

STORMWATER STRUCTURE TABLE				
STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	NORTHING & EASTING
S-1	15" FLARED END SECTION PER FDOT INDEX 270	N/A	103.00' S	N: 9705.27 E: 15774.99
S-2	4' DIA. STORM MANHOLE PER FDOT INDEX NO. 200 & 201	125.50'	113.22' N 113.22' S	N: 9577.75 E: 15781.61
S-3	TYPE "F" INLET PER FDOT INDEX NO. 233	144.90'	133.18' N 134.75' E 133.18' S	N: 9326.88 E: 15794.64
S-4	TYPE "F" INLET PER FDOT INDEX NO. 233	153.25'	138.22' W 138.22' S	N: 9301.60 E: 16027.19
S-5	TYPE "F" INLET PER FDOT INDEX NO. 233	149.78'	141.18' N 141.18' S	N: 9183.75 E: 16014.38
S-6	TYPE "F" INLET PER FDOT INDEX NO. 233	149.54'	143.14' N	N: 9105.71 E: 16005.69
S-7	4' DIA. STORM MANHOLE PER FDOT INDEX NO. 200 & 201	141.36'	134.19' N 134.19' W	N: 9147.42 E: 15752.12
S-8	TYPE "F" INLET PER FDOT INDEX NO. 233	138.25'	134.74' E	N: 9158.44 E: 15650.77
S-9	TYPE "F" INLET PER FDOT INDEX NO. 233	145.35'	135.00' E	N: 9308.11 E: 15754.50
S-10	18" AREA DRAIN (REFER TO C2.30 FOR DETAIL)	145.75'	139.40' S 139.40' N	N: 9250.58 E: 15685.36
S-11	18" AREA DRAIN (REFER TO C2.30 FOR DETAIL)	145.50'	143.02' N 143.02' S	N: 9165.71 E: 15876.24
S-12	18" AREA DRAIN (REFER TO C2.30 FOR DETAIL)	150.50'	143.00' N 147.64' S	N: 9239.00 E: 15975.87
S-13	15" MITERED END SECTION PER FDOT INDEX 272	N/A	98.00' SE	N: 10035.64 E: 15555.73
S-14	OUTFALL STRUCTURE (REFER TO C2.20 FOR DETAIL)	108.80'	98.45' NW	N: 9985.43 E: 15622.29
S-15	UNDERDRAIN STORM CLEANOUT PER FDOT INDEX 286	103.00	99.00' N	N: 9884.95 E: 15608.11
S-16	UNDERDRAIN STORM CLEANOUT PER FDOT INDEX 286	103.00	99.00' S	N: 9969.57 E: 15614.43
S-17	12" FLARED END SECTION PER FDOT INDEX 270	N/A	97.50' SE	N: 10008.57 E: 15522.05

CITY OF ALACHUA OPERATIONS CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AAZ6002009



DANIEL H. YOUNG, P.E.
FL PE No. 70780

132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476
www.chw-inc.com
CA-5075



Structural Engineers Group
INCORPORATED

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
Florida Certificate of Authorization #6523



2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



Buford Davis + Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

No. Description Date

CONFORMANCE DOCUMENTS 09/23/2015

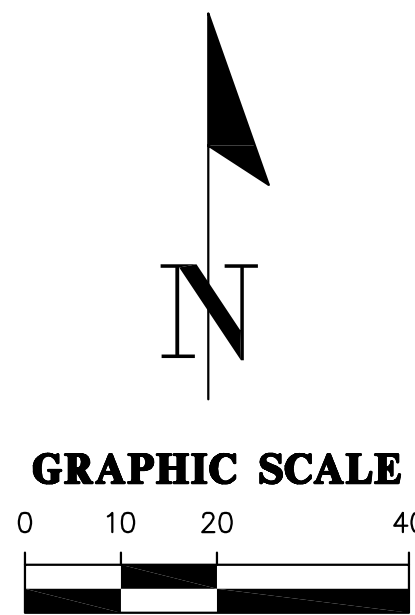
Drawing Title:

MASTER GRADING PLAN

Arch. Project No.: 15023
Civil Project No.: 15-0150
Checked by: TFC

C2.00

SEE SHEET C2.20 FOR CONTINUATION



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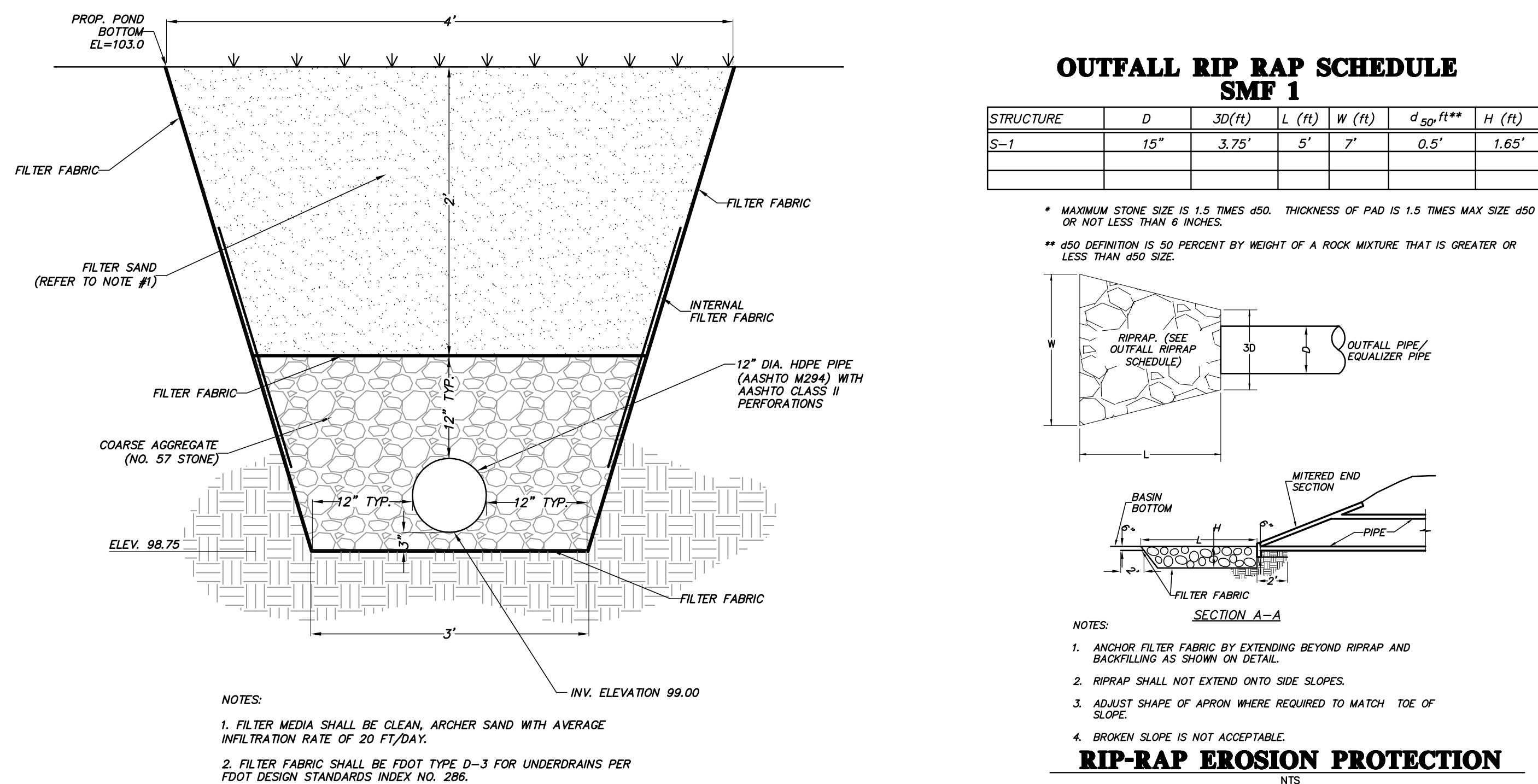
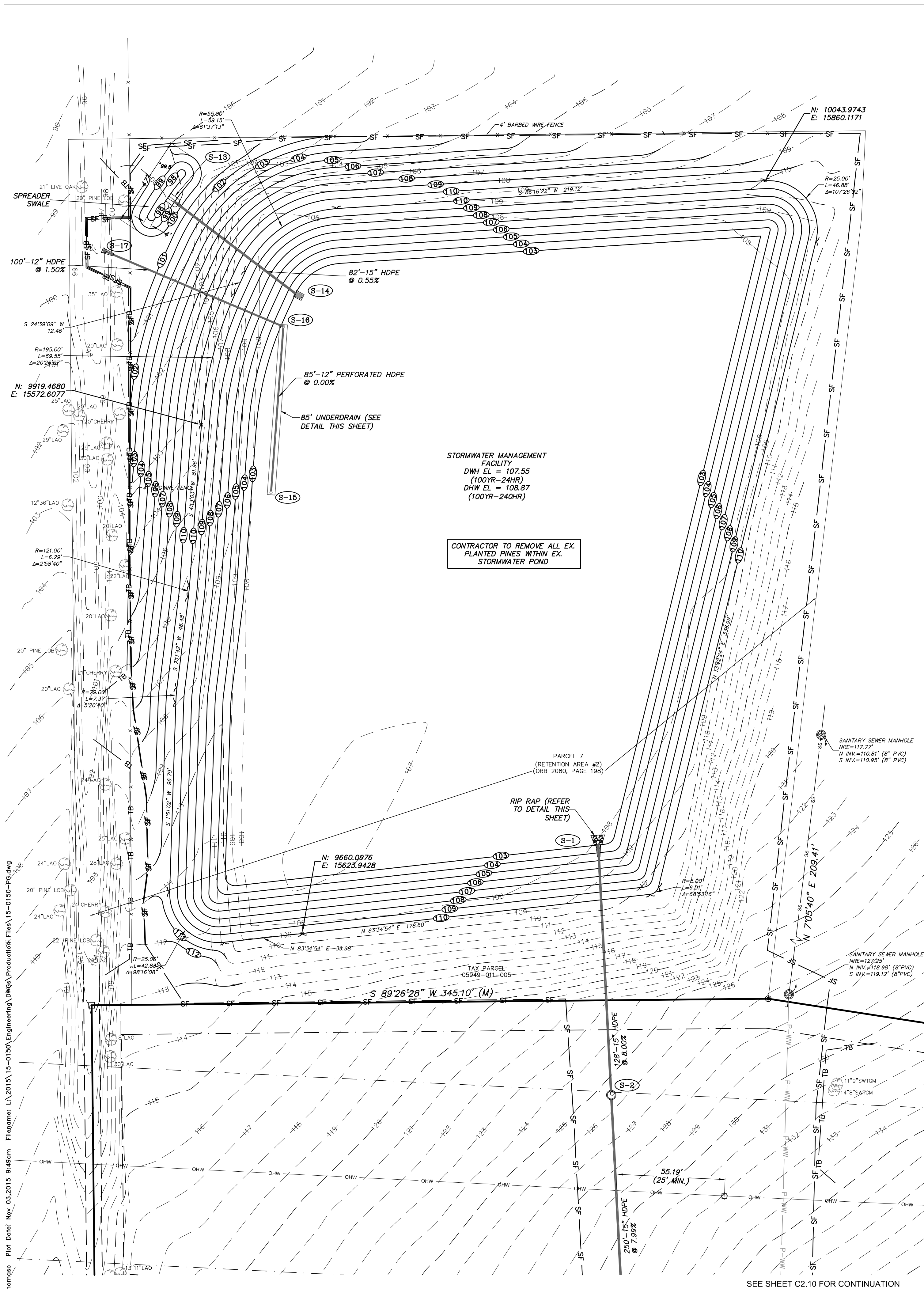
CONFORMANCE DOCUMENTS	09/23/2015
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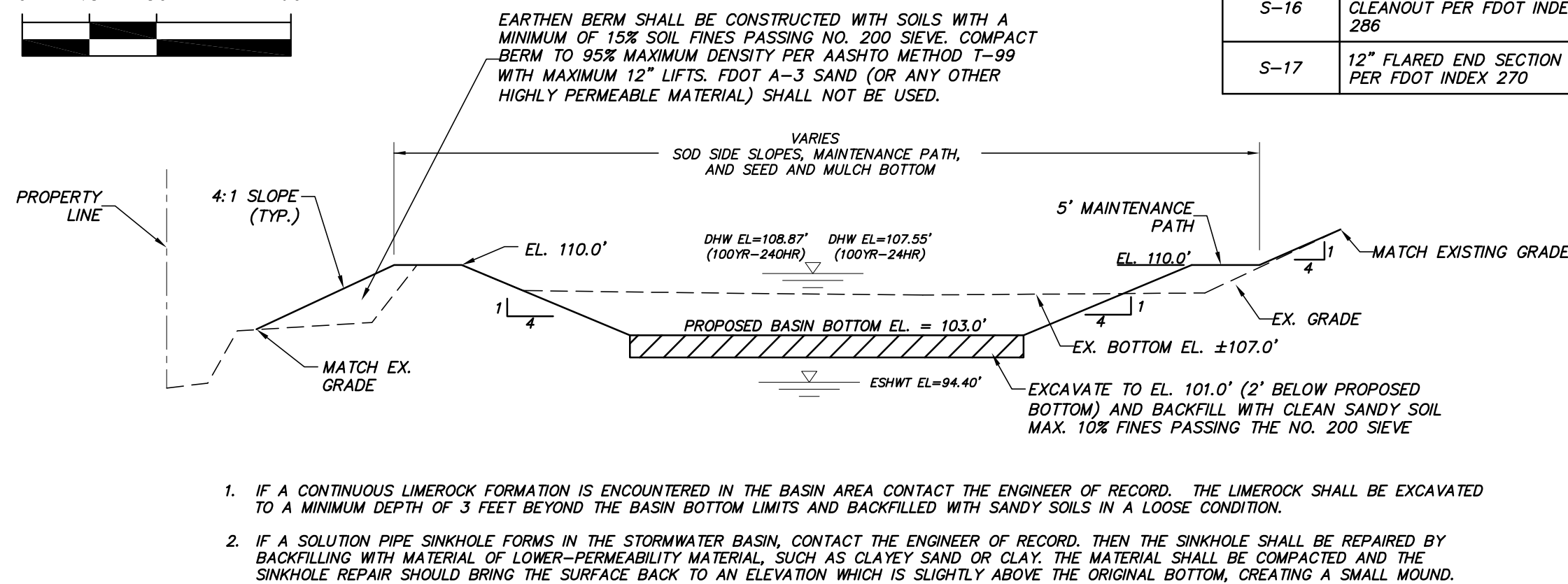
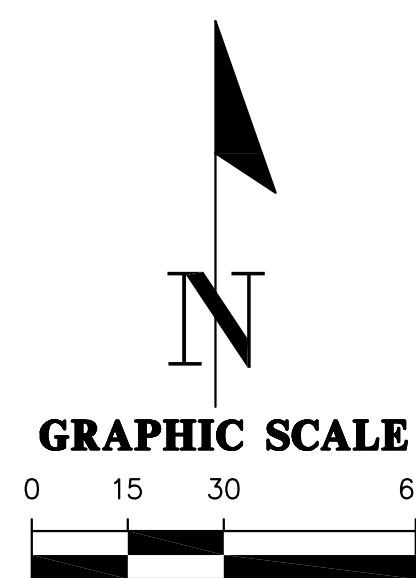
DETAILED GRADING AND DRAINAGE PLAN

Arch. Project No.:	15023	Checked by:	TFC
Civil Project No.:	15-0150		

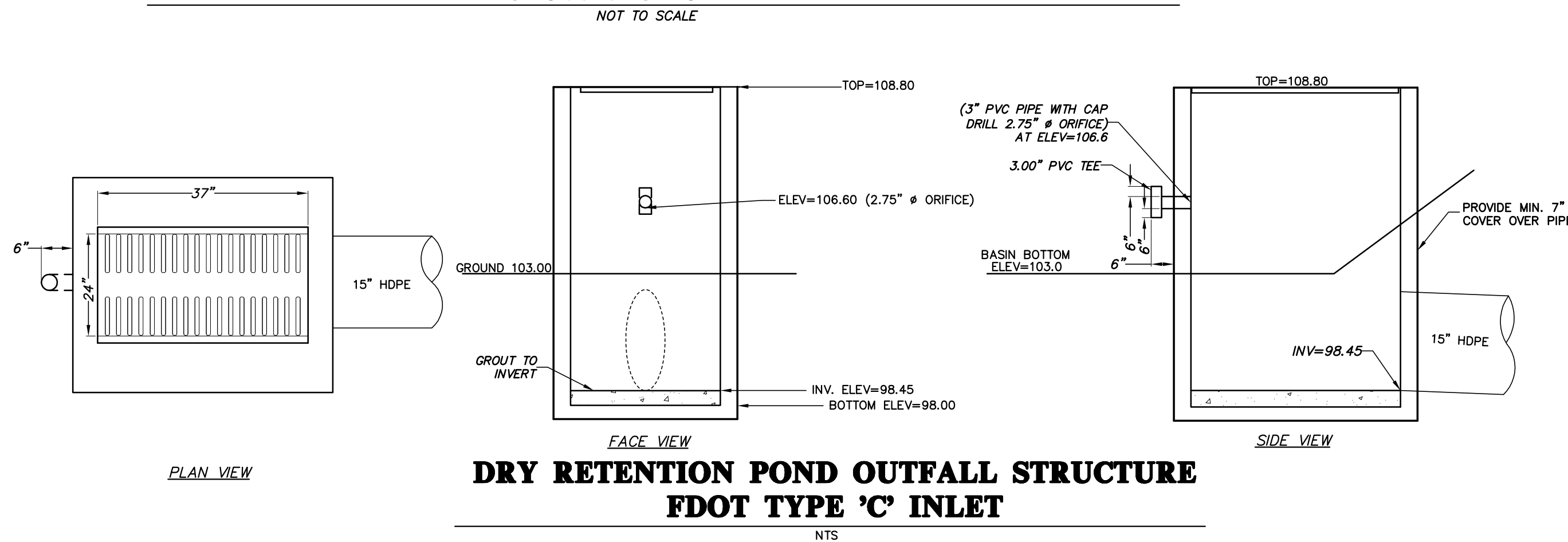
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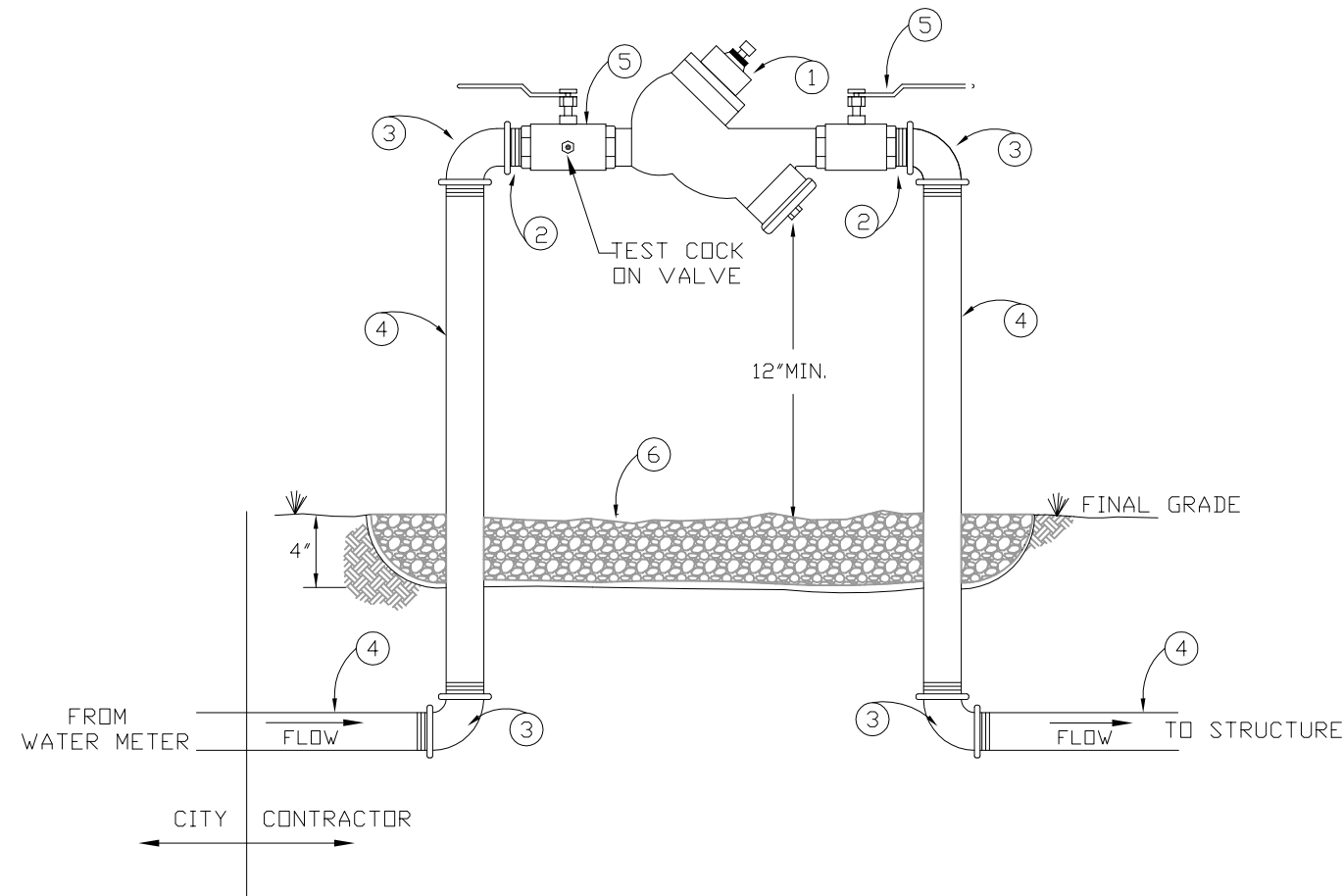


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STORMWATER MANAGEMENT FACILITY #1
CROSS SECTION B-B

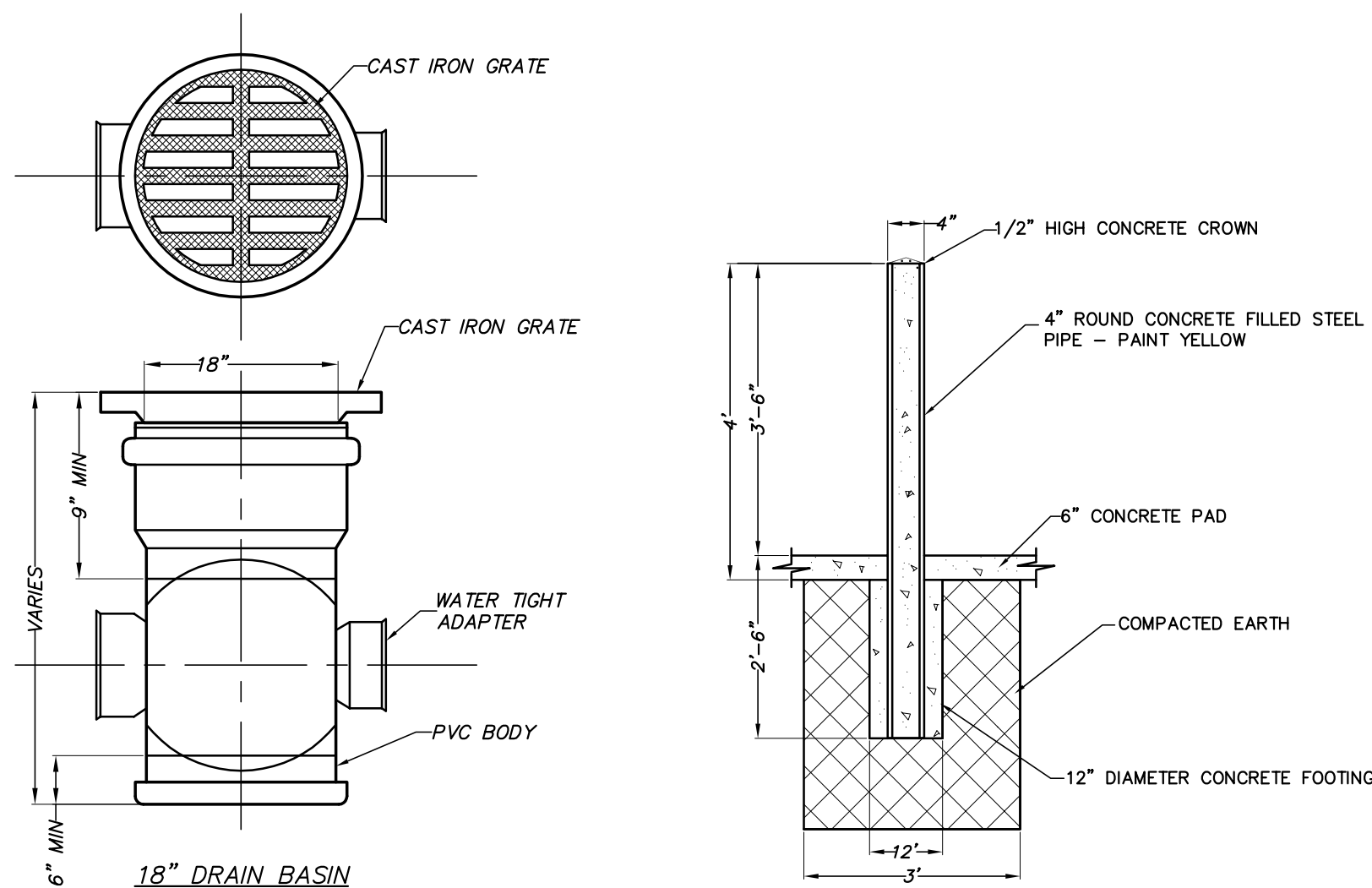




MATERIALS		
ITEM	DESCRIPTION	
1	1", 2"	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
2	1", 2"	BRASS NIPPLE
3	1", 2"	GALVANIZED 90 DEG ELBOW
4	1", 2"	GALVANIZED PIPE
5	1", 2"	1/4 TURN BRASS BALL VALVE
6		GRAVEL BED (NO. 57 STONE)

REDUCED PRESSURE ZONE BACKFLOW PREVENTER

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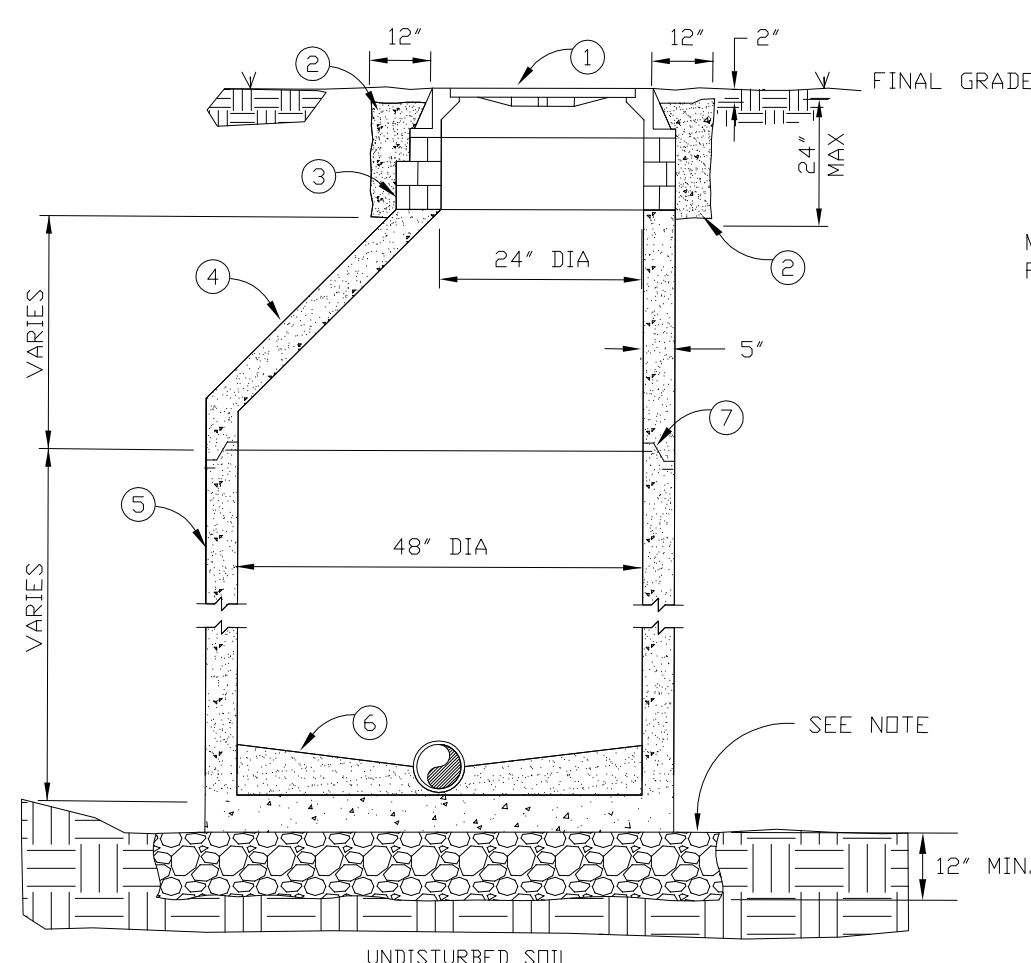


AREA DRAIN BASIN DETAIL

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PIPE BOLLARD DETAIL

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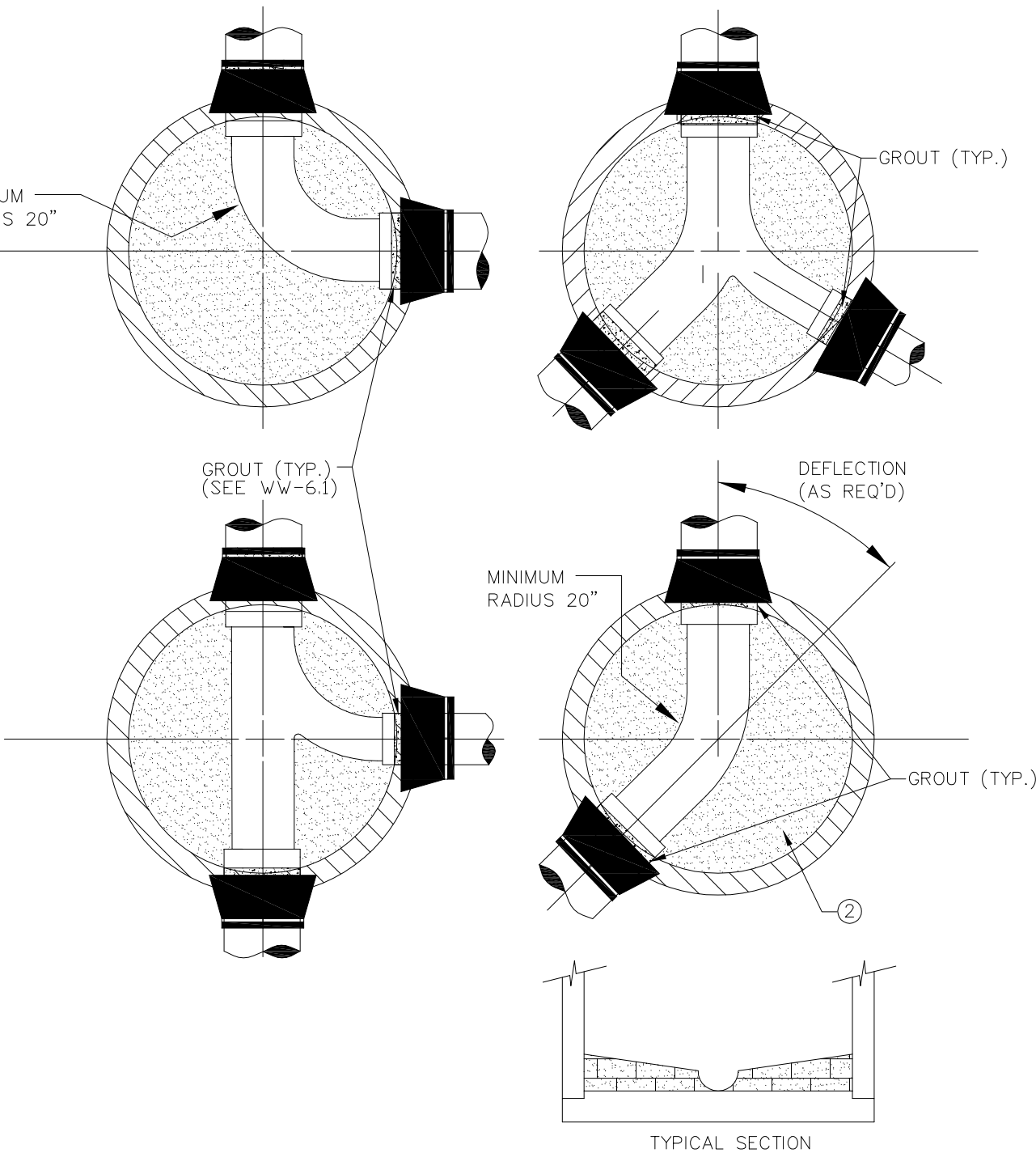


MATERIALS	
ITEM	DESCRIPTION
1	MANHOLE RING & COVER, 24" DIA.
2	CONCRETE COLLAR (2500 PSI)
3	BRICK & MORTAR
4	ECCENTRIC CONE, MANHOLE
5	MANHOLE/CONCENTRIC BASE (CLOSED BOTTOM)
6	BRICK W/ GROUT FILLER
7	JOINT SEALER

NOTE: A BEDDING OF CLASS I, CLASS II OR CLASS III MATERIAL SHALL BE REQUIRED WHEN THE MANHOLE BOTTOM CANNOT BE INSTALLED ON UNDISTURBED SOIL OR IF THE NATIVE SOIL IS CLASS IV OR CLASS V MATERIAL.

MANHOLE CONSTRUCTION

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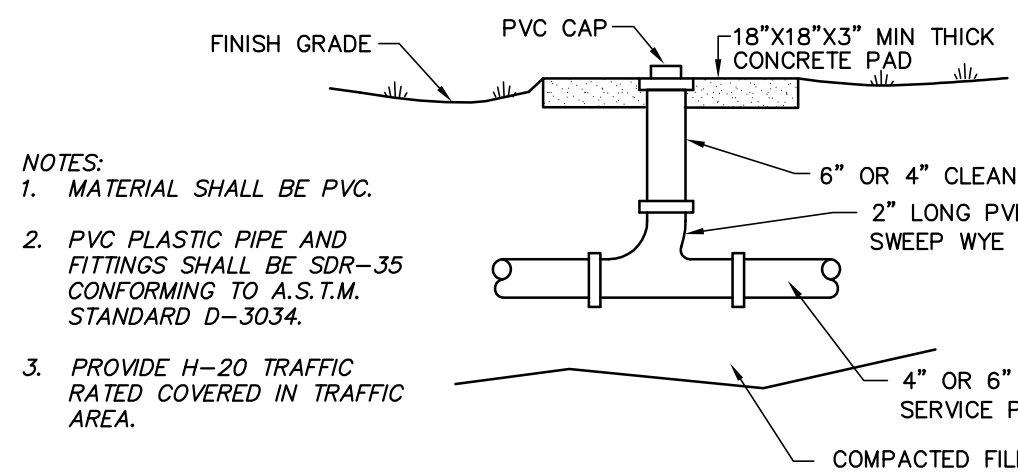


NOTES: ① INVERTS SHALL BE CONSTRUCTED AT 1/10 FT. DROP ACROSS THE INSIDE OF MANHOLE.

② INVERTS SHALL BE BRICK WITH GROUT FILLER.

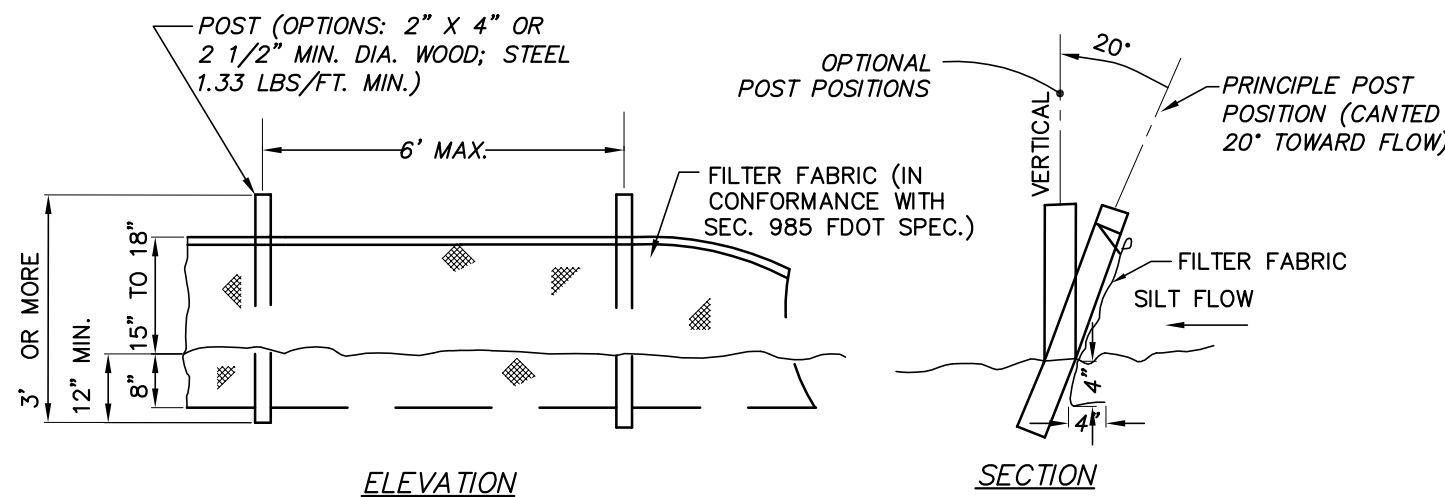
MANHOLE INVERT CONSTRUCTION

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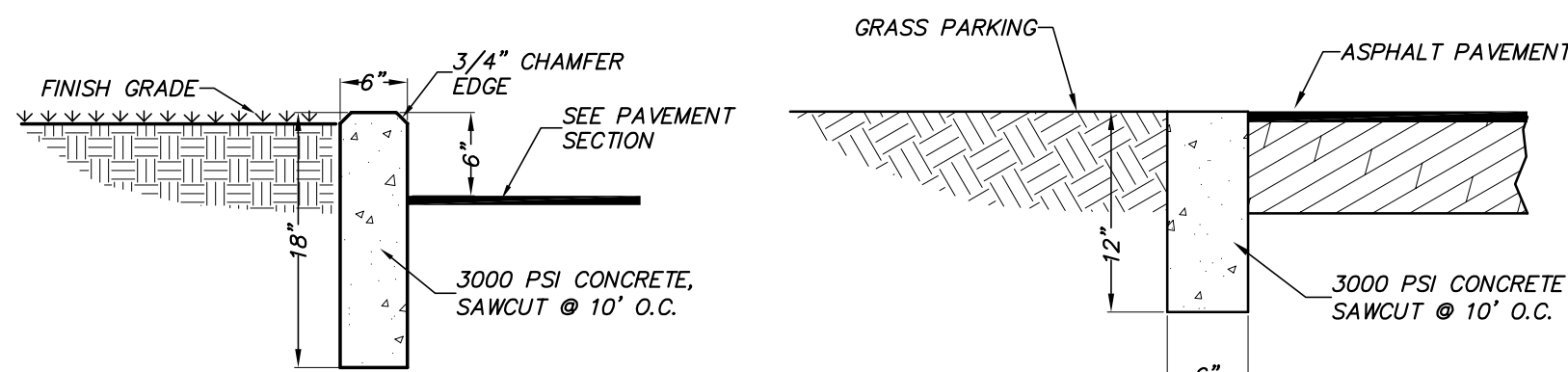
INLINE WASTEWATER SERVICE LATERAL

NTS



TYPE III SILT FENCE DETAIL

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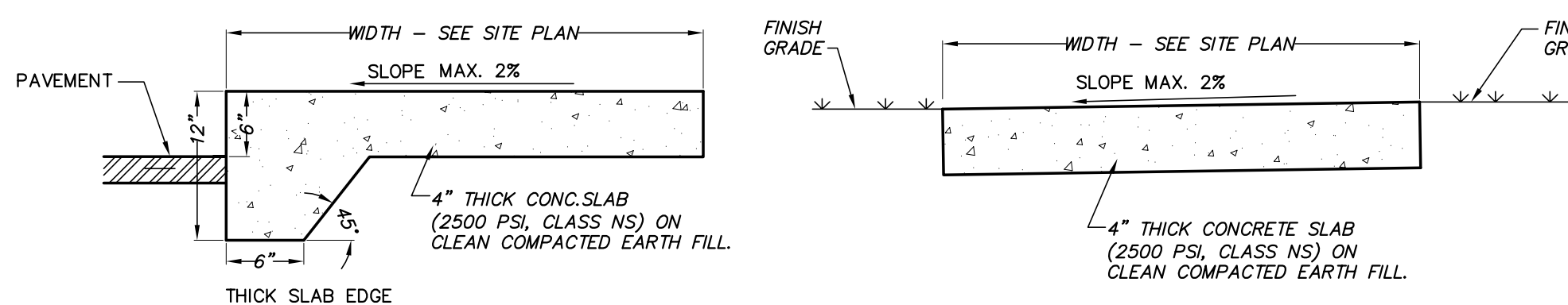


TYPICAL 6" CURB DETAIL

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REBON CURB DETAIL

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NOTES:

- SAWCUT CONTROL JOINTS SHALL BE CONSTRUCTED 5 FEET ON CENTER
- EXPANSION JOINTS WITH PREFORMED JOINT FILLER SHALL BE CONSTRUCTED BETWEEN ALL FIXED OBJECTS AND WALK AND AT CONSTRUCTION JOINTS.

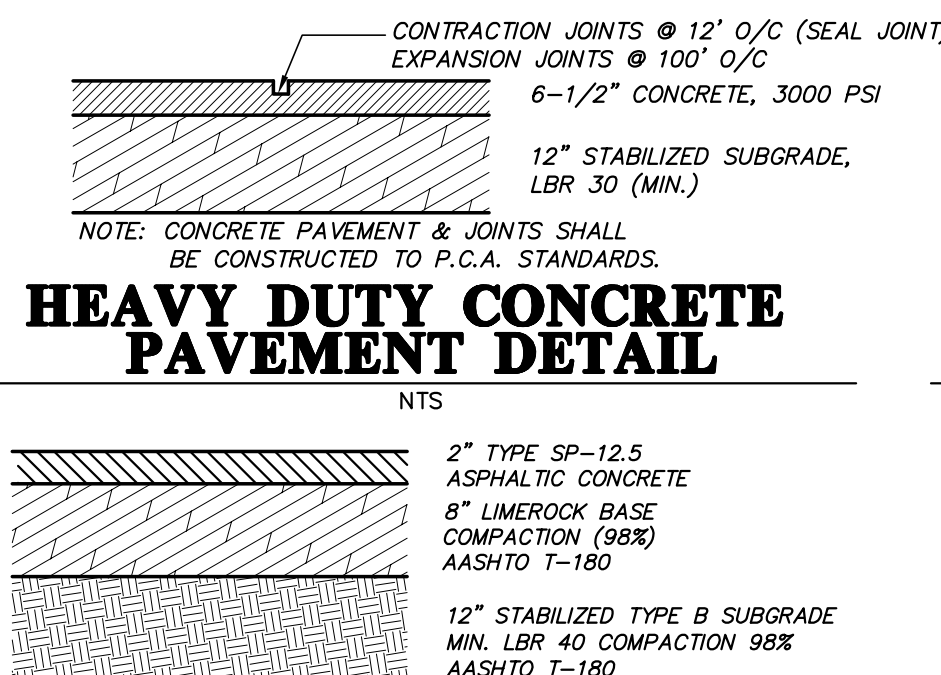
ADJACENT TO PAVEMENT

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NOT ADJACENT TO PAVEMENT

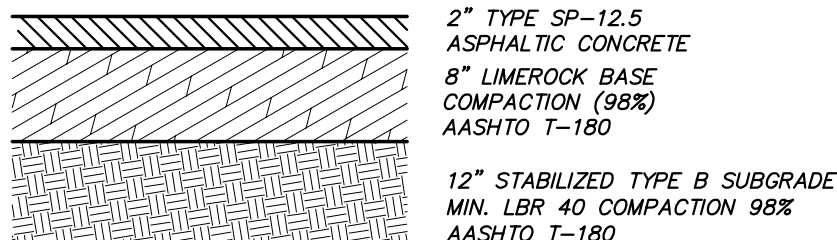
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CONCRETE SIDEWALK DETAILS



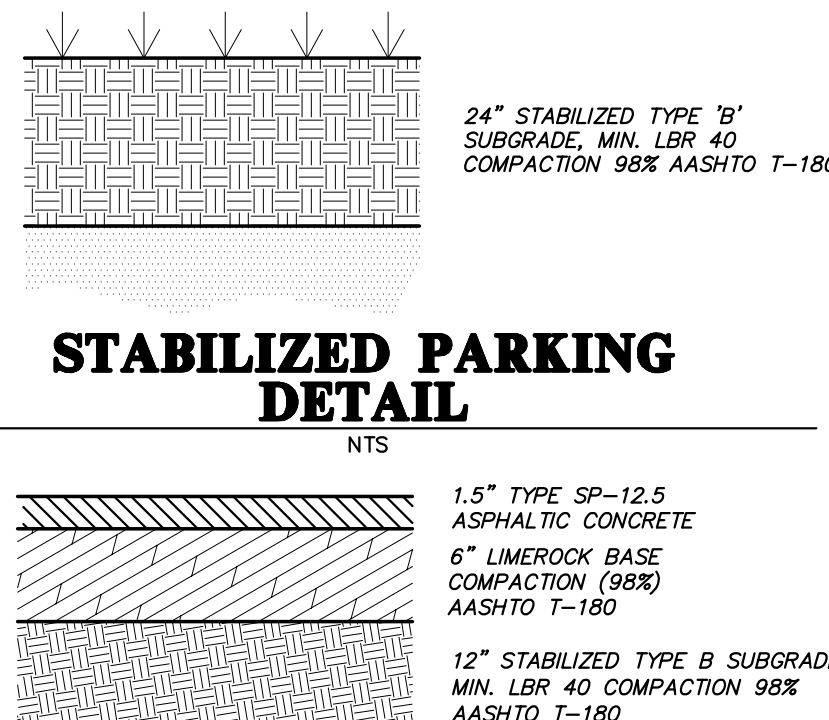
HEAVY DUTY CONCRETE PAVEMENT DETAIL

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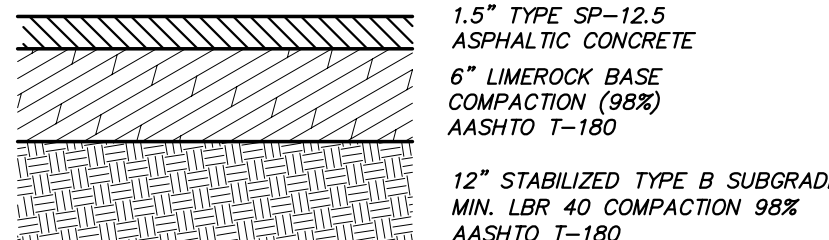
HEAVY DUTY ASPHALT DETAIL

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STABILIZED PARKING DETAIL

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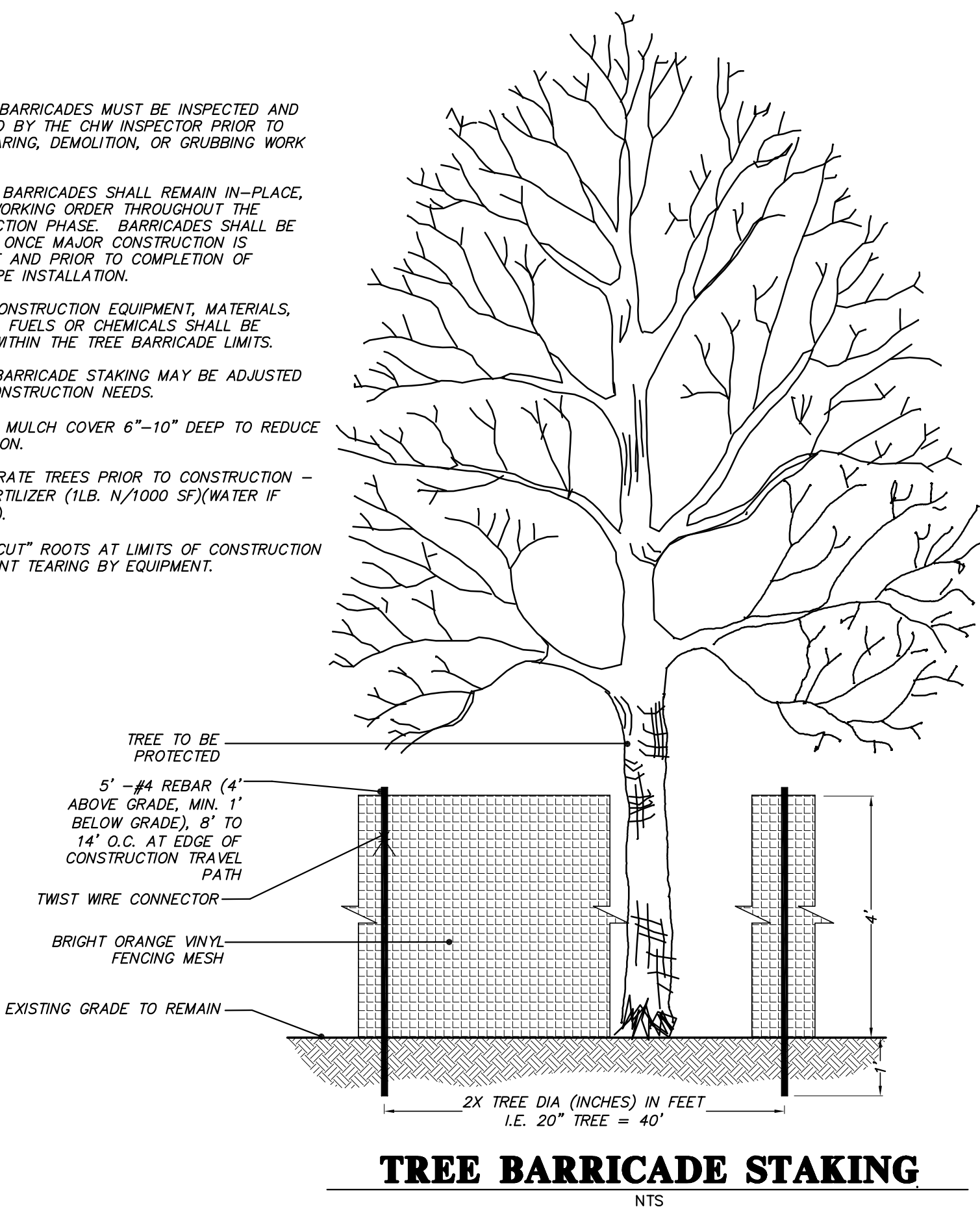
STANDARD DUTY ASPHALT DETAIL

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NOTE: IF EXPANSIVE SOILS ARE ENCOUNTERED MIN. 24" SEPARATION FROM THE BASE COURSE, REFER TO GEOTECHNICAL REPORT FOR MEDIATION.

NOTE:

- TREE BARRICADES MUST BE INSPECTED AND APPROVED BY THE CHW INSPECTOR PRIOR TO ANY CLEARING, DEMOLITION, OR GRUBBING WORK BEGINS.
- TREE BARRICADES SHALL REMAIN IN-PLACE, AND IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. BARRICADES SHALL BE REMOVED ONCE MAJOR CONSTRUCTION IS COMPLETE AND PRIOR TO COMPLETION OF LANDSCAPE INSTALLATION.
- NO CONSTRUCTION EQUIPMENT, MATERIALS, SUPPLIES, FUELS OR CHEMICALS SHALL BE STORED WITHIN THE TREE BARRICADE LIMITS.
- TREE BARRICADE STAKING MAY BE ADJUSTED TO FIT CONSTRUCTION NEEDS.
- HEAVY MULCH COVER 6"-10" DEEP TO REDUCE COMPACTION.
- INVIGORATE TREES PRIOR TO CONSTRUCTION - LIGHT FERTILIZER (1LB. N/1000 SF)(WATER IF POSSIBLE).
- "PRE-CUT" ROOTS AT LIMITS OF CONSTRUCTION TO PREVENT TEARING BY EQUIPMENT.



TREE BARRICADE STAKING

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CITY OF ALACHUA OPERATIONS CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
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AA26002009



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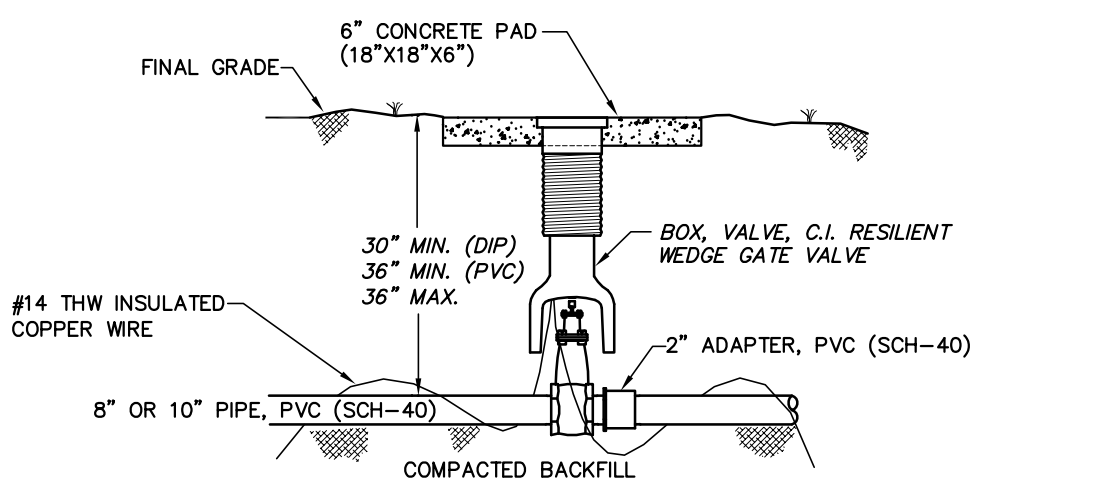
CONFORMANCE DOCUMENTS 09/23/2015

Drawing Title:

CONSTRUCTION DETAILS

Arch. Project No.: 15023
Civil Project No.: 15-0150 Checked by: TFC

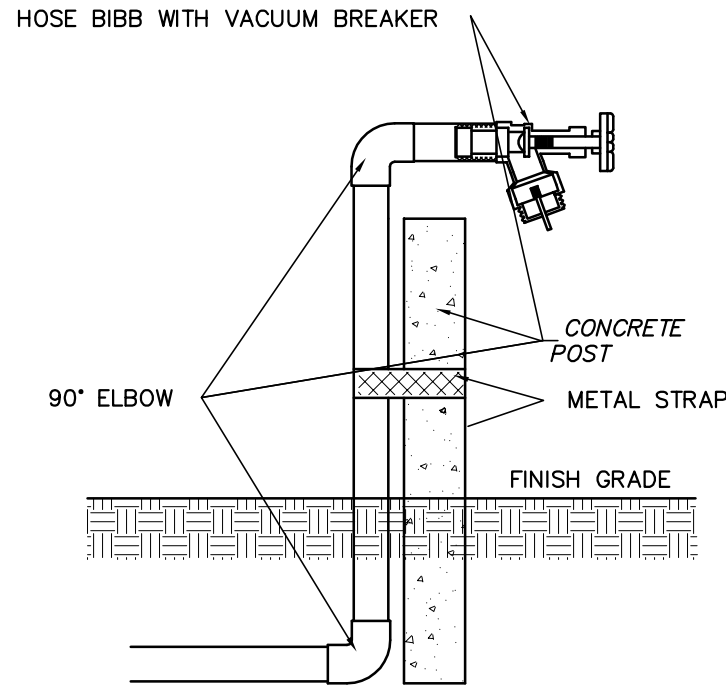
C2.30



- NOTES:
1. WATER VALVE BOX TOPS ARE TO BE CAST WITH THE WORD "WATER" ON TOP AND PAINTED BLUE.
 2. CONCRETE PAD SHALL BE PROVIDED AROUND VALVE BOX IN UNPAVED AREAS.

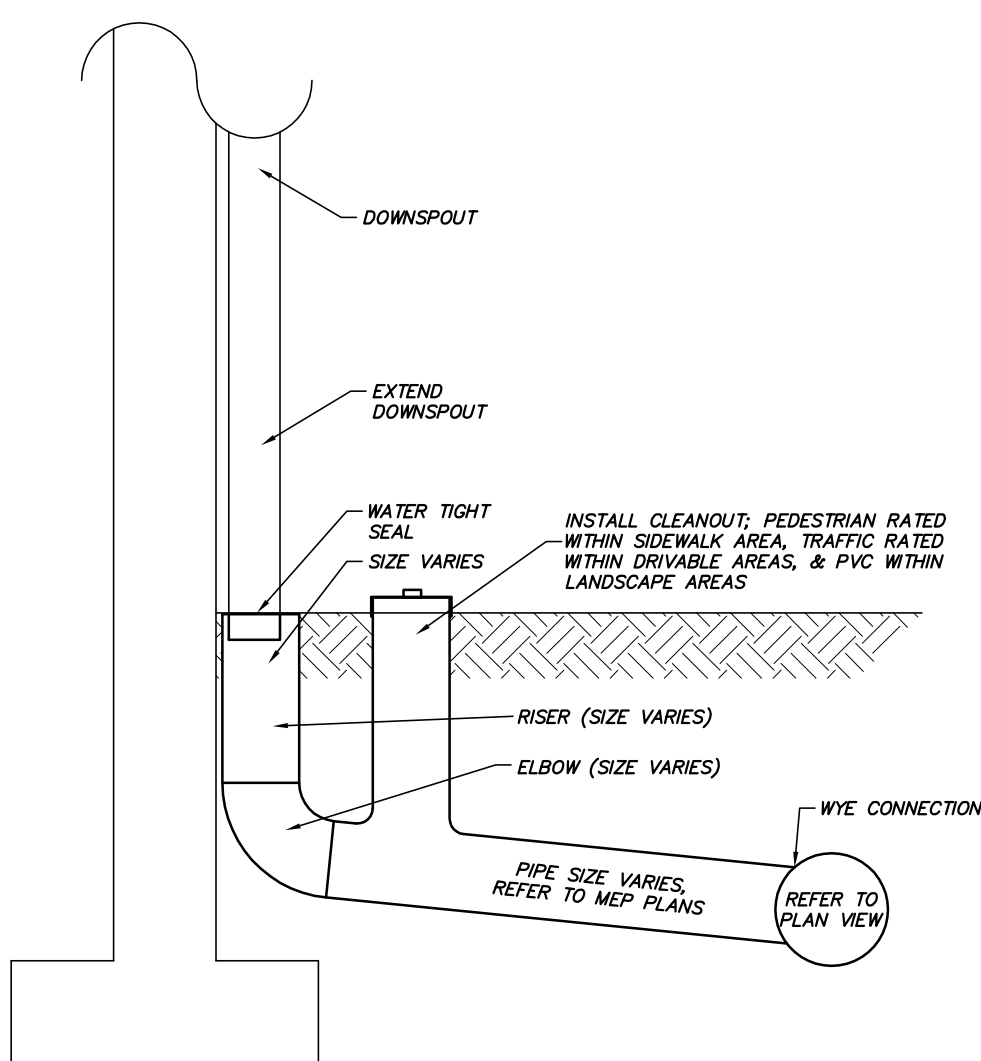
WATER VALVE DETAIL

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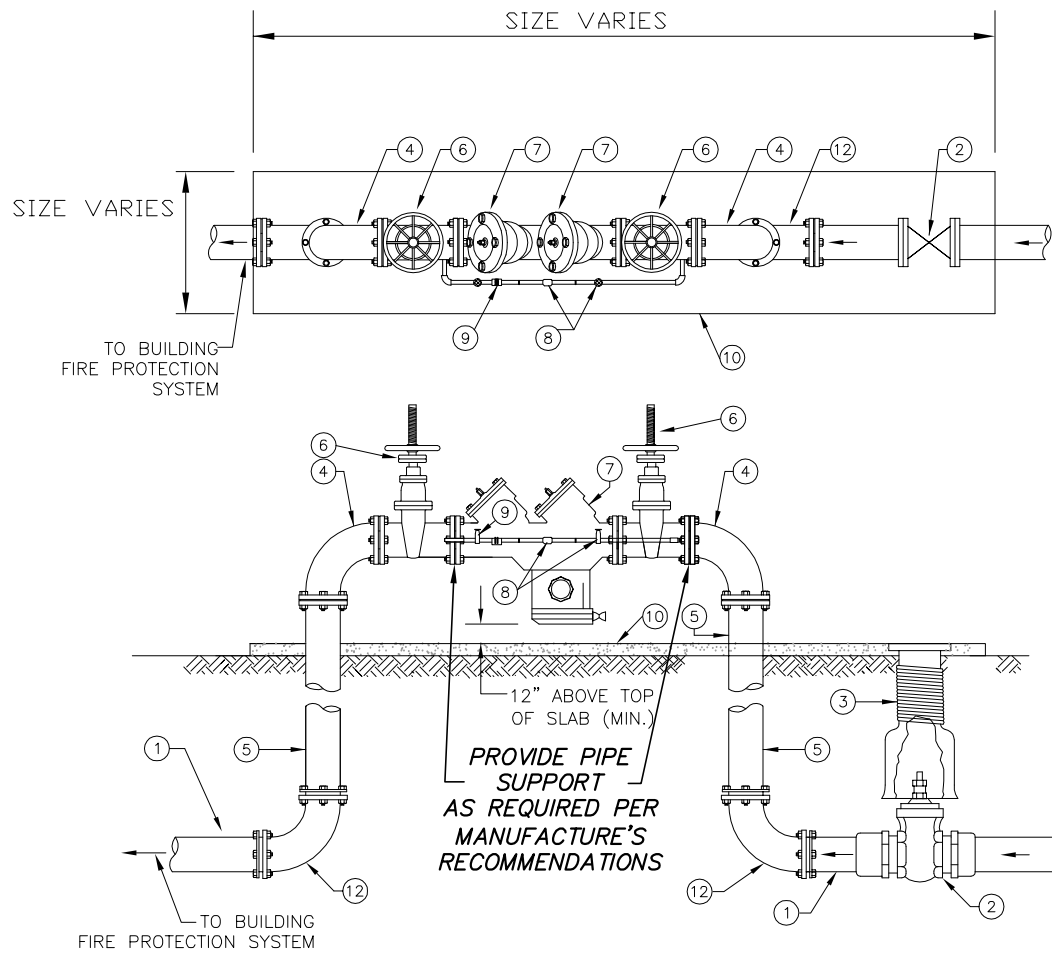
HOSE BIBB DETAIL

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DOWNSPOUT CONNECTION DETAIL

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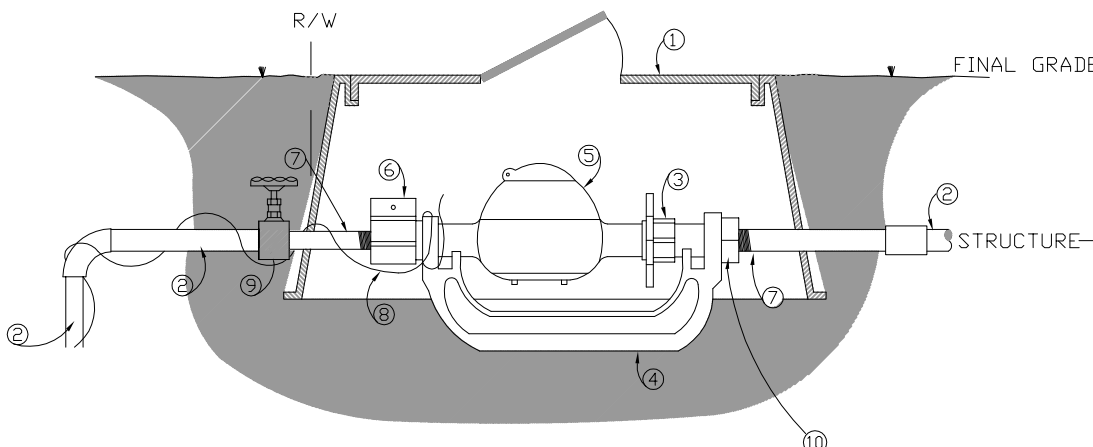


M A T E R I A L S	
ITEM	DESCRIPTION
1	6" FIRE MAIN
2	6" GATE VALVE, FL X FL (POINT OF SERVICE)
3	VALVE BOX, C.I.
4	6" BEND 90° FL X FL
5	6" DUCTILE IRON PIPE-FLANGE X P.E.
6	6" DS & Y TYPE GATE VALVE
7	6" BACKFLOW PREVENTOR (DOUBLE CHECK)
8	3/4" SHUTOFF VALVE AND DETECTION BYPASS METER
9	3/4" DETECTOR CHECK VALVE
10	4" CONCRETE SLAB (3500 PSI)
12	6" D.I. 90° BEND N.J. WITH EBAA MEGA LUG

NOTE: PRE-FABRICATED SECURED ENCLOSURE REQUIRED (NOT SHOWN FOR CLARITY PURPOSES). PAD DIMENSIONS TO BE VERIFIED VERSUS SECURE ENCLOSURE REQUIREMENTS, PRIOR TO POURING. ENCLOSURE TO BE AGUASHIELD OR EQUIVALENT. NO HEATING REQUIRED.

FIRE DOUBLE DETECTOR CHECK VALVE BACKFLOW PREVENTER

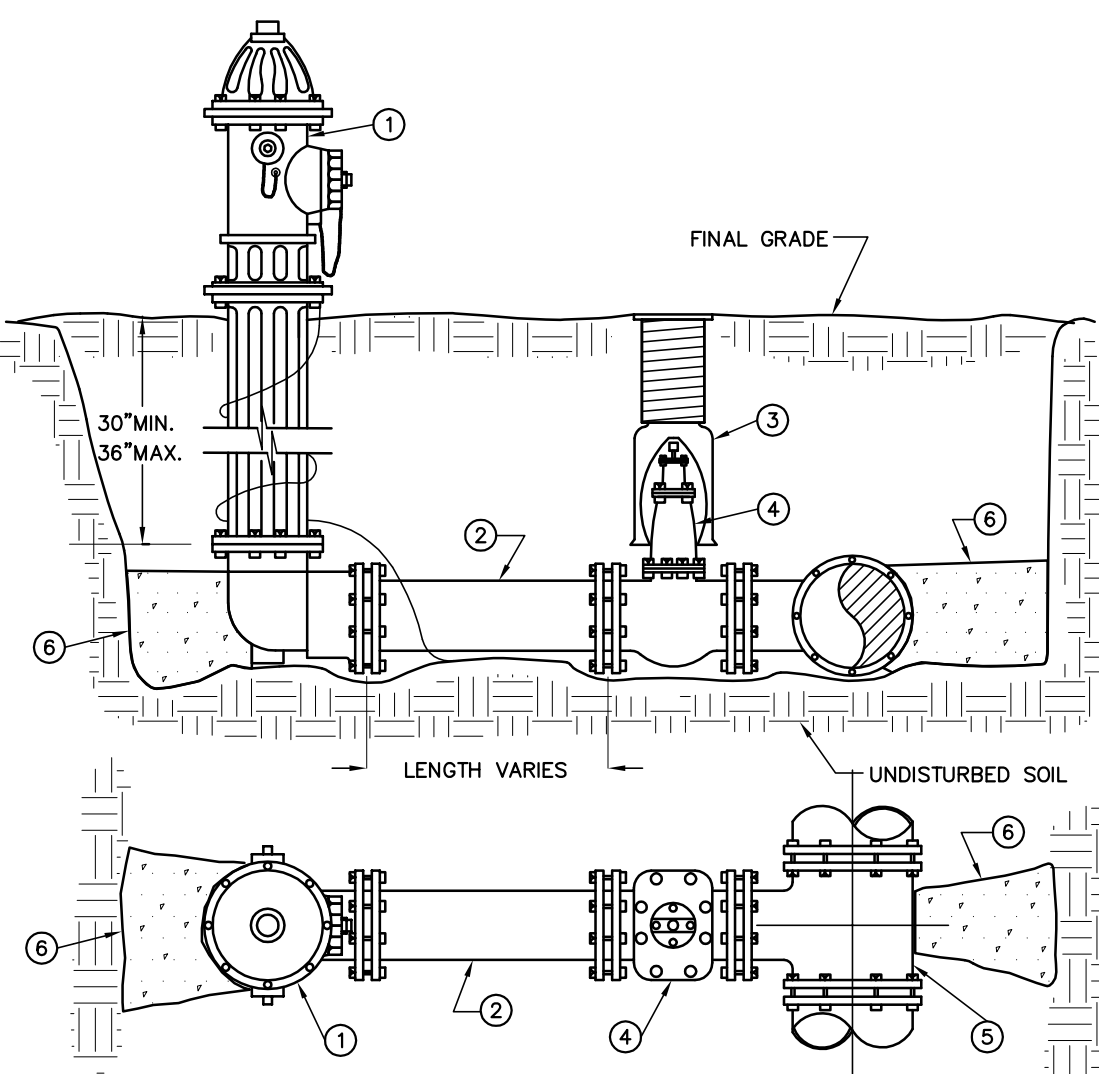
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M A T E R I A L S	
ITEM	DESCRIPTION
1	METER BOX - 3/4"
2	SCH 40 PVC PIPE
3	YDKE EXPANSION
4	YDKE BAR - 3/4"
5	WATER METER - 3/4"
6	METER BALL VALVE - 1"
7	6" SCH 80 PVC THREADED NIPPLE
8	TRACER WIRE, COPPER, BLUE INSULATED, #10 AWG
9	GATE VALVE
10	METER END CONNECTOR - 3/4"

3/4" WATER METER DETAIL

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M A T E R I A L S		
ITEM	QUANTITY	DESCRIPTION
1	1	FIRE HYDRANT
2	*	1 DIP OR PVC (DR-18) PIPE
3	1	VALVE BOX
4	1	GATE VALVE (M.J.)
5	1	ANCHORING TEE (M.J.)
6	*	CONCRETE THRUST BLOCK

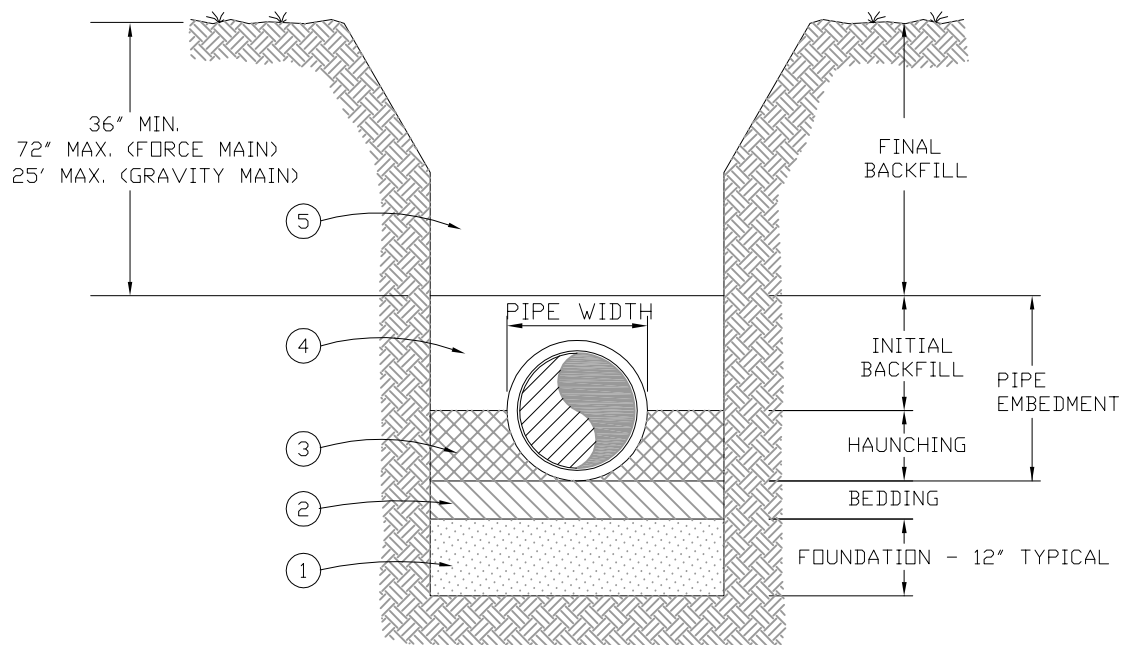
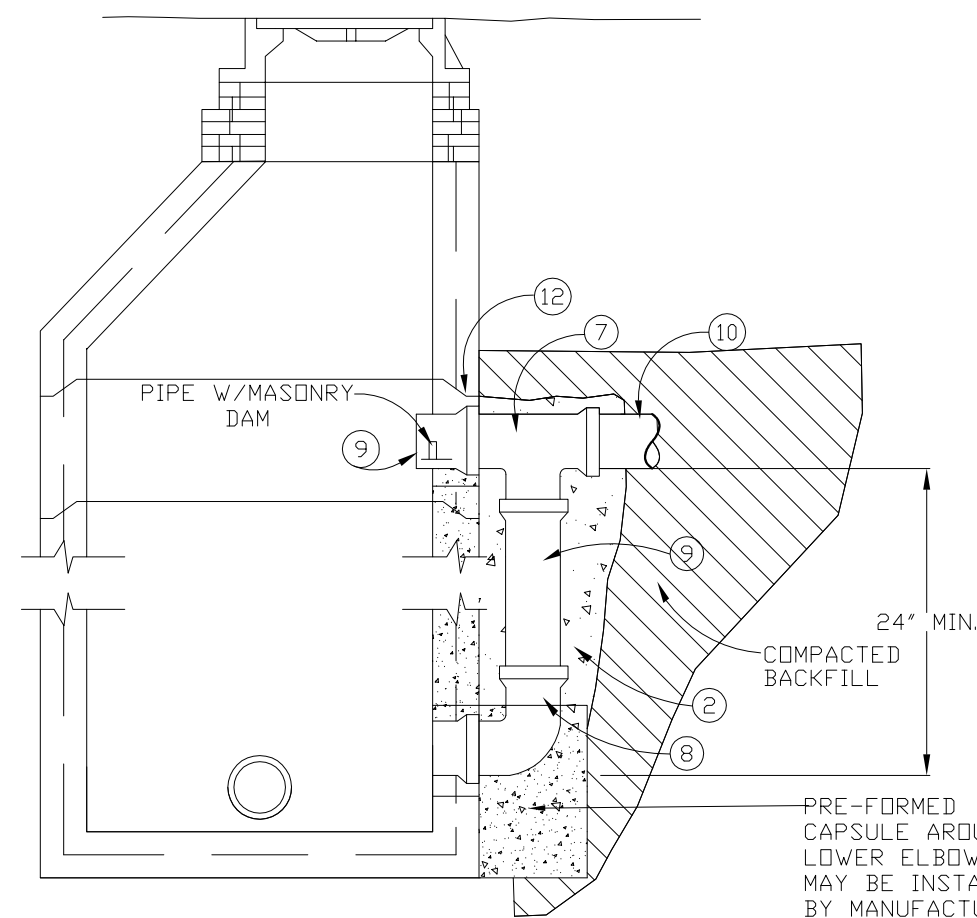
FIRE HYDRANT ASSEMBLY

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M A T E R I A L S	
ITEM	DESCRIPTION
2	EXCAVATABLE FLOWABLE FILL (FDOT SPEC)
7	TEE, D.I., M.J. EPOXY LINED, PROTECTO 401
8	BEND, D.I., M.J. EPOXY LINED, PROTECTO 401
9	PIPE, D.I. EPOXY LINED, PROTECTO 401
10	PIPE, PVC (SDR-35)
12	JOINT SEALER

MANHOLE DROP CONSTRUCTION DETAIL

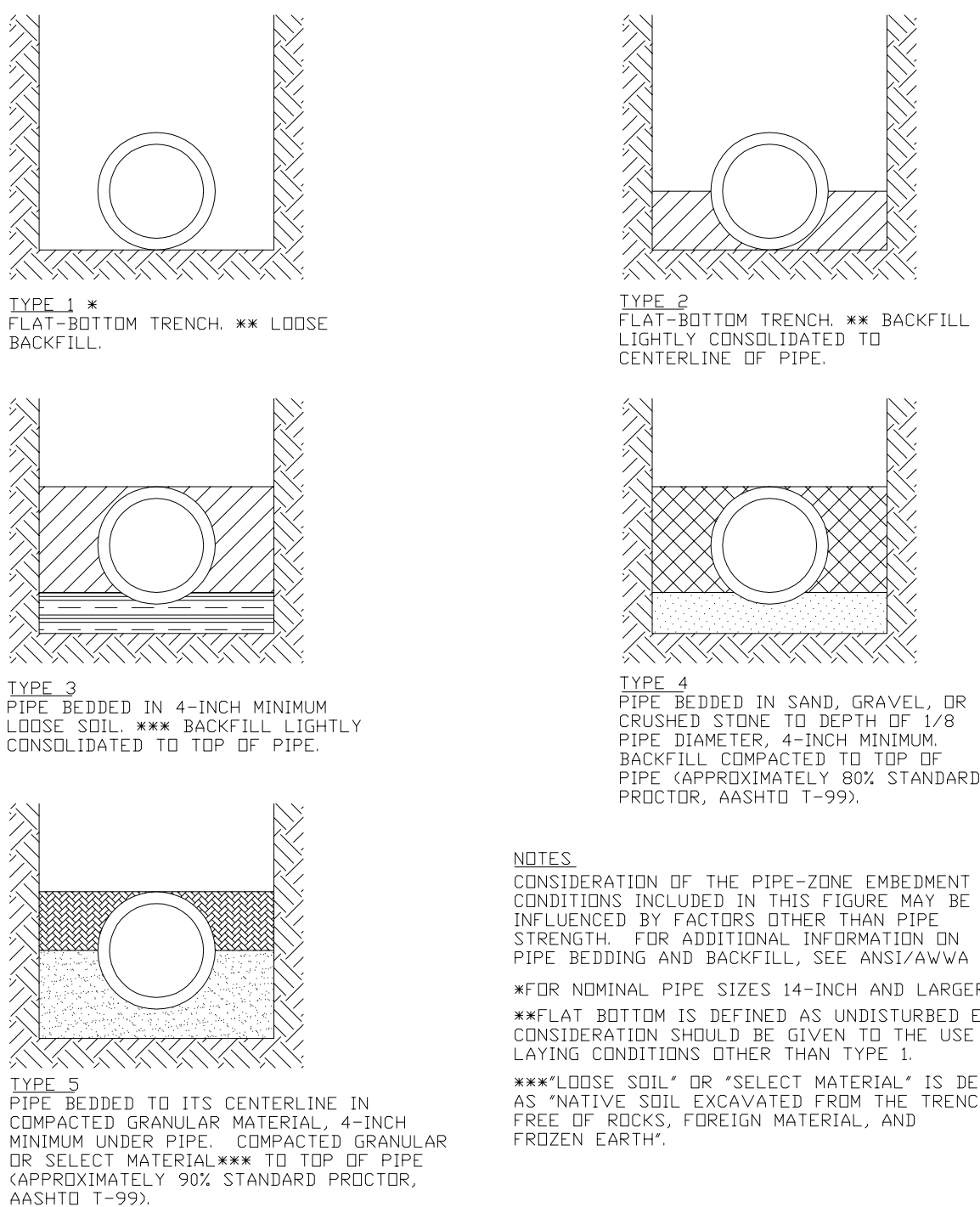
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- NOTES:
1. A FOUNDATION MAY BE REQUIRED IN VERY POOR SOIL CONDITIONS. FIELD DETERMINATION WILL BE PROVIDED BY CITY INSPECTOR. TYPICAL FOUNDATION THICKNESS SHALL BE 12", BUT MAY VARY ACCORDING TO NATURAL MATERIAL.
 2. BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. IN DRY SOIL CONDITIONS CLASS II OR CLASS III MATERIAL SHALL BE HAND PLACED 4" TO 6", LIGHTLY COMPACTED, UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. IN WET SOIL CONDITIONS CLASS I, CLASS II OR CLASS III SHALL BE HAND PLACED, 4" TO 6", UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. WHEN UTILIZING CLASS I MATERIAL, SUFFICIENT AMOUNTS OF CLASS II OR CLASS III MATERIAL SHALL BE ADDED TO FILL ALL VOIDS CREATED BY THE CLASS I MATERIAL.
 3. HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. CLASS II OR CLASS III MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
 4. INITIAL BACKFILL MATERIAL SHALL BE CLASS II OR CLASS III. IT SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF THE PIPE. THE SOIL SHALL BE CONSOLIDATED BY HAND TAMPING OR WALKING THE SOIL IN PLACE.
 5. FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. THE MATERIAL SHALL BE CLASS II OR CLASS III MATERIAL. CLASS IV MATERIAL MAY BE INSTALLED OUTSIDE OF THE ROADWAY. FINAL BACKFILL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS.

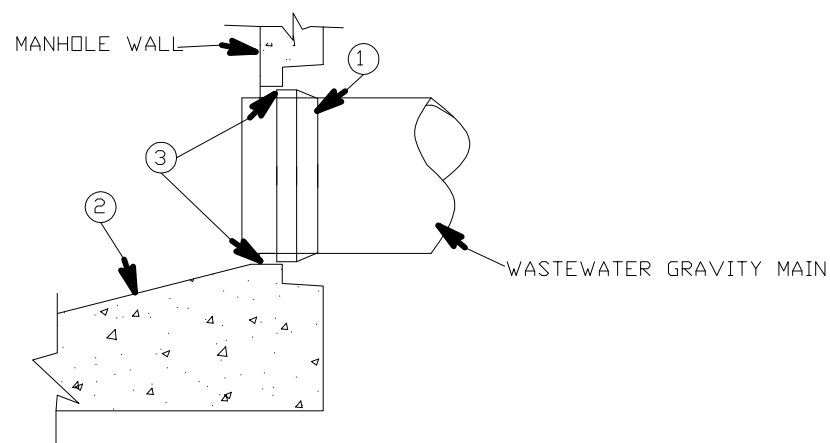
PIPE BEDDING DETAIL

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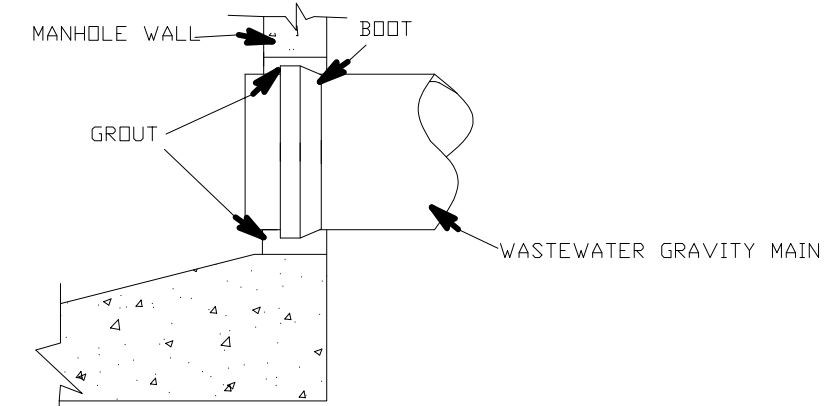


PIPE BEDDING AND BACKFILL DETAIL

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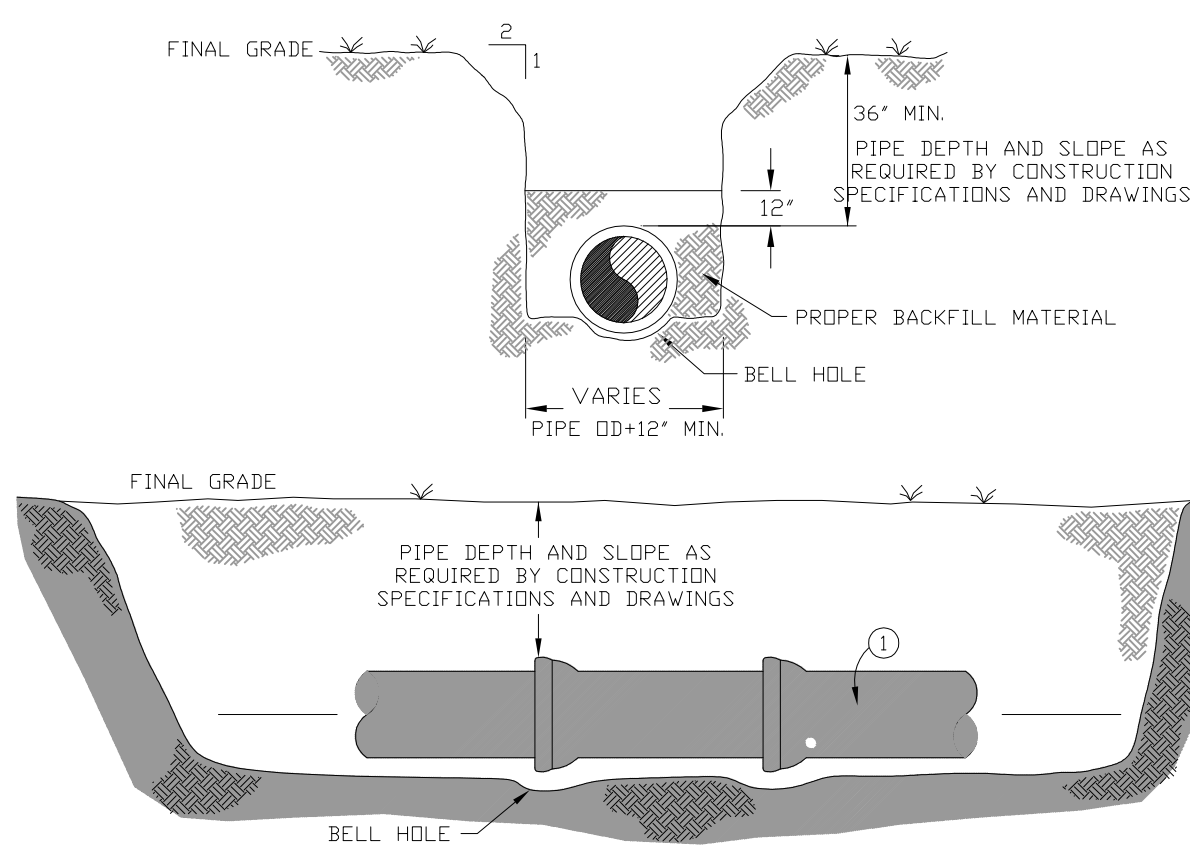
- NOTES:
1. PREFABRICATED BOOT SHALL BE INSTALLED BY THE MANUFACTURER OF THE MANHOLE.
 2. PRECAST BOTTOMS WITH INVERTS INSTALLED AT THE FACTORY ARE ACCEPTABLE.
 3. INSERT/INSTALL PIPE 3" +/- BEYOND INTERIOR WALL OF SANITARY SEWER MANHOLE.
 4. GROUT AREA INSIDE OF THE BOOT, FLUSH WITH INSIDE OF MANHOLE.
 5. GROUT AREA OUTSIDE OF THE BOOT FLUSH WITH THE OUTSIDE OF THE MANHOLE.



- NOTES:
1. CORE BORE EXISTING SANITARY SEWER MANHOLE. ALL SEWER LATERALS AND SEWER MAINS ENTERING EXISTING SANITARY SEWER MANHOLE WALL SHALL BE GROUTED IN PLACE WITH AN ASTM C-92 COMPLIANT MANHOLE BOOT, DESIGNED FOR SDR-35 PVC PIPE, KOR-N-SEAL, A-LOK G3, OR APPROVED EQUAL.

MANHOLE PIPE CONNECTION CONSTRUCTION

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M A T E R I A L S	
ITEM	DESCRIPTION
1	GRAVITY SEWER MAIN PIPE

- NOTES:
1. GRAVITY MAIN PIPE SHALL BE INSTALLED AT THE LINE AND GRADE.
 2. PIPE MATERIAL SHALL CONFORM TO W-W-2.0.

WASTEWATER GRAVITY MAIN CONSTRUCTION

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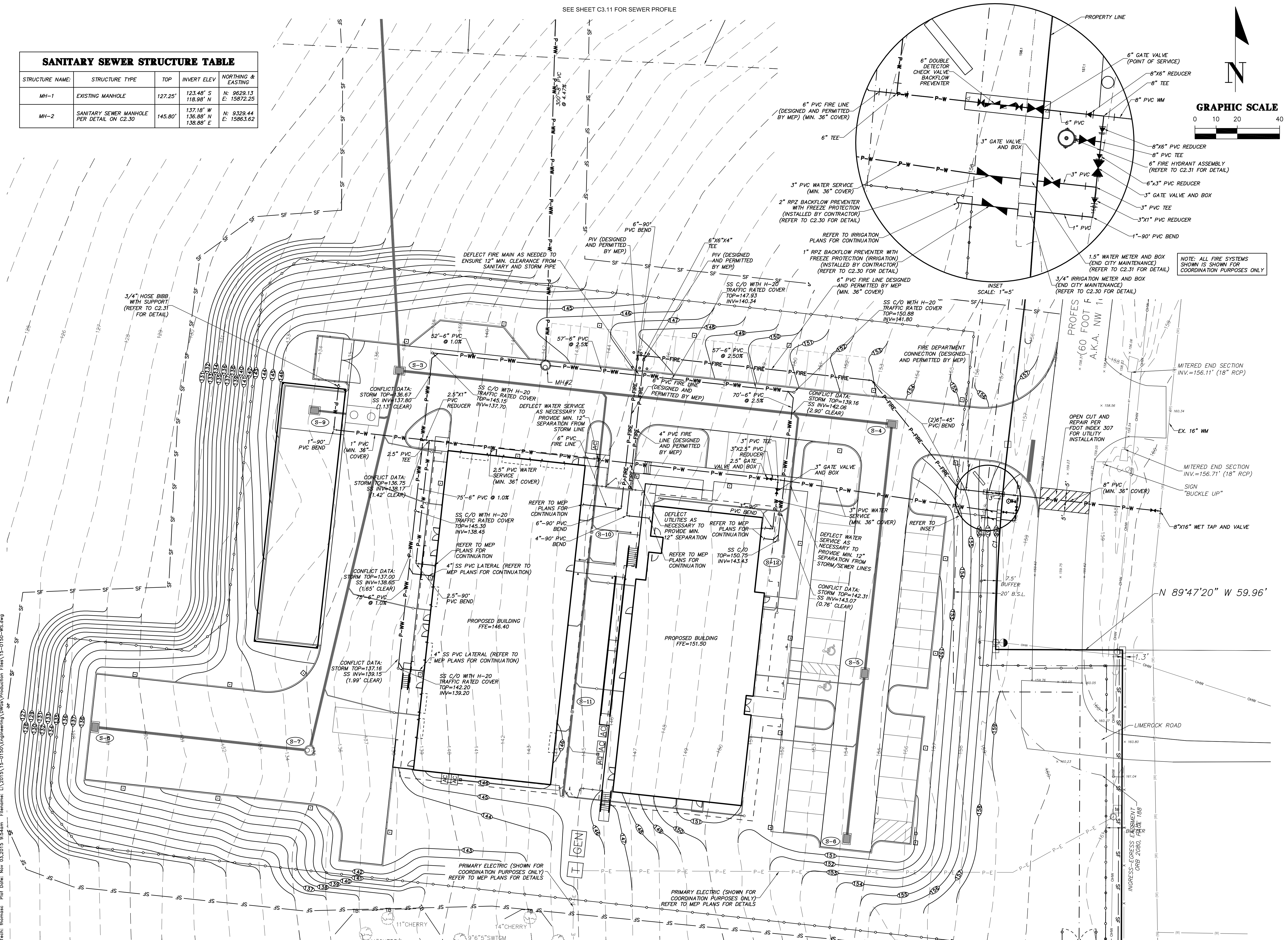
CONSTRUCTION DETAILS

Arch. Project No.: 15023
Civil Project No.: 15-0150 Checked by: TFC

C2.31

SANITARY SEWER STRUCTURE TABLE				
STRUCTURE NAME:	STRUCTURE TYPE	TOP	INVERT ELEV	NORTHING & EASTING
MH-1	EXISTING MANHOLE	127.25'	123.48' S 118.98' N	N: 9629.13 E: 15872.25
MH-2	SANITARY SEWER MANHOLE PER DETAIL ON C2.30	145.80'	137.18' N 136.88' E	N: 9329.44 E: 15863.62

SEE SHEET C3.11 FOR SEWER PROFILE



CITY OF ALACHUA OPERATIONS CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AA26002009



DANIEL H. YOUNG, P.E.
FL PE No. 70780

132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476
www.dhw-inc.com
CA-5075



Structural Engineers Group

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
Florida Certificate of Authorization #6523



2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



Buford Davis + Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

No. Description Date

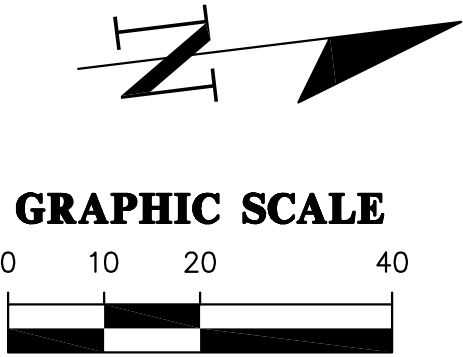
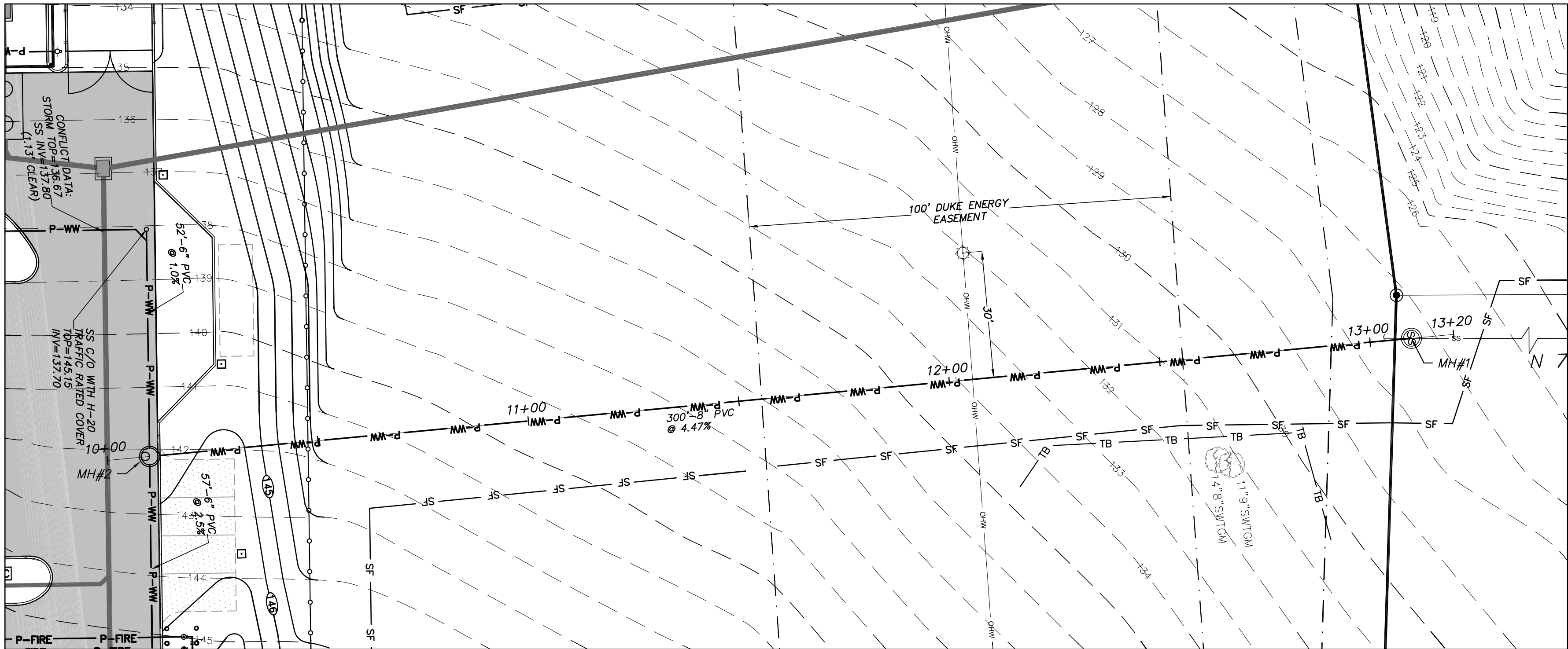
CONFORMANCE DOCUMENTS 09/23/2015

Drawing Title:

DETAILED UTILITY PLAN

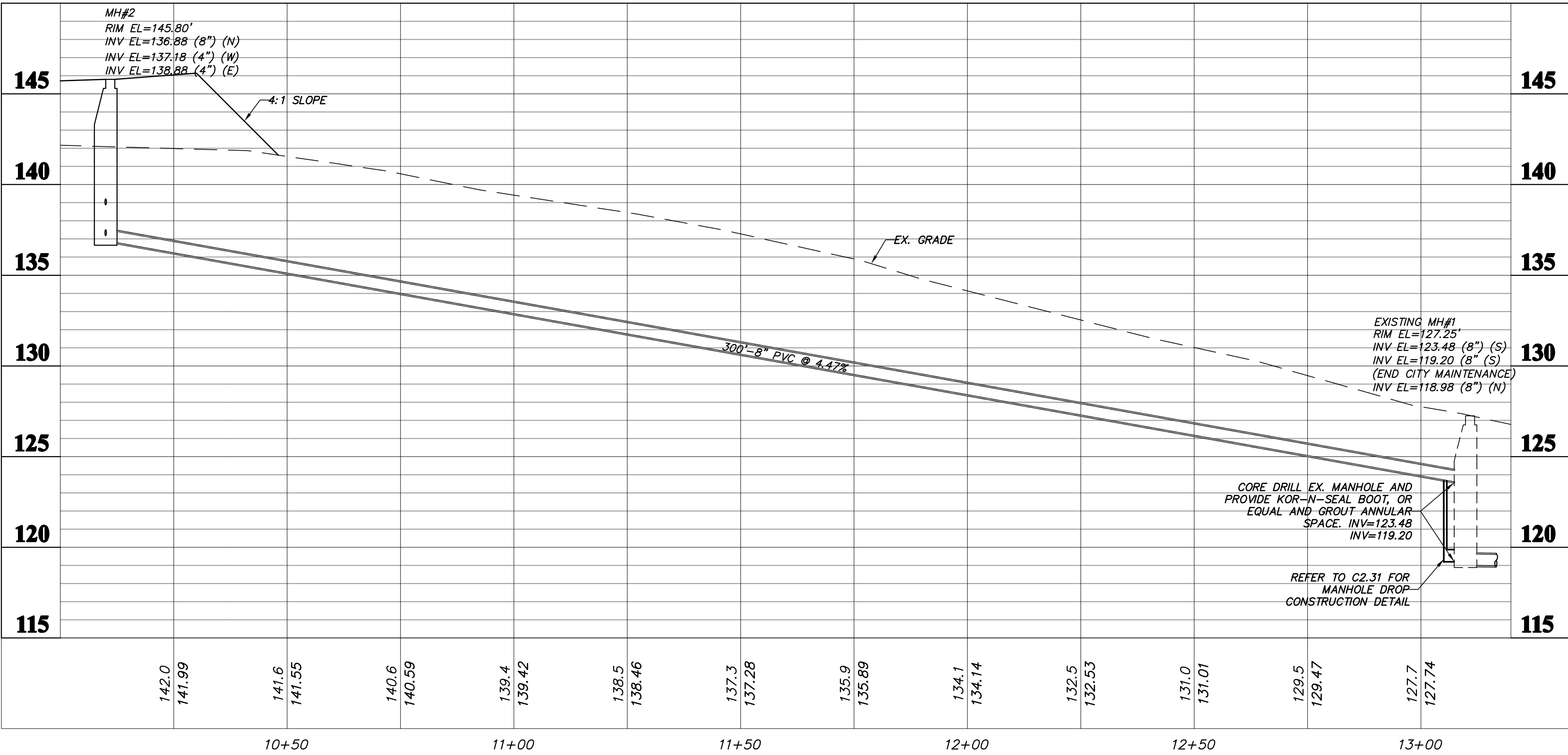
Arch. Project No.: 15023
Civil Project No.: 15-0150 Checked by: TFC

C3.10



PRIVATE SANITARY SEWER SERVICE

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



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OPERATIONS
CENTER

N.W. 104th Terrace
Alachua, FL 32615

WALKER
ARCHITECTS

4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6448
www.walker-arch.com
AA26002009

CHW
Professional Consultants

DANIEL H. YOUNG, P.E.
FL PE No. 70780

132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476
www.chw-inc.com
CA-5075

SEG
Structural Engineers Group
INCORPORATED

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
Florida Certificate of Authorization #6523

MA
MOSES & ASSOCIATES
ENGINEERING

2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186

bda
Buford Davis + Associates
landscape architects site planners

2406 NW 43rd Street
Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

No.	Description	Date
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CONFORMANCE DOCUMENTS	09/23/2015
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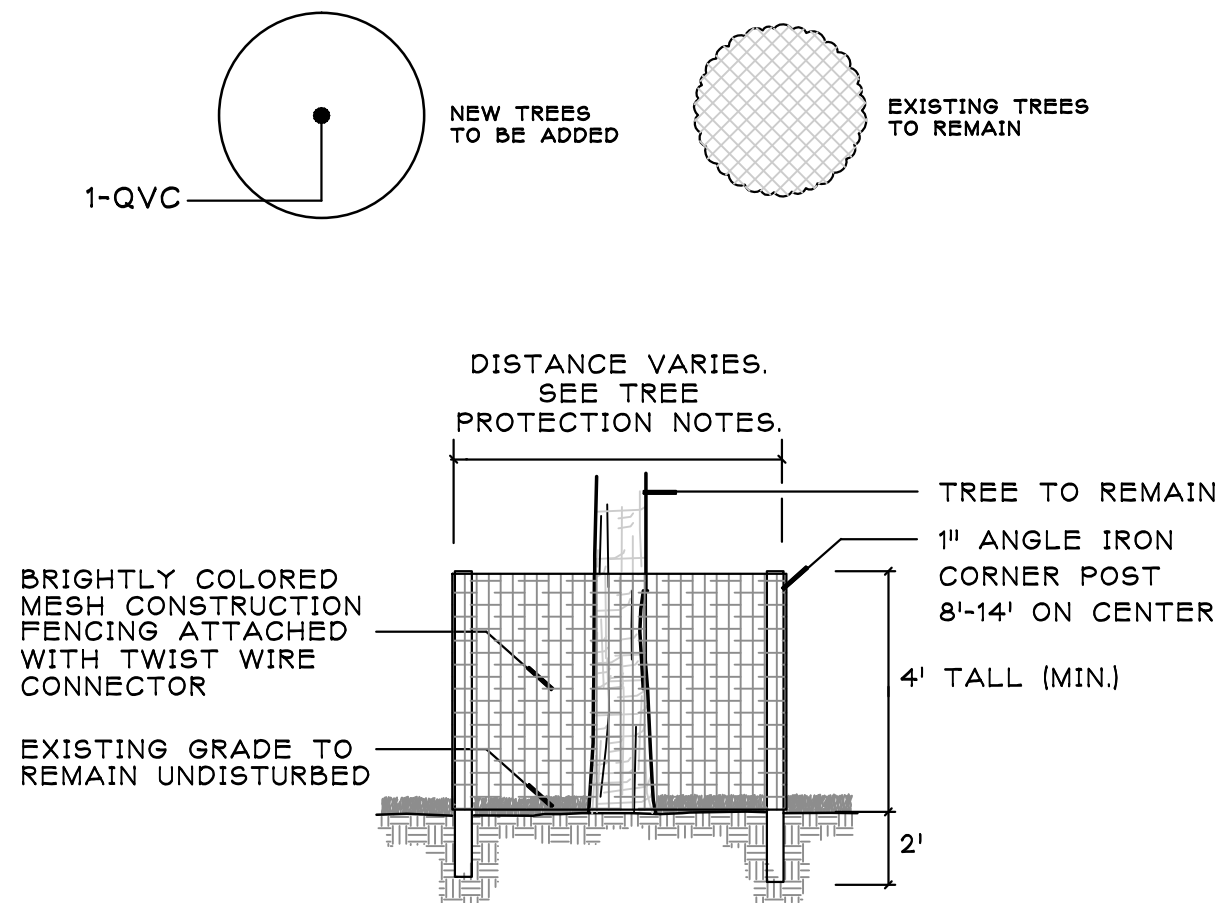
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SANITARY SEWER
PROFILE

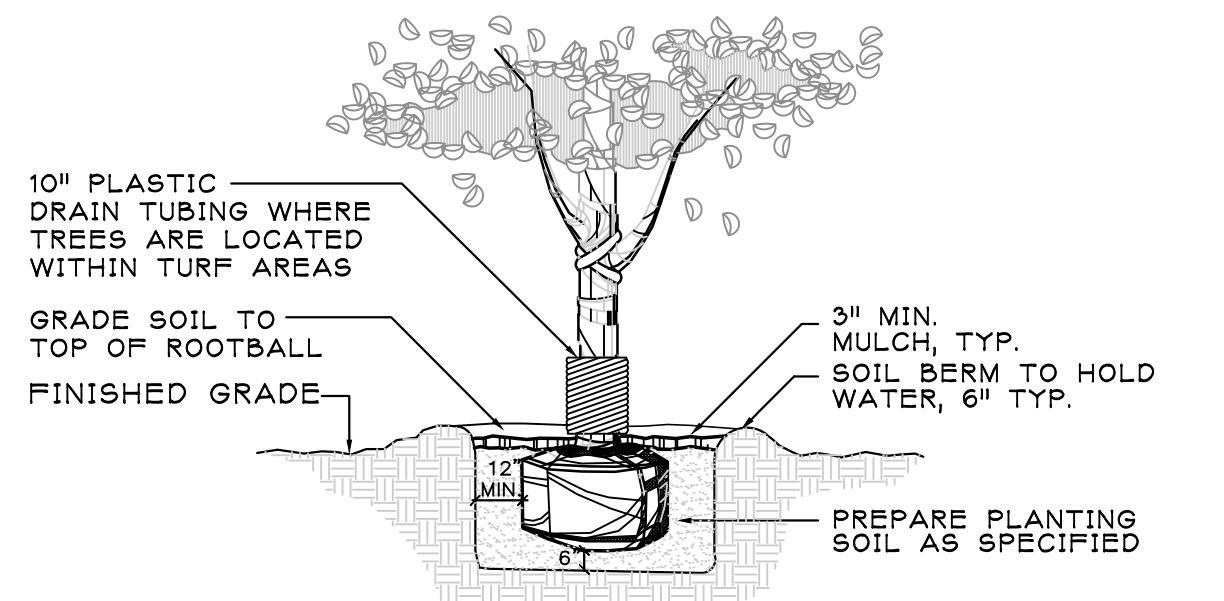
Arch. Project No.:	15023	Checked by:	TFC
Civil Project No.:	15-0150		

C3.11

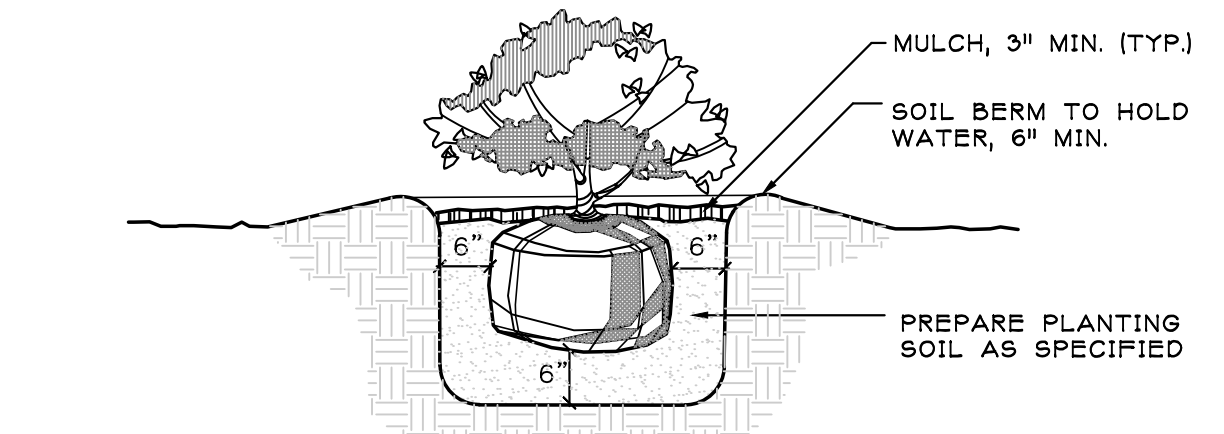
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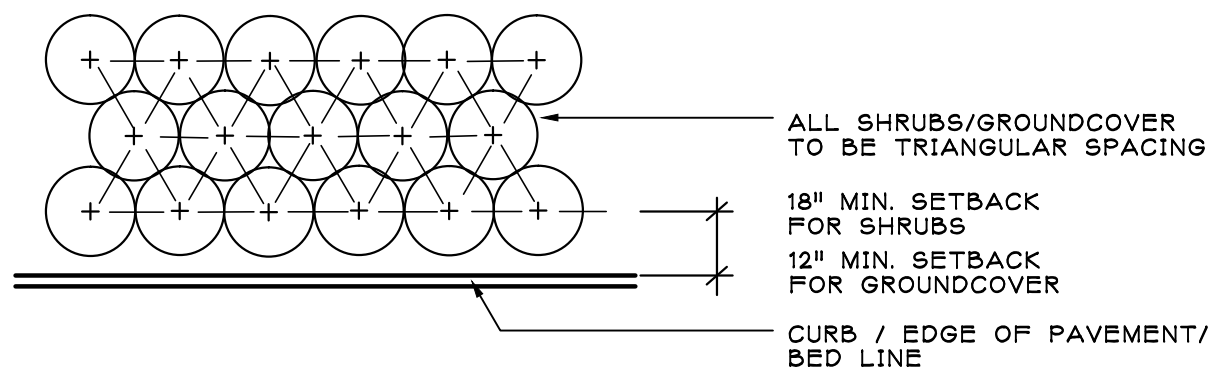
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L-101
TREE PROTECTION DETAIL
N.T.S.



2
L-101
TREE PLANTING DETAIL
N.T.S.

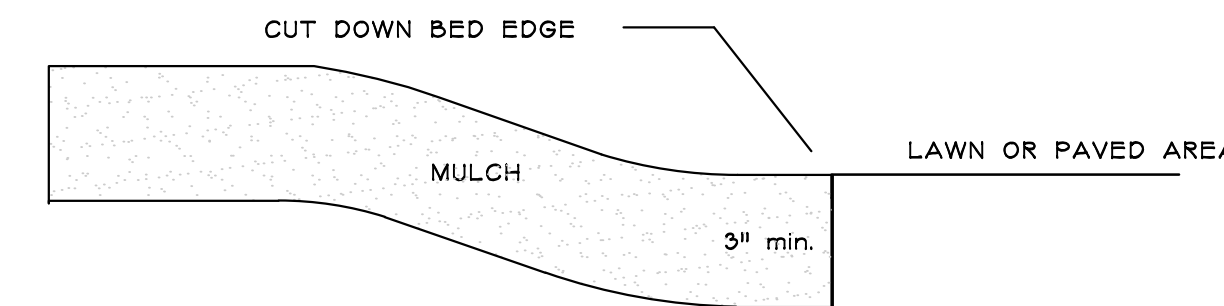


3
L-101
SHRUB PLANTING DETAIL
N.T.S.



NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

4
L-101
PLANT SPACING DETAIL
N.T.S.



5
L-101
MULCHING DETAIL
N.T.S.

TREE PROTECTION NOTES

PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL REGULATED TREES AT A MINIMUM OF TWO-THIRDS OF THE AREA OF THE DRIPLINE OF THE TREE OR STAND OF TREES AT SIX FEET FROM THE TRUNK OF THE TREE, WHICHEVER IS GREATER.

PROTECTIVE BARRICADES SHALL BE PLACED AT THE DRIPLINE OF ALL HERITAGE TREES, CHAMPION TREES, AND REGULATED PALM TREES.

PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL TREES TO BE RETAINED ON THE SITE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETE, EXCEPT WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE PROTECTED AREA.

IF LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE PROTECTED AREA, THEN THE PROTECTIVE BARRICADES SHALL ONLY BE REMOVED WHEN ACTIVITIES ARE OCCURRING. PROTECTIVE BARRICADES SHALL BE REPLACED UPON COMPLETION OF THE ACTIVITIES WITHIN THE PROTECTED AREA.

PROTECTIVE BARRICADES SHALL BE AT LEAST FOUR FEET HIGH AND CONSTRUCTED OF EITHER WOODEN CORNER POSTS AT LEAST TWO INCHES BY FOUR FEET BURIED ONE FOOT DEEP WITH AT LEAST TWO COURSES OF WOODEN SIDE SLATS AT LEAST ONE INCH BY FOUR FEET WITH COLORED FLAGGING OR COLORED MESH CONSTRUCTION FENCING ATTACHED OR CONSTRUCTED OF ONE INCH ANGLE IRON CORNER POSTS WITH BRIGHTLY COLORED MESH CONSTRUCTION FENCING ATTACHED.

NO ATTACHMENTS SHALL BE SECURED TO TREES DESIGNATED TO REMAIN ON SITE.

A THREE-INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF ANY EXPOSED ROOTS OF RETAINED REGULATED, HERITAGE, AND CHAMPION TREES AND KEPT WET DURING THE SITE CLEARING AND CONSTRUCTION PHASES.

DURING THE SITE CLEARING OR CONSTRUCTION PHASES, THE FOLLOWING ACTIVITIES SHALL BE PROHIBITED WITHIN THE PROTECTIVE AREA UNLESS APPROVED:

- THE CLEARING OF VEGETATION EXCEPT BY HAND;
- THE COMPACTION, FILLING, OR REMOVAL OF SOIL DEPOSITS;
- THE PLACEMENT OF DEBRIS;
- THE PLACEMENT OR DUMPING OF SOLVENTS OR OTHER CHEMICALS;
- THE PLACEMENT OR STORAGE OF CONSTRUCTION MATERIALS, MACHINERY OR OTHER EQUIPMENT OF ANY KIND; AND
- THE USE OF CONCRETE, ASPHALT, OR OTHER PAVING MATERIALS.

ANY RETAINED OR RELOCATED TREE SHALL BE REPLACED IF THE TREE DIES WITHIN ONE YEAR AFTER SITE CLEARING AND CONSTRUCTION.

ANY ROOT PRUNING AND/OR PRUNING OF RETAINED REGULATED, HERITAGE, AND CHAMPION TREES DURING THE SITE CLEARING OR CONSTRUCTION PHASES SHALL BE DONE IN ACCORDANCE WITH ARBORICULTURAL STANDARDS.

GENERAL PLANTING NOTES

ALL ASPHALT, LIMEROCK, AND CONSTRUCTION DEBRIS TO BE REMOVED FROM PLANTING BEDS AND AREAS TO BE SODDED PRIOR TO LANDSCAPE INSTALLATION. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3'. IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 5.5-6.5.

CANOPY TREES SHALL BE A MINIMUM OF EIGHT (8) FEET IN HEIGHT AND ORNAMENTAL OR UNDERSTORY TREES SHALL HAVE A MINIMUM CALIPER OF ONE AND A HALF (1.5) INCHES, UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT.

ALL TREES TO BE PLANTED 1"-2" ABOVE FINISHED GRADE.

ALL LANDSCAPED AREAS TO BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK "MINI NUGGET" MULCH SHALL BE USED IN ALL AREAS, EXCEPT RETENTION AREAS. PINE STRAW MULCH SHALL BE USED IN RETENTION AREAS.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES WILL NOT BE TOPPED OR PRUNED. TREES TO BE STAKED AS NEEDED, GUTLINES TO BE NON-SYNTHETIC BIODEGRADABLE MATERIAL.

ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PUBLISHED BY THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.

ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH NOXIOUS WEED AND TROPICAL SODA APPLE FREE SOD OR SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

SHRUBS AROUND ABOVE GROUND GAS TANK TO BE PLANTED IN FUTURE PHASE.

PARKING BUFFER LANDSCAPE REQUIREMENTS

Sec. 6.2.2[D](2)[b]: 4 Canopy & 2 Understory trees per 100 lin. ft.

Note: See sheet L-102 for Tree Preservation Credit Chart

PARKING PERIMETER LENGTH	TREE & SHRUB REQUIREMENTS	TREES & SHRUBS PROVIDED
150 L.F. Eastern Parking Perimeter	6 Canopy Trees	5 Canopy Trees Provided, 1 Tree Credit
	3 Understory Trees	1 Understory Tree Provided, 2 Tree Credits
	9 Trees Required	6 Total Trees Provided, 3 Tree Credit Used
	Continuous Evergreen Hedge	Continuous Evergreen Hedge Provided
50 L.F. Northern Parking Perimeter	2 Canopy Trees	2 Canopy Trees Provided
	1 Understory Trees	1 Understory Trees Provided
	3 Trees Required	3 Total Trees Provided
	Continuous Evergreen Hedge	Continuous Evergreen Hedge Provided

REQUIRED TREE MITIGATION

REGULATED TREE MITIGATION
REGULATED TREES REMOVED: 10 TREES
MITIGATION REQUIRED: TREE FOR TREE MITIGATION TOTALING 10 TREES
AT LEAST 50% OF THE TOTAL REPLACEMENT TREES SHALL BE CANOPY TREES AND AT LEAST 75% SHALL BE CHOSEN FROM RECOMMENDED TREE LIST PER 6.2.1[D](4)[b]
NOTE: ALL TREES TO BE COUNTED TOWARDS MITIGATION REPLACEMENT TREES ARE MARKED 'M' ON PLAN. TREES USED FOR MITIGATION ARE SEPARATE FROM AND IN ADDITION TO MINIMUM LANDSCAPE REQUIREMENTS.
MITIGATION PROVIDED: 10 TOTAL TREES = 5 CANOPY & 5 UNDERSTORY 5 CANOPY TREES / 10 TOTAL TREES = 50% 10 OF 10 = 100% PROPOSED TREES ARE ON THE RECOMMENDED LIST
HERITAGE TREE MITIGATION
HERITAGE TREES REMOVED: 0 TREES
MITIGATION REQUIRED: 0 TREES

INTERIOR PARKING AREA LANDSCAPE REQUIREMENTS

Sec. 6.2.2[D](2)[a]: 1 Canopy/Understory tree for every 2,000 S.F.; 10 shrubs for every tree.

PARKING AREA	TREE & SHRUB REQUIREMENTS	TREES & SHRUBS PROVIDED
PROPOSED PARKING AREA	11,210 S.F.	
	11,210 S.F./2000 S.F. = 6 Trees required	5 Trees Provided, 1 Tree Credit
	6 (trees) x 10 (shrubs) = 60 shrubs required	60 shrubs provided

10% OPEN SPACE AREA REQUIREMENT

CITY OF ALACHUA LDR SECTION 6.7.3 (A) STATES THAT THE MINIMUM OPEN SPACE SET-ASIDE SHALL BE 10% OF THE DEVELOPMENT SITE. THIS REQUIREMENT IS MET BY THE CALCULATIONS FOR 30% LANDSCAPE, SHOWN WITHIN CHART ON THIS SHEET, WHICH INCLUDE LANDSCAPED BUFFERS, BASINS, AND OTHER LANDSCAPED AREAS.

IRRIGATION

SEE SHEET IR-202 AND IR-203 FOR AUTOMATIC IRRIGATION SYSTEM IN ACCORDANCE WITH CITY OF ALACHUA LDR SECTION 6.2.2[D](6)[iv].

CITY OF ALACHUA
OPERATIONS
CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AA26002009



132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



Structural Engineers Group
INCORPORATED

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
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2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



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Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
	SITE PERMIT RESUBMITTAL	11/04/2015

CONFORMANCE DOCUMENTS 09/23/2015

DRAWING TITLE:

LANDSCAPE
DETAILS, NOTES,
AND
CALCULATIONS

WALKER PROJECT NO.: 15023
BDA PROJECT NO.: 15-045
CHECKED BY: CEM

L-101

NOTE:
TREE NUMBERS RELATE TO NUMBERS SHOWN ON
PLAN WITHIN CIRCLES NEXT TO EXISTING TREE

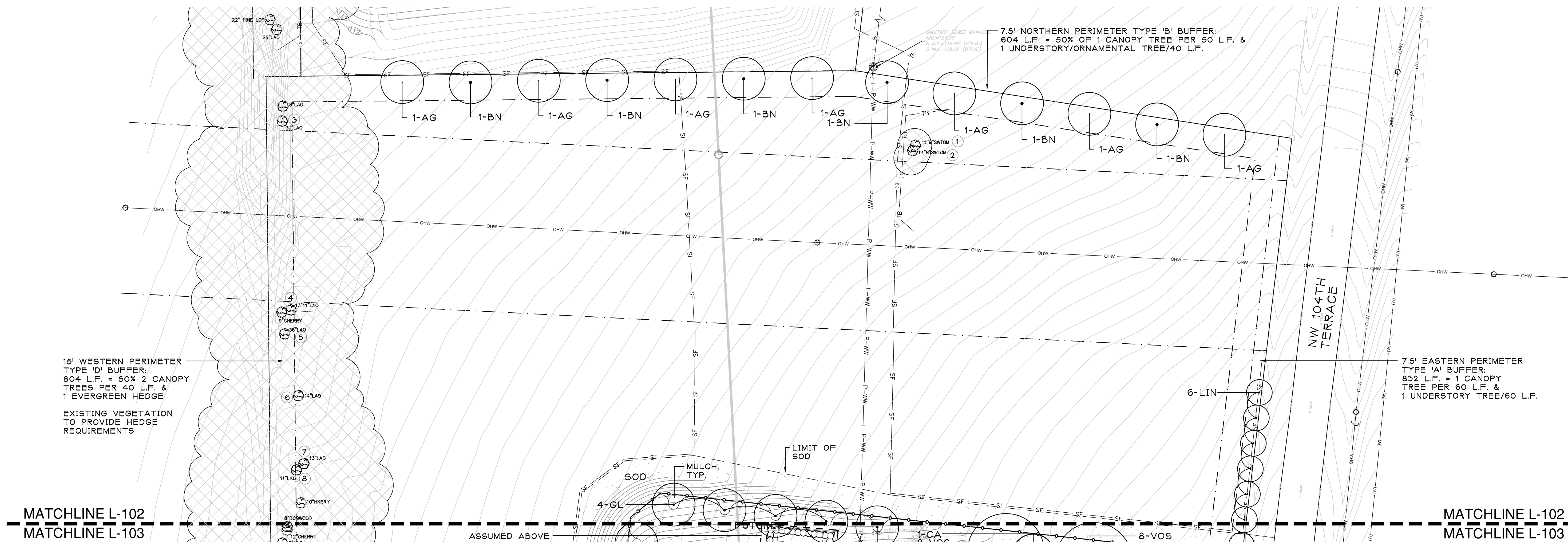
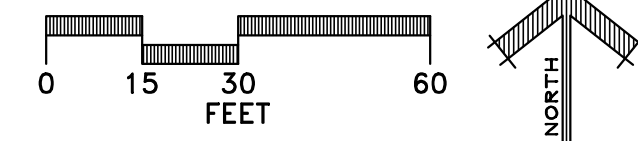
TREE NUMBER	TREE TYPE	DBH	CREDIT
1	SWEETGUM	11	2
2	SWEETGUM	14	3
3	LAUREL OAK	30	5
4	LAUREL OAK	13+11	3+2
5	LAUREL OAK	36	6
6	LAUREL OAK	14	3
7	LAUREL OAK	13	3
8	LAUREL OAK	11	2
9	SWEETGUM	13	3
10	SWEETGUM	13	3
11	LAUREL OAK	55	9
12	LAUREL OAK	13	3
13	LAUREL OAK	17	3
14	LAUREL OAK	20	4
15	LAUREL OAK	32	6
16	LAUREL OAK	42	7
17	LAUREL OAK	13	3
18	LAUREL OAK	16	3
19	LAUREL OAK	20	4
20	PALM	15	3
21	PALM	13	3
22	LAUREL OAK	14	3

TREE NUMBER	TREE TYPE	DBH	CREDIT
23	LAUREL OAK	26	5
24	LAUREL OAK	11	2
25	LAUREL OAK	15	3
26	LAUREL OAK	14	3
27	LAUREL OAK	25	5
28	LAUREL OAK	19	4
29	LAUREL OAK	21	4
30	LAUREL OAK	30	5
31	LAUREL OAK	50	9
32	LAUREL OAK	32	6
33	BAY	11	2+2
34	LOBLOLLY PINE	10	2
35	SWEETGUM	12	2
36	SWEETGUM	10	2
37	LONGLEAF PINE	20	4
38	LOBLOLLY PINE	13	3
39	LAUREL OAK	11	2+2
40	LAUREL OAK	10	2
41	LOBLOLLY PINE	15	3
42	LONGLEAF PINE	22	4
43	LONGLEAF PINE	16	3
44	CAMPBOR	10	2
TOTAL CREDITS:			167

See Tree Preservation Credit Chart, Civil Plans.

TOTAL TREE PRESERVATION CREDITS.....	167
TREE PRESERVATION CREDITS ALLOCATED.....	167
TREE PRESERVATION CREDITS REMAINING.....	0

<u>REFS</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>TREE TYPE</u>
AG	7	ACER RUBRUM 'OCTOBER GLORY' TM	OCTOBER GLORY MAPLE	15 GAL., 10' HT., 3' SPR., 2" CAL.	CANOPY
BN	11	BETULA NIGRA 'DURA HEAT'	DURA HEAT RIVER BIRCH	15 GAL., 10' HT., 3' SPR., 2" CAL.	UNDERSTORY
CA	3	CERCIS CANADENSIS 'ALBA'	WHITE EASTERN REDBUD	15 GAL., 9' HT., 3.5' SPR., 2" CAL.	UNDERSTORY
FA	8	FRAXINUS AMERICANA	WHITE ASH	15 GAL., 10' HT., 3' SPR., 2" CAL.	CANOPY
GL	20	GORDONIA LASIANTHUS	LOBLOLLY BAY	15 GAL., 8' HT., 28" SPR., 2" CAL.	CANOPY
LIN	17	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ' CRAPE MYRTLE, STANDARD	15 GAL., 9' HT., 3.5' SPR., 2" CAL.	UNDERSTORY
QVC	15	QUERCUS VIRGINIANA 'CATHEDRAL'	CATHEDRAL LIVE OAK	15 GAL., 8' HT., 28" SPR., 2" CAL.	CANOPY
<u>SHRUBS</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	
IDB	164	ILEX CORNUTA 'DWARF BURFORDI'	DWARF BURFORD HOLLY	3 GAL., 24" HT. X 16" SPR.	
RIA	106	RHAPHIOLEPIS UMBELLATA 'ELEANOR TABOR'	ELEANOR TABOR INDIAN HAWTHORN	3 GAL., 16" HT., 16" SPR.	
VO	167	VIBURNUM OODORATISSIMUM	SWEET VIBURNUM	7 GAL., 36" HT., 24" SPR.	
VOS	121	VIBURNUM OBOVATUM 'MRS. SHILLER'S DELIGHT'	MRS. SHILLERS DELIGHT VIBURNUM	3 GAL., 16" HT., 16" SPR.	
<u>SOD/SEED</u>		<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD	



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Alachua, FL 32615



132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



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Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
Florida Certificate of Authorization #6523



ENGINEERING
2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



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REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
	SITE PERMIT RESUBMITTAL	11/04/2015

CONFORMANCE DOCUMENTS
09/23/2015

DRAWING TITLE:

PLANT SCHEDULE AND LANDSCAPE PLAN

WALKER PROJECT NO.: 15023
BDA PROJECT NO.: 15-045 CHECKED BY: CEM

L-102

MATCHLINE L-102
MATCHLINE L-103

MATCHLINE L-102
MATCHLINE L-103

15' WESTERN PERIMETER
TYPE 'D' BUFFER:
804 L.F. = 50% 2 CANOPY
TREES PER 40 L.F. &
1 EVERGREEN HEDGE

EXISTING VEGETATION
TO PROVIDE HEDGE
REQUIREMENTS

7.5' EASTERN PERIMETER
TYPE 'A' BUFFER:
832 L.F. = 1 CANOPY
TREE PER 60 L.F. &
1 UNDERSTORY TREE/60 L.F.

ASSUMED ABOVE
GROUND GAS TANK.
SEE GENERAL
PLANTING NOTES.

LIMIT OF
SOD

LIMIT OF
SOD

7.5' EASTERN PERIMETER
TYPE 'A' BUFFER:
832 L.F. = 1 CANOPY
TREE PER 60 L.F. &
1 UNDERSTORY TREE/60 L.F.

15' SOUTHERN PERIMETER TYPE 'D' BUFFER:
610 L.F. = 50% OF 2 CANOPY TREES
PER 40 L.F. & 1 EVERGREEN HEDGE.

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OPERATIONS
CENTER

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Alachua, FL 32615



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F: 352.672.6468
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Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



Buford Davis & Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
1	SITE PERMIT RESUBMITTAL	11/04/2015

CONFORMANCE DOCUMENTS 09/23/2015

DRAWING TITLE:

LANDSCAPE PLAN

WALKER PROJECT NO.: 15023
BDA PROJECT NO.: 15-045
CHECKED BY: CEM

L-103

LANDSCAPE TECHNICAL SPECIFICATIONS

1.0 GENERAL

- 1.1 RELATED DOCUMENTS:
A. Drawings and general provisions Contract, including General and Supplementary Conditions and Specifications, apply this section.
- 1.2 SUMMARY: Includes but not limited to:
A. Trees
B. Shrubs
C. Plants
D. Groundcover
E. Lawns
F. Soil Amendments
G. Maintenance of Landscape Materials
- 1.3 QUALITY ASSURANCE:
A. Installer qualifications: Engage a Florida Certified Landscape Contractor (FCLC) who has completed landscape work similar in material, design, and extent to that indicated for this project and with a record of successful tree and shrub establishment and conforms to the following:
1. Landscape Contractor shall maintain FCLC certification under the auspices of the Florida Nursery, Growers, and Landscape Association (FNLGA);
2. Installer's Field Supervision: Require Installer to maintain an experienced full–time supervisor on the project site during times that tree and shrub planting is in progress.
- 1.4 SOURCE QUALITY CONTROL:
A. Do not make substitutions. If specified landscape material is not obtainable, submit proof of non–availability to Landscape Architect, together with proposal for use of equivalent material.
- 1.5 ANALYSIS AND STANDARDS:
A. Package standard products with manufacturer's certified analysis. For other materials, provide analysis by recognized laboratory made in accordance with methods established by AOAC International, wherever applicable.
- 1.6 TREES, SHRUBS, AND PLANTS:
A. Provide trees, shrubs, and plants of quality, size, genus, species, and variety shown and scheduled for landscape work and complying with recommendations and requirements of "Grades and Standards for Nursery Plants," published by the Florida Department of Agriculture and Consumer Services, Division of Plant Industries, latest edition. Provide healthy, vigorous stock, grown in recognized nursery in accordance with good horticultural practices and free of disease, insects, eggs, larvae, and defects such as knots, sun–scald, injuries, abrasions, or disfigurement.
- 1.7 INSPECTION:
A. The Landscape Architect may inspect trees and shrubs either at place of growth or at site before planting, for compliance with requirements for genus, species, variety, size, and quality. Landscape Architect retains the right to further inspect trees, shrubs, and groundcover for size and condition of balls and root systems, insects, injuries and latent defects, and to reject unsatisfactory or defective material at any time during the process of work. Remove rejected trees or shrubs immediately from project site.
- 1.8 SUBMITTALS:
A. Schedule of Values: Prior to the commencement of work, the Contractor shall submit installed unit prices for all: plant materials (mulch included in the the installed unit price of the plant), seeding, sodding, and/or sprigging. The schedule of values should equal the total contract price for landscape installation. Include plant sizes (gallage, height, spread, and caliper) as part of the schedule of values for all plant material.
B. Provide documentation of species and cultivars.
C. Maintenance Schedule: The Contractor shall submit typewritten instructions providing activities and procedures to be established by the Contractor for maintenance of landscape work for warranty period.
D. Written plant and grassing guarantee to cover warranty period.
E. A copy of current certificate as a Certified Landscape Contractor by the Florida Nursery Growers Association.
- 1.9 DELIVERY, STORAGE, AND HANDLING:
A. Packaged Materials: Deliver packaged materials in containers showing weight, analysis, and name of manufacturer. Protect materials from deterioration during delivery, and while stored at site.
B. Sod: Time delivery so that sod will be placed within 24 hours after stripping. Protect sod against drying and breaking of pieces.
C. Trees and Shrubs: Do not prune prior to delivery unless otherwise approved by the Landscape Architect. Do not bend or bind–tie trees or shrubs in such a manner as to damage bark, break branches, or destroy natural shape. Provide protective covering during delivery. Deliver trees and shrubs after preparations for plantings have been completed and plant immediately. If planting is delayed more than six (6) hours after delivery, set trees and shrubs in shade, protect from weather and mechanical damage, and keep roots moist by covering with mulch, burlap or other acceptable means of retaining moisture. Do not remove container grown stock from containers until planting time.
- 1.10 JOB CONDITIONS:
A. Utilities: Determine location of underground utilities. Contact Sunshine State One Call of Florida, Inc. as required by Chapter 556 of the Florida Statutes prior to excavation or planting. Perform work in a safe manner to avoid conflict and damage to existing utilities. Hand excavate as required. Maintain grade stakes set by others until removal is mutually agreed upon by all parties concerned. All trees shall be a minimum of 10 feet from utilities unless tree root barrier is installed. See tree root barrier detail.
B. When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, notify Landscape Architect before planting.
C. Weather: When weather conditions detrimental to plant growth are encountered or anticipated, notify Landscape Architect before planting.
- 1.11 SEQUENCING AND SCHEDULING:
A. Maintenance Period: Maintain all plantings during installation of work and until final acceptance by the Owner.
B. Coordination with Lawns: Plant trees, shrubs, and ground cover after final grades are established and prior to planting of lawns, unless otherwise acceptable to Landscape Architect. If planting of trees and shrubs occurs after lawn work, protect lawn areas and promptly repair damage to lawns resulting from planting operations.
- 1.12 PROJECT WARRANTY:
A. Warranty trees, shrubs, and groundcover for a period of twelve (12) months beyond the date of final acceptance against defects, including death and unsatisfactory growth, except for that resulting from neglect by Owner, abuse or damage by others, or unusual phenomena or incidents which are beyond Landscape Contractor's control.
B. Sodding shall be warranted in writing for a period of six (6) months from the date of final acceptance.
C. Remove and replace trees, shrubs, groundcover, and sod found to be dead or unhealthy condition during the warranty period. Replace trees, shrubs, and groundcovers which are unhealthy or dead at end of warranty period; unless, in opinion of Landscape Architect, it is advisable to extend warranty period for another full growing season.
D. Another warranty inspection will be conducted at the end of extended warranty period, if any, to determine acceptance or rejection.
E. Repair grades, lawns, paving, and any other damage resulting from replacement planting operations at no additional cost to Owner.

2.0 PRODUCTS:

- 2.1 DEEP FILL:
A. Provide new fill that is fertile, friable, sandy/loam soil, free of clay lumps, brush, weeds, weed seeds, and other litter, and free of roots, stumps, stones, and other extraneous or toxic matter harmful to plant growth.
B. Obtain soil from local sources or from areas having similar soil characteristics to that found at project site. Obtain soil only from naturally, well–drained sites.
- 2.2 MULCH:
A. Pine bark, small or 'Mini Nuggets', 1" – 3" size.
B. Gravel, #57 Stone, 3" depth, cut into grade. Gravel to be flush with adjacent grade. Install weed control fabric underneath.
- 2.3 COMMERCIAL FERTILIZER:
A. Complete fertilizer of neutral character, with some elements derived from organic sources and containing the following percentages of available plant nutrients:
1. For trees, shrubs, and groundcover – provide fertilizer wit not less than 3% percent total nitrogen, 9% percent available phosphoric acid and 6% percent soluble potash. Apply at manufacturer's recommended rate.
2. For lawns – provide fertilizer with not less than 16% percent total nitrogen, 4% percent available phosphoric acid and 8% percent soluble potash. Apply at manufacturer's recommended rate.
- 2.4 PLANT MATERIALS:
A. Quality: Provide trees, shrubs, groundcover, and other plants of size, genus, species, and variety shown and scheduled for landscape work and complying with Florida No. 1 quality standards.
- 2.5 GRASS MATERIALS:
A. Sod: Provide sand grown only, strongly rooted sod, not less than two (2) years old, free of weeds and undesirable native grasses, and machine cut to pad thickness of 3/4" inch (plus or minus 1/4" inch), excluding top growth and thatch. Provide only sod capable of vigorous growth and development when planted (viable, not dormant).
1. Provide sod of uniform pad sizes with a maximum 5% percent deviation in either length or width. Broken pieces or pads with uneven ends will not be acceptable. Sod pieces or pads incapable of supporting their own weight when suspended vertically with a firm grasp on upper 10% percent of pad will be rejected. Sod shall be harvested, delivered, and installed within a period of 24 hours.
B. Sod Fertilizer: Commercial grade 16–4–8 or approved equivalent.
- 2.6 GRAVEL:
A. #57 stone ($\frac{3}{4}$ " – 1 $\frac{1}{2}$ " size) that is clean and free of debris, soil, seeds or weeds, or noxious compounds.
- 2.7 GEOTEXTILE FABRIC:
A. 'SF 20' Typar geotextile fabric by DuPont or approved equal.
- 3.0 EXECUTION:
- 3.1 TRIMMING OF EXISTING TREES:
A. Contractor shall trim only those existing trees as noted on the plan or as approved by owner's representative and landscape architect. Trimming/pruning shall be done under the direct observation of a certified arborist and in accordance with the most current version of the American National Standard for tree care operations 'tree, shrub, and other woody plant maintenance (ANSI 300) and 'pruning, trimming, repairing, maintaining, and removing trees, and cutting brush safety requirements' (ANSI z133). Remove no more than 25% of the crown at one time. Review proposed trimming activities with owner's representative and Landscape Architect prior to activities/removal.
- 3.2 ROOT CUTTING WHERE REQUIRED BY SITE IMPROVEMENTS
A. Where roots greater than one (1) inch are damaged or exposed, they shall be cut cleanly and re–covered with soil within one hour of damage or exposure.
- 3.3 PREPARATION:
A. Lay out individual tree, shrub, and groundcover location and areas for multiple plantings. Outline areas and secure Landscape Architect's acceptance before start of planting work. Make minor adjustments as may be required.
- 3.4 PREPARATION OF PLANTING SOIL FOR TREES AND SHRUBBERY:
A. All asphalt, limestone, and construction debris to be removed from planting beds and areas to be sodded prior to landscape installation. Planting depth of soil in such areas should be at least 3'. If fill must be added, it must be Florida clean deep fill (free of weed seeds) with ph 5.5–6.5.
B. Before mixing, clean existing soil of roots, plants, sod, stones, clay, lumps and other extraneous materials harmful or toxic to plant growth.
C. Mix specified fertilizers with existing soil at rates specified. Delay mixing of fertilizer if planting will not follow placing of planting soil within three days.
D. Groundcover planting beds – Provide 3 lbs. of bed mix fertilizer, 3–9–6, per 100 sq. ft.
E. Backfill for trees and shrubs – Provide 3 lbs. of bed mix fertilizer per cu. yd. of backfill.
F. For planting groundcover beds mix planting soil either prior to planting or apply on surface of ground and mix thoroughly before planting.
- 3.5 PREPARATION FOR PLANTING LAWNS:
A. All disturbed and unpaved areas to be grassed with sod that is free of noxious weeds including tropical soda apple or shall be seeded and mulched. See civil site plans for additional related information.
B. Preparation of unchanged grades: Where lawns are to be planted in areas that have not been altered or disturbed by excavating, grading, or stripping operations, prepare soil for lawn planting as follows: Remove existing grass, vegetation, and turf. Spray with approved herbicide. Spot spray with herbicide again if weeds are still present. Do not turn existing vegetation over into soil being prepared for lawns.
C. Remove high areas and fill depressions. Grade soil to a homogeneous mixture of fine texture, free of lumps, clods, stones, roots, and other extraneous matter.
D. Allow for sod thickness in areas to be sodded.
E. Apply specified commercial fertilizer at rates specified and thoroughly mix into upper two (2) inches of existing soil. delay application of fertilizer if lawn planting will not follow within three days.
F. Fine grade lawn areas to smooth, even surfaces with loose, uniformly fine texture. Roll, rake, and drag lawn areas, remove ridges and fill depressions, as required to meet finish grades. Limit fine grading to areas which can be planted immediately after grading.
G. Moisten prepared lawn areas before planting if soil is dry. Water thoroughly and allow surface moisture to dry before planting lawns. Do not create a muddy soil condition.
H. Restore lawn areas to specified condition, if eroded or otherwise disturbed, after fine grading and prior to planting.
- 3.6 EXCAVATION FOR TREES AND SHRUBS:
A. Excavation pits, beds, and trenches with vertical sides and with bottom of excavation slightly raised at center to provide proper drainage. Loosen hard subsoil in bottom of excavation.
B. Fill excavations for trees and shrubs with water and allow water to percolate out prior to planting.
- 3.7 PLANTING TREES AND SHRUBS:
A. Set plant material stock on layer of planting soil mixture, plumb and in center of pit with top of ball one to two (1–2) inches above adjacent finish landscape grades. When set, place additional backfill around base and sides of ball, and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately $\frac{2}{3}$ full, water thoroughly before placing remainder of backfill. Repeat watering until no more is absorbed. Water again after placing final layer of backfill.
B. Dish top of backfill to allow for mulching.
C. Apply fertilizer.
D. Mulch pits, trenches, and planted areas. Provide not less than the following thickness of mulch, and work onto top of backfill and finish level with adjacent finish grades.
E. Provide three (3") inch thickness of mulch.
F. Remove and replace excessively pruned or misformed stock resulting from improper pruning.
G. Leader shoots and main structural limbs of trees will not be topped or pruned. Trees to be staked as needed, guylines to be non–synthetic biodegradable material.
H. Guy and stake trees immediately after planting, as needed. Contractor is responsible for ensuring trees maintain an upright and plumb position.

3.0 EXECUTION, continued

- 3.8 SODDING NEW LAWNS:
A. Lay sod within 24 hours from time of stripping.
B. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod strips; do not overlap. Stagger strips to offset joints in adjacent courses. Avoid damage to subgrade or sod. Anchor sod on slopes to prevent slippage, if needed.
C. Thoroughly water sod immediately after planting.
- 3.9 PLANTING GROUNDCOVER:
A. Triangle space groundcover plants as indicated or scheduled.
B. Dig holes large enough to allow for spreading of roots and backfill with planting soil. Work soil around roots to eliminate air pockets. Water thoroughly after planting, taking care not to cover crowns of plant with wet soils.
- 3.10 INSTALLATION OF GRAVEL:
A. Install gravel in locations as indicated on plans. Gravel to extend to landscape edges or building faces where shown. Gravel to extend a minimum of two feet beyond air conditioning units, transformers, generators, etc. Gravel to be installed at a 3" depth with geotextile fabric below.
B. Cut into grade to install gravel. Lay geotextile below gravel, continuous, and bend ends of fabric up at edges. Fabric should not be visible at grade.
C. Top of gravel to be flush with adjacent finished grade.
- 3.11 MAINTENANCE – PLANTINGS:
A. Contractor shall be responsible for (1) the survival of the landscaping elements for one year, and (2) removal of all staking systems within one year.
B. Begin maintenance immediately after planting.
C. Maintain trees, shrubs, groundcover, and other plants by pruning, cultivating, watering and weeding as required for healthy growth. Restore planting saucers. Tighten and repair stake and guy wire supports and reset trees and shrubs to proper grades of vertical position as required. Spray as required to keep trees and shrubs free of insects and disease.
D. Site should be weed–free at time of final completion. An additional inspection will be made at the end of the maintenance period. Site should also be weed–free at the end of the maintenance period.
- 3.12 MAINTENANCE – GRASSING:
A. Maintain seeded, sodded, and/or sprigged lawns until final acceptance by the Owner.
B. Maintain lawns by watering, fertilizing, weeding, mowing, trimming, and other operations such as rolling, gradings, and replanting as required to establish a smooth, acceptable lawn, free of eroded, bare, and/or weedy areas.
- 3.13 CLEANUP AND PROTECTION:
A. During landscape work, keep pavements clean and work area in an orderly condition.
- 3.14 TREE AND PLANT PROTECTION:
A. Protect landscape work and materials from damage due to landscape operations, operations by other contractors and trades, and trespassers. Maintain protection during installation and maintenance period. Treat, repair, or replace damaged landscape work.
B. Trees which are to remain in the construction area shall be protected from damage throughout the construction process by the Contractor.
C. Protect the tops, trunks, and roots of existing trees on the project site that are to remain. Existing trees subject to construction damage shall be boxed, fenced or otherwise protected before any work is started per details in plans. Remove protection only when authorized by Landscape Architect at substantial completion.
D. Do not permit heavy equipment or stockpiles within branch spread. Remove interfering branches without injury to trunks.
E. All roots of trees to remain that are impacted by excavation shall be exposed by hand digging and hand cut or sawn cleanly.
- 3.15 INSPECTION AND ACCEPTANCE:
A. When all landscape work is substantially complete, the Landscape Architect will, upon request, make a substantial completion inspection to determine acceptability and compliance with the Contract Documents. The Landscape Architect will produce a written punch list for the Contractor and Owner's Representative to identify items to be addressed prior to final acceptance.
B. Once items of the punch list are addressed, the Landscape Architect will conduct a final completion inspection. If necessary, the Landscape Architect will produce a final punch list for the Contractor and Owner's Representative to identify items to be addressed prior to final acceptance.
C. Final acceptance will not be issued until all punch list items have been completed and a reinspection by the Owner results in the Owner's acceptance of all items. Final acceptance will also not be issued until all required submittals have been delivered to the Owner in the formats specified.
D. Work may be inspected for acceptance in portions as phases of installation are completed and as agreeable to Landscape Architect, provided each portion of work offered for inspection is substantially complete.

END OF SECTION

CITY OF ALACHUA
OPERATIONS
CENTER

N.W. 104th Terrace
Alachua, FL 32615



132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
	SITE PERMIT RESUBMITTAL	11/04/2015

CONFORMANCE DOCUMENTS	09/23/2015
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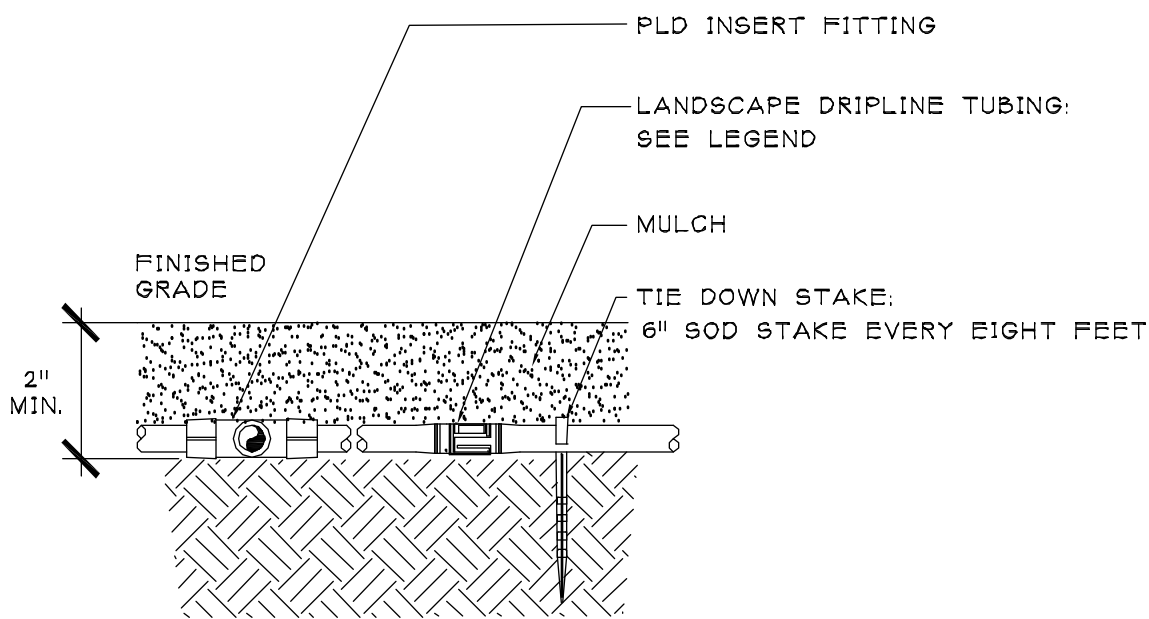
DRAWING TITLE:

LANDSCAPE PLAN
SPECIFICATIONS

WALKER PROJECT NO.:	15023	
BDA PROJECT NO.:	15-045	CHECKED BY: CEM

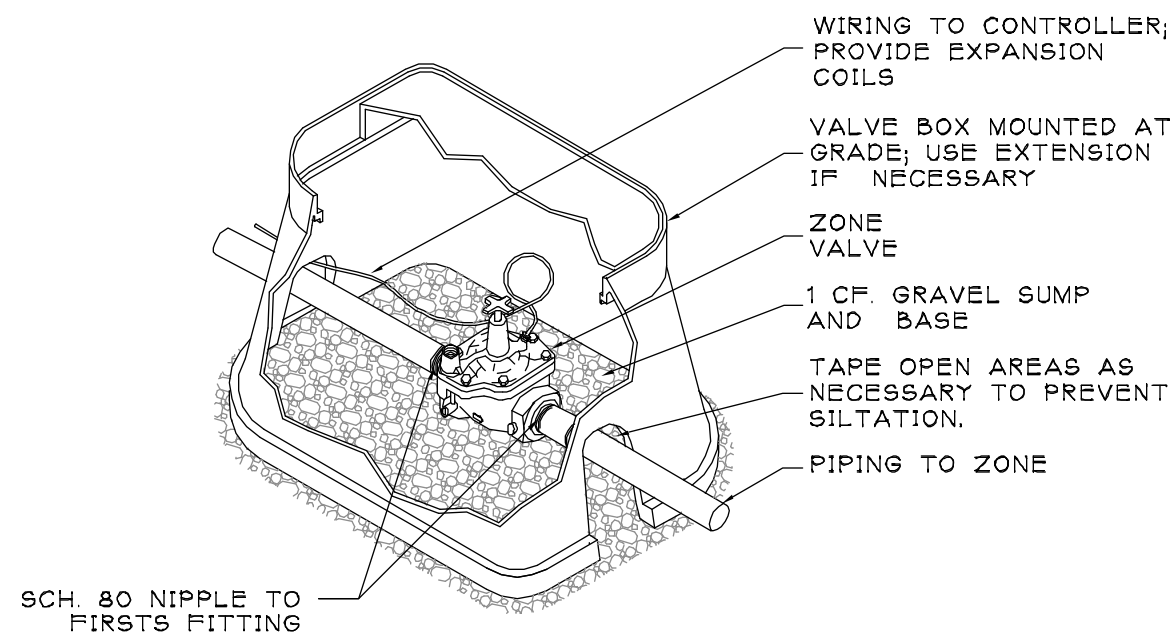
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1 DRIPLINE INSTALLATION DETAIL

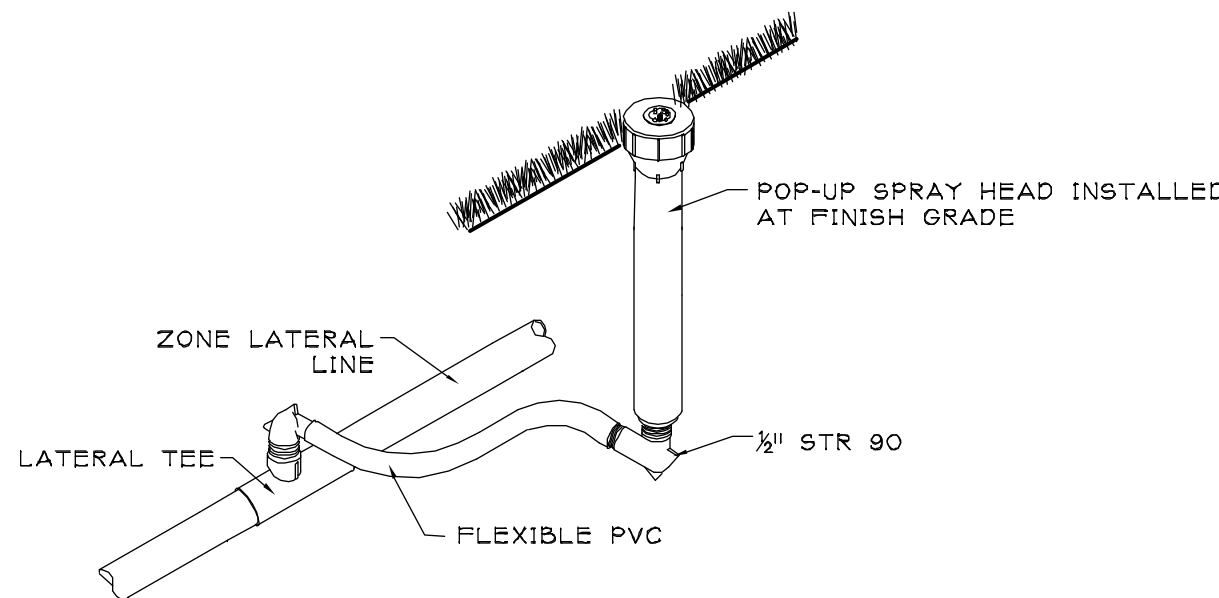
N.T.S.



INSTALL TOP OF VALVE A MAXIMUM OF 15" FROM FINISHED GRADE.

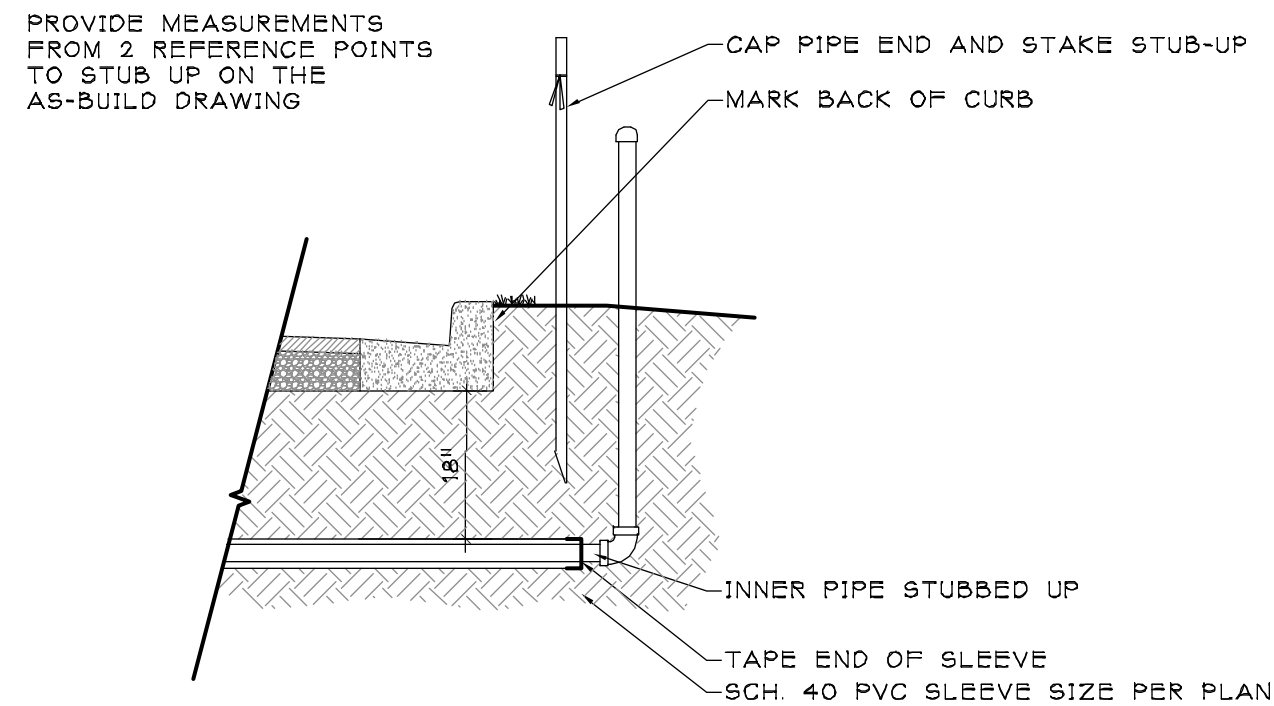
2 ZONE VALVE INSTALLATION DETAIL

N.T.S.



3 SPRAY HEAD INSTALLATION DETAIL

N.T.S.



4 SLEEVING ROUGH-IN DETAIL

N.T.S.

IRRIGATION TECHNICAL SPECIFICATIONS

1.0 GENERAL

- 1.1 SUMMARY: Includes but not limited to:
 - A. Furnishing and installing sprinkler system as described in Contract Documents complete with accessories necessary for proper functioning.
- 1.2 SYSTEM DESCRIPTION:
 - A. Design Requirements:
 1. Layout of Irrigation Heads:
 - a. Location of heads shown on Drawings is approximate. Actual placement may vary slightly as is required to achieve full, even coverage without spraying onto buildings, sidewalks, fences, etc.
 - b. During layout, consult with Landscape Architect to verify proper placement and make recommendations, where revisions are advisable.
- 1.3 QUALITY ASSURANCE:
 - A. Regulatory Requirements:
 1. Work and materials shall be in accordance with latest rules and regulations, and other applicable state or local laws. Nothing in Contract Documents is to be construed to permit work not conforming to these codes.
 - B. Pre-Installation Conference:
 1. Meet with Owner and Landscape Architect to discuss and clarify all aspects of job requirements prior to commencing work of this Section.
 - C. System Adjustments:
 1. Minor adjustments in system will be permitted to avoid existing fixed obstructions.
 2. Mainline, laterals, and valves are shown for clarity purposes only. All irrigation equipment to be with landscape area. Mainline, laterals and valves to be installed as far away from existing and new specimen trees as possible.
 - D. Documentation and submittal of actual water supply performance prior to commencing installation.
- 1.4 SUBMITTALS:
 - A. Record Drawings:
 1. Prepare an accurate as-built drawing as installation proceeds to be submitted prior to final inspection. Drawing shall include:
 - a. Detail and dimension changes made during construction.
 - b. Significant details and dimensions not shown in original Bidding Documents.
 2. Maintain, at job site, one copy of Contract Documents (as defined in General Conditions) and relevant shop drawings.
 3. Clearly mark each document "PROJECT RECORD COPY" and maintain in good condition for use of the Landscape Architect and Owner.
 4. As-built drawing shall be provided in PDF format.
 5. Submit product literature for all sprinklers, valves, pipe, wire, wire connectors and controller.
 6. Final payment for system will not be authorized until accurate and complete submittals are delivered to the Landscape Architect.
 - B. Instruction Manual:
 1. Provide instruction manual which lists complete instructions for system operation and maintenance.
- 1.5 PRODUCT STORAGE:
 - A. During construction and storage, protect materials from damage and prolonged exposure to sunlight.
- 1.6 WARRANTY:
 - A. Standard one (1) year warranty stipulated in General Conditions shall include:
 1. Completed system including parts and labor.
 2. Filling and repairing depressions and replacing plantings due to settlement of irrigation trenches for one (1) year following final acceptance.
 3. System adjustment to supply proper coverage to areas to receive water.
- 1.7 MAINTENANCE:
 - A. Extra Materials:
 1. In addition to installed system, furnish Owner with the following items at close-out:
 - a. Two sprinkler head bodies of each size and type.
 - b. Two nozzles for each size and type.
 - c. Two adjusting keys for each sprinkler head cover type.

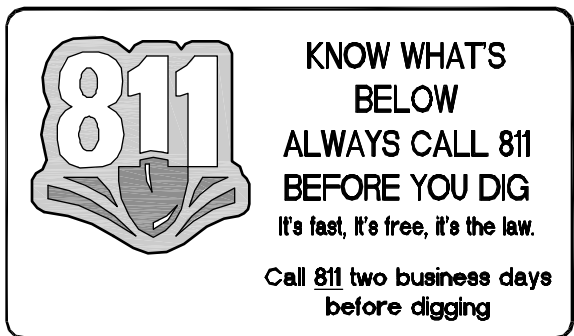
2.0 PRODUCTS

- 2.1 PIPE, PIPE FITTINGS, AND CONNECTIONS:
 - A. Pipe shall be continuously and permanently marked with Manufacturer's name, size, schedule, type, and working pressure.
 - B. Pipe:
 1. Pressure Lines: as indicated on plans.
 2. Lateral Lines: as indicated on plans.
 3. Risers: sch. 80 PVC, gray
 - C. Fittings:
 1. Schedule 40 PVC.
 - D. Sleeving:
 1. Schedule 40 PVC.
- 2.2 SPRINKLER HEADS:
 - A. Conform to requirements shown on Drawings as to type, radius of throw, pressure, and discharge.
- 2.3 AUTOMATIC SPRINKLER SYSTEM:
 - A. Control valves shall be of size and type indicated on Drawings.
 - B. Control wire shall be UL listed, color coded copper conductor direct burial size 14. Use 3M-DBY waterproof wire connectors at splices and locate all splices within valve boxes. Use white or gray color for common wire and other colors for all other wire. Each common wire may serve only one controller.
 - C. Add six extra control wires from panel to valves for future connection and mark them in the control box as an extra wires. These wires shall be of a different color than the others.
- 2.4 VALVES:
 - A. Electric Valves:
 1. Make and model shown on Drawings.
 - B. Gate valves:
 1. Bronze construction, angle type, 150 pound class, threaded connections, with cross-type operating handle designed to receive operating key.
 - C. Automatic Controller:
 1. Make and model shown on Drawings.
 - D. Backflow Preventor:
 1. Make and model shown on Drawings.
- 2.5 VALVE ACCESSORIES:
 - A. Valve Boxes:
 1. Ametek or Brooks rectangular heavy duty valve box with locking lid or Landscape Architect approved equal.
 2. Do not install more than one (1) valve in a single box.
 3. Valve boxes shall be large enough for easy removal or maintenance of valves.

3.0 EXECUTION

- 3.1 Preparation:
 - A. Protection:
 1. Work of others damaged by this section during course of its work shall be replaced or repaired by original installer at this section's expense.
- 3.2 Installation:
 - A. Trenching and Backfilling:
 1. Over-excavate trenches by two (2") inches and bring back to indicated depth by filling with fine, rock-free soil or sand.
 2. Cover pipe both top and sides with two (2") inches of material specified in paragraph above. in no case shall there be less than two (2") inches of rock-free soil or sand surrounding pipe.
 - B. Installation of Plastic Pipe:
 1. Install plastic pipe in a manner to provide for expansion and contraction as recommended by Manufacturer.
 2. Unless otherwise indicated on Drawings, install main lines with a minimum cover of eighteen (18") inches based on finish grade. Install lateral lines with a minimum cover of twelve (12") inches based on finish grade.
 3. Install pipe and wires under driveways or parking areas in specified sleeves a minimum of eighteen (18") inches below finish grade or as shown on Drawings.
 4. Locate no sprinkler head closer than twelve (12") inches from building foundation. Heads immediately adjacent to mowing strips, walks or curbs shall be one (1") inch below top of mowing strip, walk or curb and have a minimum of one (1") inch clearance between head and mowing strip, walk or curb.
 5. Drawings show arrangement of piping. Should local conditions necessitate rearrangement, obtain approval of Landscape Architect prior to proceeding with work.
 6. Cut plastic pipe square. Remove burrs at cut ends prior to installation so unobstructed flow will result.
 7. Make solvent weld joints in the following manner:
 - a. Clean mating pipe and fitting with clean, dry cloth and apply one (1) coat of P-70 primer To each.
 - b. Apply uniform coat of 711 solvent to outside of pipe.
 - c. Apply solvent to fitting in similar manner.
 - d. Reapply a light coat of solvent to pipe and quickly insert into fitting.
 - e. Give pipe or fitting a quarter turn to insure even distribution of solvent and make sure pipe is inserted to full depth of fitting socket.
 - f. Hold in position for fifteen (15) seconds minimum or long enough to secure joint.
 - g. Wipe off solvent appearing on outer shoulder of fitting.
 - h. Do not use an excessive amount of solvent thereby causing an obstruction to form on the inside of pipe.
 - i. Allow joints to set at least 24 hours before applying pressure to PVC pipe.
 8. Tape threaded connection with teflon tape.
 9. Install concrete thrust blocks wherever change of direction occurs a PVC main pressure lines unless otherwise detailed on Drawings.
 - C. Control Valves and Controller:
 1. Install controller, control wires, and valves in accordance with Manufacturer's recommendations and according to applicable electrical code.
 2. Install valves in plastic boxes with reinforced heavy duty plastic covers. Locate valve box tops at finish grade.
 3. Install remote control valves in valve boxes positioned over valve so all parts of valve can be reached for service. Set cover of valve box even with finish grade.
 4. Install all valve boxes over nine (9") inches of gravel for drainage.
 - D. Sprinkler Heads:
 1. Prior to the installation of sprinkler heads, open control valves and use full head of water to flush out system.
 2. Set sprinkler heads perpendicular to finish grade.
 3. Set lawn sprinkler heads adjacent to existing walks, curbs, and other paved areas to grade.
 - E. Dripline:
 1. Install 6" pop up spray and closed nozzle by drip zone control valves to be used as zone operation indicator.
 2. Stake dripline every eight feet with 6" sod staple.
- 3.3 ADJUSTMENT AND CLEANING:
 - A. Adjust heads to proper grade when turf is sufficiently established to allow walking on it without appreciable harm. Such lowering or raising of heads shall be part of the original contract with no additional charge to the Owner.
 - B. Adjust sprinkler heads for proper distribution and trim to ensure spray does not fall on building.
 - C. Adjust watering time of valves to provide proper amounts of water to all plants.
- 3.4 DEMONSTRATION:
 - A. After system is installed and approved, instruct Owners Representative in complete operation and maintenance.
- 3.5 INSPECTION AND ACCEPTANCE:
 - A. When all irrigation work is substantially complete, the Landscape Architect will, upon request, make a substantial completion inspection to determine acceptability and compliance with the Contract Documents. The Landscape Architect will produce a written punch list for the Contractor and Owner's Representative to identify items to be addressed prior to final acceptance.
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END OF SECTION



CITY OF ALACHUA OPERATIONS CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AA26007009



132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



Structural Engineers Group

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
Florida Certificate of Authorization #6523



2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



Buford Davis + Associates
Landscape Architects since 1978
2406 NW 43rd Street
Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
	SITE PERMIT RESUBMITTAL	11/04/2015

CONFORMANCE DOCUMENTS

09/23/2015

DRAWING TITLE:

IRRIGATION DETAILS AND NOTES

WALKER PROJECT NO.: 15023
BDA PROJECT NO.: 15-045
CHECKED BY: CEM

IR-201

CITY OF ALACHUA
OPERATIONS
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N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AA26002009



132 NW 76th Drive
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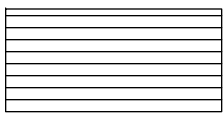











2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
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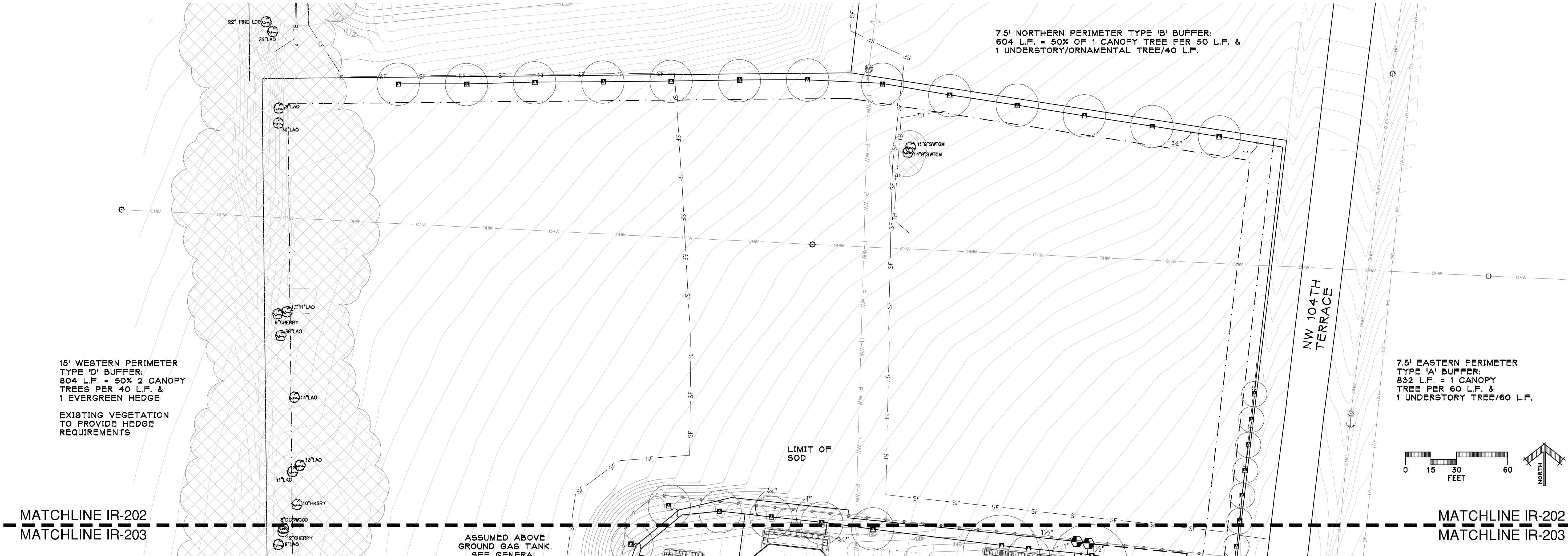


2406 NW 43rd Street
Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL	ARC	PSI	GPM	RADIUS
	Hunter PRO5-06-PR530 w/Maxjet ARC	90	30	0.40	5'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION				
	Area to Receive Dripline Hunter PLD-10-12 On-Surface Pressure Compensating Landscape Dripline. 0.9GPH emitters at 12.0' O.C. Dripline laterals spaced at 16.0' apart, with emitters offset for triangular pattern. UV Resistant.				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION				
	Hunter PGV-1CZ-101 in 24"L x 18"W Valve Box				
	Wilkins 975XL 1" Backflow Preventer				
	Hunter PC-600 6 Station Controller, Confirm location with Architect prior to mounting.				
	Hunter Miniclik Rain Sensor, Confirm location with Architect prior to mounting.				
	Water Meter 3/4" to produce 20 gpm @ 55 psi.				
	Future point of connection - Install six spare wires to this point.				
	Irrigation Lateral Line: PVC Class 160				
	Irrigation Mainline: PVC 1-1/2" Schedule 40				
	Pipe Sleeve: PVC Schedule 40 Extend sleeves 18 inches beyond edges of paving or construction.				

NOTE: THE ABOVE MODEL NUMBERS AND MANUFACTURER ARE PROVIDED AS A BASIS OF DESIGN. OTHER, EQUAL PRODUCTS BY RAIN BIRD AND TORO MAY BE CONSIDERED. SUBMIT INFORMATION AS REQUIRED WITHIN IRRIGATION TECHNICAL SPECIFICATIONS SECTION 1.4 SUBMITTALS FOR APPROVAL BY LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. THESE 'OR EQUAL' REQUESTS ARE TO BE SUBMITTED AND APPROVED DURING THE BIDDING PROCESS AND PRIOR TO SUBMITTAL OF FINAL BID.



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	SITE PERMIT RESUBMITTAL	11/04/2015

CONFORMANCE DOCUMENTS	09/23/2015
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DRAWING TITLE:

IRRIGATION
SCHEDULE AND PLAN

WALKER PROJECT NO.:	15023	CHECKED BY: CEM
BDA PROJECT NO.:	15-045	

IR-202

MATCHLINE IR-202
MATCHLINE IR-203

15' WESTERN PERIMETER
TYPE 'D' BUFFER:
804 L.F. = 50% 2 CANOPY
TREES PER 40 L.F. &
1 EVERGREEN HEDGE

EXISTING VEGETATION
TO PROVIDE HEDGE
REQUIREMENTS

ASSUMED ABOVE
GROUND GAS TANK.
SEE GENERAL
PLANTING NOTES.

LIMIT OF
SOD

COVERED
PARKING

WAREHOUSE

GRAVEL, SEE
SPECIFICATIONS

ADMINISTRATION
BUILDING

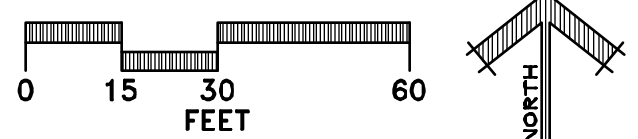
GRAVEL, SEE
SPECIFICATIONS

LIMIT OF
SOD

7.5' EASTERN PERIMETER
TYPE 'A' BUFFER:
832 L.F. = 1 CANOPY
TREE PER 60 L.F. &
1 UNDERSTORY TREE/60 L.F.

7.5' EASTERN PERIMETER
TYPE 'A' BUFFER:
832 L.F. = 1 CANOPY
TREE PER 60 L.F. &
1 UNDERSTORY TREE/60 L.F.

15' SOUTHERN PERIMETER TYPE 'D' BUFFER:
610 L.F. = 50% OF 2 CANOPY TREES
PER 40 L.F. & 1 EVERGREEN HEDGE.



CITY OF ALACHUA OPERATIONS CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.677.6468
www.walker-arch.com
AA26002009



132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



Structural Engineers Group

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.252.4000 F: 904.262.4100
Florida Certificate of Authorization #6523



2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



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T: 352.335.1896 F: 352.373.6407

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
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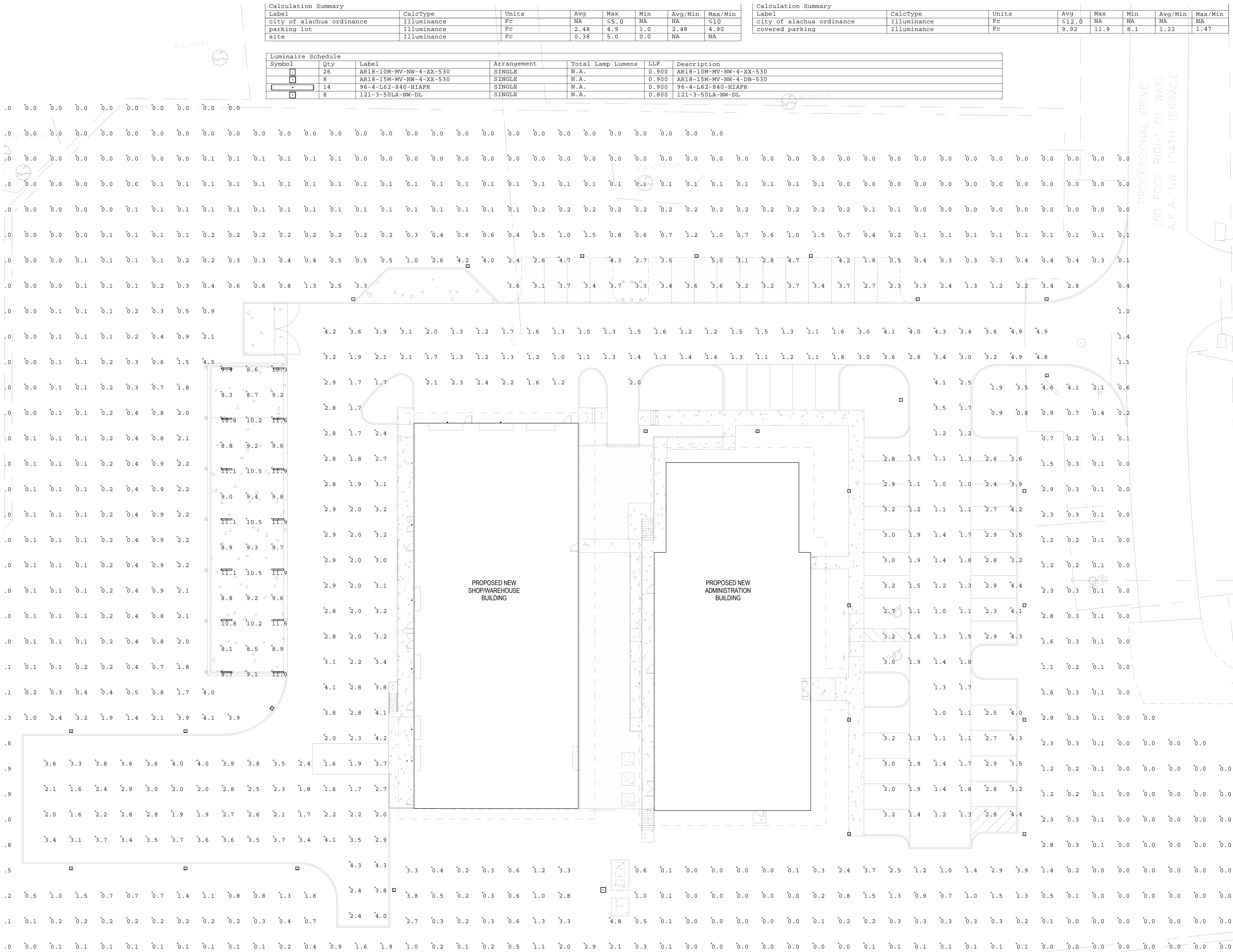
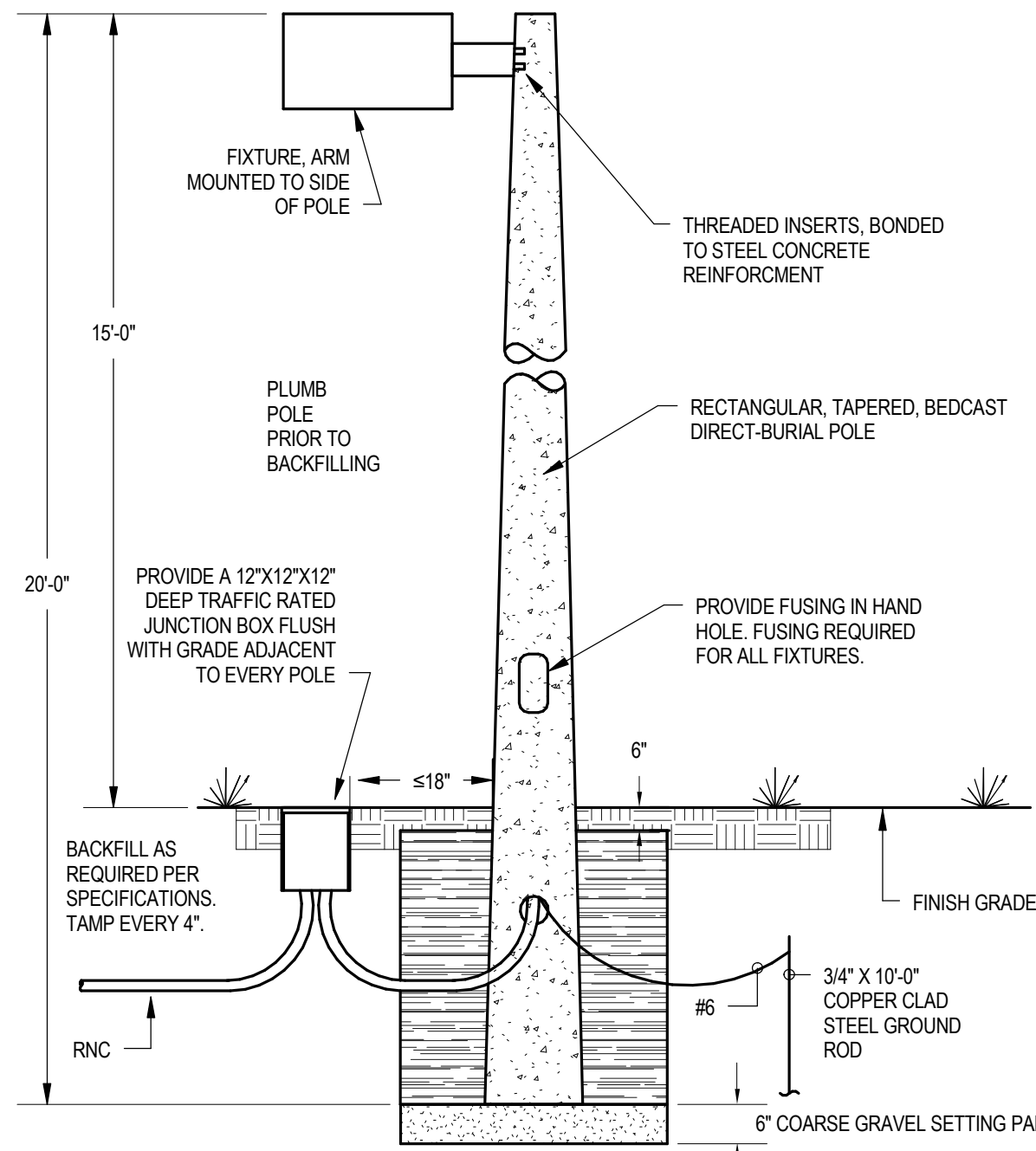
CONFORMANCE DOCUMENTS 09/23/2015

DRAWING TITLE:

IRRIGATION PLAN

WALKER PROJECT NO.: 15023
BDA PROJECT NO.: 15-045
CHECKED BY: CEM

IR-203



LIGHT FIXTURE SCHEDULE - SITE						
TAG	GENERAL DESCRIPTION	MANUFACTURER AND CATALOG NUMBER	LEDS LUMENS	INPUT WATTS	VOLTAGE	MOUNTING
WP	EXTERIOR WALL PACK	GARDCO 121 SCONCE 121-MT-50LA-NW-UNIV-COLOR BY ARCH	4000K	3000	50W	UNIV 120-277
WPE	EXTERIOR WALL PACK EMERGENCY	GARDCO 121 EMERGENCY SCONCE 121-EM-MT-50LA-NW-UNIV-COLOR BY ARCH	4000K	3000	50W	UNIV 120-277
4VPM	4" VAPORTIGHT MID-LUMEN	HE WILLIAMS "96" FULLY ENCLOSED INDUSTRIAL SERIES 96-4-L40/840-HIAFR-DRV-UNV OR EQUAL BY PHILIPS, COLUMBIA	4000K	4000	40W	UNIV 120-277
POLE	POLE MOUNTED FIXTURE & POLE	LEOTEK ARIETA AR18-10M-MV-NW-4-FINISH-530 WITH CONCRETE POLE	4000K	6150	62W	UNIV 120-277
NOTES	SEE SPECIFICATIONS FOR APPROVED BALLAST MANUFACTURERS. FIXTURES WITH HALF FILLED IN CENTER SHALL BE PROVIDED WITH A BATTERY PACK. APPROVAL SUBMITTALS FOR MANUFACTURERS NOT LISTED MUST BE SUBMITTED TO THE ENGINEER 14 DAYS PRIOR TO BID DATE FOR REVIEW. MANUFACTURERS NOT LISTED WILL NOT BE ACCEPTED UNLESS APPROVED BY ADDENDUM.					



CITY OF ALACHUA
OPERATIONS
CENTER

N.W. 104th Terrace
Alachua, FL 32615

WALKER
ARCHITECTS

4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.4448
F: 352.672.6468
www.walker-arch.com
AA26002009

CHW

Professional Consultants
132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476

SEG
Structural Engineers Group

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
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MA
MOSES & ASSOCIATES
ENGINEERING

MARK R. AKIN
PE - 0059242

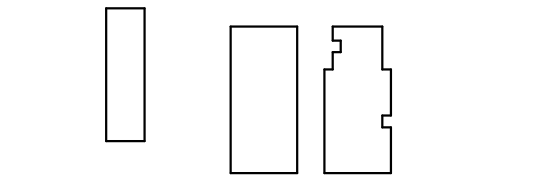
2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186

bd

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landscape architects site planners
2406 NW 43rd Street
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T: 352.335.1896 F: 352.373.6407

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

CONFORMANCE DOCUMENTS	09/23/2015
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N
1
KEY PLAN

DRAWING TITLE:

ELECTRICAL SITE
PHOTOMETRICS

PROJECT NO.: 15023 CHECKED BY: MRA

E102

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N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AA26002009

JOSEPH B. WALKER, AIA
LICENSE NO.: AR0017272



Professional Consultants
132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



Structural Engineers Group

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
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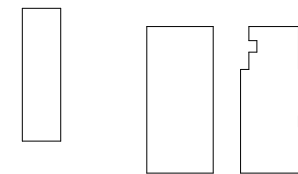


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REVISION SCHEDULE

NO.	DESCRIPTION	DATE
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CONFORMANCE DOCUMENTS	09/23/2015
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KEY PLAN

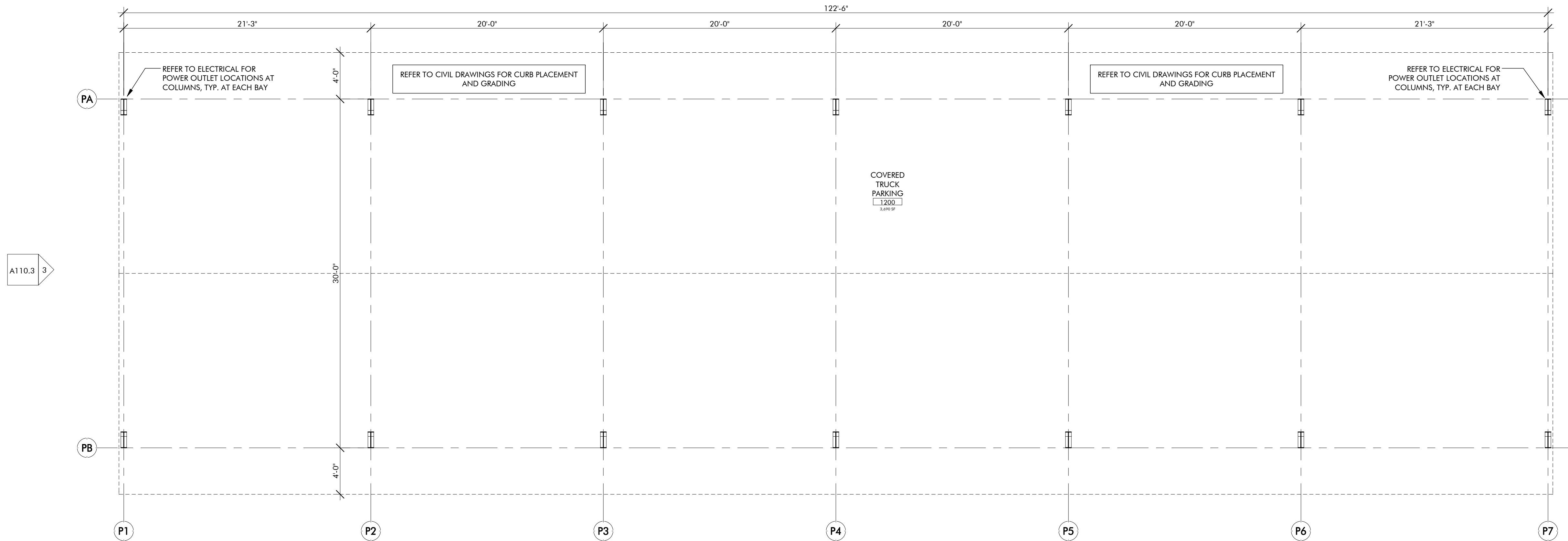
DRAWING TITLE:

COVERED PARKING FLOOR
PLAN AND ELEVATIONS

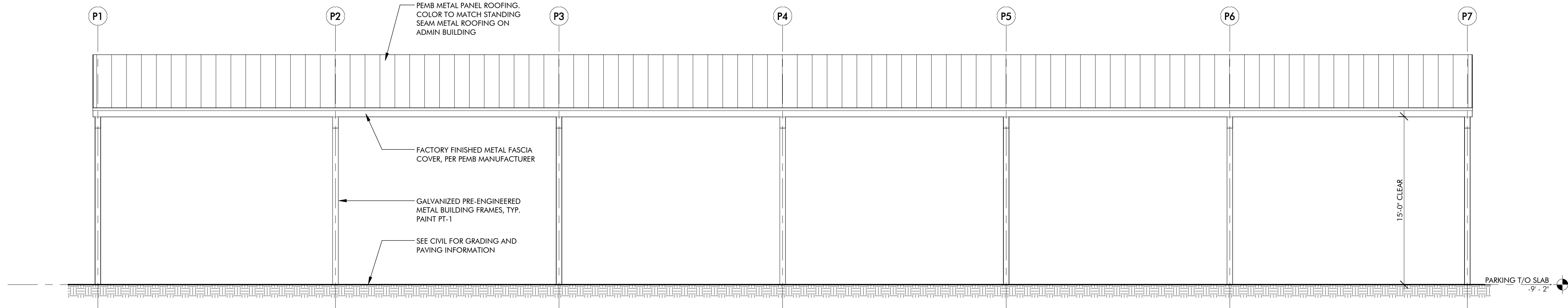
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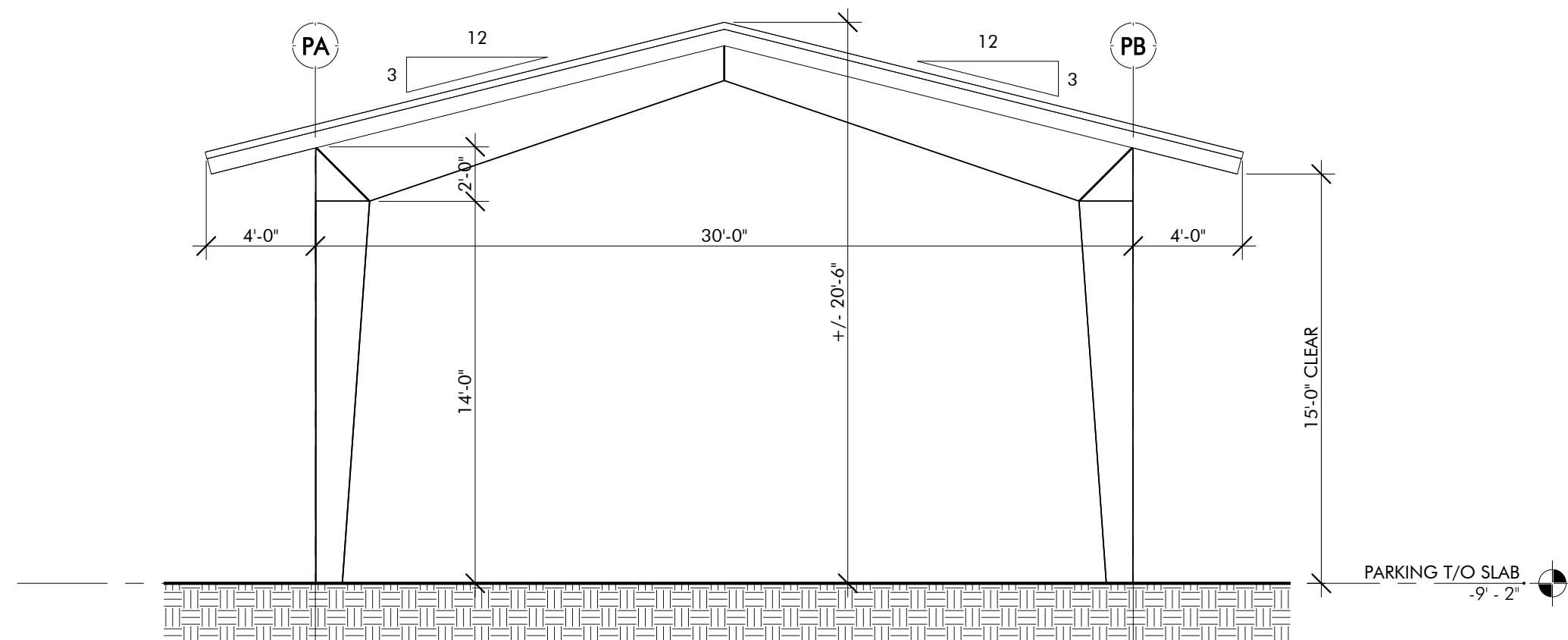
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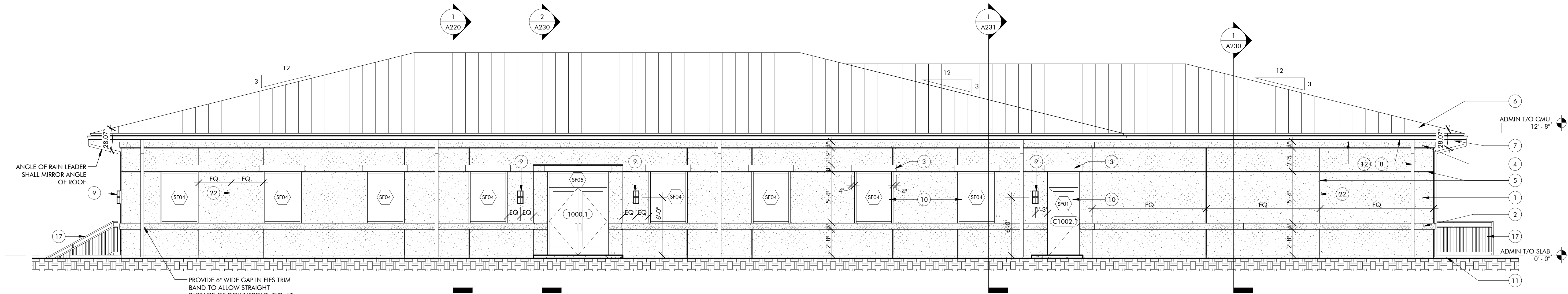
1 GROUND FLOOR PLAN - COVERED PARKING
STRUCTURE
3/16" = 1'-0"



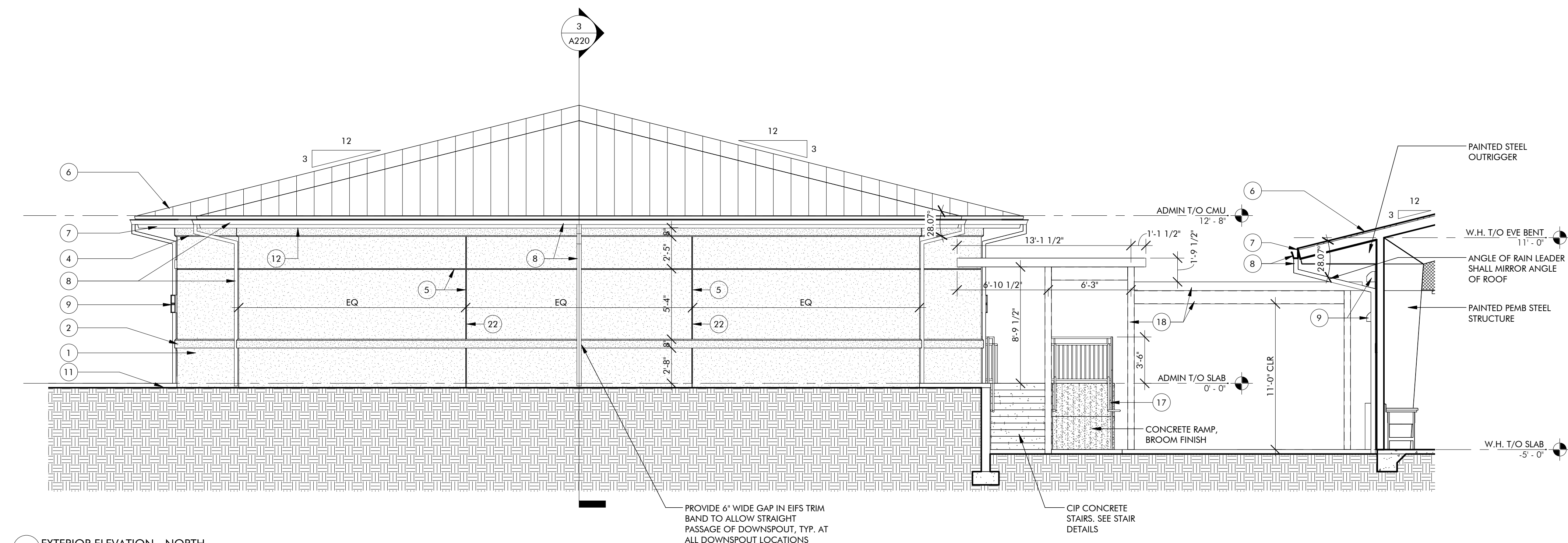
2 EXTERIOR ELEVATION - EAST / WEST
3/16" = 1'-0"



3 EXTERIOR ELEVATION - NORTH / SOUTH
3/16" = 1'-0"



1 EXTERIOR ELEVATION - EAST
3/16" = 1'-0"



2 EXTERIOR ELEVATION - NORTH
3/16" = 1'-0"

EXTERIOR ELEVATION NOTES ①

- SPECIFIED ACRYLIC PAINT ON STUCCO FINISH OVER CMU WALLS, AS SPECIFIED, TYP. PAINT PT-1.
- SPECIFIED ACRYLIC PAINT ON STUCCO FINISH OVER 2" X 8" EIFS TRIM BAND W/ 1" BEVELLED TOP EDGE, TYP. TAPER TOP TO DRAIN. PAINT PT-2.
- SPECIFIED ACRYLIC PAINT ON STUCCO FINISH OVER 2" X 8" EIFS HEAD TRIM, TYP. TAPER TOP TO DRAIN. PAINT PT-2.
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- CONT. 3/4" WIDE CLEAR ANODIZED ALUMINUM REVEALS, TYP.
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- EXTERIOR WALL SCONCE LIGHT FIXTURE, TYP. SEE ELECTRICAL.
- ALUMINUM STOREFRONT WINDOWS/DOORS AS SPECIFIED, TYP. SEE OPENING TYPE ELEVATIONS.
- FINISHED GRADE SLOPED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING ON ALL SIDES, TYP. SEE CIVIL.
- FACTORY FINISHED VENTED METAL SOFFIT BELOW OVERHANGS, AS SPECIFIED, TYP. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
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- FACTORY FINISHED PRE-ENGINEERED EXTRUDED ALUMINUM CANOPY AND STRUCTURE.
- 24" X 4" X 10" LAMINATED DOCK BUMPER (JULINE, H-1505 OR EQUAL).
- PAINTED GALVANIZED STEEL PROTECTION ANGLE. 8' LONG X 4" TALL X 4" WIDE X 3/16" GA EMBEDDED, TYP. CENTER OVER EACH SET OF DOCK BUMBERS. SEE EXTERIOR DETAILS.
- PAINTED GALVANIZED STEEL PIPE BOLLARDS. SEE EXTERIOR DETAILS.
- VINYL STUCCO CONTROL JOINT WITH REMOVABLE PROTECTIVE TAPE. VERIFY FINAL PLACEMENT OF ALL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
- FACTORY FINISHED METAL WALL PANELING, AS SPECIFIED, TYP. SEE MWP-1 ON FINISH LEGEND FOR FURTHER INFORMATION.
- FACTORY FINISHED METAL WALL PANELING, AS SPECIFIED, TYP. SEE MWP-2 ON FINISH LEGEND FOR FURTHER INFORMATION.
- EPOXY WEDGE ANCHOR 1/2" DIAMETER GALV. STEEL EYE BOLT INTO SOLID CONCRETE STEM WALL AT 24" ABOVE FINISHED GRADE, CENTERED BETWEEN ROLL-UP DOORS.

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N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AA26002009

JOSEPH B. WALKER, AIA
LICENSE NO.: AR0017272



Professional Consultants
132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



Structural Engineers Group

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
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2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186

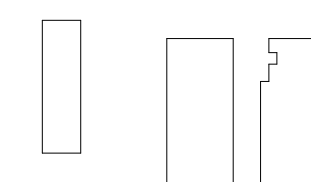


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REVISION SCHEDULE

NO.	DESCRIPTION	DATE
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CONFORMANCE DOCUMENTS 09/23/2015



KEY PLAN

DRAWING TITLE:

EXTERIOR ELEVATIONS -
ADMINISTRATION

PROJECT NO.: 15023 CHECKED BY: JBW

A210

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CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
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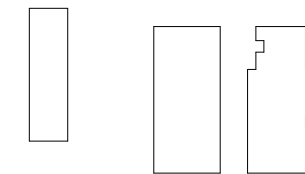


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CONFORMANCE DOCUMENTS 09/23/2015



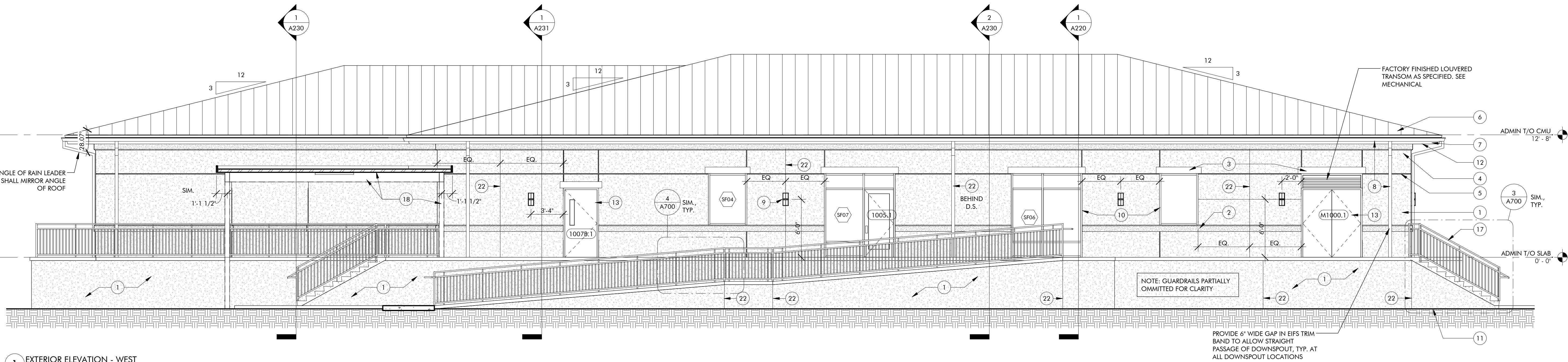
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EXTERIOR ELEVATIONS -
ADMINISTRATION

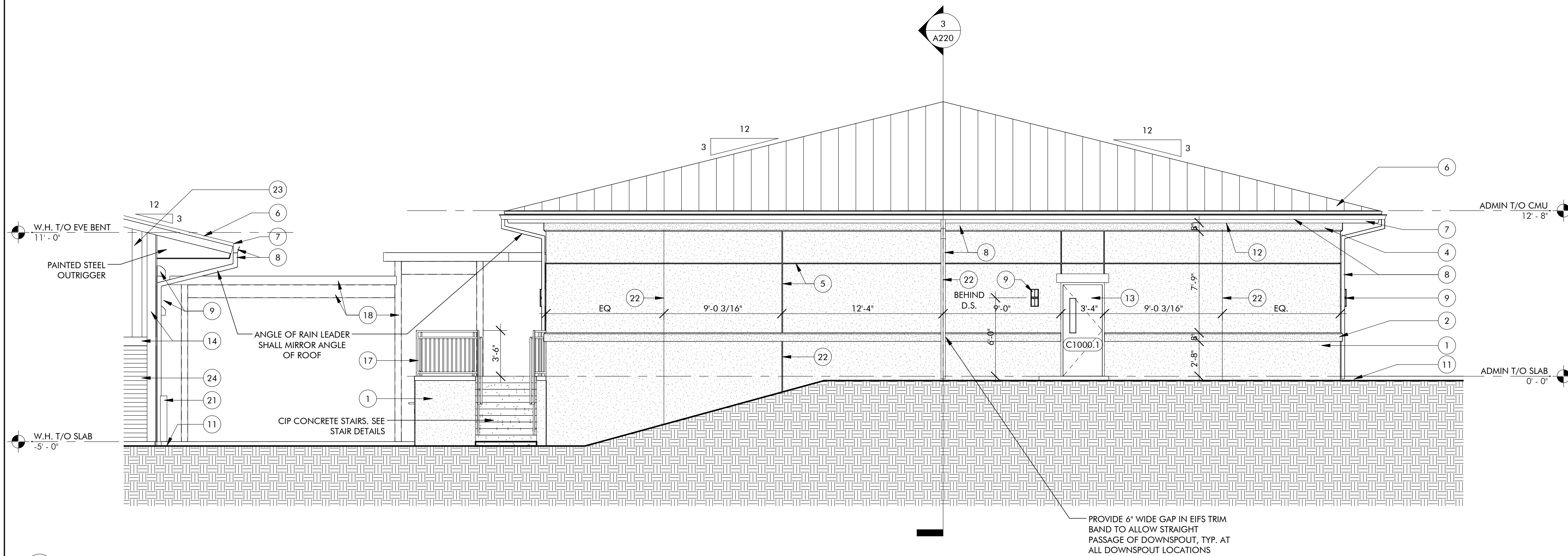
PROJECT NO.: 15023 CHECKED BY: JBW

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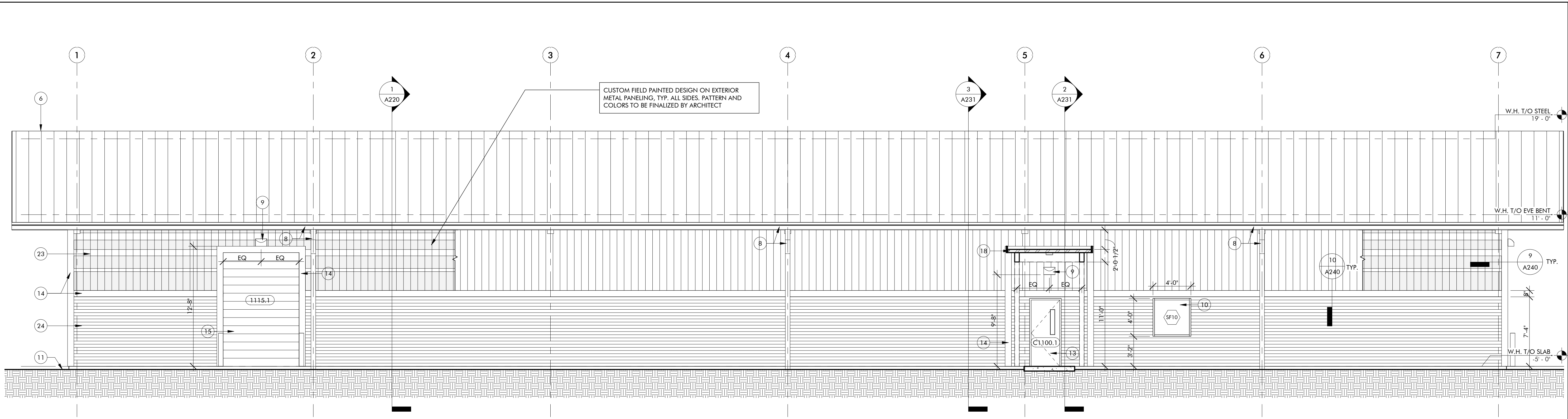
1 EXTERIOR ELEVATION - WEST
3/16" = 1'-0"



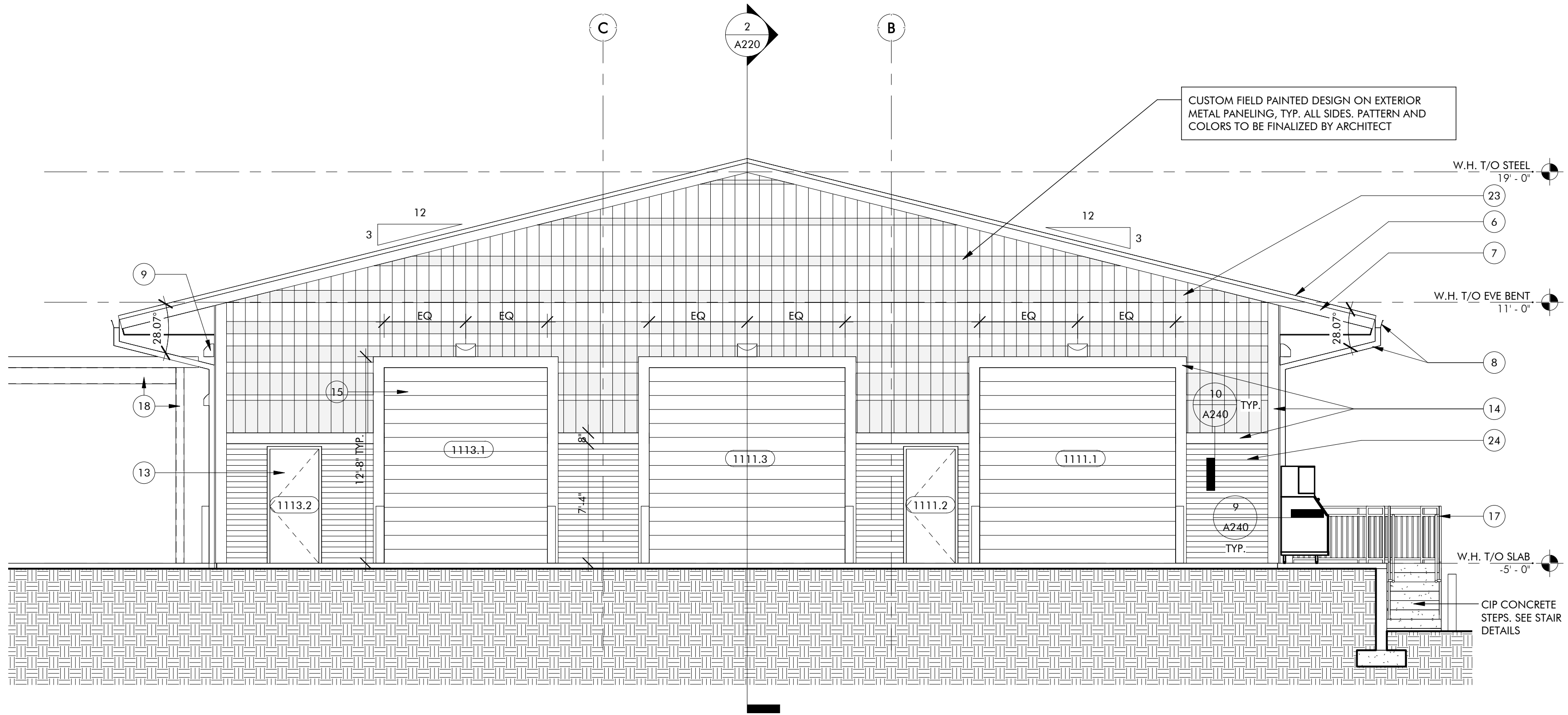
2 EXTERIOR ELEVATION - SOUTH
3/16" = 1'-0"

EXTERIOR ELEVATION NOTES 1

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1 EXTERIOR ELEVATION - EAST
3/16" = 1'-0"



2 EXTERIOR ELEVATION - NORTH
3/16" = 1'-0"

EXTERIOR ELEVATION NOTES ①

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- FACTORY FINISHED BRAKE METAL TRIM FLASHING AROUND ALL EXTERIOR OPENINGS, TYP. AT SHOP / WAREHOUSE BUILDING.
- POWDER COATED METAL GUARD RAILS AND RAILINGS, AS SPECIFIED. SEE STAIR AND RAILING DETAILS FOR FURTHER INFORMATION.
- FACTORY FINISHED PRE-ENGINEERED EXTRUDED ALUMINUM CANOPY AND STRUCTURE.
- 24" X 4" X 10" LAMINATED DOCK BUMPER (UJUNE, H-1505 OR EQUAL).
- PAINTED GALVANIZED STEEL PROTECTION ANGLE, 8" LONG X 4" TALL X 4" WIDE X 3/16" GA EMBEDDED, TYP. CENTER OVER EACH SET OF DOCK BUMPER. SEE EXTERIOR DETAILS.
- PAINTED GALVANIZED STEEL PIPE BOLLARDS. SEE EXTERIOR DETAILS.
- VINYL STUCCO CONTROL JOINT WITH REMOVABLE PROTECTIVE TAPE. VERIFY FINAL PLACEMENT OF ALL JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
- FACTORY FINISHED METAL WALL PANELING, AS SPECIFIED, TYP. SEE MWP-1 ON FINISH LEGEND FOR FURTHER INFORMATION.
- FACTORY FINISHED METAL WALL PANELING, AS SPECIFIED, TYP. SEE MWP-2 ON FINISH LEGEND FOR FURTHER INFORMATION.
- EPOXY WEDGE ANCHOR 1/2" DIAMETER GALV. STEEL EYE BOLT INTO SOLID CONCRETE STEAM WALL AT 24" ABOVE FINISHED GRADE, CENTERED BETWEEN ROLL-UP DOORS.

CITY OF ALACHUA OPERATIONS CENTER

N.W. 104th Terrace
Alachua, FL 32615

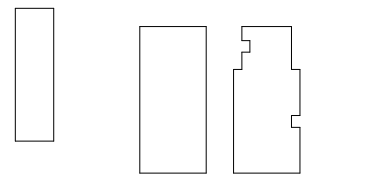


JOSEPH B. WALKER, AIA
LICENSE NO.: AR0017272



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

CONFORMANCE DOCUMENTS	09/23/2015
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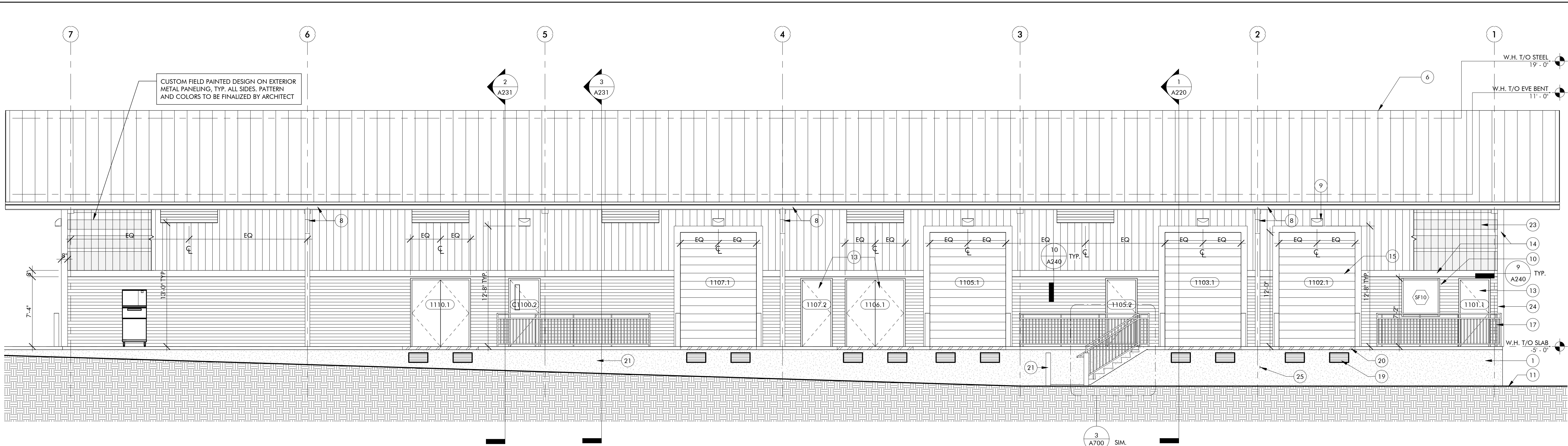


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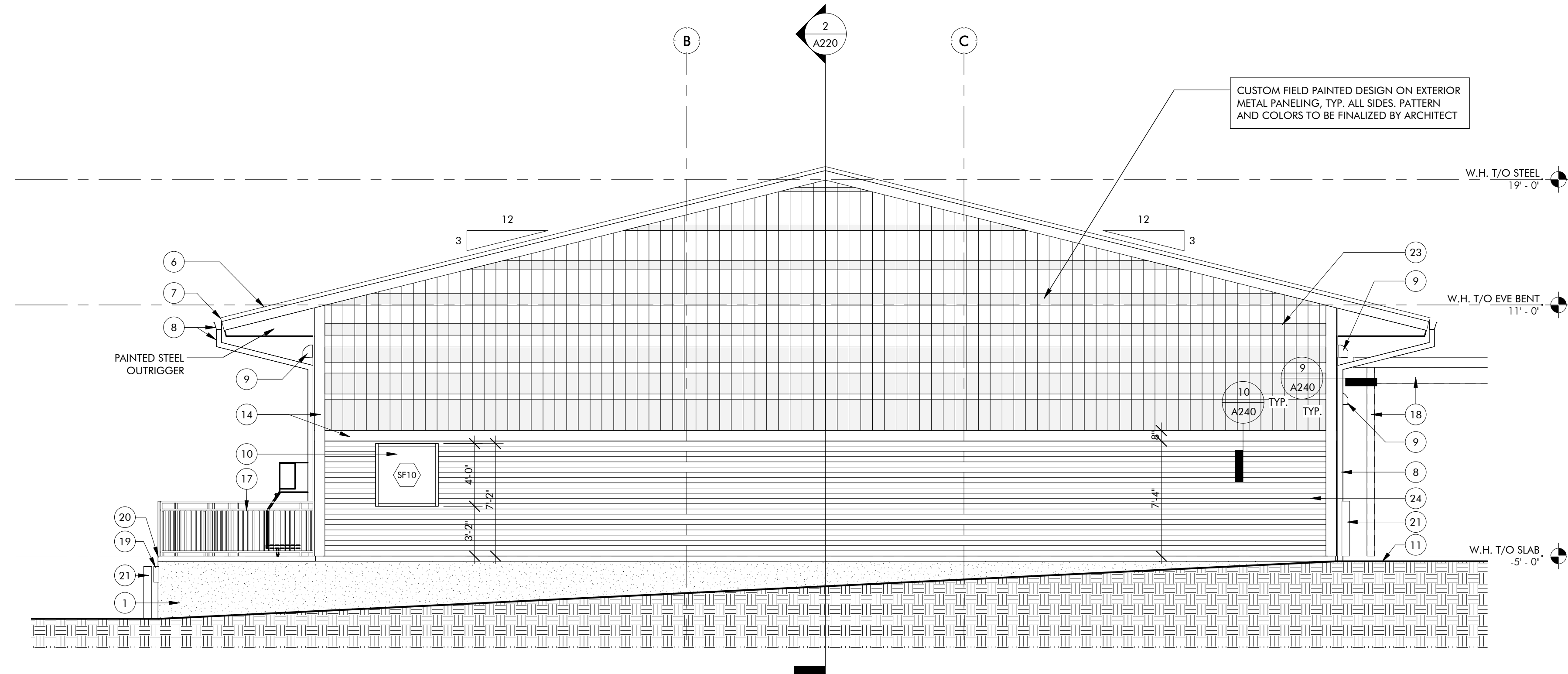
EXTERIOR ELEVATIONS -
SHOP / WAREHOUSE

PROJECT NO.: 15023 CHECKED BY: JBW

A212



1 EXTERIOR ELEVATION - WEST
3/16" = 1'-0"



2 EXTERIOR ELEVATION - SOUTH
3/16" = 1'-0"

EXTERIOR ELEVATION NOTES ①

- SPECIFIED ACRYLIC PAINT ON STUCCO FINISH OVER CMU WALLS, AS SPECIFIED, TYP. PAINT PT-1.
- SPECIFIED ACRYLIC PAINT ON STUCCO FINISH OVER 2" X 8" EIFS TRIM BAND W/ 1" BEVELLED TOP EDGE, TYP. TAPER TOP TO DRAIN, PAINT PT-2.
- SPECIFIED ACRYLIC PAINT ON STUCCO FINISH OVER 2" X 8" EIFS HEAD TRIM, TYP. TAPER TOP TO DRAIN, PAINT PT-2.
- SPECIFIED ACRYLIC PAINT ON STUCCO FINISH OVER 2" X 8" EIFS TRIM BAND W/ 1" BEVELLED BOTTOM EDGE, TYP. PROVIDE 2-1/2" GAP BETWEEN SOFFIT AND TOP OF BAND, PAINT PT-2.
- CONT. 3/4" WIDE CLEAR ANODIZED ALUMINUM REVEALS, TYP.
- FACTORY FINISHED STANDING SEAM METAL ROOF, AS SPECIFIED, TYP. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
- FACTORY FINISHED BRAKE METAL FASCIA WRAP, AS SPECIFIED, TYP. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE. SPACE JOINTS EQUALLY ACROSS LENGTH OF FASCIA.
- FACTORY FINISHED SEAMLESS BEVELED PROFILE GUTTERS AND PLAIN RECTANGULAR DOWNSPOUTS, AS SPECIFIED, TYP. SEE ROOF PLANS FOR SIZE. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE. CONNECT TO STORM WATER COLLECTION SYSTEM BELOW GRADE PER CIVIL DOCUMENTS. SEE EXTERIOR DETAILS FOR FURTHER INFORMATION.
- EXTERIOR WALL SCONCE LIGHT FIXTURE, TYP. SEE ELECTRICAL.
- ALUMINUM STOREFRONT WINDOWS/DOORS AS SPECIFIED, TYP. SEE OPENING TYPE ELEVATIONS.
- FINISHED GRADE SLOPED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING ON ALL SIDES, TYP. SEE CIVIL.
- FACTORY FINISHED VENTED METAL SOFFIT BELOW OVERHANGS, AS SPECIFIED, TYP. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
- PAINTED FIBERGLASS DOOR AND FRAME, AS SPECIFIED. SEE OPENING TYPE ELEVATIONS, DOOR AND HARDWARE SCHEDULES FOR FURTHER INFORMATION.
- FACTORY FINISHED BRAKE METAL TRIM WITH 8" EXPOSED FACE AND CONCEALED FASTENING FLANGES, AS SPECIFIED, TYP. SEE MWP-4 ON FINISH LEGEND FOR COLOR SELECTION.
- FACTORY FINISHED INSULATED ROLL-UP DOORS, AS SPECIFIED, TYP. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE. REFER TO DOOR SCHEDULE FOR FURTHER INFORMATION.
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CITY OF ALACHUA OPERATIONS CENTER

N.W. 104th Terrace
Alachua, FL 32615



4055 NW 43rd Street, Suite 28
Gainesville, FL 32606
T: 352.672.6448
F: 352.672.6468
www.walker-arch.com
AA26002009

JOSEPH B. WALKER, AIA
LICENSE NO.: AR0017272



Professional Consultants
132 NW 76th Drive
Gainesville, FL 32607
T: 352.331.1976 F: 352.331.2476



Structural Engineers Group

4114 Sunbeam Road, Building 200
Jacksonville, FL 32257
T: 904.262.4000 F: 904.262.4100
Florida Certificate of Authorization #6523



2209 NW 40th Terrace, Suite A
Gainesville, FL 32605
T: 352.372.1911 F: 352.372.0186



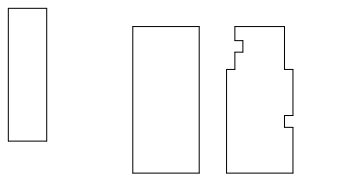
Buford Davis + Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, FL 32606
T: 352.335.1896 F: 352.373.6407

REVISION SCHEDULE

NO.	DESCRIPTION	DATE
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CONFORMANCE DOCUMENTS

09/23/2015



KEY PLAN

DRAWING TITLE:

EXTERIOR ELEVATIONS -
SHOP / WAREHOUSE

PROJECT NO.: 15023

CHECKED BY: JBW

A213

