIP LINES.

6. FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES THE; DRIP LINE OR CRITICAL ROOT ZONES WHICHEVER IS GREATER AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT:
A. SOIL COMPACTION IN THE CRITICAL ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS
B. CRITICAL ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE LANDSCAPE ARCHITECTWOUNDS TO EXPOSE ROOTS TRUNKS OR LIMBS BY MECHANICAL EQUIPMENT AND
C. OTHER ACTIVITY DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE CONCRETE TRUCK CLEANING AND FIRES.

7. EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIP LINES OR CRITICAL ROOT ZONE WHICHEVER IS GREATER MAY BE PERMITTED IN THE FOLLOWING CASES; WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, WHERE THERE IS TO BE IMPERMEABLE PAVING SURFACE, OR A TREE WELL. WHERE PERMEABLE PAVING IS TO BE INSTALLED ERECT A FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS ERECT THE FENCE NO CLOSER THAN SIX FEET TO THE BUILDING. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACK SIZE OR OTHER SPECIAL REQUIREMENTS CONTACT THE LANDSCAPE ARCHITECT TO DISCUSS ALTERNATIVES.

8. WHERE ANY PROPOSED ENCROACHMENTS ARE WITHIN 10 FEET TO A TREE TRUNK THE TRUNK SHALL BE PROTECTED BY STRAPPED ON PLANKING TO A HEIGHT OF EIGHT FEET OR TO THE LIMITS OF LOWER BRANCHING.

9. WHERE ANY PROPOSED ENHANCEMENTS REQUIRING THE USE OF MOTORIZED MACHINERY OF ANY SIZE ARE LOCATED WITHIN THE DRIP LINE OR CRITICAL ROOT ZONE OF EXISTING TREES THE CONTRACTOR IS REQUIRED TO PLACE AND PERFORM ALL WORK ON TIMBER MAT BEARING PADS TO KEEP FROM COMPACTING SOILS. CONTRACTOR SHALL SUBMIT REQUESTS FOR APPROVAL FOR ANY OF FOR ANY USE OF MOTORIZED EQUIPMENT WITHIN THE TREE PRESERVATION AREA OR CRITICAL ROOT ZONE PRIOR TO COMMENCEMENT OF WORK.

10. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIP LINE OR CRITICAL ROOT ZONES WHICHEVER IS GREATER THOSE AREAS SHOULD BE COVERED WITH FOUR INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.

11. ALL GRADING WITHIN TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WITHIN THE DRIPLINE OR CRITICAL ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. CONTRACTOR SHALL SUBMIT REQUEST FOR APPROVAL FOR THE USE OF ANY MOTORIZED EQUIPMENT WITHIN THESE ZONES PRIOR TO COMMENCEMENT OF WORK. PRIOR TO GRADING RELOCATE FENCING 2 FEET BEHIND ANY GRADE CHANGE AREAS.

12. ANY ROUTES EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH A GOOD QUALITY TOPSOIL WITHIN 24 HOURS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 24 HOURS INORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURES AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.

13. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN THE TREE DRIP LINES A CLEAN CUT SHALL BE MADE WITH A ROCKSTAR OR SIMILAR EQUIPMENT IN A LOCATION AND TO A DEPTH APPROVED BY THE LANDSCAPE ARCHITECT TO MINIMIZE DAMAGE TO THE REMAINING ROOTS.

14. TREES THAT ARE HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE DEEP WATERED ONCE A WEEK DURING PERIODS OF HOT DRY WEATHER.

15. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE A PLASTIC VAPOR BARRIER SHALL BE PLACED BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE CRITICAL ROOT ZONE.

16. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE ALL APPROVED TRENCHING WITHIN THE DRIP LINE AND OR CRITICAL ROOT ZONE SHALL BE PERFORMED BY HAND MINIMIZING THE IMPACT TO LATERAL ROOTS.

17. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OR CRITICAL ROOT ZONE OF TREES WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.

18. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES VEHICULAR TRAFFIC AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRUNING MUST BE DONE ACCORDING TO THE INTERNATIONAL SOCIETY OF ARBORICULTURE ISA PRUNING TECHNIQUES.

19. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED. CONTRACTOR STILL SUBMIT METHODS FOR TREE REMOVAL FOR APPROVAL PRIOR TO COMMENCING WORK.

20. DEVIATIONS FROM THE ABOVE REQUIREMENTS AND DAMAGE TO TREES DUE TO NEGLECT MAY BE CONSIDERED CONTRACT VIOLATIONS.

LEGEND - TREE PROTECTION

▦	4'-0" HIGH HDPE TREE PROTECTION FENCE, REF DETAIL
●	TRUNK PROTECTION REF. DETAIL
✳	EXISTING TREES TO BE PRESERVED
⊗	EXISTING TREES TO BE REMOVED, GRIND STUMP 2'-0" BELOW GRADE AND HAUL OFF - FILL IN EXCAVATION WITH SOIL AND BRING TO GRADE
～	ROOT PRUNING REF. DETAIL

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CONSULTANT

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

LANDSCAPE TREE
PROTECTION PLAN

SHEET NUMBER

L-001

FILE PATH: Autodesk Docs://City of West Memphis Recreation Center/WMR_BLDG A_RAC_ARCH.rvt
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GENERAL NOTES - TREE PROTECTION

TREE PROTECTION

1. ALL TREES OUTSIDE OF THE LIMITS OF CONSTRUCTION AND OUTSIDE OF THE DISTURBED AREAS SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

2. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING. REFERENCE THE TREE PROTECTION DETAIL AND CITY OF DEER PARK STANDARDS.

3. TREE PROTECTION FENCES SHALL BE ERECTED ACCORDING TO THE TREE PROTECTION DETAIL INCLUDING TYPES OF FENCING AND REQUIRED SIGNAGE.

4. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK CLEARING GRUBBING OR GRADING AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. EROSION AND SEDIMENTATION CONTROL BARRIERS SILT FENCING SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHICH PREVENTS SOIL BUILDUP WITHIN TREE DRIP LINES.

6. FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES THE; DRIP LINE OR CRITICAL ROOT ZONES WHICHEVER IS GREATER AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT:
A. SOIL COMPACTION IN THE CRITICAL ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS
B. CRITICAL ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE LANDSCAPE ARCHITECTWOUNDS TO EXPOSE ROOTS TRUNKS OR LIMBS BY MECHANICAL EQUIPMENT AND
C. OTHER ACTIVITY DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE CONCRETE TRUCK CLEANING AND FIRES.

7. EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIP LINES OR CRITICAL ROOT ZONE WHICHEVER IS GREATER MAY BE PERMITTED IN THE FOLLOWING CASES; WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, WHERE THERE IS TO BE IMPERMEABLE PAVING SURFACE, OR A TREE WELL. WHERE PERMEABLE PAVING IS TO BE INSTALLED ERECT A FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS ERECT THE FENCE NO CLOSER THAN SIX FEET TO THE BUILDING. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACK SIZE OR OTHER SPECIAL REQUIREMENTS CONTACT THE LANDSCAPE ARCHITECT TO DISCUSS ALTERNATIVES.

8. WHERE ANY PROPOSED ENCROACHMENTS ARE WITHIN 10 FEET TO A TREE TRUNK THE TRUNK SHALL BE PROTECTED BY STRAPPED ON PLANKING TO A HEIGHT OF EIGHT FEET OR TO THE LIMITS OF LOWER BRANCHING.

9. WHERE ANY PROPOSED ENHANCEMENTS REQUIRING THE USE OF MOTORIZED MACHINERY OF ANY SIZE ARE LOCATED WITHIN THE DRIP LINE OR CRITICAL ROOT ZONE OF EXISTING TREES THE CONTRACTOR IS REQUIRED TO PLACE AND PERFORM ALL WORK ON TIMBER MAT BEARING PADS TO KEEP FROM COMPACTING SOILS. CONTRACTOR SHALL SUBMIT REQUESTS FOR APPROVAL FOR ANY OF FOR ANY USE OF MOTORIZED EQUIPMENT WITHIN THE TREE PRESERVATION AREA OR CRITICAL ROOT ZONE PRIOR TO COMMENCEMENT OF WORK.

10. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIP LINE OR CRITICAL ROOT ZONES WHICHEVER IS GREATER THOSE AREAS SHOULD BE COVERED WITH FOUR INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.

11. ALL GRADING WITHIN TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WITHIN THE DRIPLINE OR CRITICAL ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. CONTRACTOR SHALL SUBMIT REQUEST FOR APPROVAL FOR THE USE OF ANY MOTORIZED EQUIPMENT WITHIN THESE ZONES PRIOR TO COMMENCEMENT OF WORK. PRIOR TO GRADING RELOCATE FENCING 2 FEET BEHIND ANY GRADE CHANGE AREAS.

12. ANY ROUTES EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH A GOOD QUALITY TOPSOIL WITHIN 24 HOURS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 24 HOURS INORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURES AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.

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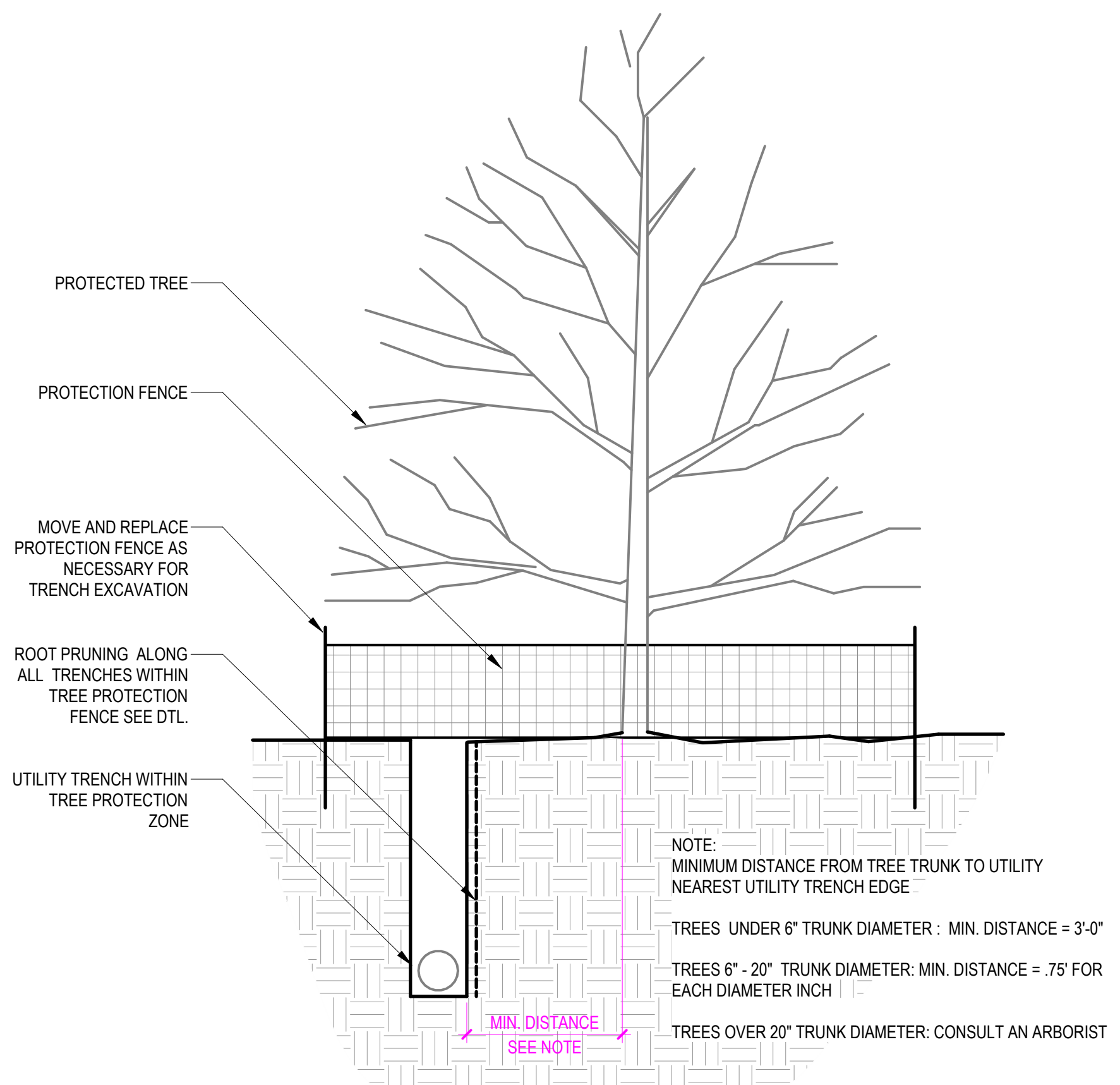

PROTECTED TREE
PROTECTION FENCE
MOVE AND REPLACE PROTECTION FENCE AS NECESSARY FOR TRENCH EXCAVATION
ROOT PRUNING ALONG ALL TRENCHES WITHIN TREE PROTECTION FENCE SEE DTL.
UTILITY TRENCH WITHIN TREE PROTECTION ZONE
MIN. DISTANCE SEE NOTE

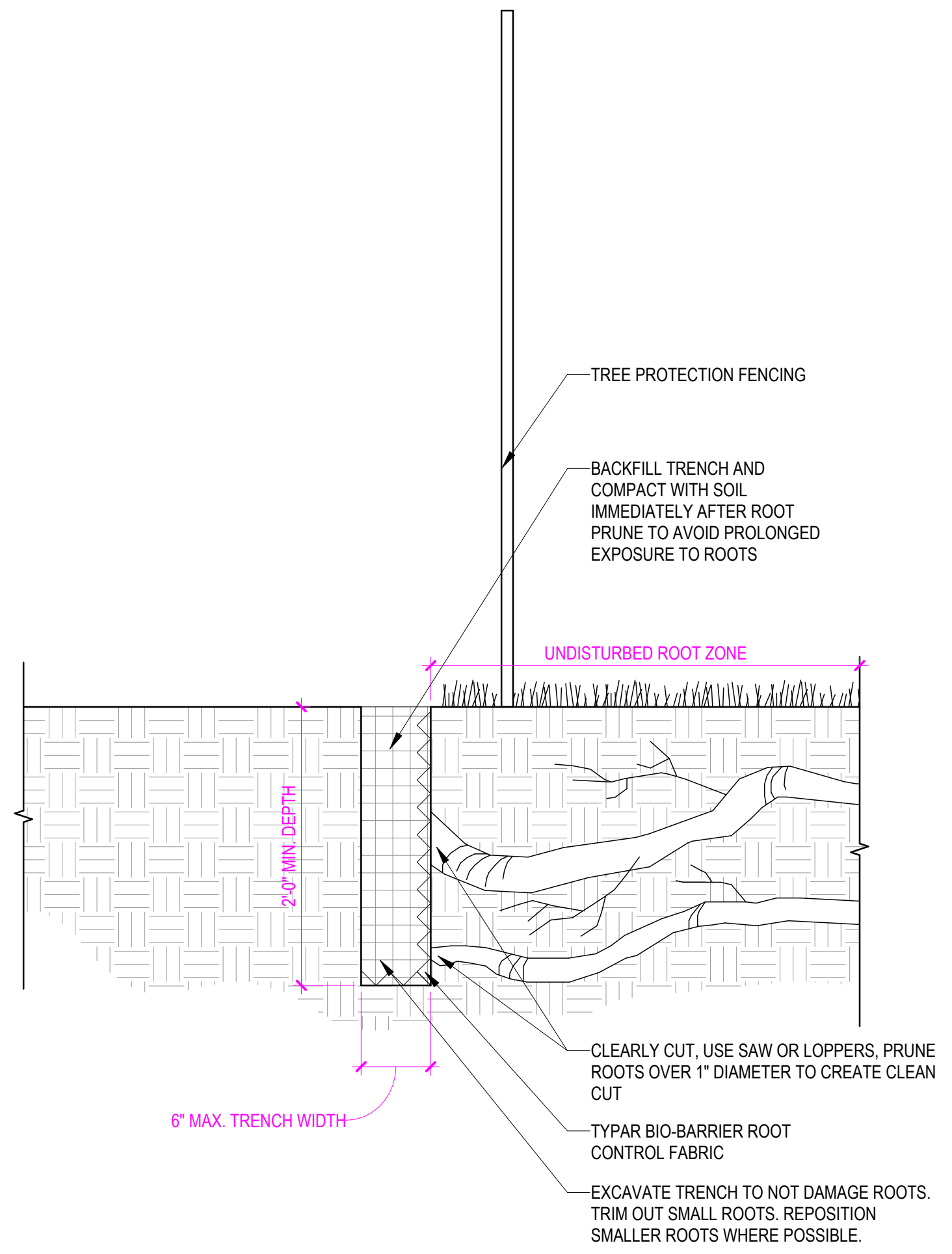
NOTE:
MINIMUM DISTANCE FROM TREE TRUNK TO UTILITY NEAREST UTILITY TRENCH EDGE

TREES UNDER 6" TRUNK DIAMETER : MIN. DISTANCE = 3'-0"

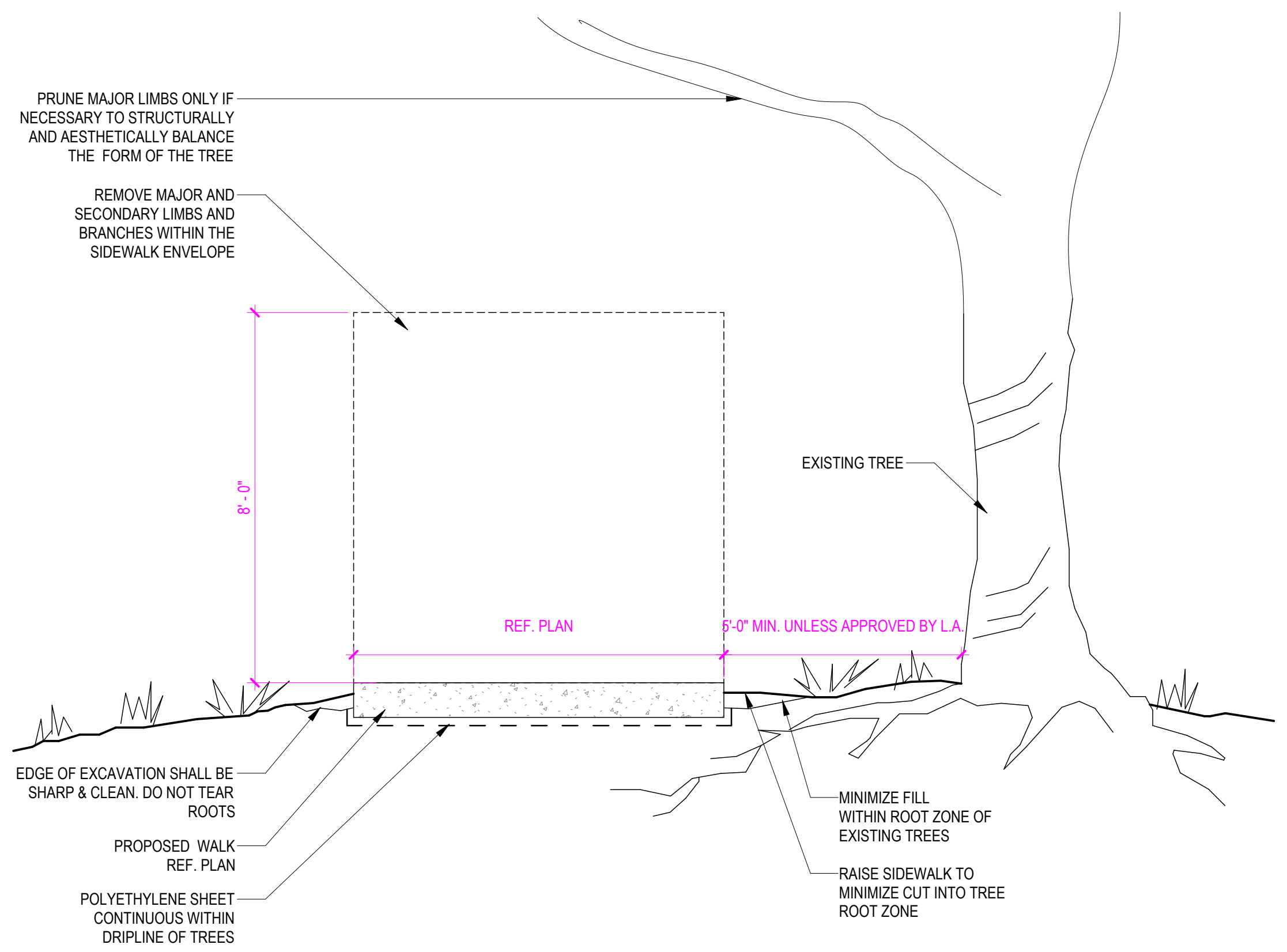
TREES 6" - 20" TRUNK DIAMETER: MIN. DISTANCE = .75' FOR EACH DIAMETER INCH

TREES OVER 20" TRUNK DIAMETER: CONSULT AN ARBORIST

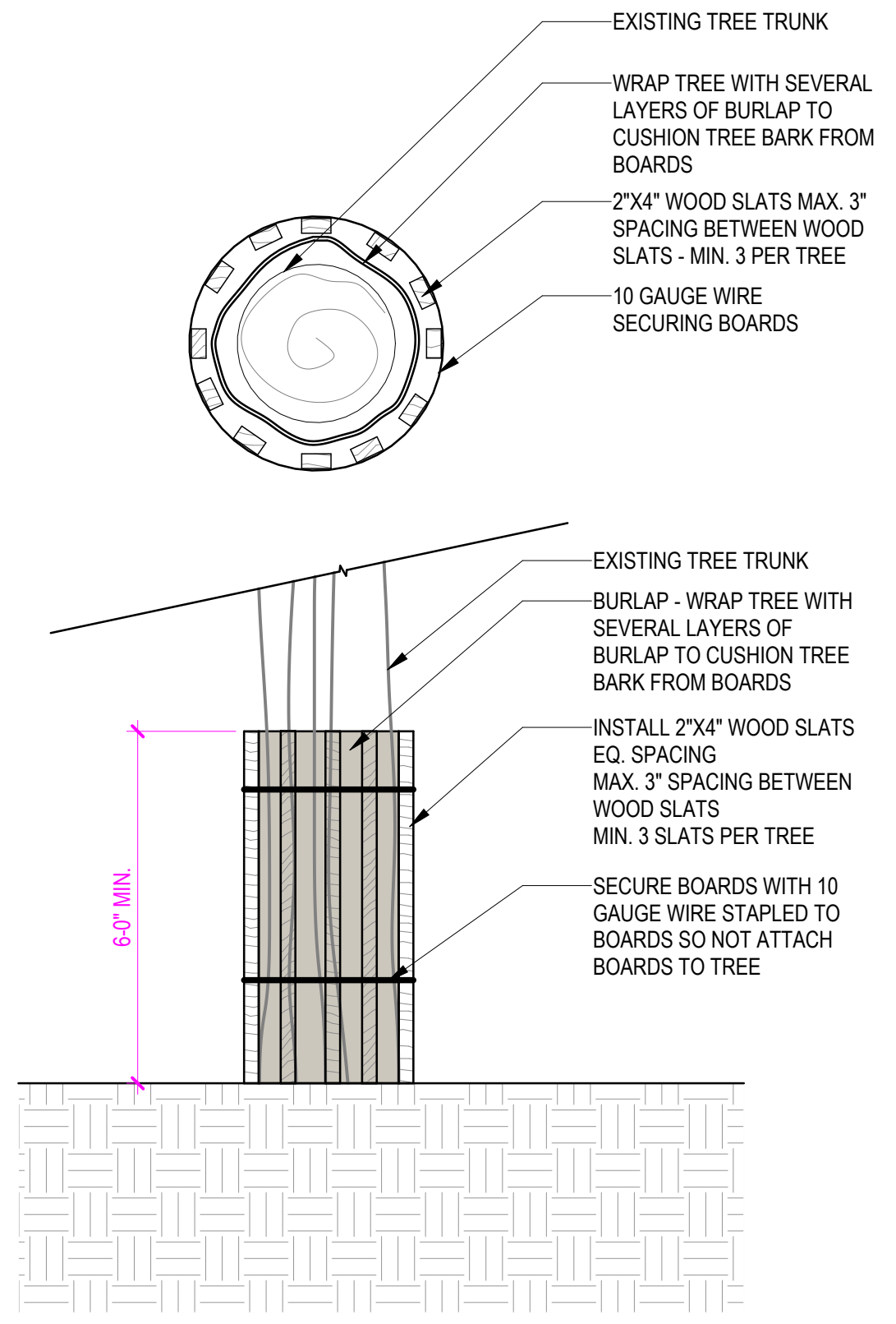
TREE PROTECTION - TRENCHING 5
1" = 1'-0"


TREE PROTECTION FENCING
BACKFILL TRENCH AND COMPACT WITH SOIL IMMEDIATELY AFTER ROOT PRUNE TO AVOID PROLONGED EXPOSURE TO ROOTS
UNDISTURBED ROOT ZONE
2'-0" MIN. DEPTH
6" MAX. TRENCH WIDTH
CLEARLY CUT, USE SAW OR LOPPERS, PRUNE ROOTS OVER 1" DIAMETER TO CREATE CLEAN CUT
TYPAR BIO-BARRIER ROOT CONTROL FABRIC
EXCAVATE TRENCH TO NOT DAMAGE ROOTS. TRIM OUT SMALL ROOTS. REPOSITION SMALLER ROOTS WHERE POSSIBLE.

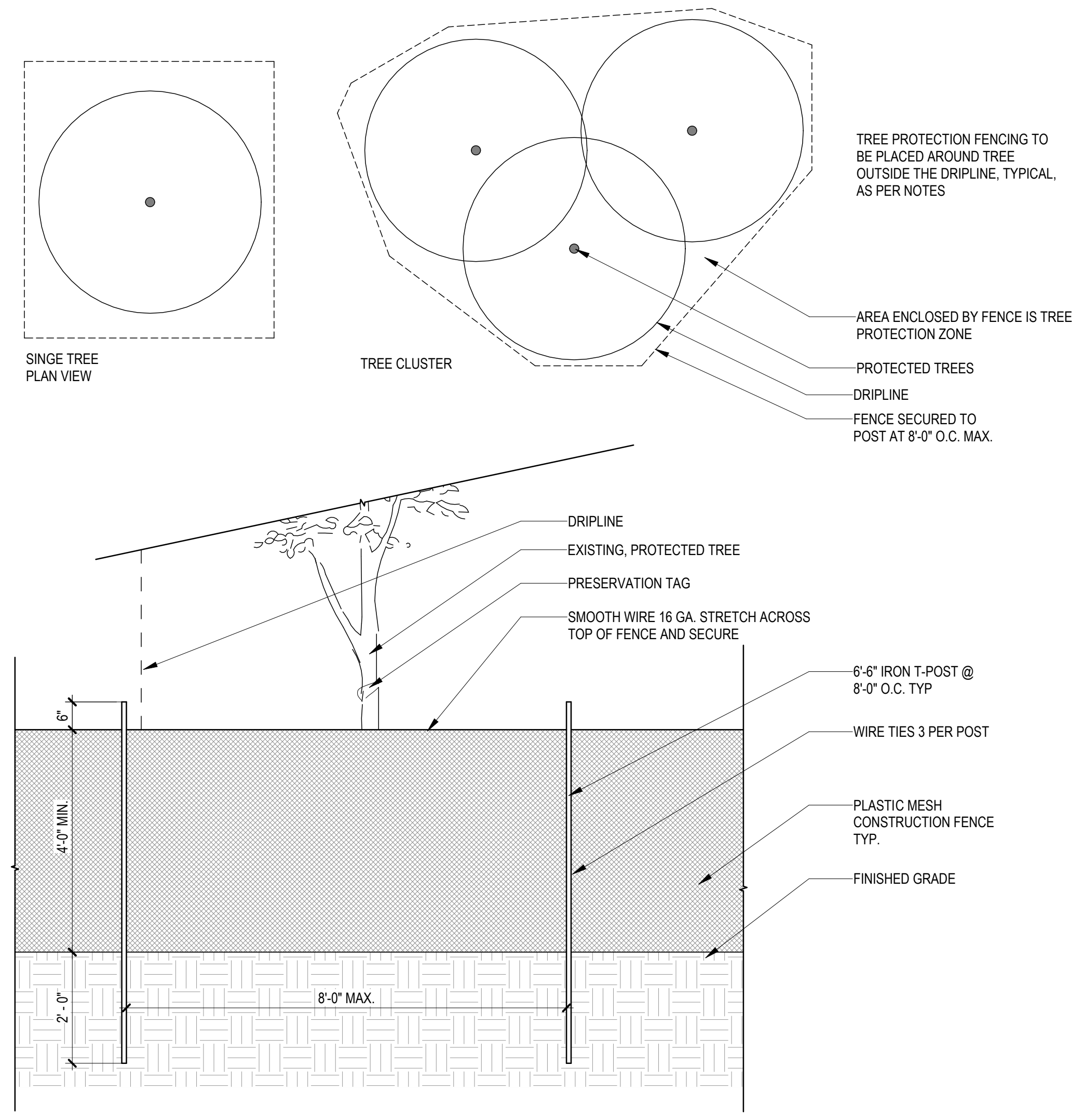
TREE PROTECTION - ROOT PRUNING 4
1" = 1'-0"


PRUNE MAJOR LIMBS ONLY IF NECESSARY TO STRUCTURALLY AND AESTHETICALLY BALANCE THE FORM OF THE TREE
REMOVE MAJOR AND SECONDARY LIMBS AND BRANCHES WITHIN THE SIDEWALK ENVELOPE
8' - 0"
EXISTING TREE
REF. PLAN
5'-0" MIN. UNLESS APPROVED BY L.A.
EDGE OF EXCAVATION SHALL BE SHARP & CLEAN. DO NOT TEAR ROOTS
PROPOSED WALK REF. PLAN
POLYETHYLENE SHEET CONTINUOUS WITHIN DRIPLINE OF TREES
MINIMIZE FILL WITHIN ROOT ZONE OF EXISTING TREES
RAISE SIDEWALK TO MINIMIZE CUT INTO TREE ROOT ZONE

TREE PROTECTION - WALK 3
3/8" = 1'-0"


EXISTING TREE TRUNK
WRAP TREE WITH SEVERAL LAYERS OF BURLAP TO CUSHION TREE BARK FROM BOARDS
2"X4" WOOD SLATS MAX. 3" SPACING BETWEEN WOOD SLATS - MIN. 3 PER TREE
10 GAUGE WIRE SECURING BOARDS
EXISTING TREE TRUNK
BURLAP - WRAP TREE WITH SEVERAL LAYERS OF BURLAP TO CUSHION TREE BARK FROM BOARDS
INSTALL 2"X4" WOOD SLATS EQ. SPACING MAX. 3" SPACING BETWEEN WOOD SLATS MIN. 3 SLATS PER TREE
SECURE BOARDS WITH 10 GAUGE WIRE STAPLED TO BOARDS SO NOT ATTACH BOARDS TO TREE
6'-0" MIN.

TREE PROTECTION - TRUNK PROTECTION 2
1/2" = 1'-0"


SINGE TREE PLAN VIEW
TREE CLUSTER
TREE PROTECTION FENCING TO BE PLACED AROUND TREE OUTSIDE THE DRIPLINE, TYPICAL, AS PER NOTES
AREA ENCLOSED BY FENCE IS TREE PROTECTION ZONE
PROTECTED TREES
DRIPLINE
FENCE SECURED TO POST AT 8'-0" O.C. MAX.
DRIPLINE
EXISTING, PROTECTED TREE
PRESERVATION TAG
SMOOTH WIRE 16 GA. STRETCH ACROSS TOP OF FENCE AND SECURE
6'-6" IRON T-POST @ 8'-0" O.C. TYP
WIRE TIES 3 PER POST
PLASTIC MESH CONSTRUCTION FENCE TYP.
FINISHED GRADE
6"
4'-0" MIN.
2' - 0"
8'-0" MAX.

TREE PROTECTION - FENCE 1
1/2" = 1'-0"

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Projectluong.com

TBAE REG. No. BR 4215

CONSULTANT

JOB INFO

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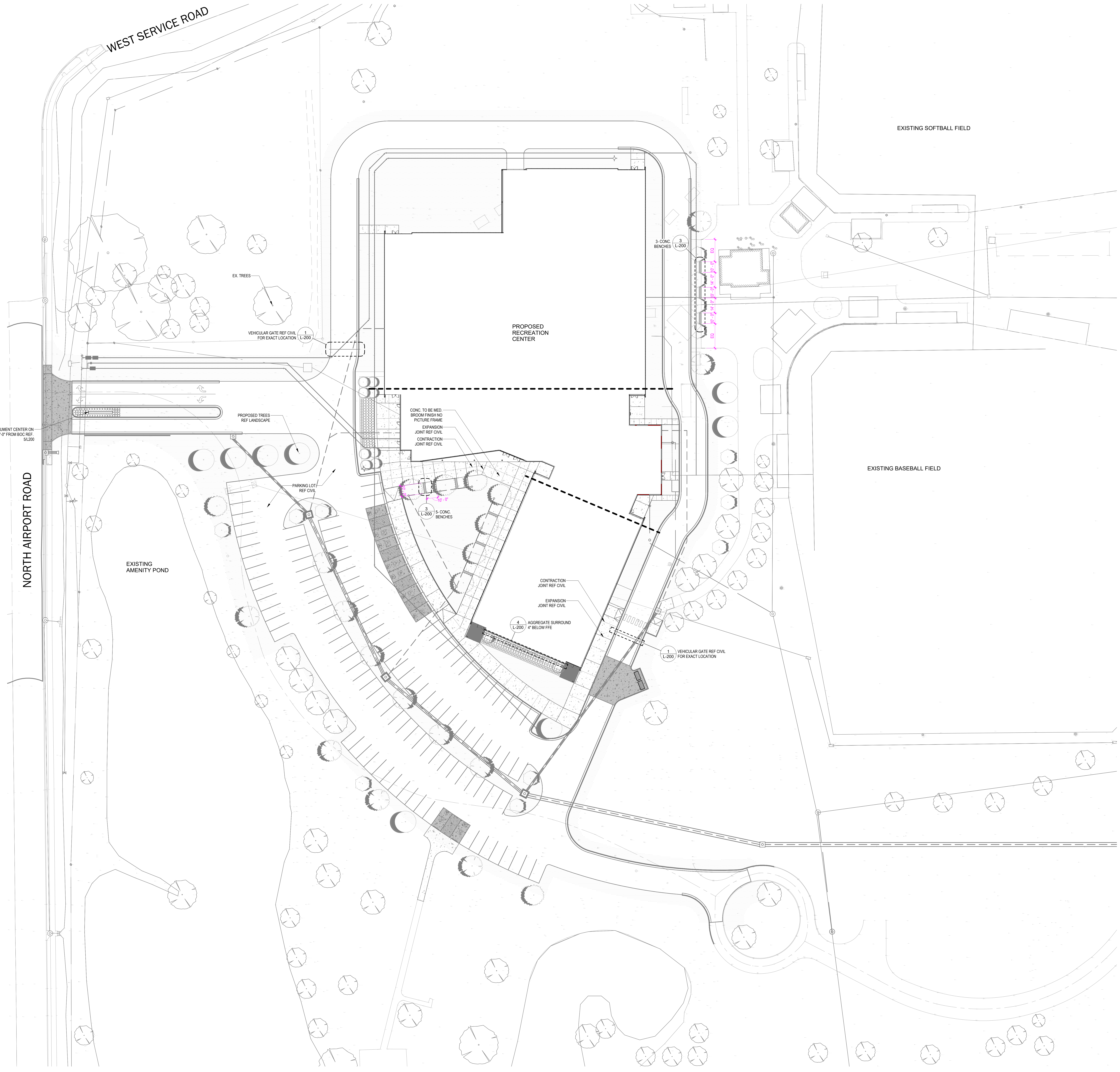
RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE
LANDSCAPE TREE PROTECTION DETAILS AND NOTES

SHEET NUMBER
L-002


WEST SERVICE ROAD
NORTH AIRPORT ROAD
EX. TREES
VEHICULAR GATE REF CIVIL FOR EXACT LOCATION
1
L-200
ENTRY MONUMENT CENTER ON MEDIAN 15'-0" FROM BOC REF. 5/L200
PROPOSED TREES REF LANDSCAPE
PARKING LOT REF CIVIL
EXISTING AMENITY POND
PROPOSED RECREATION CENTER
CONC. TO BE MED. BROOM FINISH NO PICTURE FRAME
EXPANSION JOINT REF CIVIL
CONTRACTION JOINT REF CIVIL
10' - 0"
3
L-200
5- CONC. BENCHES
CONTRACTION JOINT REF CIVIL
EXPANSION JOINT REF CIVIL
4
L-200
AGGREGATE SURROUND 4" BELOW FFE
1
L-200
VEHICULAR GATE REF CIVIL FOR EXACT LOCATION
3- CONC. BENCHES
3
L-200
EQ
10' - 0"
14' - 0"
10' - 0"
14' - 0"
10' - 0"
EQ
CO
EXISTING SOFTBALL FIELD
EXISTING BASEBALL FIELD

LANDSCAPE SITE PLAN 1

1" = 30'-0"

GENERAL NOTES - LANDSCAPE CONSTRUCTION

GENERAL CONSTRUCTION

1. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED PRIOR TO STARTING CONSTRUCTION. PERMITS SHALL BE ISSUED IN THE OWNER'S NAME.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES AND OTHER FACILITIES.
3. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF JOB, SHALL BE AS GOOD OR BETTER THAN CONDITION PRIOR TO STARTING WORK.
4. CONTRACTOR SHALL INSTALL ALL WORK IN ACCORDANCE WITH APPROPRIATE JURISDICTION. CONTACT LANDSCAPE ARCHITECT WITH ANY CLARIFICATIONS OR QUESTIONS DURING THE BID PERIOD.
5. CONTRACTOR SHALL COORDINATE WITH FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK.
6. LAYOUT AND STAKE ALL ELEMENTS FOR APPROVAL BY LANDSCAPE ARCHITECT. IF LANDSCAPE ARCHITECT IS NOT NOTIFIED BEFORE INSTALLATION OR DISCREPANCY IS FOUND IN FIELD THAT NEEDS TO BE RESOLVED ADJUSTMENTS WILL BE AT THE CONTRACTOR'S EXPENSE.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL EXISTING GRADES DAMAGED DURING CONSTRUCTION.
8. DIMENSIONS ARE TO R.O.W., BACK OF CURB, ADJACENT LOT LINE, EDGE OF PAVEMENT, CENTER LINE OF WALK, OR CENTER LINE OF DRILLED PIER.
9. CONTRACTOR SHALL EXERCISE DUE CARE IN MAINTAINING THE INTEGRITY AND POSITION OF ALL LOT/PROPERTY PINS/STAKES AS WELL AS UTILITY COMPANY STAKING PRESENT WITHIN THE LIMITS OF WORK AS DESIGNATED BY THESE CONTRACT DOCUMENTS. ALL PINS/STAKES THAT ARE NOT PRESENT AT THE END OF CONSTRUCTION SHALL BE REPLACED AND RE-ESTABLISHED AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL SUPPLY STRUCTURAL SHOP DRAWINGS FOR ALL COLUMNS, WALLS, MASONRY FENCES AND OTHER STRUCTURES WHICH REQUIRE FOOTINGS AND OR PIERS UNLESS NOTED OTHERWISE. DRAWINGS MUST BE SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER.
11. WORK TO BE PERFORMED FROM HOURS OF 7:00 AM TO 7:00 PM MONDAY THROUGH SATURDAY ONLY.
12. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TREES AND PROTECT TREES FROM CONSTRUCTION DAMAGE.
13. CONTRACTOR SHALL NOT DISTURB EXISTING DRAINAGE PATTERNS WITHIN THE SCOPE OF WORK THAT EFFECTS ADJACENT LOTS. IF AREA CAN BE RE-SHAPED AND GRADED TO DRAIN MORE EFFECTIVELY AND NOT DISTURB ADJACENT LOTS CONTRACTOR SHALL DISCUSS WITH LANDSCAPE ARCHITECT BEFORE WORK IS PERFORMED.
14. CONTRACTOR SHALL INCLUDE IN BID COST TO REPAIR ANY DAMAGES DONE TO EXISTING IRRIGATION SYSTEM, WALKS, CURBS, ETC. (ANY DAMAGE DONE TO EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AT NO ADDITIONAL COST TO THE PROJECT.)
15. CONTRACTOR SHALL CLEAN UP TRASH AND DEBRIS ON THE PROJECT SITE AS NEEDED TO KEEP IT CLEAN AND PRESENTABLE COMMENCING THE DAY THE CONTRACTOR MOBILIZES AND ENDING WHEN THE PROJECT IS COMPLETED.
16. CONTRACTOR SHALL CLEAN ALL DEBRIS FROM SITE DAILY AND DISPOSE OF FENCING MATERIAL PROPERLY.
17. CONTRACTOR TO VISIT THE PROJECT SITE PRIOR TO PLACING THE BID TO DETERMINE WHAT DIRT WORK NEEDS WILL BE AND TO INCLUDE THAT IN HIS BASE BID.
18. CONTRACTOR SHALL NOT BILL FOR STORED MATERIALS OR ITEMS THAT HAVE NOT BEEN INSTALLED.
19. CONTRACTOR IS RESPONSIBLE TO CHECK PINS COMPARED TO THE PLAT IF DISCREPANCY ARISES IN THE FIELD CONTACT LANDSCAPE ARCHITECT.
20. SITE PLAN LAYOUTS SHOWN AND DIMENSIONS ARE APPROXIMATE. FIELD VERIFY AND FLAG ITEM LOCATIONS FOR REVIEW BY LANDSCAPE ARCHITECT BEFORE INSTALLATION. NOTIFY LANDSCAPE ARCHITECT IF LOT PINS CAN NOT BE LOCATED.

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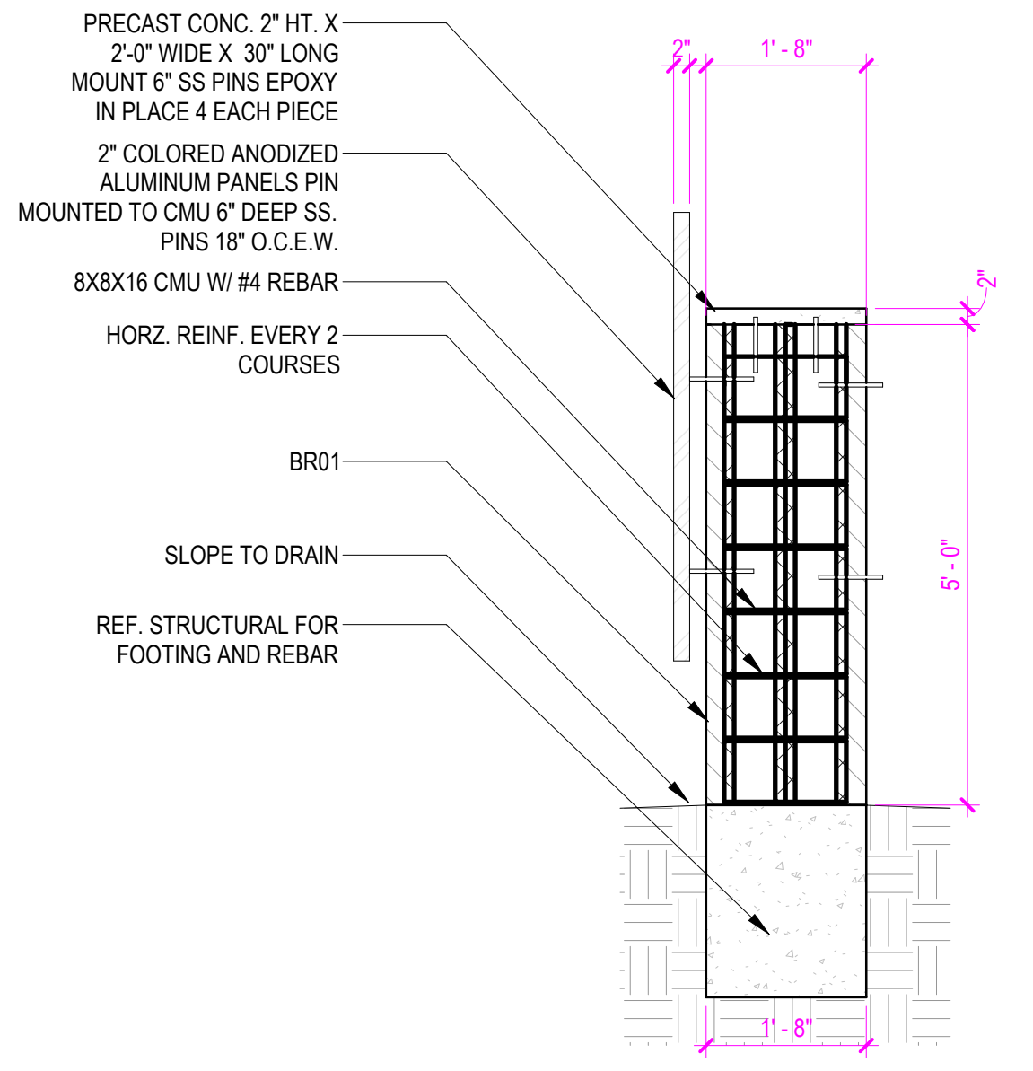
SHEET TITLE

LANDSCAPE SITE PLAN

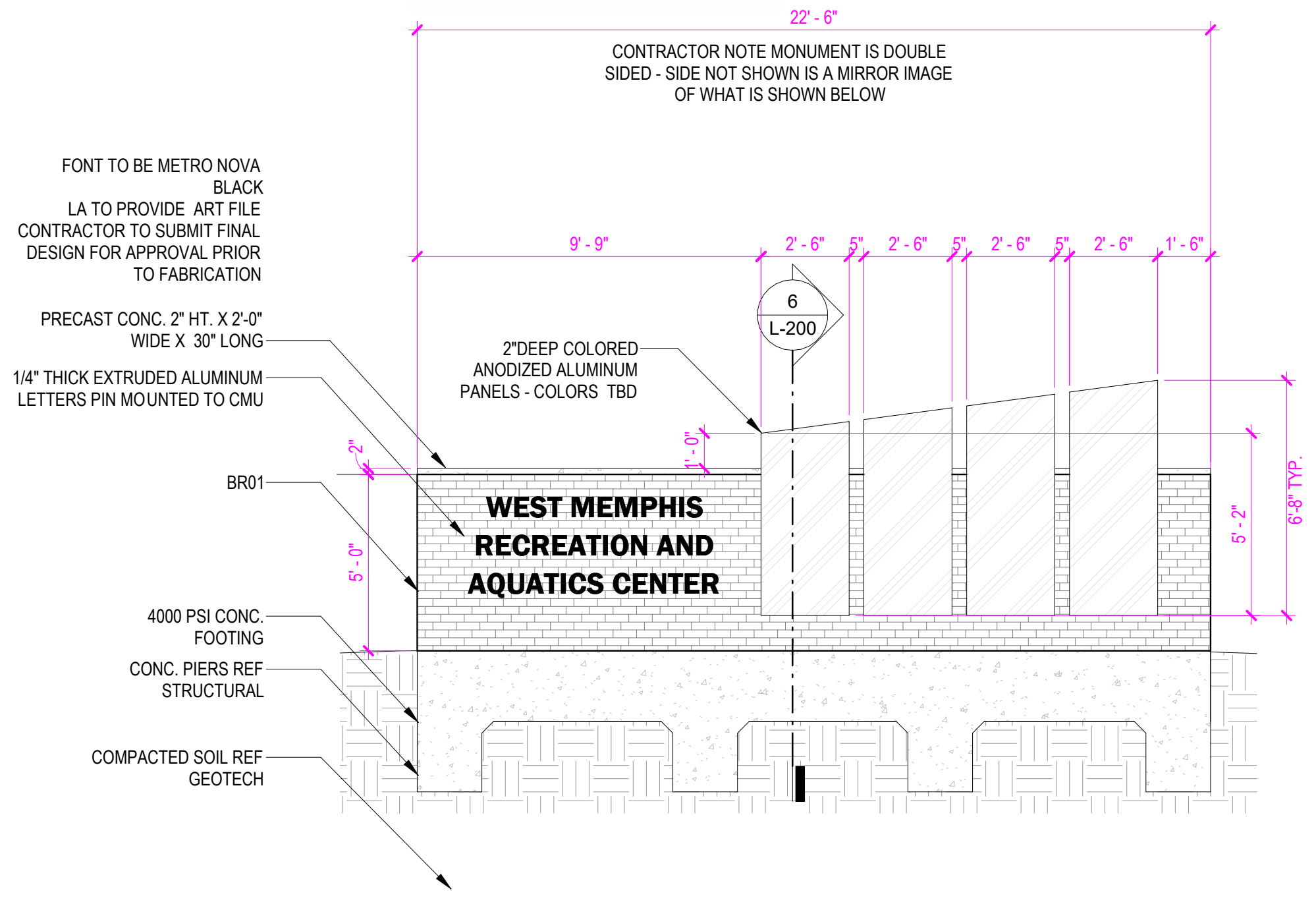
SHEET NUMBER

L-100

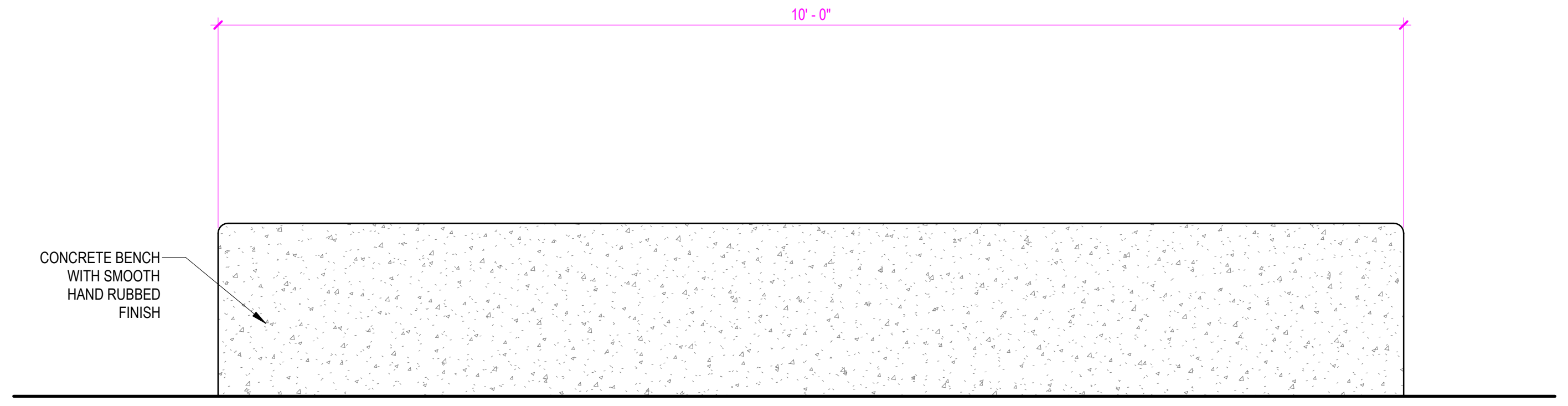
A.M.D.G.

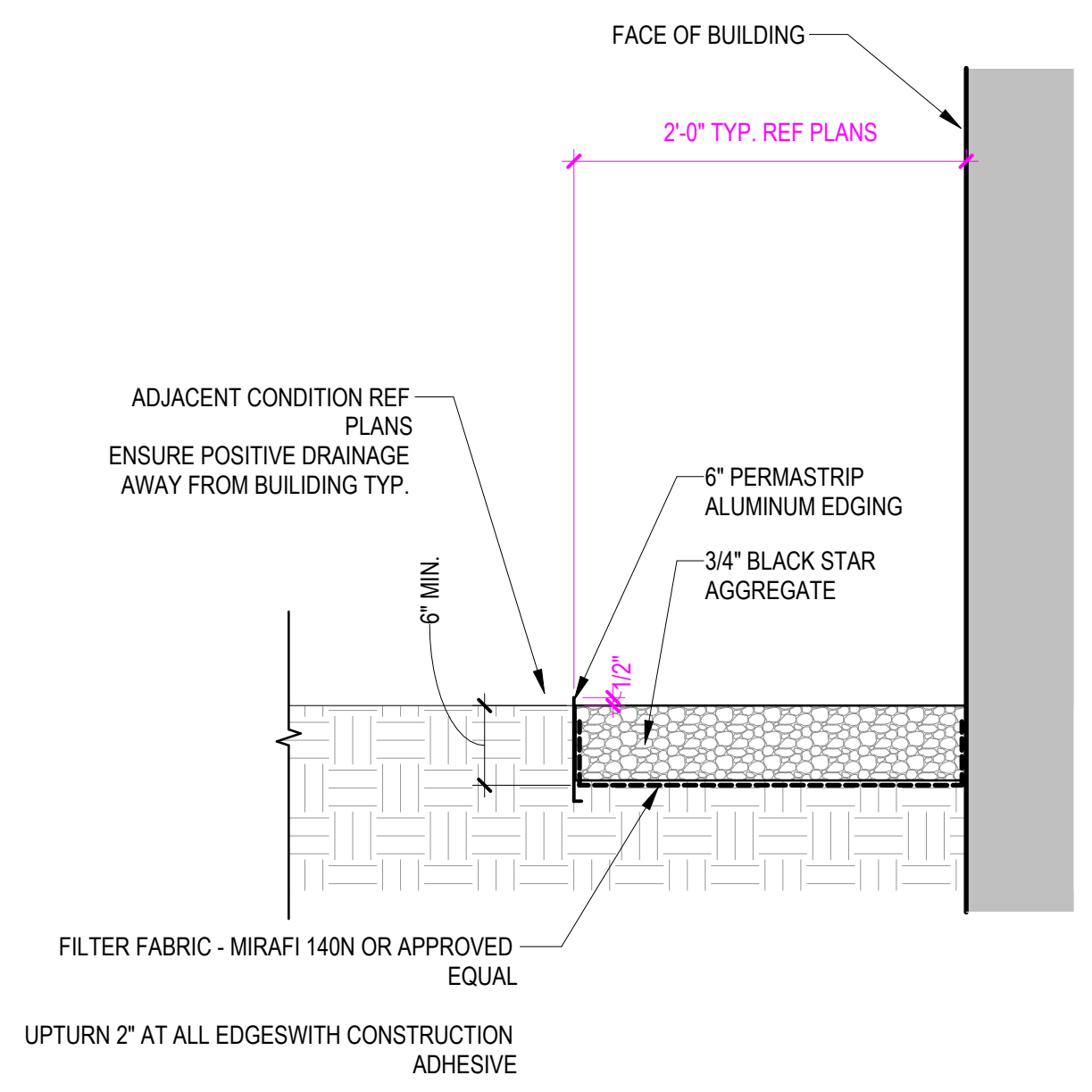

PRECAST CONC. 2" HT. X 2'-0" WIDE X 30" LONG MOUNT 6" SS PINS EPOXY IN PLACE 4 EACH PIECE
2" COLORED ANODIZED ALUMINUM PANELS PIN MOUNTED TO CMU 6" DEEP SS. PINS 18" O.C.E.W.
8X8X16 CMU W/ #4 REBAR
HORZ. REINF. EVERY 2 COURSES
BR01
SLOPE TO DRAIN
REF. STRUCTURAL FOR FOOTING AND REBAR
2"
1' - 8"
2"
5' - 0"
1' - 8"

ENTRY MONUMENT DETAIL 6
1/2" = 1'-0"

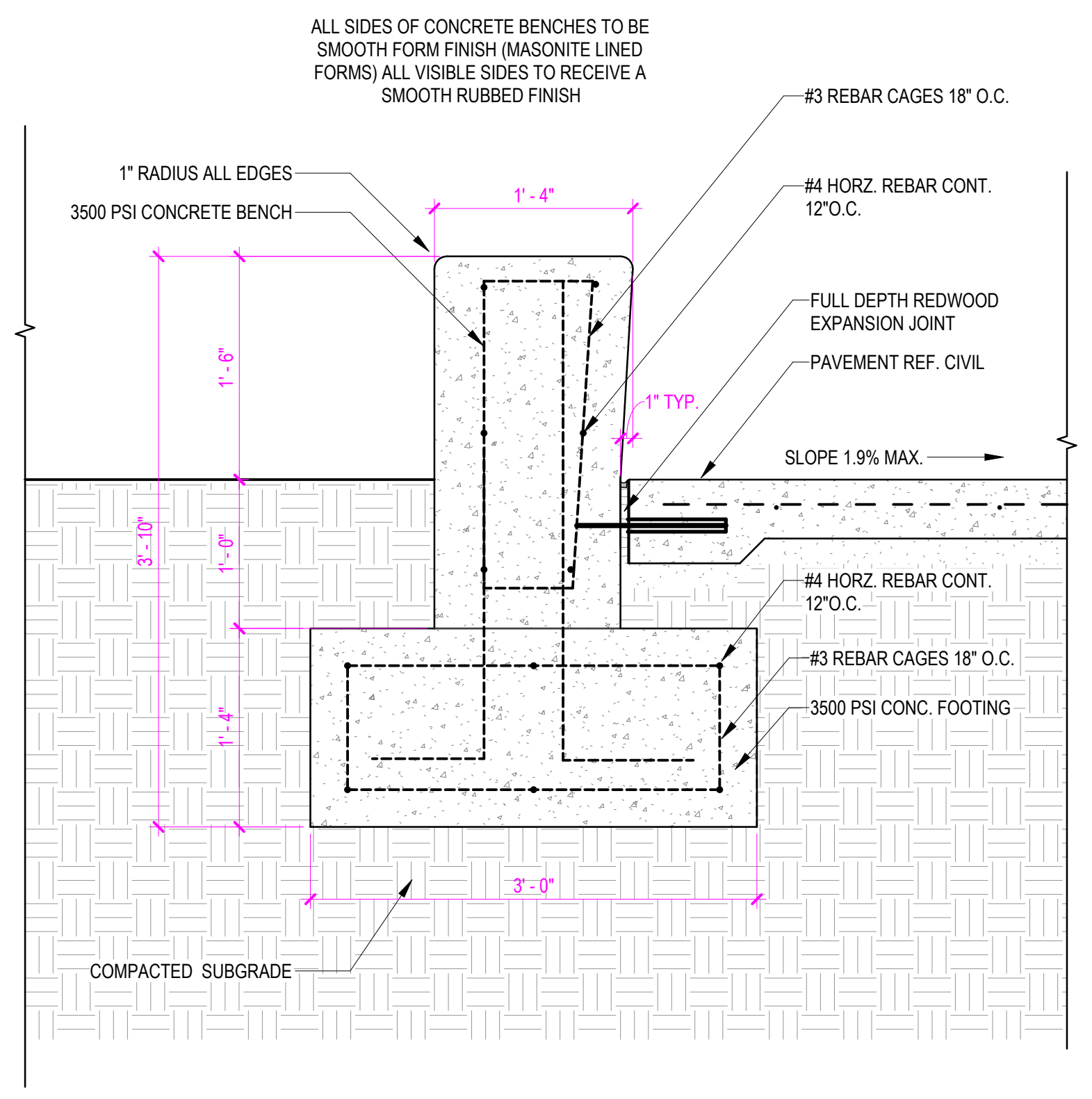

22' - 6"
CONTRACTOR NOTE MONUMENT IS DOUBLE SIDED - SIDE NOT SHOWN IS A MIRROR IMAGE OF WHAT IS SHOWN BELOW
FONT TO BE METRO NOVA BLACK
LA TO PROVIDE ART FILE
CONTRACTOR TO SUBMIT FINAL DESIGN FOR APPROVAL PRIOR TO FABRICATION
9' - 9"
2' - 6"
5"
2' - 6"
5"
2' - 6"
5"
2' - 6"
1' - 6"
6
L-200
PRECAST CONC. 2" HT. X 2'-0" WIDE X 30" LONG
1/4" THICK EXTRUDED ALUMINUM LETTERS PIN MOUNTED TO CMU
2"DEEP COLORED ANODIZED ALUMINUM PANELS - COLORS TBD
2"
1' - 0"
BR01
WEST MEMPHIS
RECREATION AND
AQUATICS CENTER
5' - 0"
5' - 2"
6'-8" TYP.
4000 PSI CONC. FOOTING
CONC. PIERS REF STRUCTURAL
COMPACTED SOIL REF GEOTECH

ENTRY MONUMENT ELEVATION 5
1/4" = 1'-0"

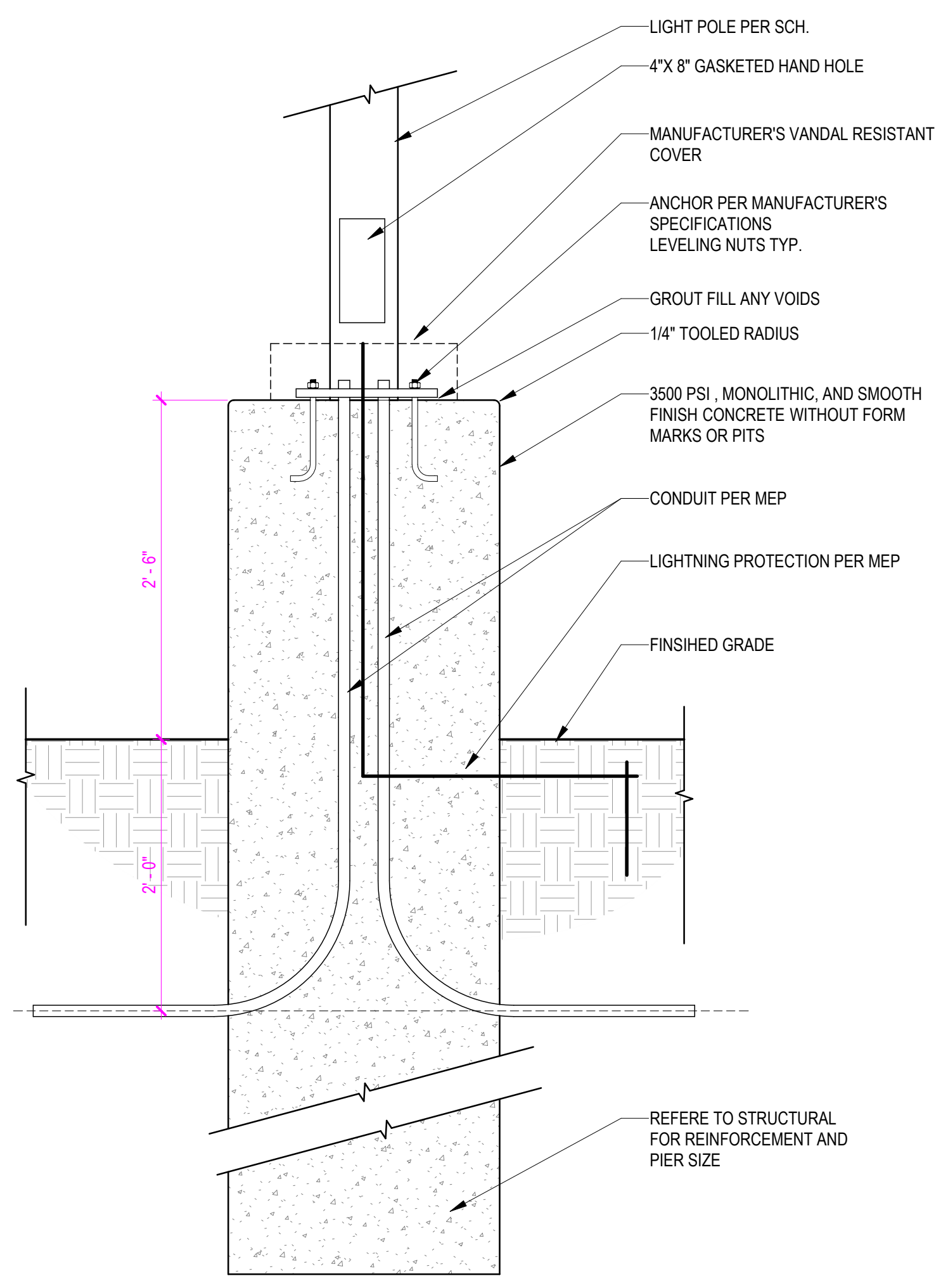

10' - 0"
CONCRETE BENCH WITH SMOOTH HAND RUBBED FINISH


FACE OF BUILDING
2'-0" TYP. REF PLANS
ADJACENT CONDITION REF PLANS
ENSURE POSITIVE DRAINAGE AWAY FROM BUILIDING TYP.
6" PERMASTRIP ALUMINUM EDGING
3/4" BLACK STAR AGGREGATE
6" MIN.
1/2"
FILTER FABRIC - MIRAFI 140N OR APPROVED EQUAL
UPTURN 2" AT ALL EDGESWITH CONSTRUCTION ADHESIVE

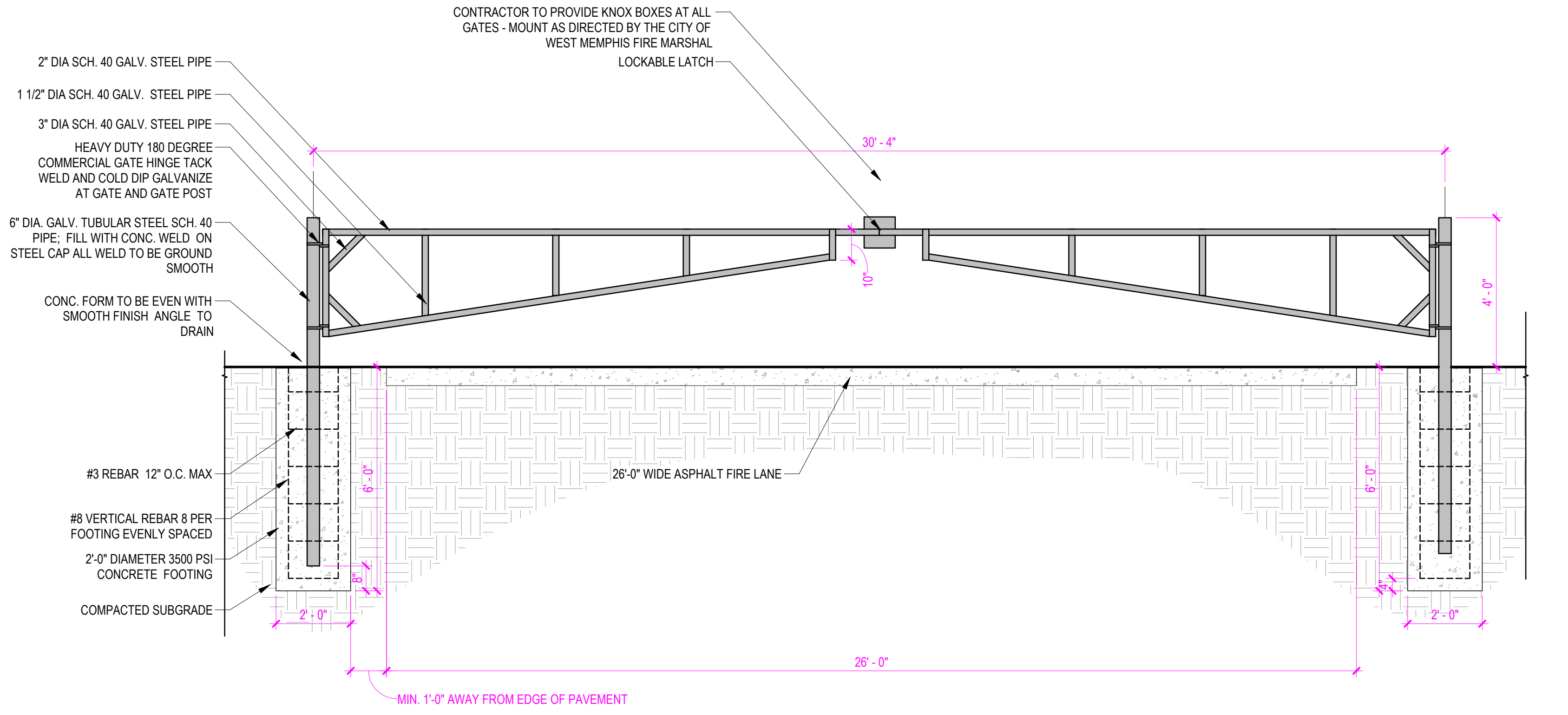
AGGREGATE SURROUND 4
1" = 1'-0"


ALL SIDES OF CONCRETE BENCHES TO BE SMOOTH FORM FINISH (MASONITE LINED FORMS) ALL VISIBLE SIDES TO RECEIVE A SMOOTH RUBBED FINISH
#3 REBAR CAGES 18" O.C.
1" RADIUS ALL EDGES
3500 PSI CONCRETE BENCH
1' - 4"
#4 HORZ. REBAR CONT. 12"O.C.
FULL DEPTH REDWOOD EXPANSION JOINT
PAVEMENT REF. CIVIL
1" TYP.
SLOPE 1.9% MAX.
1' - 6"
3' - 10"
1' - 0"
1' - 4"
#4 HORZ. REBAR CONT. 12"O.C.
#3 REBAR CAGES 18" O.C.
3500 PSI CONC. FOOTING
3' - 0"
COMPACTED SUBGRADE

CONC. MONOLITHIC BENCH 3
1" = 1'-0"


LIGHT POLE PER SCH.
4"X 8" GASKETED HAND HOLE
MANUFACTURER'S VANDAL RESISTANT COVER
ANCHOR PER MANUFACTURER'S SPECIFICATIONS LEVELING NUTS TYP.
GROUT FILL ANY VOIDS
1/4" TOOLED RADIUS
3500 PSI , MONOLITHIC, AND SMOOTH FINISH CONCRETE WITHOUT FORM MARKS OR PITS
CONDUIT PER MEP
LIGHTNING PROTECTION PER MEP
FINSIHED GRADE
2' - 6"
2' - 0"
REFERE TO STRUCTURAL FOR REINFORCEMENT AND PIER SIZE

CONC. POLE BASE DETAIL 2
1" = 1'-0"


CONTRACTOR TO PROVIDE KNOX BOXES AT ALL GATES - MOUNT AS DIRECTED BY THE CITY OF WEST MEMPHIS FIRE MARSHAL
LOCKABLE LATCH
2" DIA SCH. 40 GALV. STEEL PIPE
1 1/2" DIA SCH. 40 GALV. STEEL PIPE
3" DIA SCH. 40 GALV. STEEL PIPE
HEAVY DUTY 180 DEGREE COMMERCIAL GATE HINGE TACK WELD AND COLD DIP GALVANIZE AT GATE AND GATE POST
6" DIA. GALV. TUBULAR STEEL SCH. 40 PIPE; FILL WITH CONC. WELD ON STEEL CAP ALL WELD TO BE GROUND SMOOTH
CONC. FORM TO BE EVEN WITH SMOOTH FINISH ANGLE TO DRAIN
30' - 4"
10"
4' - 0"
#3 REBAR 12" O.C. MAX
#8 VERTICAL REBAR 8 PER FOOTING EVENLY SPACED
2'-0" DIAMETER 3500 PSI CONCRETE FOOTING
COMPACTED SUBGRADE
26'-0" WIDE ASPHALT FIRE LANE
6' - 0"
8"
2' - 0"
6' - 0"
4"
2' - 0"
26' - 0"
MIN. 1'-0" AWAY FROM EDGE OF PAVEMENT

GATE - VEHICULAR 1
3/8" = 1'-0"

GENERAL NOTES - LANDSCAPE CONSTRUCTION

GENERAL CONSTRUCTION

1. CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED PRIOR TO STARTING CONSTRUCTION. PERMITS SHALL BE ISSUED IN THE OWNER'S NAME.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES AND OTHER FACILITIES.
3. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF JOB, SHALL BE AS GOOD OR BETTER THAN CONDITION PRIOR TO STARTING WORK.
4. CONTRACTOR SHALL INSTALL ALL WORK IN ACCORDANCE WITH APPROPRIATE JURISDICTION. CONTACT LANDSCAPE ARCHITECT WITH ANY CLARIFICATIONS OR QUESTIONS DURING THE BID PERIOD.
5. CONTRACTOR SHALL COORDINATE WITH FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK.
6. LAYOUT AND STAKE ALL ELEMENTS FOR APPROVAL BY LANDSCAPE ARCHITECT. IF LANDSCAPE ARCHITECT IS NOT NOTIFIED BEFORE INSTALLATION OR DISCREPANCY IS FOUND IN FIELD THAT NEEDS TO BE RESOLVED ADJUSTMENTS WILL BE AT THE CONTRACTOR'S EXPENSE.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL EXISTING GRADES DAMAGED DURING CONSTRUCTION.
8. DIMENSIONS ARE TO R.O.W., BACK OF CURB, ADJACENT LOT LINE, EDGE OF PAVEMENT, CENTER LINE OF WALK, OR CENTER LINE OF DRILLED PIER.
9. CONTRACTOR SHALL EXERCISE DUE CARE IN MAINTAINING THE INTEGRITY AND POSITION OF ALL LOT/PROPERTY PINS/STAKES AS WELL AS UTILITY COMPANY STAKING PRESENT WITHIN THE LIMITS OF WORK AS DESIGNATED BY THESE CONTRACT DOCUMENTS. ALL PINS/STAKES THAT ARE NOT PRESENT AT THE END OF CONSTRUCTION SHALL BE REPLACED AND RE-ESTABLISHED AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL SUPPLY STRUCTURAL SHOP DRAWINGS FOR ALL COLUMNS, WALLS, MASONRY FENCES AND OTHER STRUCTURES WHICH REQUIRE FOOTINGS AND OR PIERS UNLESS NOTED OTHERWISE. DRAWINGS MUST BE SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER.
11. WORK TO BE PERFORMED FROM HOURS OF 7:00 AM TO 7:00 PM MONDAY THROUGH SATURDAY ONLY.
12. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TREES AND PROTECT TREES FROM CONSTRUCTION DAMAGE.
13. CONTRACTOR SHALL NOT DISTURB EXISTING DRAINAGE PATTERNS WITHIN THE SCOPE OF WORK THAT EFFECTS ADJACENT LOTS. IF AREA CAN BE RE-SHAPED AND GRADED TO DRAIN MORE EFFECTIVELY AND NOT DISTURB ADJACENT LOTS CONTRACTOR SHALL DISCUSS WITH LANDSCAPE ARCHITECT BEFORE WORK IS PERFORMED.
14. CONTRACTOR SHALL INCLUDE IN BID COST TO REPAIR ANY DAMAGES DONE TO EXISTING IRRIGATION SYSTEM, WALKS, CURBS, ETC. (ANY DAMAGE DONE TO EXISTING CONDITIONS DAMAGED DURING CONSTRUCTION WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AT NO ADDITIONAL COST TO THE PROJECT.)
15. CONTRACTOR SHALL CLEAN UP TRASH AND DEBRIS ON THE PROJECT SITE AS NEEDED TO KEEP IT CLEAN AND PRESENTABLE COMMENCING THE DAY THE CONTRACTOR MOBILIZES AND ENDING WHEN THE PROJECT IS COMPLETED.
16. CONTRACTOR SHALL CLEAN ALL DEBRIS FROM SITE DAILY AND DISPOSE OF FENCING MATERIAL PROPERLY.
17. CONTRACTOR TO VISIT THE PROJECT SITE PRIOR TO PLACING THE BID TO DETERMINE WHAT DIRT WORK NEEDS WILL BE AND TO INCLUDE THAT IN HIS BASE BID.
18. CONTRACTOR SHALL NOT BILL FOR STORED MATERIALS OR ITEMS THAT HAVE NOT BEEN INSTALLED.
19. CONTRACTOR IS RESPONSIBLE TO CHECK PINS COMPARED TO THE PLAT IF DISCREPANCY ARISES IN THE FIELD CONTACT LANDSCAPE ARCHITECT.
20. SITE PLAN LAYOUTS SHOWN AND DIMENSIONS ARE APPROXIMATE. FIELD VERIFY AND FLAG ITEM LOCATIONS FOR REVIEW BY LANDSCAPE ARCHITECT BEFORE INSTALLATION. NOTIFY LANDSCAPE ARCHITECT IF LOT PINS CAN NOT BE LOCATED.

SEAL

THIS DOCUMENT IS RELEASED
FOR THE PURPOSE OF
PRELIMINARY SUBMITTAL
ALEC A. LUONG
LICENSE #912494

IT IS NOT TO BE USED FOR
CONSTRUCTION PURPOSES

CLIENT

City of West Memphis
205 Redding St. West
Memphis, AK 72301

DRAWING ISSUE

№	DATE	DESCRIPTION
	2026-01-12	ISSUE FOD DESIGN DEVELOPMENT
	2026-03-06	ISSUE FOR SITE PERMIT
	2026-03-16	75% CONSTRUCTION DOCUMENT PROGRESS

ARCHITECT

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CONSULTANT

JOB INFO

CITY OF WEST MEMPHIS
RECREATION CENTER
ST HWY 191/I-40 SERV
West Memphis, AR 72301

JOB No.: WESCIT00561

SHEET TITLE

LANDSCAPE
DETAILS AND
NOTES

SHEET NUMBER

L-200

FILE PATH: Autodesk Docs://City of West Memphis Recreation Center/WMR_BLDG A_RAC_ARCH.rvt
DATE PRINTED: 4/20/2026 9:04:33 AM

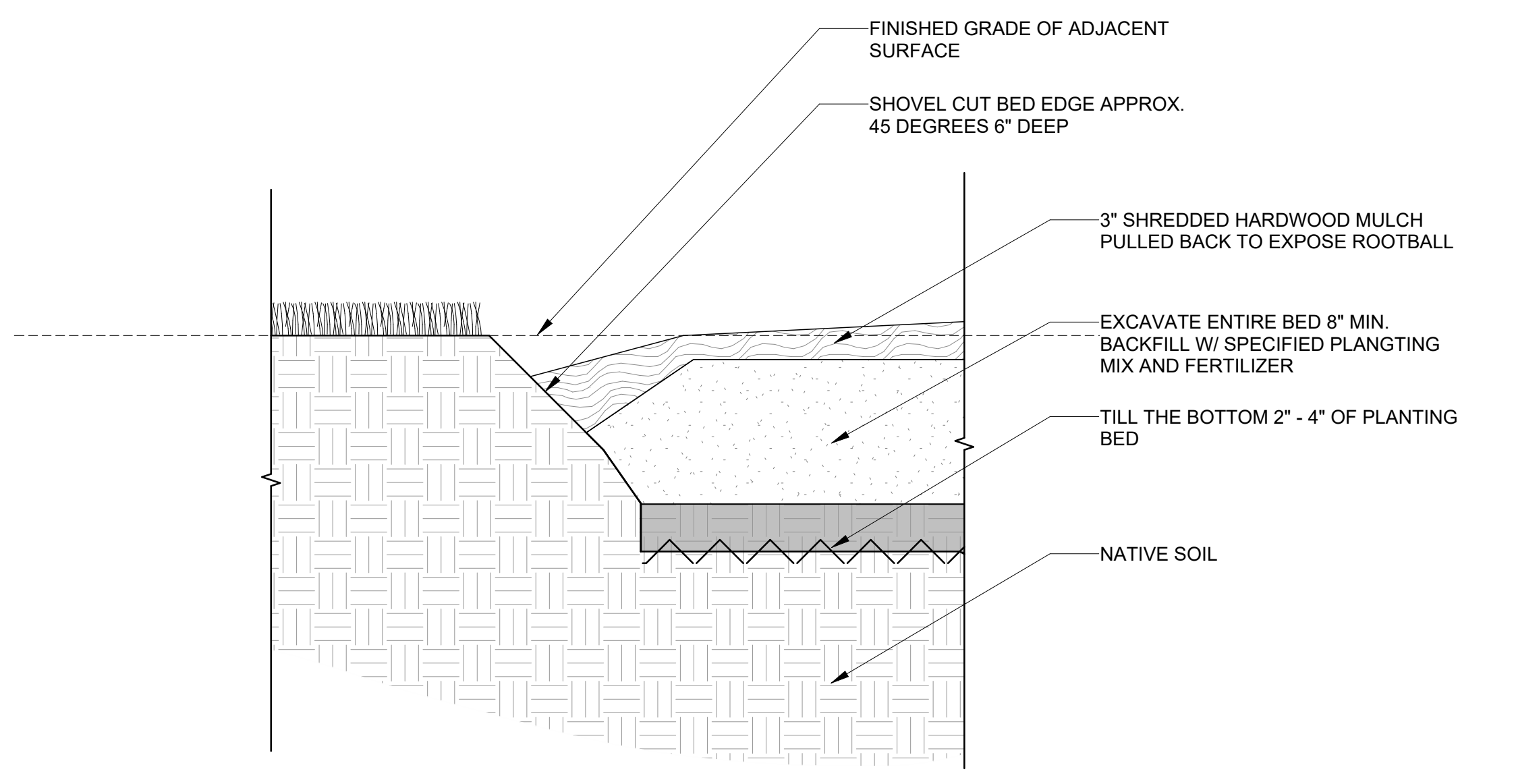
A.M.D.G.

PLANT SCHEDULE

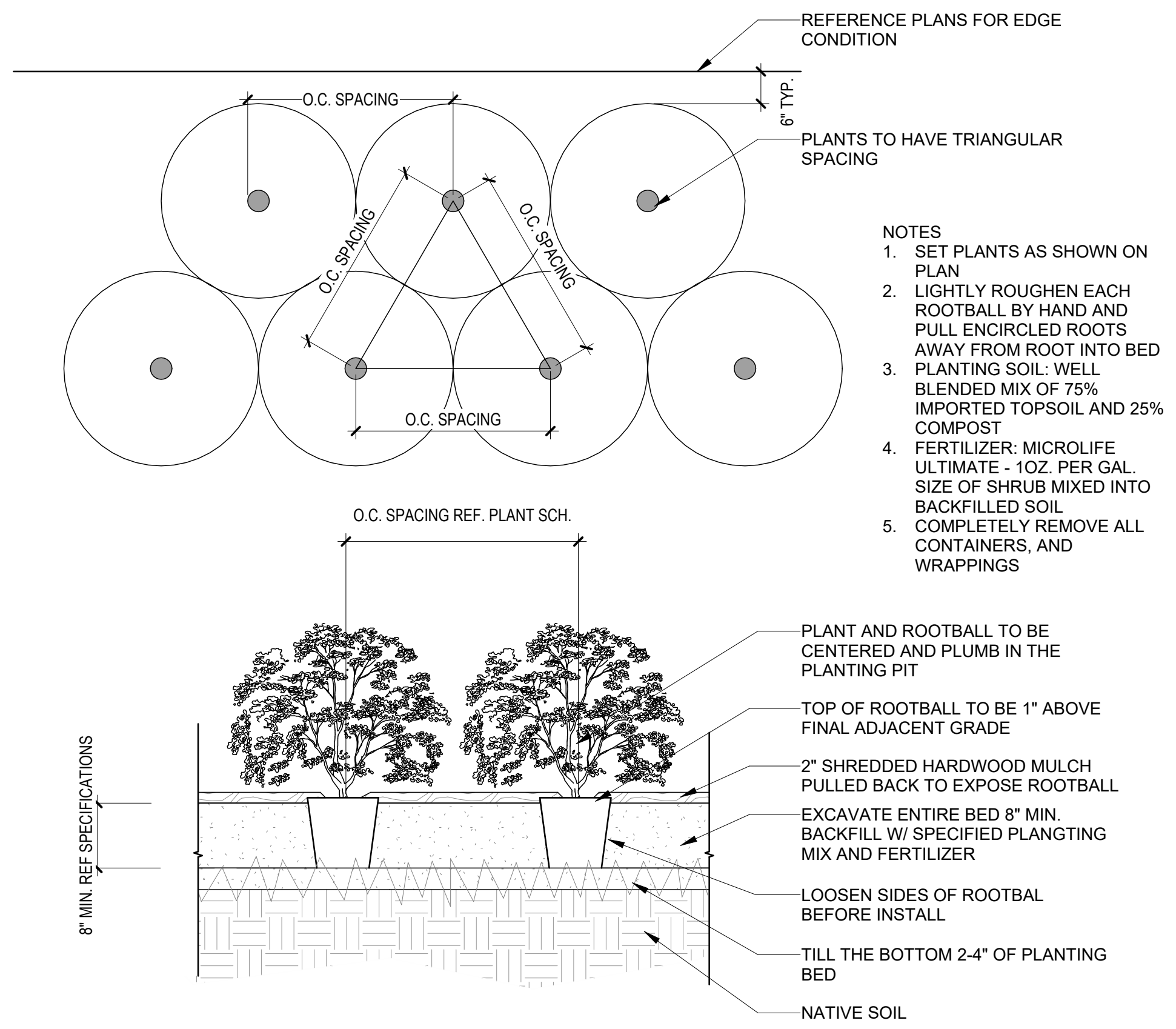
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER		QTY	REMARKS
TREES							
	AR2	Acer rubrum / Red Maple	45 gal.	8'-10'		13	SINGLE, STRAIGHT TRUNK; SINGLE LEADER, FULL BRANCHING; FULL AND GREEN CANOPY
	LN	Lagerstroemia indica x fauriei 'Natchez' / Natchez Crape Myrtle	65 gal.	12' - 14'		10	SINGLE, STRAIGHT TRUNK; FULL BRANCHING; FULL AND GREEN CANOPY; SPECIMEN AND MATCHING
	PO	Platanus occidentalis / American Sycamore	65 gal.	10' - 12'		12	SINGLE, STRAIGHT TRUNK; SINGLE LEADER, FULL BRANCHING; FULL AND GREEN CANOPY
	QT	Quercus Texana / Nuttal Oak	65 gal.	10' - 12'		8	SINGLE, STRAIGHT TRUNK; SINGLE LEADER, FULL BRANCHING; FULL AND GREEN CANOPY
	TM	Taxodium mucronatum / Montezuma Bald Cypress	65 gal.	8'-10'		2	SPECIMEN; SINGLE, STRAIGHT TRUNK; SINGLE LEADER, FULL BRANCHING; FULL AND GREEN CANOPY
	UP	Ulmus parvifolia 'Allee' / Allee® Lacebark Elm	65 gal.	8'-10'		7	SPECIMEN; SINGLE, STRAIGHT TRUNK; SINGLE LEADER, FULL BRANCHING; FULL AND GREEN CANOPY
SHRUBS							
	IV	Ilex vomitoria 'Nana' / Dwarf Yaupon Holly	3 gal.	30"		173	FULL POT; WELL ROOTED; DARK GREEN FOLIAGE
	LS2	Ligustrum sinense 'Sunshine' / Sunshine Privet	3 gal.	24"		52	FULL POT; WELL ROOTED; GREEN FOLIAGE AND MAGENTA FLOWERS
	LIR MUS	Liriope muscari / Lilyturf	3 gal.	12", 18" O.C.		170	FULL POT; WELL ROOTED; GREEN FOLIAGE AND MAGENTA FLOWERS
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	QTY	REMARKS
GROUND COVERS							
▨	CD2	Cynodon dactylon / Bermudagrass - Celebration	sod			76,583 sf	CONTRACTOR TO FIELD VERIFY THE QUANTITY OF ALL TURF REQUIRED. PROVIDE 1 STRIP AT THE EDGE OF ALL PROPOSED CONCRETE TYP. AND AS NOTED

GENERAL NOTES - PLANTING

1. PERMITS: THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL REQUIRED PERMITS PRIOR TO COMMENCING WORK.
2. UTILITIES: THE CONTRACTOR SHALL LOCATE ALL UTILITIES ONSITE PRIOR TO COMMENCING ANY WORK. ANY DAMAGE DONE TO UTILITIES NEW OR EXISTING SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. THE CONTRACTOR IS TO COORDINATE WITH ALL APPLICABLE UTILITY COMPANIES AS REQUIRED DURING INSTALLATION.
3. GRADES: THE CONTRACTOR SHALL RECEIVE THE SITE AT THE APPROXIMATE ROUGH GRADE. THE CONTRACTOR SHALL GRADE THE SITE TO ACHIEVE SMOOTH AND UNIFORM SLOPES WITH A MAXIMUM SLOPE OF 3:1 UNLESS OTHERWISE NOTED. THE CONTRACTOR IS TO FINE GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL PROPERTY LINES, STRUCTURES AND AND EASEMENTS TOWARD STORM SEWER INLETS. THE CONTRACTOR IS TO PREVENT STANDING WATER ONSITE. THE CONTRACTOR SHALL RECEIVE APPROVAL BY THE LANDSCAPE ARCHITECT OF ALL BERM LOCATIONS AND HEIGHTS IN THE FIELD.
4. THE SITE SHALL BE GRADED TO FINISH GRADE PRIOR TO SCHEDULING PLANTING INSTALLATION.
5. COORDINATION OF TRADES: THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE WORK OF ALL OTHER CONTRACTORS ON THE SITE.
6. SURFACE PREPARATION: THE CONTRACTOR SHALL REMOVE AND REMAINING DEBRIS 1" OR LARGER AND ANY SUBSOIL THAT IS CONTAMINATED BY FUELS, LIME OR OTHER CHEMICALS NOXIOUS TO PLANT GROWTH. SCARIFY THE SUBSURFACE TO 2 " DEPTH OR AS NOTED BEFORE PLACING TOPSOIL OR BEDDING SOIL.
7. INSPECTIONS: THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
8. PLANT LOCATIONS: THE CONTRACTOR SHALL STAKE THE LOCATION OF ALL TREES AS WELL AS PLANTING BED EDGES FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ALL PLANTING INSTALLATION LOCATIONS NOT APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT AND DEEMED UNACCEPTABLE BY THE OWNER OR LANDSCAPE ARCHITECT SHALL BE REMOVED AND REPLANTED AT NO EXPENSE TO THE OWNER.
9. PLANTING BEDS: ALL PLANTING BEDS TO HAVE SMOOTH EDGES AS SHOWN ON THE DRAWINGS LOCATE AS DIMENSIONED ON PLANS. CONTRACTOR TO REFERENCE SPECIFICATIONS AND DETAILS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION INCLUDING PLANTING PIT DIMENSIONS AND BACKFILL REQUIREMENTS SHRUB. MASS PLANTINGS TO BE TRIANGULARLY SPACED. BACKFILL ALL SHRUB PITS WITH SPECIFIED PLANTING MIX AND SCARIFY AS NOTED 2 " DEPTH MINIMUM. INCORPORATE FERTILIZER PER SOIL PREPARATION SPECIFICATIONS INTO ALL PLANTING BEDS AND BED SHALL RECEIVE HARDWOOD BARK MULCH AS DETAILED. ALL PLANTING AREAS BORDERING LAWN SHALL HAVE A CUT BED EDGE UNLESS OTHERWISE NOTED.
10. MACHINE MOVED TREES: ALL MACHINE MOVED TREES ARE TO BE MOVED DIRECTLY FROM GROWERS AND SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO RELOCATION. TREES TO HAVE FULL HEAD, SYMMETRICAL BRANCHING, DARK GREEN AND HEALTHY FOLIAGE. TREE SHALL BE PRUNED TO BRANCH AT EYE LEVEL. TREES SHALL BE MATCHING WITHIN SPECIES AND SHALL HAVE NO INDICATION OF WOODPECKER HOLE OR INSECT DISEASE OR BORES. COORDINATE TREE PRUNING TO BALANCE ROOT LOSS. TREES TO BE MECHANICALLY TRANSPLANTED USING TREE SPADE ALLOWING 9-INCH ROOT BALL PER CALIPER INCH OF TREE. SET TREE STRAIGHT AND PLUM AND FILL IN ANY AIRSPACES AROUND THE TREE WITH SPECIFIED SAND OR SANDY SOIL LOAM TOPSOIL. WATER IN TO DISPLACE ANY AIR POCKETS AND WATER THIS BAITED TREE THROUGHOUT THE DAY OF TRANSPLANTING.
11. TREE TOLERANCES: TREES SHALL BE LOCATED A MINIMUM OF FIVE FEET FROM ALL STRUCTURES, OVERHANGS, WALKS EDGES, CURBS, AND OTHER TREES WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN THE SIZE OF AREAS, THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE LANDSCAPE ARCHITECT MAY RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE MATERIALS.
12. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE OF SPECIMEN QUALITY WITH FULL POTS AND HEADS, SYMMETRICAL FOLIAGE, AND BRANCHING STRUCTURES. SHRUBS AND GROUND COVER SHALL BE FULL TO THE GROUND. THE CONTRACTOR SHALL PROVIDE PHOTOGRAPHS WITH SCALE FIGURES FOR ALL PLANT MATERIAL FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND DELIVERY TO THE SITE. THE CONTRACTOR IS TO COORDINATE WITH LOCAL NURSERIES FOR TAGGING OF ALL TREES AND PLANT MATERIAL AS SOON AS POSSIBLE TO ENSURE AVAILABILITY AT TIME OF CONSTRUCTION. PLANT MATERIAL OF THE SAME SPECIES SHALL BE OBTAINED FROM THE SAME SOURCE AS WELL AS MATCHED IN CHARACTER AND SIZE AS NOTED.
13. PLANT QUANTITIES: THE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES AND REPORT ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
14. LAWN INSTALLATION: THE CONTRACTOR SHALL APPLY CONTACT HERBICIDE PRIOR TO APPLICATION OF HYDROMULCH TO REMOVE ALL EXISTING WEEDS. THE CONTRACTOR SHALL SCARIFY THE EXISTING SOIL TO SPECIFIED DEPTHS, REMOVE ALL LUMPS, CLODS, TRASH, AND STICKS GREATER THAN ONE INCH AND FINE GRADE TO PROVIDE POSITIVE DRAINAGE AND SMOOTH LAWN AREAS. THE CONTRACTOR SHALL CUT SWALES AS NECESSARY TO ENSURE NO PONDING OF WATER. THE FINISHED GRADES OF LAWN AND PLANTING BED AREAS IS TO BE A MINIMUM OF AN INCH BELOW FINISH GRADE OF ADJACENT PAVEMENT.
15. STRIP SOD: THE CONTRACTOR SHALL LAY STRIP SOD; BERMUDA ALONG BACK OF ALL CURBS AND WALK AS NOTED WITHIN APPROXIMATE LIMITS SHOWN ON PLANS.
16. DAMAGE TO EXISTING TURF: THE CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING TURF DAMAGED BECAUSE OF THE NEW CONSTRUCTION WITH SOLID SOD.
17. IRRIGATION COORDINATION: THE CONTRACTOR SHALL INSTALL AND/OR VERIFY THAT THE IRRIGATION SYSTEM IS OPERATIONAL PRIOR TO BRINGING PLANTS ONSITE AND BEGINNING PLANTING. THE CONTRACTOR SHALL HAVE THE CAPABILITY OF WATERING ALL PLANTS PRIOR TO INSTALLATION.
18. PINS: THE CONTRACTOR SHALL EXERCISE DUE CARE IN MAINTAINING THE INTEGRITY AND POSITION OF ALL LOT PROPERTY PINS STAKES AS WELL AS UTILITY COMPANY STAKING PRESENT WITHIN THE LIMITS OF WORK. ALL STAKES THAT ARE NOT PRESENT AT THE FIELD AT THE END OF CONSTRUCTION MAY BE REPLACED AND REESTABLISHED AT THE CONTRACTOR 'S EXPENSE.
19. HERBICIDE: THE CONTRACTOR SHALL APPLY PRE-EMERGENT HERBICIDE FOR THE PREVENTION OF NUT GRASS AND WEEDS UPON ESTABLISHMENT OF THE BERMUDA LAWN, APPROXIMATELY 1 MONTH AFTER HYDROMULCH APPLICATION. FERTILIZE AT SPECIFIED RATES MONTHLY DURING THE MAINTENANCE PERIOD.
20. OVERSEEDING: THE CONTRACTOR SHALL INCLUDE OVERSEEDING OF ALL TURF AREAS; HYDROMULCH AND SOD IN THE BASE BID AND OVERSEED ALL HYDROMULCH AND SOD AREAS.
21. FOR CONTRACT WARRANTY PERIODS DURING OCTOBER 2ND THROUGH APRIL 14TH OVERSEEDING SHALL BE WINTER RYE.
22. FOR CONTRACT WARRANTY PERIODS DURING APRIL 15TH TO OCTOBER 1ST OVERSEEDING SHALL BE BERMUDA GRASS.
23. AT THE END OF EACH SEASON ALL TURF AREAS THAT ARE THICK AND WELL ESTABLISHED SHALL BE MOWED LOW TO ALLOW THE SEED TO REACH THE SOIL LAYER. CONTRACTOR SHALL APPLY FERTILIZERS AS NECESSARY FOR THE ESTABLISHMENT OF THE RYE OR BERMUDA GRASS, WHICHEVER APPLIES TO THE CONTRACT.
24. CONTRACTOR SHALL PROVIDE A 1 YEAR WARRANTY PERIOD FOR ALL PLANT MATERIAL AND A 2 YEAR WARRANTY PERIOD FOR ALL TREES.
25. CONTRACTOR SHALL SUBMIT IRRIGATION PLANS SIGNED AND SEALED BY A LICENSED IRRIGATOR FOR LA TO APPROVE PRIOR TO CONSTRUCTION. THE IRRIGATION SYSTEMS SHALL BE COMMERCIAL GRADE USING EITHER HUNTER OR RAINBIRD AS CHOSEN BY THE OWNER.

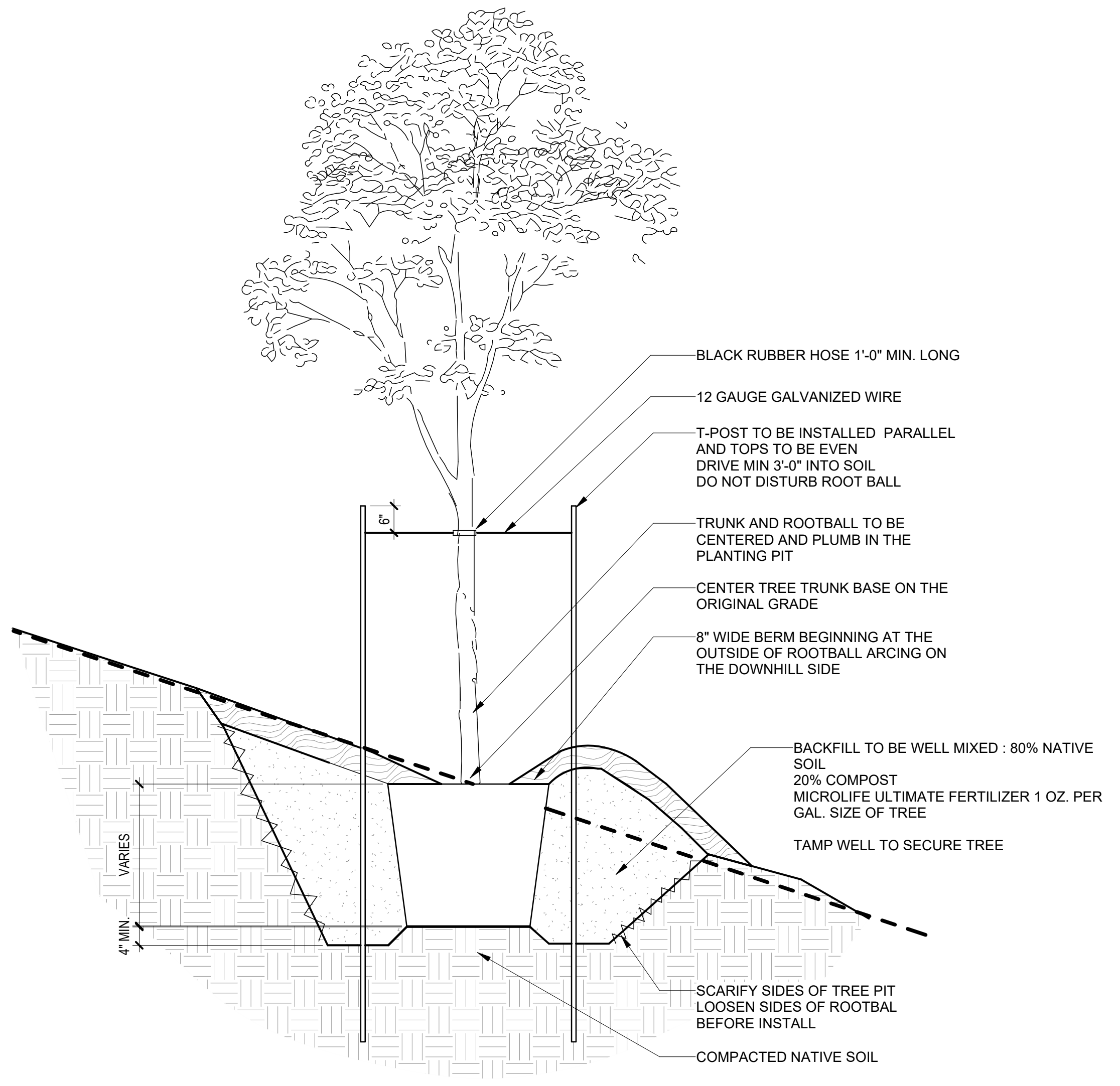

FINISHED GRADE OF ADJACENT SURFACE
SHOVEL CUT BED EDGE APPROX. 45 DEGREES 6" DEEP
3" SHREDDED HARDWOOD MULCH PULLED BACK TO EXPOSE ROOTBALL
EXCAVATE ENTIRE BED 8" MIN. BACKFILL W/ SPECIFIED PLANGTING MIX AND FERTILIZER
TILL THE BOTTOM 2" - 4" OF PLANTING BED
NATIVE SOIL

PLANTING CUT BED EDGE 6
1" = 1'-0"

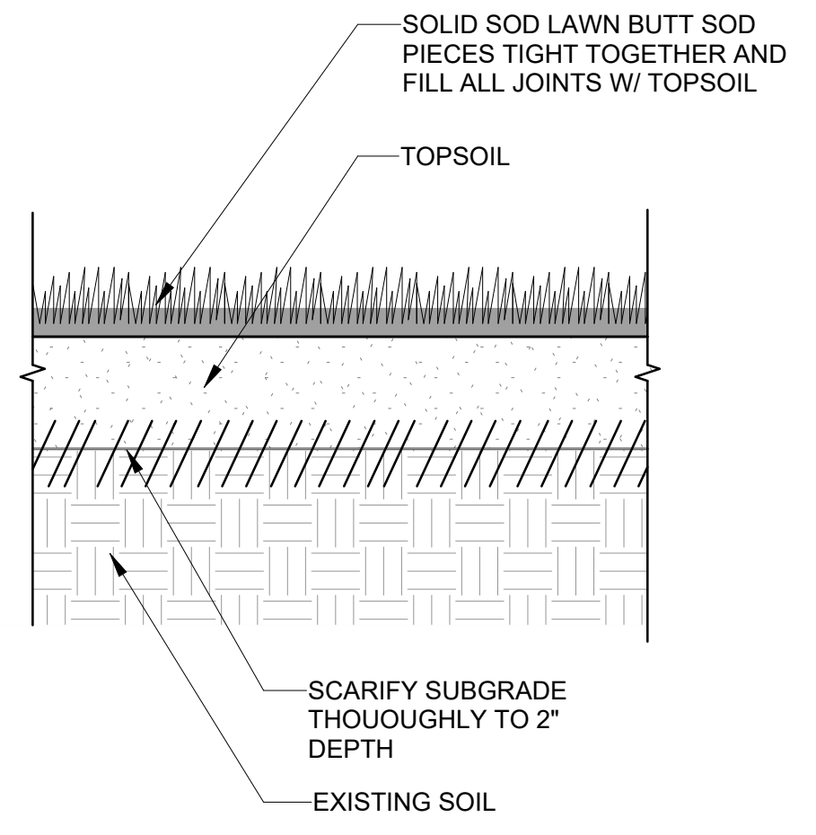

REFERENCE PLANS FOR EDGE CONDITION
6" TYP.
O.C. SPACING
O.C. SPACING
O.C. SPACING
O.C. SPACING
PLANTS TO HAVE TRIANGULAR SPACING
O.C. SPACING REF. PLANT SCH.
8" MIN. REF SPECIFICATIONS
PLANT AND ROOTBALL TO BE CENTERED AND PLUMB IN THE PLANTING PIT
TOP OF ROOTBALL TO BE 1" ABOVE FINAL ADJACENT GRADE
2" SHREDDED HARDWOOD MULCH PULLED BACK TO EXPOSE ROOTBALL
EXCAVATE ENTIRE BED 8" MIN. BACKFILL W/ SPECIFIED PLANGTING MIX AND FERTILIZER
LOOSEN SIDES OF ROOTBAL BEFORE INSTALL
TILL THE BOTTOM 2-4" OF PLANTING BED
NATIVE SOIL

NOTES
1. SET PLANTS AS SHOWN ON PLAN
2. LIGHTLY ROUGHEN EACH ROOTBALL BY HAND AND PULL ENCIRCLED ROOTS AWAY FROM ROOT INTO BED
3. PLANTING SOIL: WELL BLENDED MIX OF 75% IMPORTED TOPSOIL AND 25% COMPOST
4. FERTILIZER: MICROLIFE ULTIMATE - 1OZ. PER GAL. SIZE OF SHRUB MIXED INTO BACKFILLED SOIL
5. COMPLETELY REMOVE ALL CONTAINERS, AND WRAPPINGS

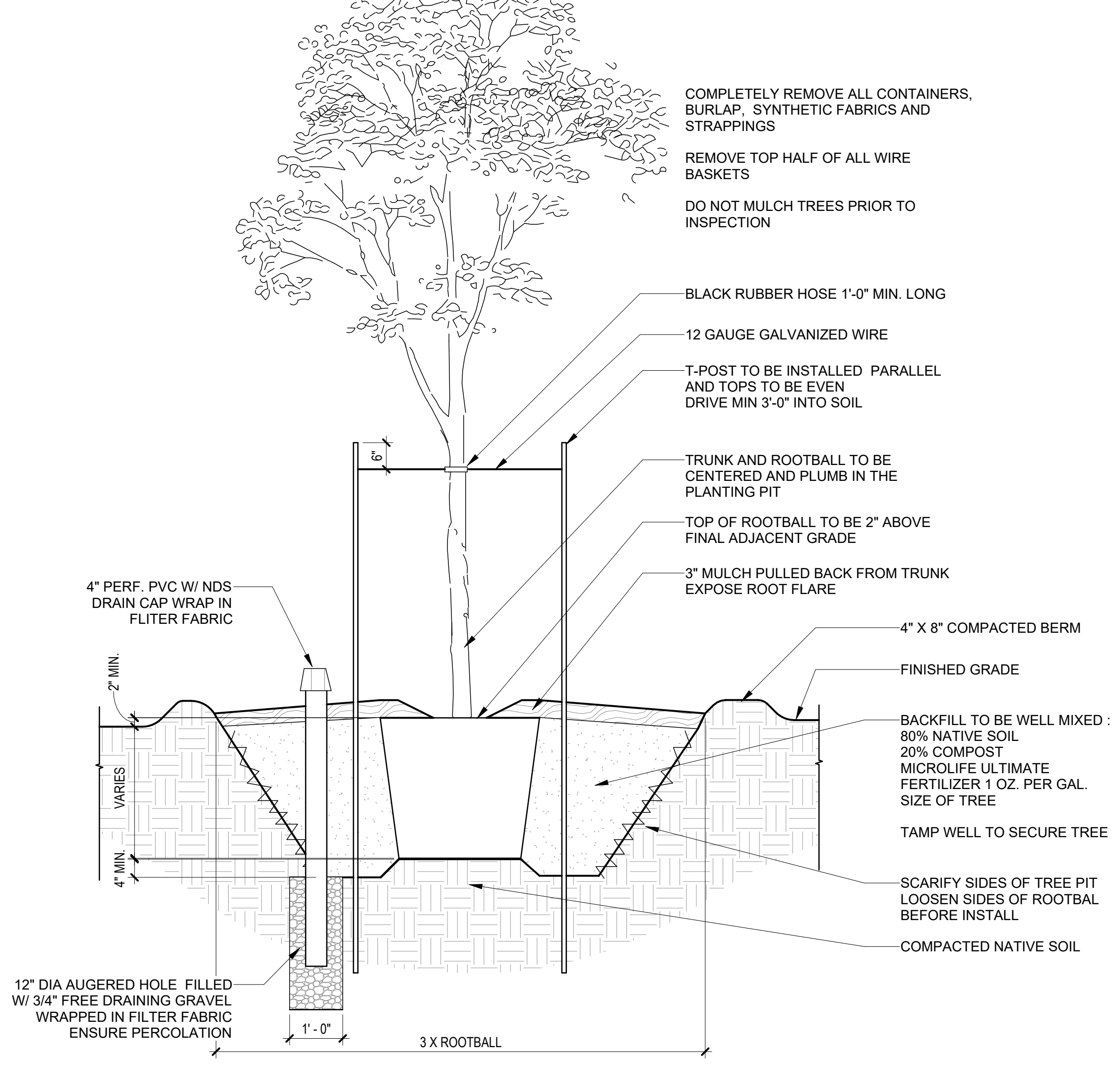
PLANTING SHRUB TYPICAL 5
1/2" = 1'-0"


BLACK RUBBER HOSE 1'-0" MIN. LONG
12 GAUGE GALVANIZED WIRE
T-POST TO BE INSTALLED PARALLEL AND TOPS TO BE EVEN DRIVE MIN 3'-0" INTO SOIL DO NOT DISTURB ROOT BALL
6"
TRUNK AND ROOTBALL TO BE CENTERED AND PLUMB IN THE PLANTING PIT
CENTER TREE TRUNK BASE ON THE ORIGINAL GRADE
8" WIDE BERM BEGINNING AT THE OUTSIDE OF ROOTBALL ARCING ON THE DOWNHILL SIDE
BACKFILL TO BE WELL MIXED : 80% NATIVE SOIL 20% COMPOST MICROLIFE ULTIMATE FERTILIZER 1 OZ. PER GAL. SIZE OF TREE
TAMP WELL TO SECURE TREE
VARIES
4" MIN.
SCARIFY SIDES OF TREE PIT LOOSEN SIDES OF ROOTBAL BEFORE INSTALL
COMPACTED NATIVE SOIL

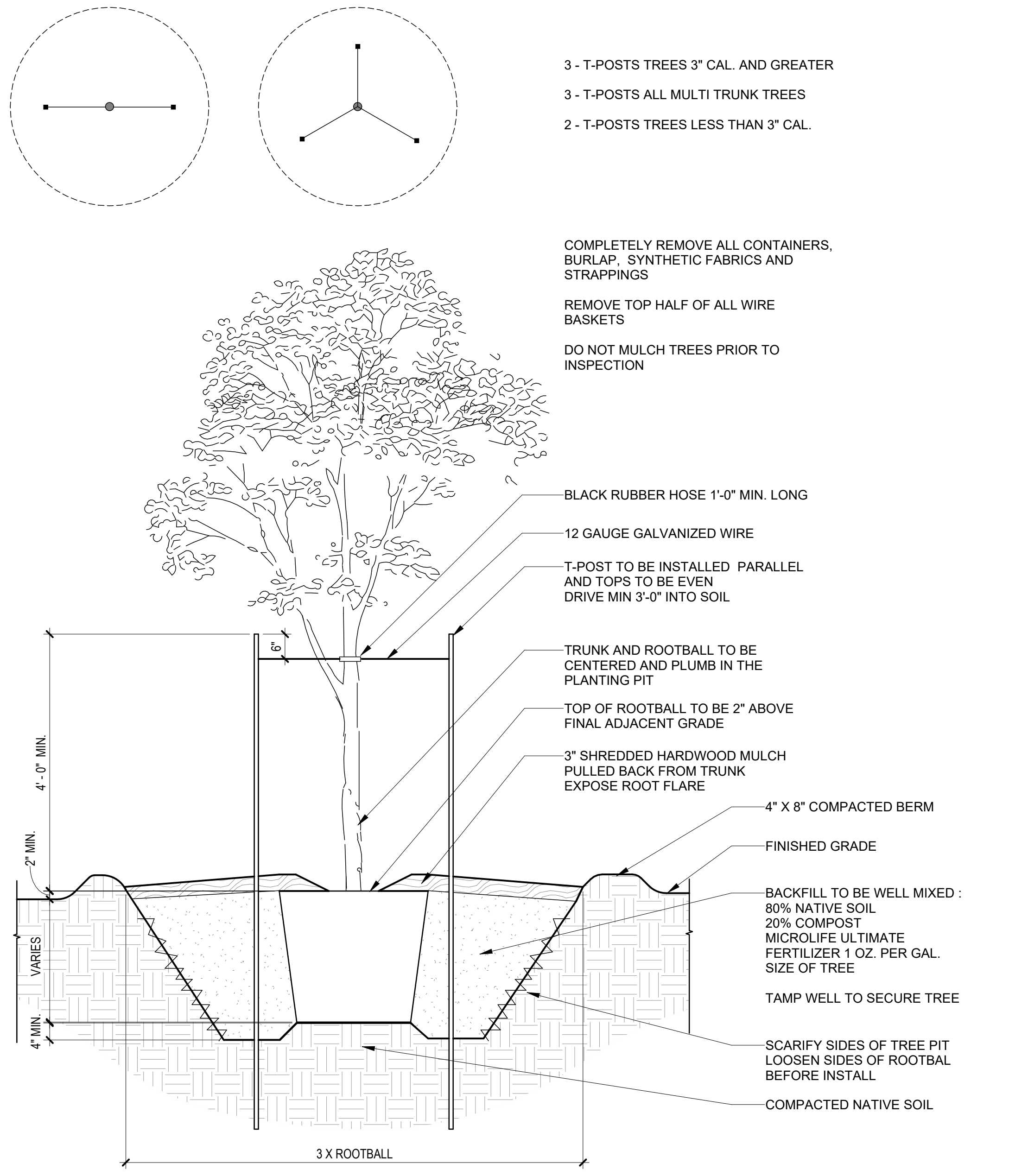
PLANTING TREE SLOPE 4
1/2" = 1'-0"


SOLID SOD LAWN BUTT SOD PIECES TIGHT TOGETHER AND FILL ALL JOINTS W/ TOPSOIL
TOPSOIL
SCARIFY SUBGRADE THOUOUGHLY TO 2" DEPTH
EXISTING SOIL

PLANTING - SOD 3
1" = 1'-0"


COMPLETELY REMOVE ALL CONTAINERS, BURLAP, SYNTHETIC FABRICS AND STRAPPINGS
REMOVE TOP HALF OF ALL WIRE BASKETS
DO NOT MULCH TREES PRIOR TO INSPECTION
BLACK RUBBER HOSE 1'-0" MIN. LONG
12 GAUGE GALVANIZED WIRE
T-POST TO BE INSTALLED PARALLEL AND TOPS TO BE EVEN DRIVE MIN 3'-0" INTO SOIL
6"
TRUNK AND ROOTBALL TO BE CENTERED AND PLUMB IN THE PLANTING PIT
TOP OF ROOTBALL TO BE 2" ABOVE FINAL ADJACENT GRADE
3" MULCH PULLED BACK FROM TRUNK EXPOSE ROOT FLARE
4" PERF. PVC W/ NDS DRAIN CAP WRAP IN FLITER FABRIC
4" X 8" COMPACTED BERM
FINISHED GRADE
2" MIN.
VARIES
4" MIN.
BACKFILL TO BE WELL MIXED : 80% NATIVE SOIL 20% COMPOST MICROLIFE ULTIMATE FERTILIZER 1 OZ. PER GAL. SIZE OF TREE
TAMP WELL TO SECURE TREE
SCARIFY SIDES OF TREE PIT LOOSEN SIDES OF ROOTBAL BEFORE INSTALL
COMPACTED NATIVE SOIL
12" DIA AUGERED HOLE FILLED W/ 3/4" FREE DRAINING GRAVEL WRAPPED IN FILTER FABRIC ENSURE PERCOLATION
1' - 0"
3 X ROOTBALL

PLANTING TREE POOR DRAINAGE 2
1/2" = 1'-0"


3 - T-POSTS TREES 3" CAL. AND GREATER
3 - T-POSTS ALL MULTI TRUNK TREES
2 - T-POSTS TREES LESS THAN 3" CAL.
COMPLETELY REMOVE ALL CONTAINERS, BURLAP, SYNTHETIC FABRICS AND STRAPPINGS
REMOVE TOP HALF OF ALL WIRE BASKETS
DO NOT MULCH TREES PRIOR TO INSPECTION
BLACK RUBBER HOSE 1'-0" MIN. LONG
12 GAUGE GALVANIZED WIRE
T-POST TO BE INSTALLED PARALLEL AND TOPS TO BE EVEN DRIVE MIN 3'-0" INTO SOIL
6"
4' - 0" MIN.
TRUNK AND ROOTBALL TO BE CENTERED AND PLUMB IN THE PLANTING PIT
TOP OF ROOTBALL TO BE 2" ABOVE FINAL ADJACENT GRADE
3" SHREDDED HARDWOOD MULCH PULLED BACK FROM TRUNK EXPOSE ROOT FLARE
4" X 8" COMPACTED BERM
FINISHED GRADE
2" MIN.
VARIES
4" MIN.
BACKFILL TO BE WELL MIXED : 80% NATIVE SOIL 20% COMPOST MICROLIFE ULTIMATE FERTILIZER 1 OZ. PER GAL. SIZE OF TREE
TAMP WELL TO SECURE TREE
SCARIFY SIDES OF TREE PIT LOOSEN SIDES OF ROOTBAL BEFORE INSTALL
COMPACTED NATIVE SOIL
3 X ROOTBALL

PLANTING TREE TYPICAL AND STAKING 1
1/2" = 1'-0"

SEAL

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CLIENT

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DRAWING ISSUE

№.	DATE	DESCRIPTION
	2026-01-12	ISSUE FOD DESIGN DEVELOPMENT
	2026-03-06	ISSUE FOR SITE PERMIT
	2026-03-16	75% CONSTRUCTION DOCUMENT PROGRESS

ARCHITECT

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JOB No.: WESCIT00561

SHEET TITLE

LANDSCAPE
PLANTING DETAILS
AND NOTES

SHEET NUMBER

L-400