

TOWN OF CHESHIRE

Bartlem Park South - Phase I

520 SOUTH MAIN STREET, CHESHIRE, CONNECTICUT 06410



SEALS	CERTIFYING PROFESSIONALS	DRAWINGS
	DANIEL P. BIGGS, ISA, CERP REGISTERED LANDSCAPE ARCHITECT WESTON & SAMPSON 1 WINNERS CIRCLE, SUITE 130 ALBANY, NY 12205	SHEETS L001 - L100 SHEETS L201 - L504 SHEETS L800 - L802 SHEETS L904 - L906 SHEETS L910 - L913
	JOSEPH S. PERUGINI, P.E. REGISTERED PROFESSIONAL ENGINEER WESTON & SAMPSON 712 BROOK STREET, SUITE 103 ROCKY HILL, CT 06067	SHEETS L200 SHEET L600 - L700 SHEETS L901 - L903 SHEETS L907 - L909
	DANIEL G. TENNEY III, AIA REGISTERED ARCHITECT WESTON & SAMPSON ARCHITECTS, INC. 85 DEVONSHIRE STREET BOSTON, MA 02109	SHEETS A101 - A202
	BOB BANNING, P.E. PRINCIPAL / CHIEF ELECTRICAL ENGINEER SILVER / PETRUCELLI + ASSOCIATES 3190 WHITNEY AVENUE, HAMDEN, CT. 06518-2340	SHEETS E-1 - E-7

BID DOCUMENTS BID #2223-14

ADD ALTERNATES:

ADD ALTERNATE NO.1:
UNDER ADD ALTERNATE NO. 1, THE CONTRACTOR SHALL INSTALL THE SPECIFIED BAND SHELL STRUCTURE, ELECTRICAL, ARCHITECTURAL ACOUSTIC WALL AND RELATED APPURTENANCES NEEDED TO HAVE A COMPLETE AND FULLY OPERATIONAL STRUCTURE.

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BARTLEM PARK SOUTH MASTER PLAN
- FOR ILLUSTRATIVE PURPOSES ONLY -

JANUARY 11, 2023

Prepared By



Weston & Sampson Engineers, Inc.
712 Brook Street, Suite 103
Rocky Hill, CT 06067

860-513-1473 800.SAMPSON
www.westonandsampson.com

OWNER:
TOWN OF CHESHIRE
SEAN KIMBALL - TOWN MANAGER
84 SOUTH MAIN STREET
CHESHIRE, CT 06410

LANDSCAPE ARCHITECT / ENGINEER:
WESTON & SAMPSON ENGINEERS, INC
712 BROOK STREET, SUITE 103
ROCKY HILL, CT 06067

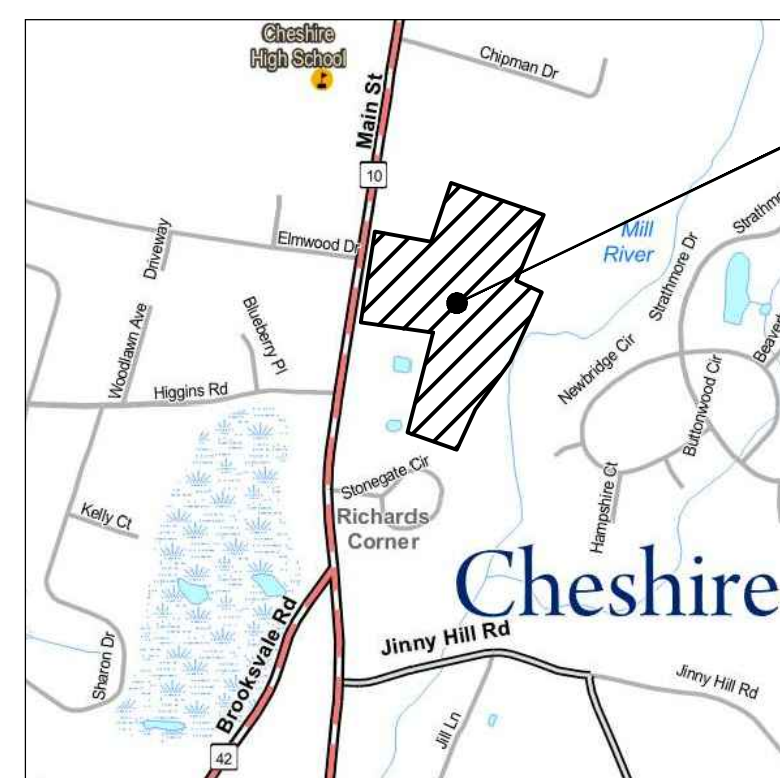
BASE MAPS:
GIS TOPO
TOWN OF CHESHIRE GIS
FEMA FLOODMAP
KCI SURVEY
WESTON & SAMPSON SURVEY

WETLANDS SCIENTIST:
SCOTT STEVENS
SOIL SCIENCE & ENVIRONMENTAL SERVICES
95 SILO DRIVE
ROCKY HILL, CT. 06067

ELECTRICAL ENGINEER:
BOB BANNING, P.E.
PRINCIPAL / CHIEF ELECTRICAL ENGINEER
SILVER / PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE,
HAMDEN, CT. 06518-2340



SILVER / PETRUCELLI
+ ASSOCIATES
Architects / Engineers / Interior Designers

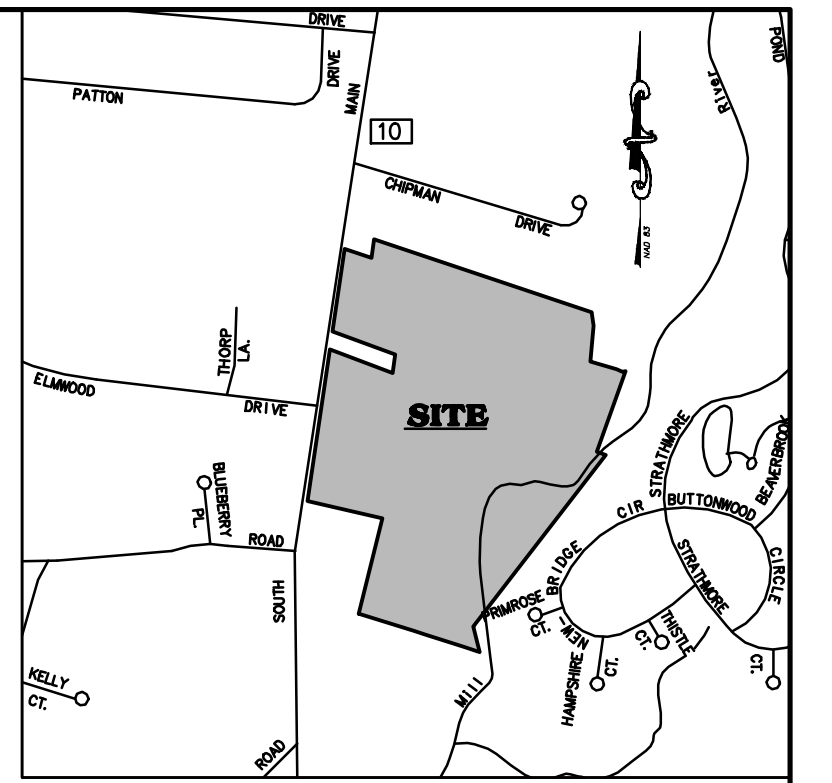
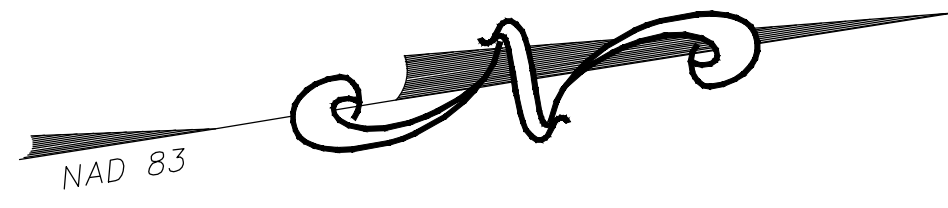


LOCATION MAP

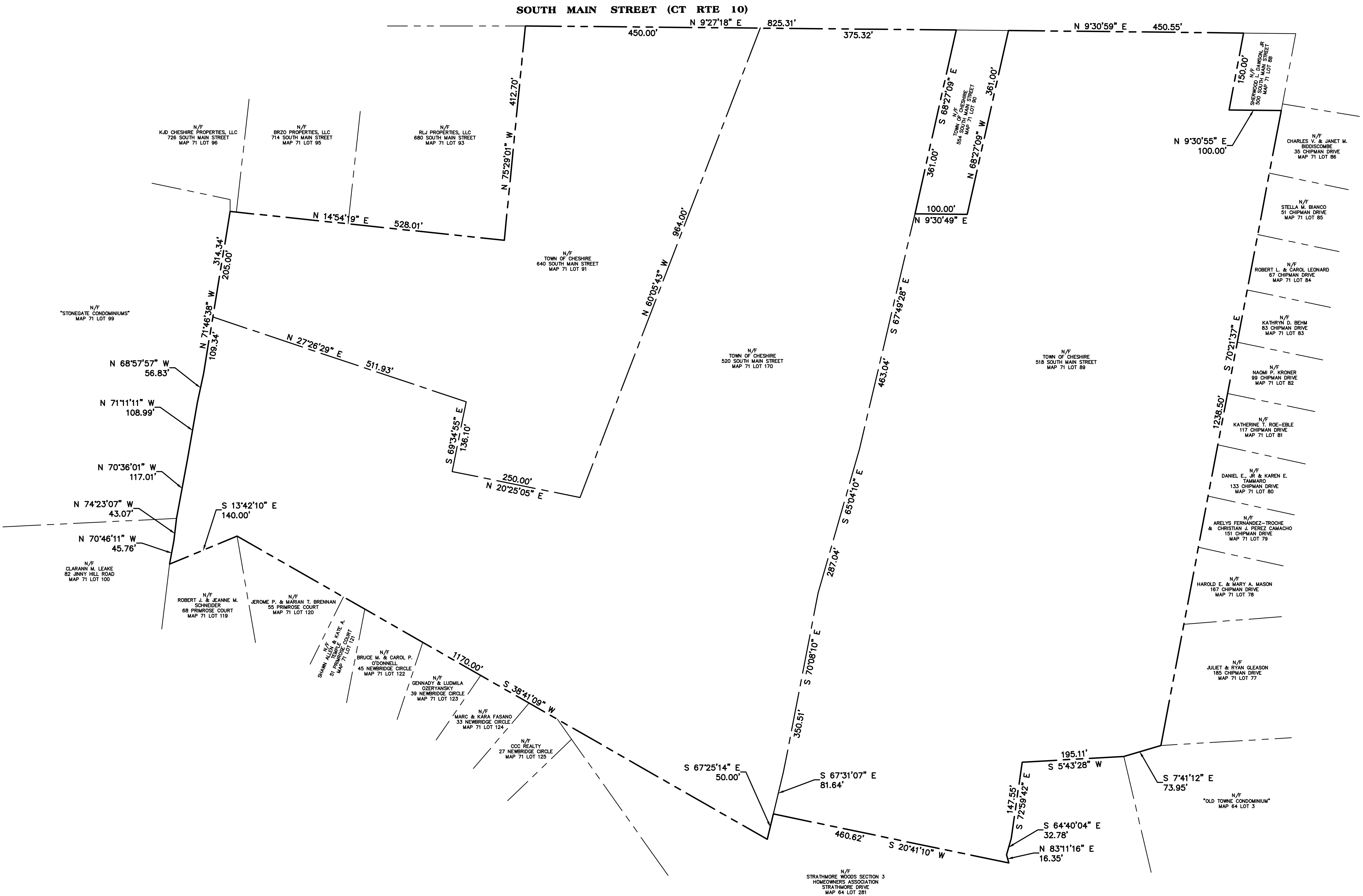
PROJECT AREA

0 1000 2000 3000 4000 feet

1" = 1000'

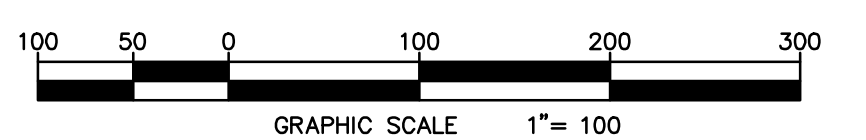


LOCATION MAP
NOT TO SCALE



- SURVEY NOTES:**
1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THRU 20-300b-20, AS AMENDED. THIS IS A COMPILATION PLAN PREPARED TO CLASS D STANDARDS. THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
 2. THE BEARINGS DEPICTED HEREON ARE BASED UPON NORTH AMERICAN DATUM OF 1983 DERIVED USING GNSS SURVEY METHODS IN FEBRUARY, 2020.

- MAP REFERENCES:**
1. "RESUBDIVISION MAP OF LAND OF RICHARD H. CHAPMAN SHOWING LAND TO BE ACQUIRED BY THE TOWN OF CHESHIRE, SOUTH MAIN STREET, CHESHIRE, CONN.," SCALE: 1"=100'; DATED: FEBRUARY 24, 1988; PREPARED BY: ASSOCIATED SURVEYS; FILED IN THE CHESHIRE LAND RECORDS AS MAP 2661.
 2. "PROPERTY MAP SHOWING LAND ACQUIRED BY THE TOWN OF CHESHIRE FROM RAVENWOOD REALTY & MANAGEMENT CORP., SOUTH MAIN STREET, CHESHIRE, CONN.," SCALE: 1"=60'; DATED: OCTOBER 13, 1988; PREPARED BY: ASSOCIATED SURVEYS; FILED IN THE CHESHIRE LAND RECORDS AS MAP 2793.
 3. "SCHEDULE A-3, PROPERTY SURVEY DEPICTING DECLARATION OF STONEGATE - AN AGE RESTRICTED PLANNED RESIDENTIAL DEVELOPMENT PREPARED FOR 772 SOUTH MAIN STREET ASSOCIATES, LLC, SOUTH MAIN STREET (ROUTE 10), CHESHIRE, CONNECTICUT"; SCALE: 1"=40'; DATED: FEBRUARY 11, 2003; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 3739.
 4. "SCHEDULE A-3, PROPERTY SURVEY DEPICTING DECLARATION OF: 714-716 SOUTH MAIN OFFICE PARK CONDOMINIUM, 714-716 SOUTH MAIN STREET, CHESHIRE, CONNECTICUT"; SCALE: 1"=20'; DATED: AUGUST 10, 2007; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 4084.
 5. "IMPROVEMENT LOCATION SURVEY - RECORD, #726 SOUTH MAIN STREET (ROUTE 10), CHESHIRE, CONNECTICUT"; SCALE: 1"=20'; DATED: DECEMBER 12, 2007; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 4105.
 6. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF CHESHIRE, NEW HAVEN - CHESHIRE ROAD FROM RICHARDS CORNER NORTHERLY TO SO. MERIDEN ROAD, ROUTE NO. 10; NUMBER 25-01-A; SHEET 1 OF 2; SCALE: 1"=40'; DATED: DECEMBER 12, 1935; REVISED OCTOBER 21, 1966.



TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

GORDON R. MATSON, PLS. LICENSE NO. 70445

TRUE AND VALID COPIES OF THIS MAP OR PLAN MUST BEAR THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE NAMED LAND SURVEYOR. UNAUTHORIZED REPRODUCTION OR ALTERATION IS FORBIDDEN.

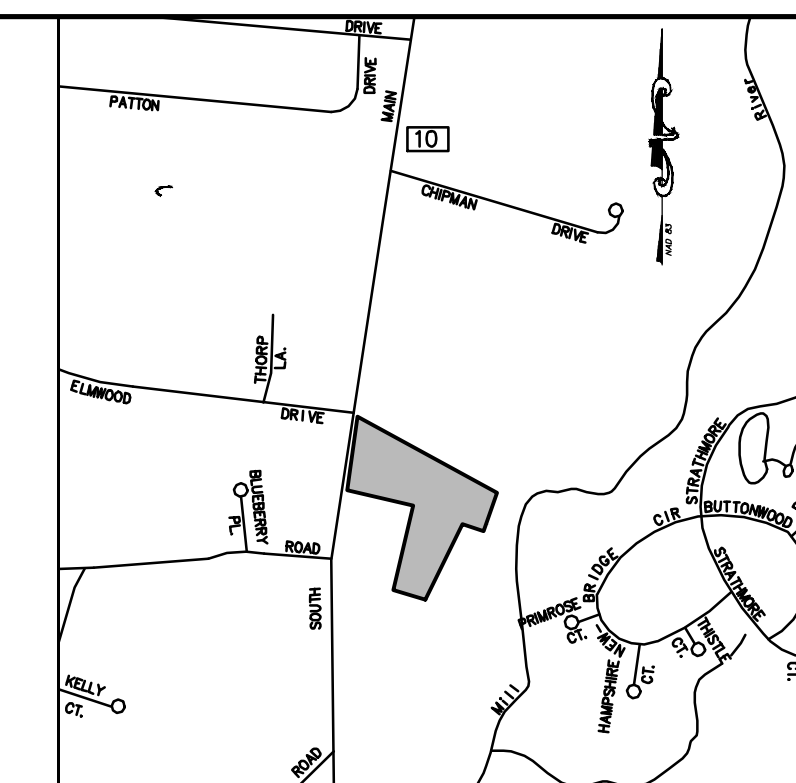
Embossed Seal

REVISIONS	
DATE	DESCRIPTION

COMPILATION PLAN
PREPARED FOR
THE TOWN OF CHESHIRE
COUNTY OF NEW HAVEN STATE OF CONNECTICUT

WESTON & SAMPSON
273 Dividend Road Rocky Hill, CT 06067 (860) 513 1473

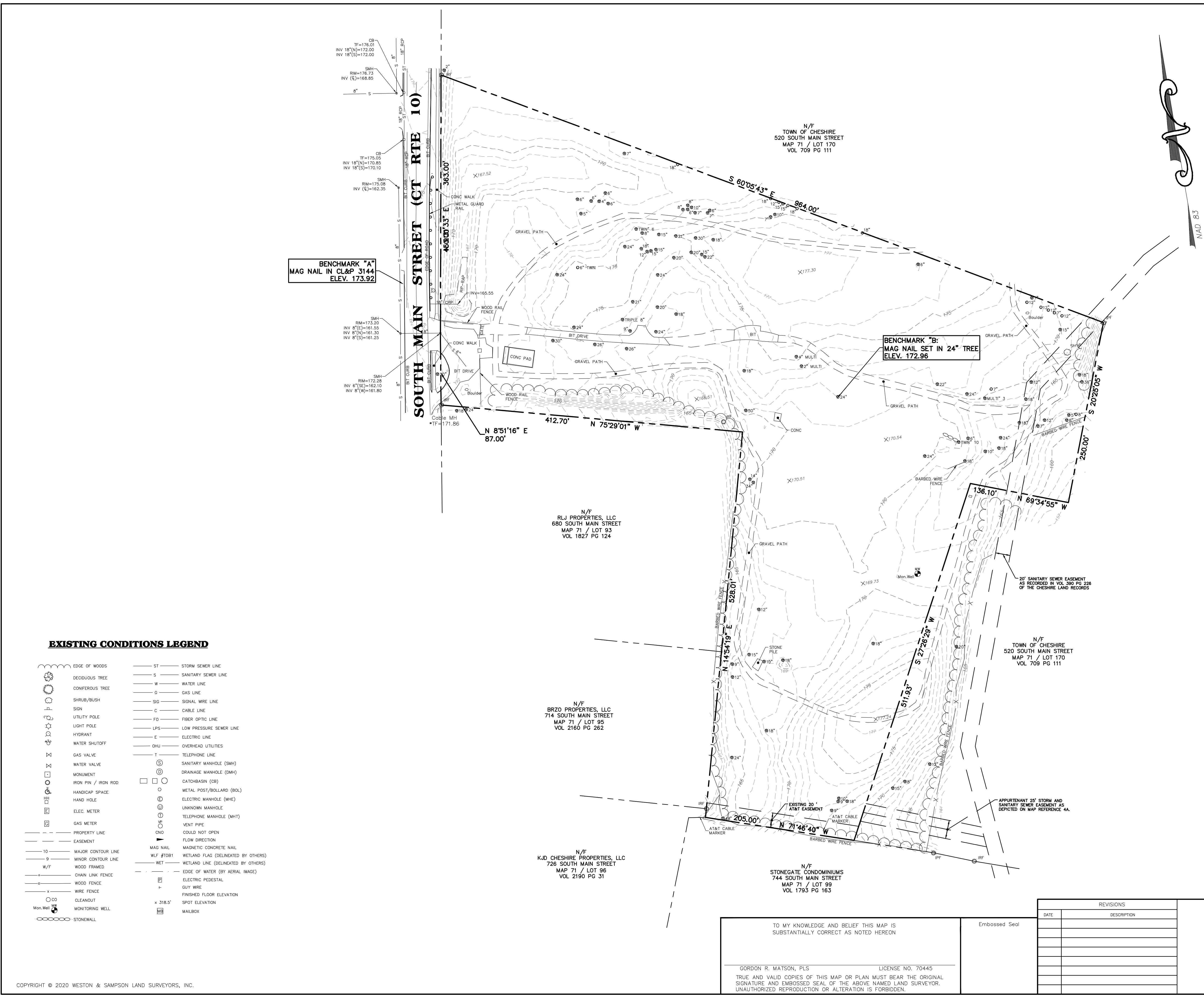
CAD FILE: ENG20-0166_BARTLEM SOUTH
DATE: FEBRUARY, 2020 SHEET 1 OF 1
SCALE: 1"=100' DRAWING No.



LOCATION MAP
NOT TO SCALE

BENCHMARK "A"
MAG NAIL IN CL&P 3144
ELEV. 173.92

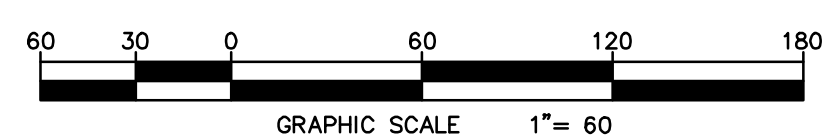
BENCHMARK "B"
MAG NAIL SET IN 24" TREE
ELEV. 172.96



- NOTES:
- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THRU 20-300b-20 AS AMENDED, AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. THE TYPE OF SURVEY IS A PROPERTY/TOPOGRAPHIC SURVEY, THE BOUNDARY DETERMINATION CATEGORY IS A RESURVEY. THIS SURVEY CONFORMS TO A HORIZONTAL ACCURACY CLASS A-2, TOPOGRAPHIC ACCURACY CLASS T-2 AND VERTICAL ACCURACY CLASS V-3.
 - BEARINGS REFER TO THE CONNECTICUT COORDINATE SYSTEM (NAD 83) AS DERIVED USING GNSS SURVEY METHODS IN FEBRUARY, 2020.
 - ELEVATIONS AND TOPOGRAPHY ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AS DERIVED USING GNSS SURVEY METHODS IN FEBRUARY, 2020.
 - REFERENCE IS MADE TO THE FOLLOWING MAPS:
 - *RESUBDIVISION MAP OF LAND OF RICHARD H. CHAPMAN SHOWING LAND TO BE ACQUIRED BY THE TOWN OF CHESHIRE, SOUTH MAIN STREET, CHESHIRE, CONN.; SCALE: 1"=100'; DATED: FEBRUARY 24, 1988; PREPARED BY: ASSOCIATED SURVEYS; FILED IN THE CHESHIRE LAND RECORDS AS MAP 2661.
 - *PROPERTY MAP SHOWING LAND ACQUIRED BY THE TOWN OF CHESHIRE FROM RAVENSWOOD REALTY & MANAGEMENT CORP., SOUTH MAIN STREET, CHESHIRE, CONN.; SCALE: 1"=60'; DATED: OCTOBER 13, 1988; PREPARED BY: ASSOCIATED SURVEYS; FILED IN THE CHESHIRE LAND RECORDS AS MAP 2793.
 - *"SCHEDULE A-3, PROPERTY SURVEY DEPICTING DECLARATION OF 'STONEGATE - AN AGE RESTRICTED PLANNED RESIDENTIAL DEVELOPMENT PREPARED FOR 772 SOUTH MAIN STREET ASSOCIATES, LLC, SOUTH MAIN STREET (ROUTE 10), CHESHIRE, CONNECTICUT"; SCALE: 1"=40'; DATED: FEBRUARY 11, 2003; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 3739.
 - *"SCHEDULE A-3, PROPERTY SURVEY DEPICTING DECLARATION OF: 714-716 SOUTH MAIN OFFICE PARK CONDOMINIUM, 714-716 SOUTH MAIN STREET, CHESHIRE, CONNECTICUT"; SCALE: 1"=20'; DATED: AUGUST 10, 2007; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 4094.
 - *"IMPROVEMENT LOCATION SURVEY - RECORD, #726 SOUTH MAIN STREET (ROUTE 10), CHESHIRE, CONNECTICUT"; SCALE: 1"=20'; DATED: DECEMBER 12, 2007; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 4105.
 - *"CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF CHESHIRE, NEW HAVEN-CHESHIRE ROAD FROM RICHARDS CORNER NORTHERLY TO SO. MERIDIAN ROAD, ROUTE NO. 10; NUMBER 25-01-A; SHEET 1 OF 2; SCALE: 1"=40'; DATED: DECEMBER 12, 1935; REVISED OCTOBER 21, 1966.
 - UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES. GOVERNMENTAL AGENCIES AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE EXISTENCE OF WHICH ARE UNKNOWN TO WESTON & SAMPSON. THE EXISTENCE, SIZE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4458.

EXISTING CONDITIONS LEGEND

- | | | | |
|--|---------------------|--|--|
| | EDGE OF WOODS | | ST - STORM SEWER LINE |
| | DECIDUOUS TREE | | S - SANITARY SEWER LINE |
| | CONIFEROUS TREE | | W - WATER LINE |
| | SHRUB/BUSH | | G - GAS LINE |
| | SIGN | | SIG - SIGNAL WIRE LINE |
| | UTILITY POLE | | C - CABLE LINE |
| | LIGHT POLE | | FO - FIBER OPTIC LINE |
| | HYDRANT | | LPS - LOW PRESSURE SEWER LINE |
| | WATER SHUTOFF | | E - ELECTRIC LINE |
| | GAS VALVE | | OHU - OVERHEAD UTILITIES |
| | WATER VALVE | | T - TELEPHONE LINE |
| | MONUMENT | | SMH - SANITARY MANHOLE (SMH) |
| | IRON PIN / IRON ROD | | DMH - DRAINAGE MANHOLE (DMH) |
| | HANDICAP SPACE | | CB - CATCHBASIN (CB) |
| | HAND HOLE | | BOL - METAL POST/BOLLARD (BOL) |
| | ELEC. METER | | MHE - ELECTRIC MANHOLE (MHE) |
| | GAS METER | | UMH - UNKNOWN MANHOLE |
| | PROPERTY LINE | | MHT - TELEPHONE MANHOLE (MHT) |
| | EASEMENT | | VP - VENT PIPE |
| | MAJOR CONTOUR LINE | | CNO - COULD NOT OPEN |
| | MINOR CONTOUR LINE | | FD - FLOW DIRECTION |
| | WOOD FRAMED | | MAG NAIL - MAGNETIC CONCRETE NAIL |
| | CHAIN LINK FENCE | | WLF #T0B1 - WETLAND FLAG (DELIMITED BY OTHERS) |
| | WOOD FENCE | | WET - WETLAND LINE (DELIMITED BY OTHERS) |
| | WIRE FENCE | | EW - EDGE OF WATER (BY AERIAL IMAGE) |
| | CLEANOUT | | EP - ELECTRIC PEDESTAL |
| | MONITORING WELL | | GW - GUY WIRE |
| | STONEWALL | | FFE - FINISHED FLOOR ELEVATION |
| | | | SE - SPOT ELEVATION |
| | | | MB - MAILBOX |



TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

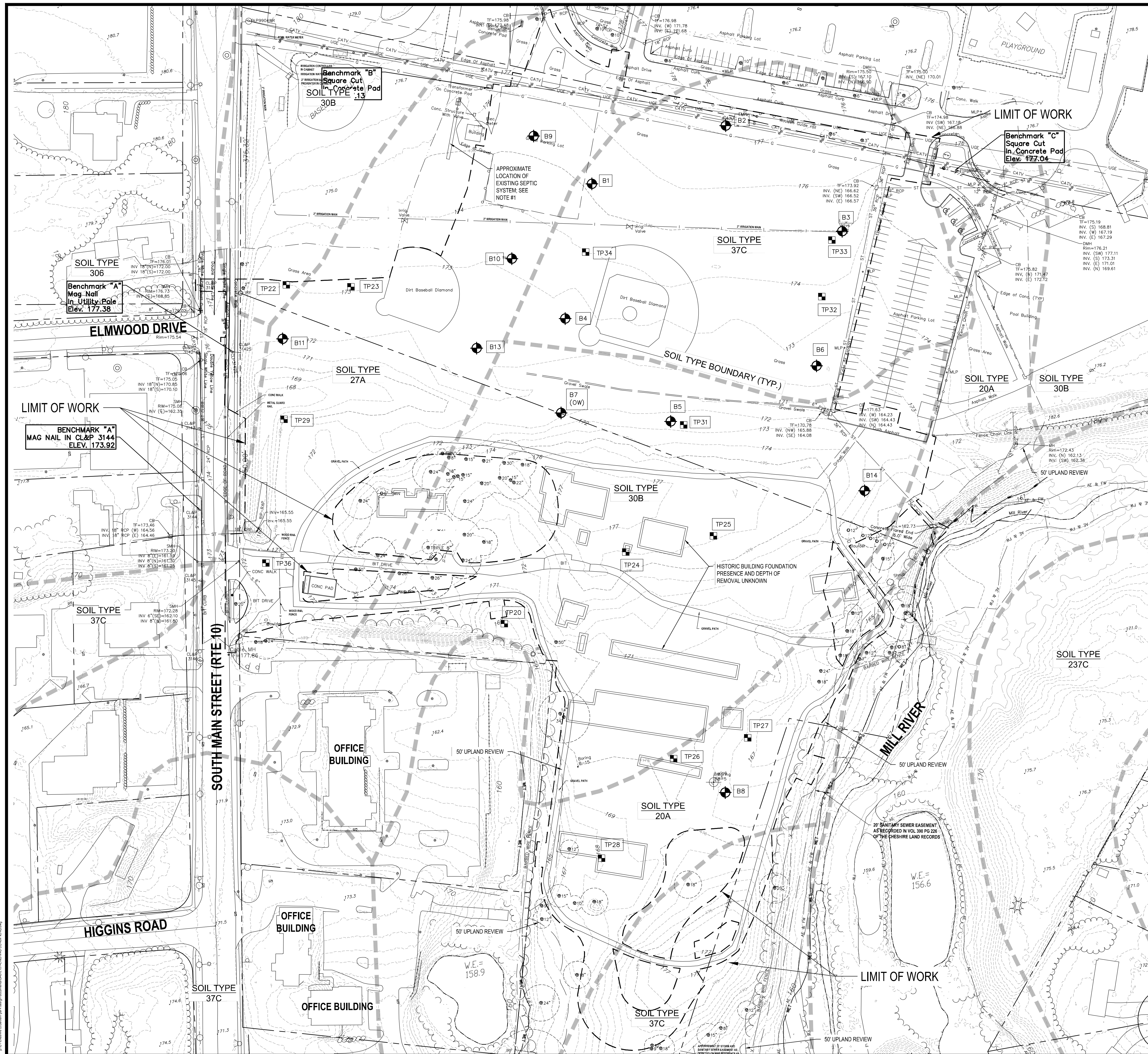
GORDON R. MATSON, PLS. LICENSE NO. 70445
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REVISIONS	
DATE	DESCRIPTION

PROPERTY AND TOPOGRAPHIC SURVEY
PREPARED FOR THE
TOWN OF CHESHIRE
640 SOUTH MAIN STREET (CT RTE 10)
COUNTY OF NEW HAVEN STATE OF CONNECTICUT

WESTON & SAMPSON
273 Dividend Road Rocky Hill, CT 06067 (860) 513 1473

CAD FILE: ENG20-0166_BARTLEM SOUTH
DATE: FEBRUARY, 2020 SHEET 1 OF 1
SCALE: 1"=60' DRAWING No.



EXISTING CONDITIONS LEGEND

- EDGE OF WOODS
- DECIDUOUS TREE
- CONIFEROUS TREE
- SHRUB/BUSH
- SIGN
- UTILITY POLE
- METAL LIGHT POLE
- HYDRANT
- WATER SHUTOFF
- GAS VALVE
- WATER VALVE
- MONUMENT
- IRON PIN / IRON ROD
- HANDICAP SPACE
- HAND HOLE
- ELEC. METER
- G
- PROPERTY LINE
- EASEMENT
- 10' MAJOR CONTOUR LINE
- 5' MINOR CONTOUR LINE
- W/F
- CHAIN LINK FENCE
- WOOD FENCE
- WIRE FENCE
- Mon. Well
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- GAS LINE
- SIGNAL WIRE LINE
- CABLE LINE
- FIBER OPTIC LINE
- LOW PRESSURE SEWER LINE
- E
- OVERHEAD UTILITIES
- TELEPHONE LINE
- SANITARY MANHOLE (SMH)
- DRAINAGE MANHOLE (DMH)
- CATCHBASIN (CB)
- METAL POST/BOLLARD (BOL)
- ELECTRIC MANHOLE (EMH)
- UNKNOWN MANHOLE
- TELEPHONE MANHOLE (TMH)
- VENT PIPE
- COULD NOT OPEN
- FLOW DIRECTION
- MAG NAIL
- WLF #T0B1
- WET
- WETLAND LINE (DELIMITED BY OTHERS)
- EDGE OF WATER (BY AERIAL IMAGE)
- ELECTRIC PEDESTAL
- GUY WIRE
- FINISHED FLOOR ELEVATION
- SPOT ELEVATION
- MAILBOX
- BORING & TEST PIT LOCATIONS
- LIMIT OF TOPOGRAPHIC SURVEY
- REGULATORY LINE
- REGULATORY LINE
- REGULATORY LINE


GENERAL NOTE:
 1. SEE GEOTECHNICAL REPORT (SPECIFICATIONS) FOR SOIL BORING AND TEST PIT DATA.

EXISTING SEPTIC SYSTEM NOTE:
 1. THE EXISTING SEPTIC SYSTEM IS BASED ON AN AS-BUILT SKETCH FROM THE CHESPROCTOT HEALTH DISTRICT DATED, 05/12/10.

AQUIFER PROTECTION AREA:
 1. THE SITE FALLS WITHIN AN AQUIFER PROTECTION AREA AND IS SUBJECT TO THE REGIONAL WATER AUTHORITY RULES AND REGULATIONS.

NRCS SOILS DATA LEGEND

Map Unit Symbol	Map Unit Name
10	Rayham silt loam
12	Raypol silt loam
18	Calden and Freetown soils, 0 to 2 percent slopes
20A	Ellington silt loam, 0 to 5 percent slopes
27A	Belgrade silt loam, 0 to 5 percent slopes
30B	Brantford silt loam, 3 to 8 percent slopes
37C	Manchester gravely sandy loam, 3 to 15 percent slopes
69B	Yalesville fine sandy loam, 3 to 8 percent slopes
69C	Yalesville fine sandy loam, 8 to 15 percent slopes
77D	Cheshire-Holyoke complex, 15 to 35 percent slopes, very rocky
108	Saco silt loam
237C	Manchester-Urban land complex, 3 to 15 percent slopes
269B	Yalesville-Urban land complex, 3 to 8 percent slopes
306	Udorthents-Urban land complex
307	Urban land
308	Udorthents, smoothed
W	Water

Project:
 TOWN OF CHESHIRE

 BARTLEM PARK SOUTH - PHASE I
 520 S MAIN ST,
 CHESHIRE, CT 06410

Weston & Sampson
 Weston & Sampson Engineers, Inc.
 712 Brook Street
 Rocky Hill, CT 06067
 860.513.1473 800.SAMPSON
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Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:

Seal:

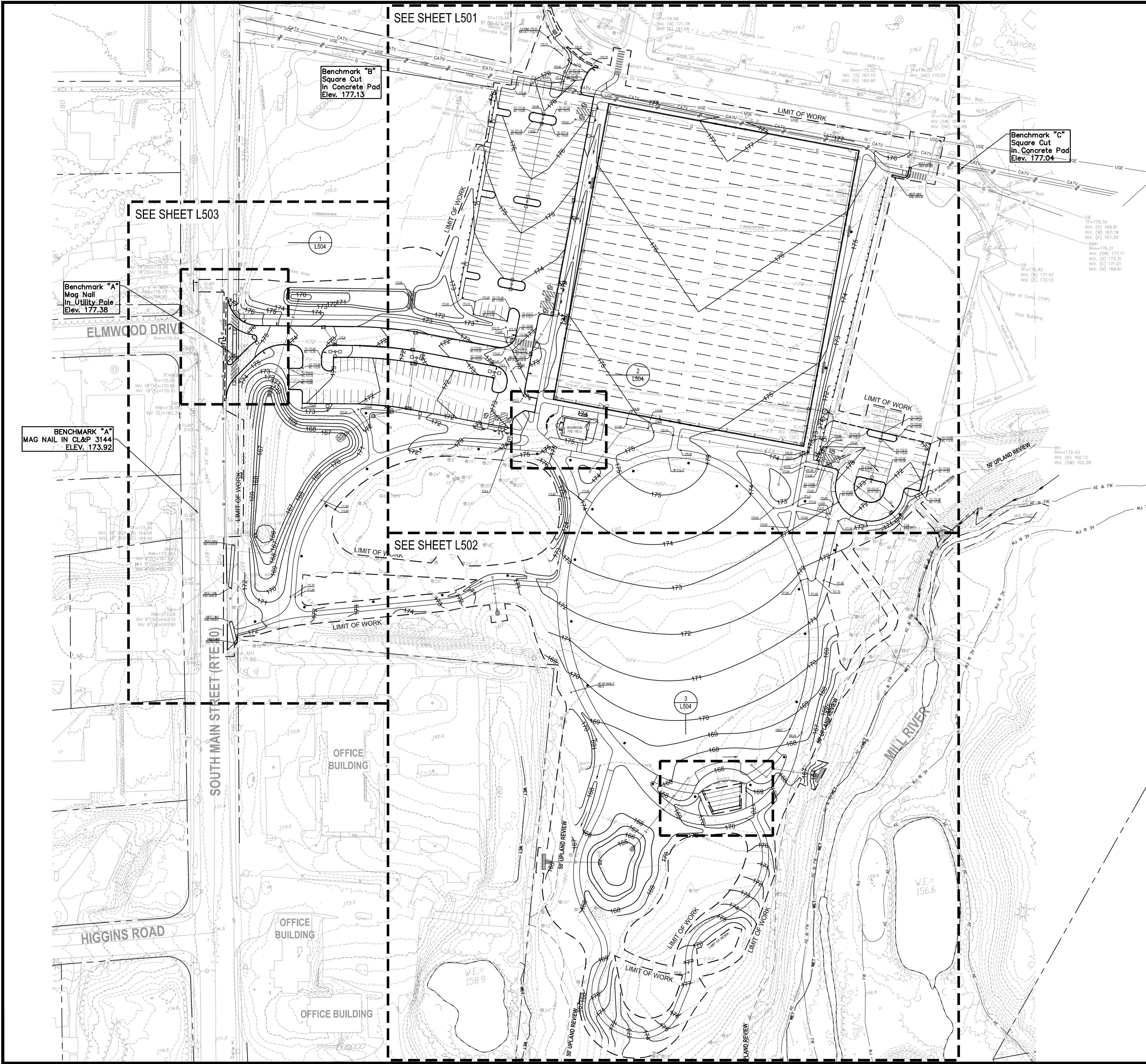
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Scale: 1"=60'-0"

Date: 1/11/2023
 Drawn By: AE/ EA
 Reviewed By: DG
 Approved By: RC
 W&S Project No.: ENG22 - 0258
 W&S File No.:

EXISTING CONDITIONS PLAN

Sheet Number:
L100



LEGEND

- LIMIT OF WORK
- PROPERTY LINE
- MINOR CONTOUR
- MAJOR CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- TOP & BOTTOM OF CURB
- SLOPE ARROW

- NOTES:**
- FOR SLOPES 4:1 OR GREATER, REFER TO VEGETATIVE SLOPE PROTECTION DETAIL ON SHEET L702

AREAS OF DISTURBANCE:

- TOTAL LIMIT OF WORK AREA= 624,496 SF
- WITHIN 50' UPLAND REVIEW AREA= 6,817 SF

Project: TOWN OF CHESHIRE

BARTLEM PARK SOUTH - PHASE I
520 S MAIN ST,
CHESHIRE, CT 06410

Weston & Sampson

Weston & Sampson Engineers, Inc.
712 Brook Street
Rocky Hill, CT 06067
860.513.1473 800.SAMPSON
www.westonandsampson.com

Consultants:

No.	Date	Description
1	7/19/22	REVISED

COA:

Seal:

Issued For:

BID DOCUMENTS

Scale: 1"=60'-0"

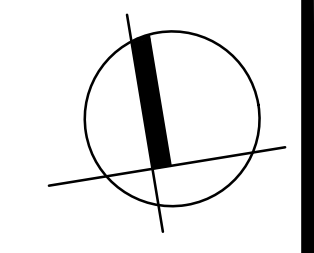
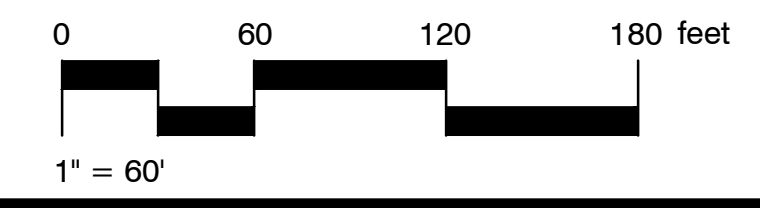
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W&S File No.:

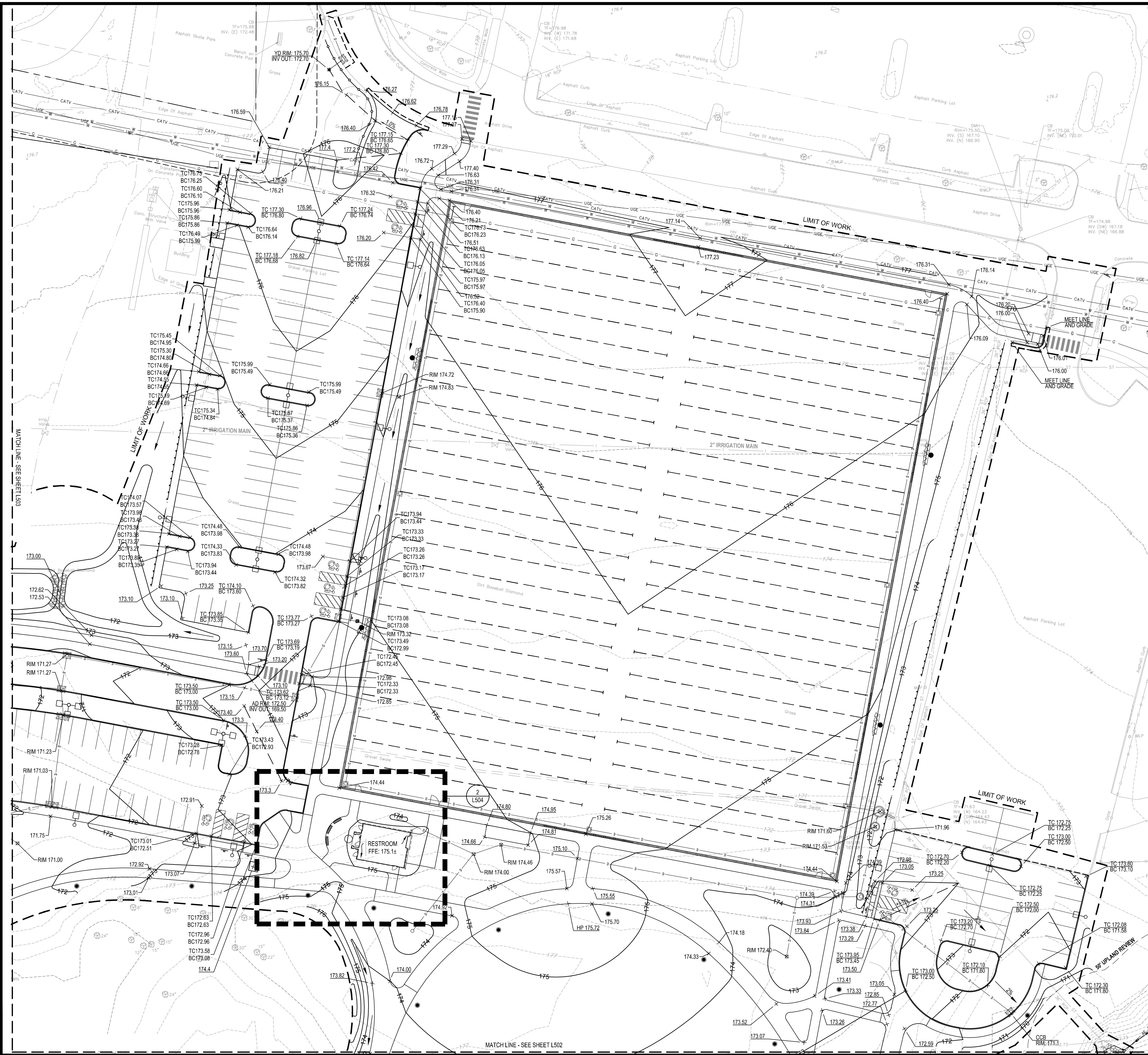
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GRADING INDEX PLAN

Sheet Number:

L500






LEGEND

- LIMIT OF WORK
- PROPERTY LINE
- 1 --- MINOR CONTOUR
- 5 --- MAJOR CONTOUR
- 501.25 --- EXISTING SPOT ELEVATION
- 501.25 --- PROPOSED SPOT ELEVATION
- TC 500.50
BC 500.00 --- TOP & BOTTOM OF CURB
- 20% --- SLOPE ARROW

NOTES:

1. FOR SLOPES 4:1 OR GREATER, REFER TO VEGETATIVE SLOPE PROTECTION DETAIL ON SHEET L702

Project:
TOWN OF CHESHIRE

 BARTLEM PARK SOUTH - PHASE I
 520 S MAIN ST,
 CHESHIRE, CT 06410

Weston & Sampson
 Weston & Sampson Engineers, Inc.
 712 Brook Street
 Rocky Hill, CT 06067
 860.513.1473 800.SAMPSON
 www.westonandsampson.com

Consultants:

Revisions:

No.	Date	Description

COA:

Seal:

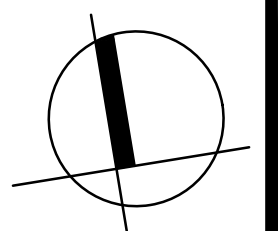
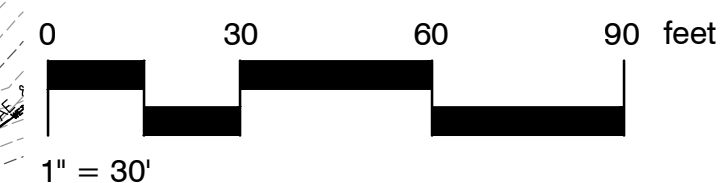
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BID DOCUMENTS

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 Drawn By: AM/EA
 Reviewed By: DG
 Approved By: RC
 W&S Project No.: ENG22 - 0258
 W&S File No.:

Drawing Title:
**GRADING PLAN
 - NORTH**

Sheet Number:
L501



P:\Projects\2022\22-0258\Bartlem Park South - Phase I\Drawings\Grading\Grading Plan - North.dwg




LEGEND

	LIMIT OF WORK
	PROPERTY LINE
	MINOR CONTOUR
	MAJOR CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	TOP & BOTTOM OF CURB
	SLOPE ARROW

- NOTES:**
- FOR SLOPES 4:1 OR GREATER, REFER TO VEGETATIVE SLOPE PROTECTION DETAIL ON SHEET L702

Project: TOWN OF CHESHIRE



BARTLEM PARK SOUTH - PHASE I
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Rocky Hill, CT 06067
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Revisions:

No.	Date	Description

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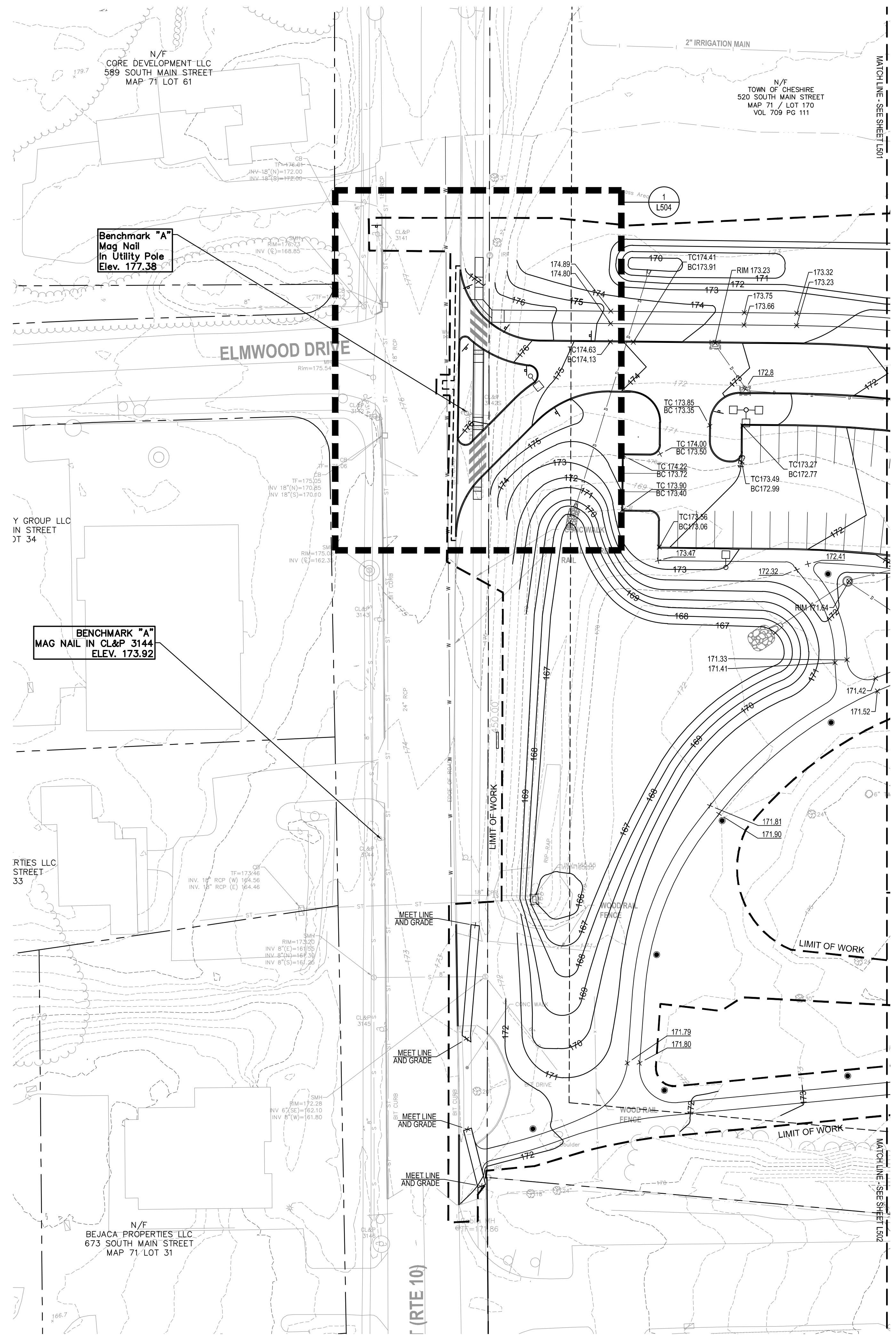
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Date: 1/11/2023
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Reviewed By: DG
Approved By: RC
W&S Project No.: ENG22 - 0258
W&S File No.:

Drawing Title:
**GRADING PLAN
- SOUTH**

Sheet Number:
L502



LEGEND

	LIMIT OF WORK
	PROPERTY LINE
	MINOR CONTOUR
	MAJOR CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	TOP & BOTTOM OF CURB
	SLOPE ARROW

- NOTES:**
- FOR SLOPES 4:1 OR GREATER, REFER TO VEGETATIVE SLOPE PROTECTION DETAIL ON SHEET L702

Project:
TOWN OF CHESHIRE

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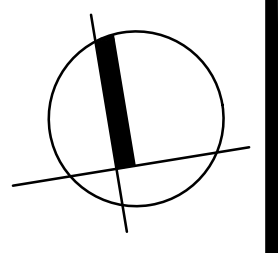
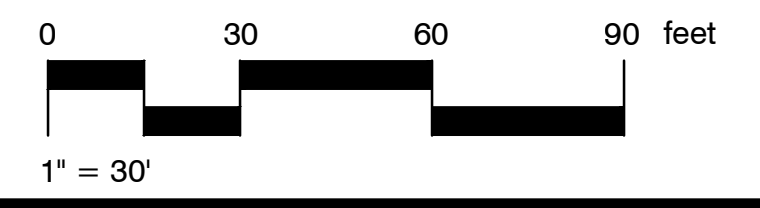
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 W&S File No.:

Drawing Title:

**GRADING PLAN
 - WEST**

Sheet Number:

L503



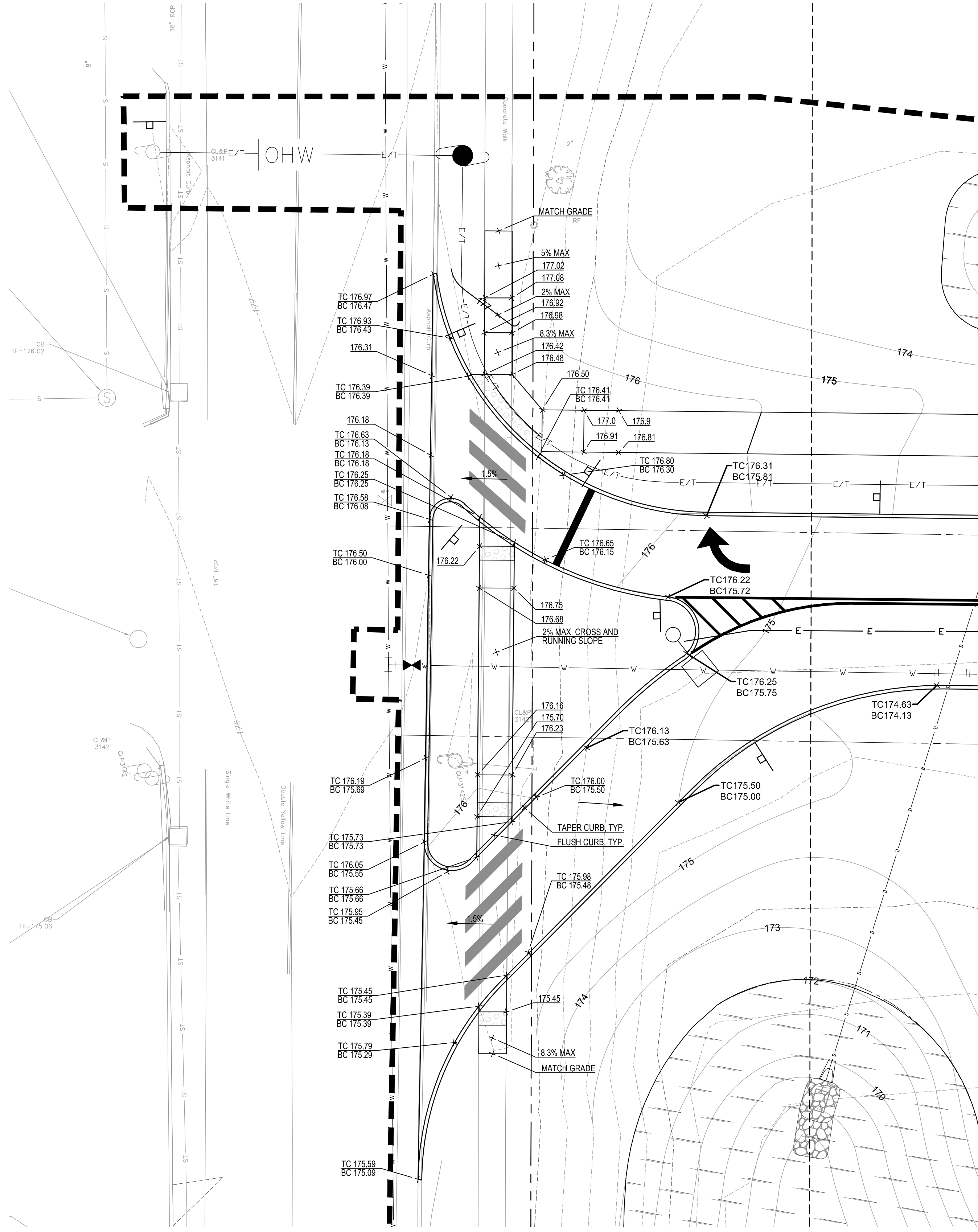
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LEGEND

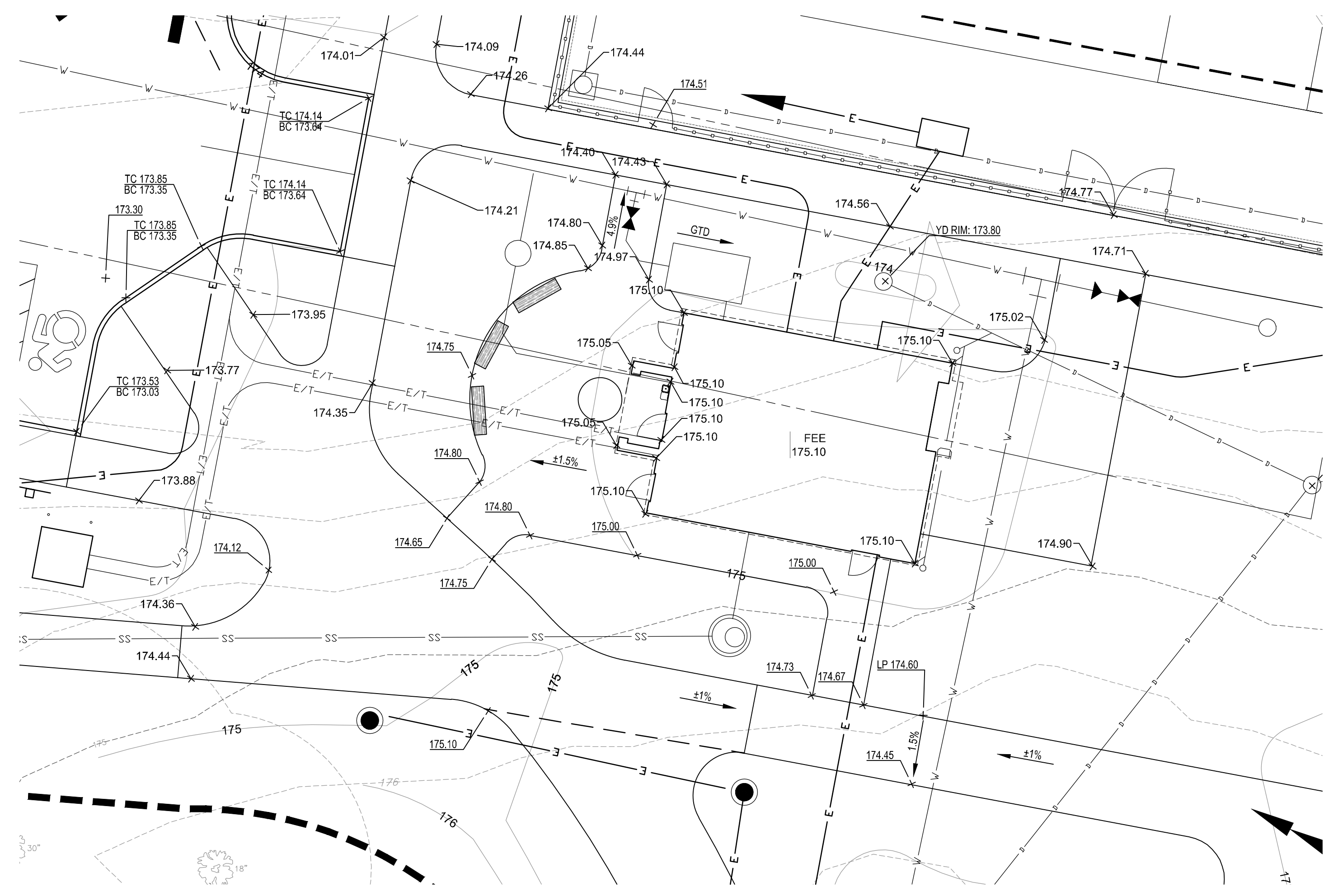
- LIMIT OF WORK
- PROPERTY LINE
- - - MINOR CONTOUR
- - - MAJOR CONTOUR
- + 501.25 EXISTING SPOT ELEVATION
- + 501.25 PROPOSED SPOT ELEVATION
- TC 500.50 BC 500.00 TOP & BOTTOM OF CURB
- 20% SLOPE ARROW

NOTES:

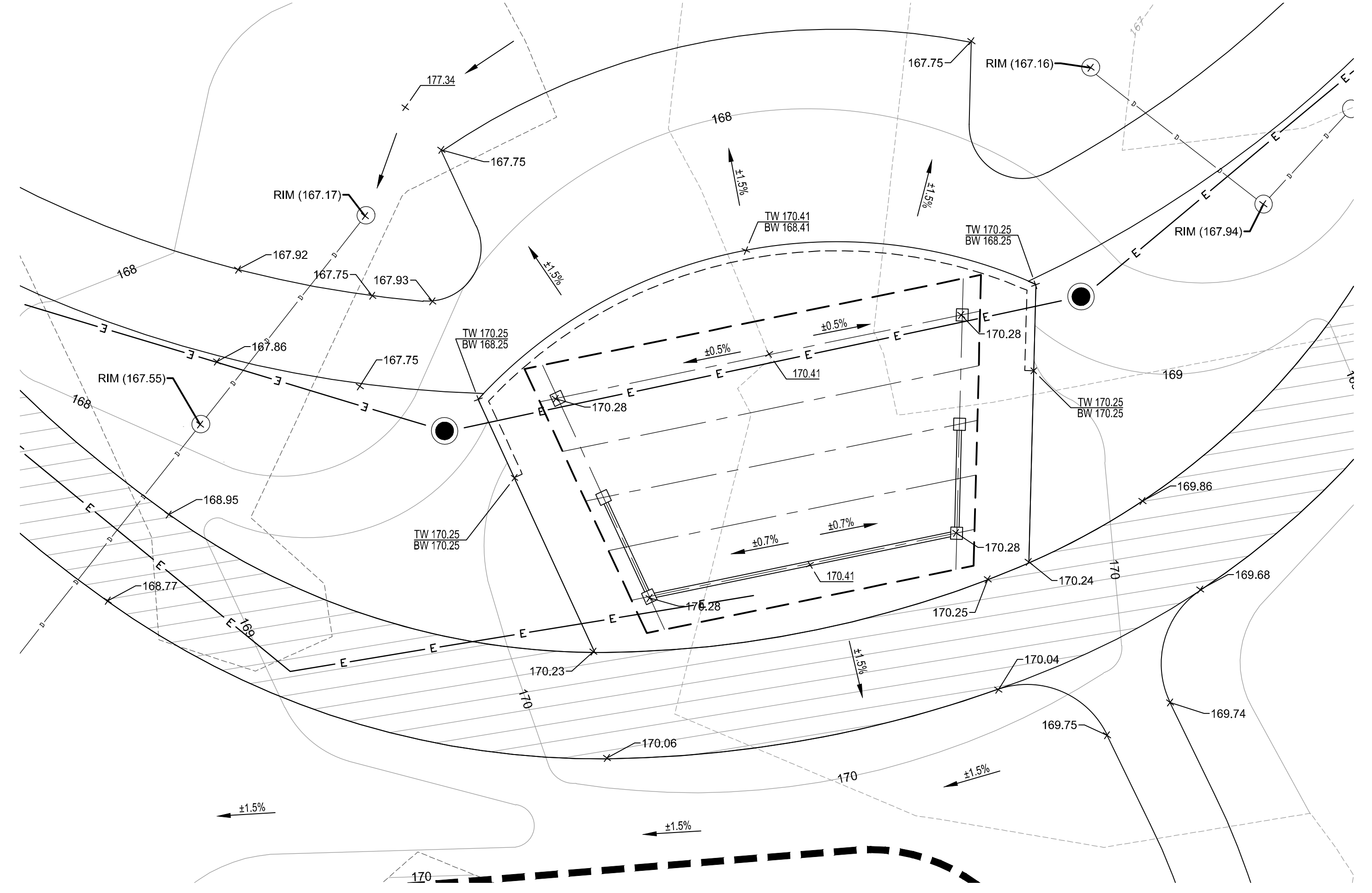
1. FOR SLOPES 4:1 OR GREATER, REFER TO VEGETATIVE SLOPE PROTECTION DETAIL ON SHEET L702



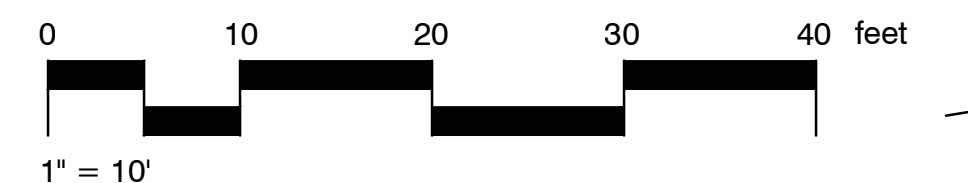
1 RIGHT-IN RIGHT-OUT DRIVE TO ROUTE 10
SCALE: 1"=10'-0"



2 RESTROOM PAVILION
SCALE: 1"=10'-0"



3 BAND SHELL
SCALE: 1"=10'-0"



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W&S Project No.: ENG22 - 0258
W&S File No.:

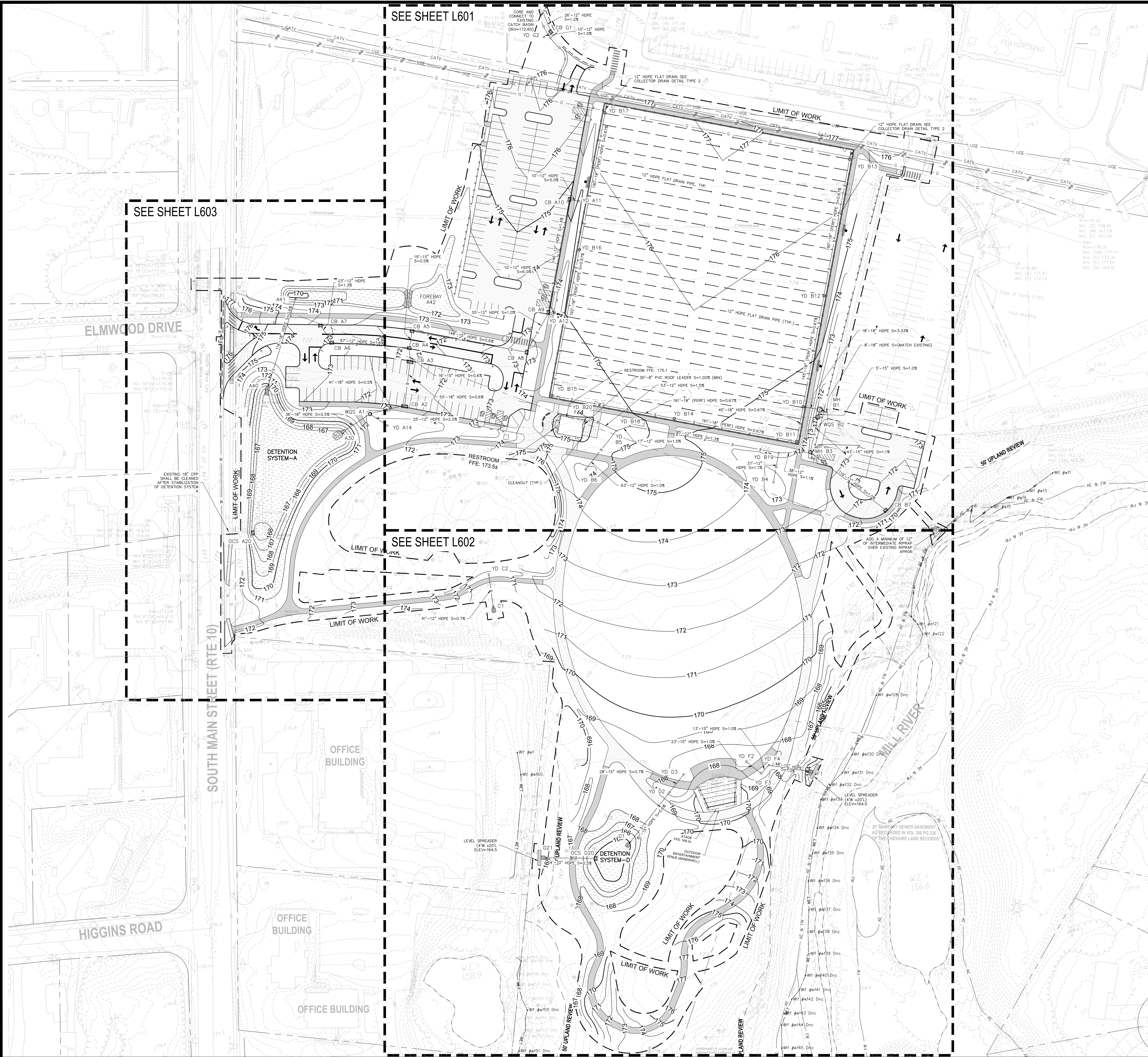
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**GRADING
DETAILED
PLANS**

Sheet Number:

L504


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GENERAL NOTE:

- REFER TO DRAWINGS L601 - L603 FOR DETAILED INFORMATION ON THE STORMWATER MANAGEMENT SYSTEM, DRAINAGE STRUCTURE SCHEDULES (FRAME ELEVATIONS, INVERTS), AND ASSOCIATED NOTES.

Project: TOWN OF CHESHIRE



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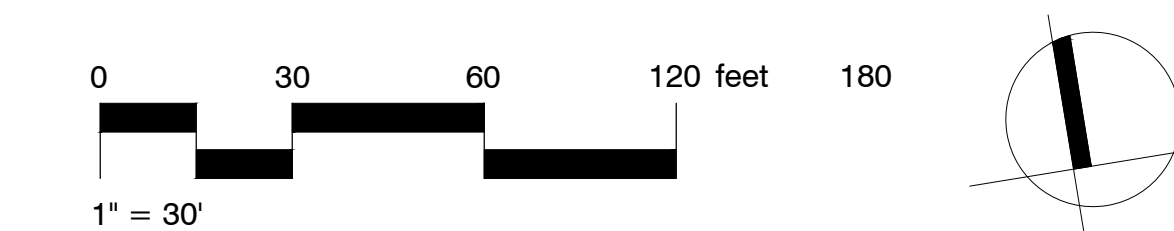
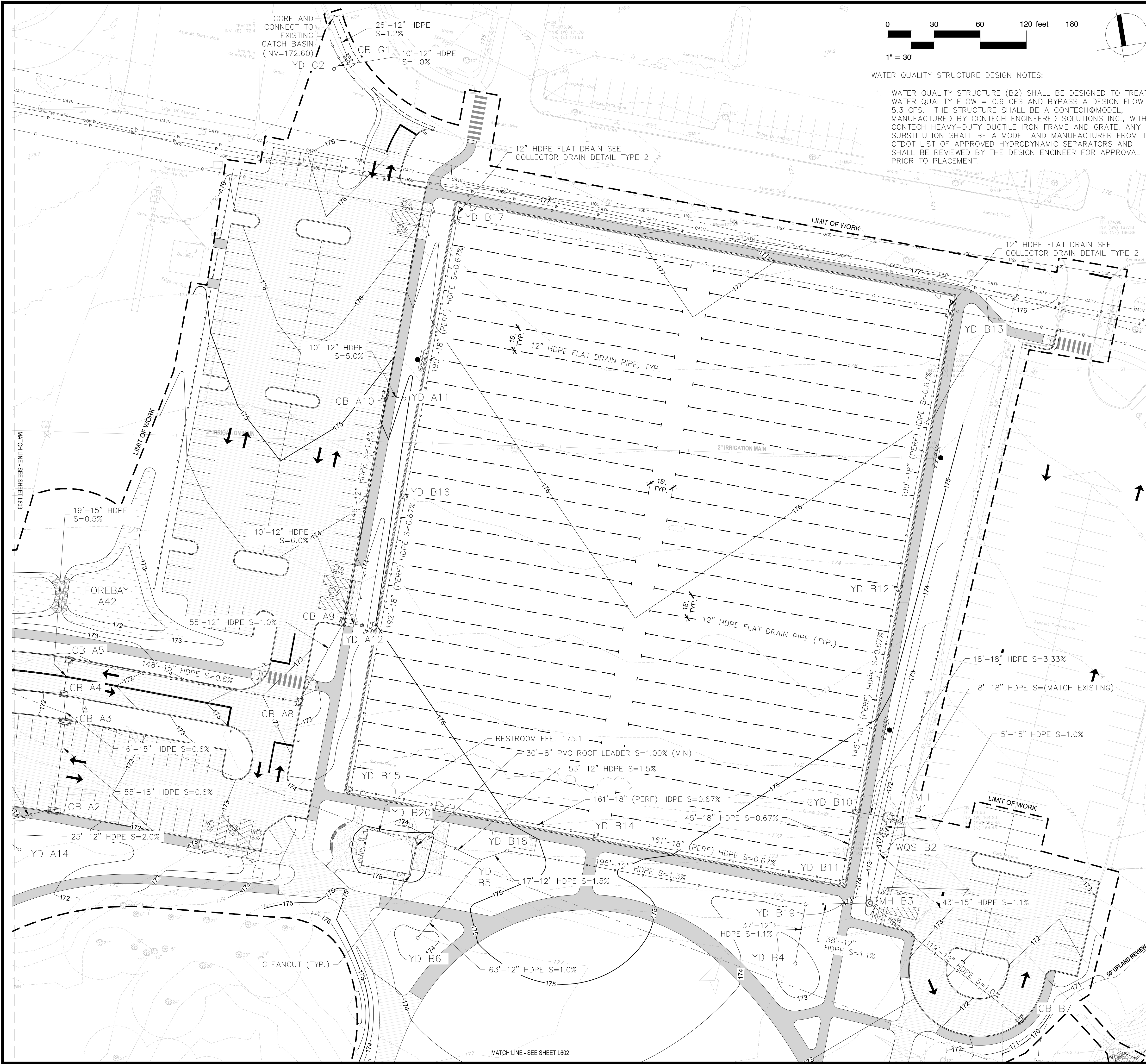
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Drawing Title:

DRAINAGE INDEX PLAN

Sheet Number:

L600



GENERAL NOTES:

- PERMANENT TURF REINFORCEMENT MATTING FOR SLOPE PROTECTION SHALL BE INSTALLED ON DETENTION BASIN SIDE SLOPES AND WHERE PROPOSED SLOPES ARE 2:1 (OR STEEPER). TEMPORARY MATTING SHALL BE USED FOR SLOPES THAT ARE 3:1 (OR STEEPER) BUT FLATTER THAN 2:1. FOR (INTERIOR DETENTION BASIN SLOPES, USE EROSION CONTROL FABRIC "A" PER SPECIFICATION SECTION 31 05 19.13.
- ALL HIGH DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPING SHALL BE IN CONFORMANCE WITH ASTM D3350. DUCTILE IRON PIPE SHALL CONFORM TO CTDOT MATERIAL SPECIFICATION SECTION M.08.01-6 AND CULVERT ENDS SHALL CONFORM TO CTDOT MATERIAL SPECIFICATION SECTION M.08.01-11.
- REFER TO CONSTRUCTION SEQUENCE AND PLANS FOR INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES.
- ALL CATCH BASINS YARD DRAINS WITHIN THE LIMITS OF WORK SHALL BE FITTED WITH CATCH BASIN INLET PROTECTION DURING CONSTRUCTION.
- ALL YARD DRAINS SHALL BE MANUFACTURED BY NYOLPLAST, OR APPROVED EQUAL AND SHALL HAVE HEAVY-DUTY (H-20 RATED) SOLID COVERS UNLESS NOTED OTHERWISE. WHERE GRATES ARE REQUIRED, THEY SHALL BE 2'X2", HEAVY-DUTY (H-20 RATED).
- ALL CATCH BASINS AND YARD DRAINS SHALL HAVE 4"-DEEP SUMPS AND BE FITTED WITH DEBRIS HOODS (SNOOT) MANUFACTURED BY BEST MANAGEMENT PRACTICES ON THE OUTLET PIPE (ONLY).
- CONTRACTOR IS RESPONSIBLE FOR DEWATERING DURING CONSTRUCTION IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AND SPECIFICATION SECTION 31 23 19.
- REFER TO EROSION AND SEDIMENTATION CONTROL PLANS AND DETAILS FOR MORE SPECIFIC INFORMATION ON EROSION AND SEDIMENTATION CONTROL MEASURES.
- ALL EXISTING DRAINAGE STRUCTURES AND PIPING THAT RECEIVE RUNOFF FROM THE PROJECT OR THAT ARE DIRECTLY CONNECTED TO PROPOSED DRAINAGE FROM THE PROJECT SHALL BE INSPECTED AND CLEANED UPON PROJECT COMPLETION.

WATER QUALITY STRUCTURE DESIGN NOTES:

- WATER QUALITY STRUCTURE (B2) SHALL BE DESIGNED TO TREAT A WATER QUALITY FLOW = 0.9 CFS AND BYPASS A DESIGN FLOW = 5.3 CFS. THE STRUCTURE SHALL BE A CONTECH@MODEL, MANUFACTURED BY CONTECH ENGINEERED SOLUTIONS INC., WITH A CONTECH HEAVY-DUTY DUCTILE IRON FRAME AND GRATE. ANY SUBSTITUTION SHALL BE A MODEL AND MANUFACTURER FROM THE CTDOT LIST OF APPROVED HYDRODYNAMIC SEPARATORS AND SHALL BE REVIEWED BY THE DESIGN ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

DRAINAGE STRUCTURE SCHEDULE(S)

SYSTEM A

18" RCCE A30 INV=167.0 (SCOUR HOLE)	TYPE C CB A5 TF=171.30 INV=167.90 E,S	YARD DRAIN A12 W/ GRATE TF=173.30 INV=170.00 W
WATER QUALITY STRUCTURE A1 TF=170.40 INV=167.20 SW,NE INV=167.90 SE	TYPE C CB A6 TF=172.8 INV=169.40 NW,E	YARD DRAIN A14 W/ GRATE TF=171.0 INV=168.40 N
TYPE C CB A2 DOUBLE GRATE (TYPE II) TF=171.00 INV=167.40 SW,N INV=167.70 S	TYPE C CB A7 TF=173.20 INV=169.70 SE	18" RCCE A40 INV=169.0 (SCOUR HOLE)
TYPE C CB A3 DOUBLE GRATE (TYPE II) TF=171.20 INV=167.70 N,S	TYPE C CB A8 TF=172.00 INV=168.80 W,N	OUTLET CONTROL STRUCTURE A20 TF=169.0 INV=165.50 W 6" (2) ORIFICE=166.0 15" ORIFICE=166.8
TYPE C CB A4 TF=171.30 INV=167.80 W,N,S	TYPE C CB A9 TF=173.00 INV=169.40 S,N	TYPE C CB A10 TF=174.70 INV=171.50 S
TYPE C CB A5 TF=171.30 INV=167.80 W,N,S	TYPE C CB A10 TF=174.70 INV=171.50 S	24" RCCE A41 INV=169.7
YARD DRAIN A11 TF=174.8 INV=172.00 W	YARD DRAIN A11 TF=174.8 INV=172.00 W	FOREBAY A42 TOP EL=173.0 BOTT EL=172.0 VOL.=2627 CU. FT.

SYSTEM B1

STORM MH B1 TF=171.6 INV=(MATCH EXISTING) E INV=164.50 S INV=166.30 W	TYPE C CB B7 TF=171.1 INV=166.20	YARD DRAIN B12 TF=175.3 INV=170.20
WATER QUALITY STRUCTURE B2 TF=171.5 INV=164.55 N,S	YARD DRAIN B18 TF=174.46 INV=168.00	YARD DRAIN B13 TF=176.4 INV=172.00
STORM MH B3 TF=173.3 INV=165.00 N,S,E	YARD DRAIN B19 TF=174.30 INV=165.40	YARD DRAIN B14 TF=175.3 INV=168.30
YARD DRAIN B4 TF=172.40 INV=165.80 W,N	YARD DRAIN B20 TF=173.9 INV=169.00	YARD DRAIN B15 TF=174.5 INV=169.40

SYSTEM B2

YARD DRAIN B5 TF=174.0 INV=168.30 NW,S,NE	YARD DRAIN B10 TF=174.7 INV=169.20 N	YARD DRAIN B16 TF=175.4 INV=170.70
YARD DRAIN B6 TF=173.3 INV=169.00	YARD DRAIN B11 TF=174.4 INV=167.20	YARD DRAIN B17 TF=176.4 INV=172.00

SYSTEM G

TYPE C-L CB G1 TF=175.90 INV=172.90 NW	YD G2 TF=175.70 INV=173.00 NW
--	-------------------------------------

Project: TOWN OF CHESHIRE

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Drawing Title:
DRAINAGE PLAN - NORTH

Sheet Number:
L601

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GENERAL NOTES:

1. PERMANENT TURF REINFORCEMENT MATTING FOR SLOPE PROTECTION SHALL BE INSTALLED ON DETENTION BASIN SIDE SLOPES AND WHERE PROPOSED SLOPES ARE 2:1 (OR STEEPER). TEMPORARY MATTING SHALL BE USED FOR SLOPES THAT ARE 3:1 (OR STEEPER) BUT FLATTER THAN 2:1. FOR (INTERIOR DETENTION BASIN SLOPES, USE EROSION CONTROL FABRIC "A" PER SPECIFICATION SECTION 31 05 19.13.
2. ALL HIGH DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPING SHALL BE IN CONFORMANCE WITH ASTM D3350. DUCTILE IRON PIPE SHALL CONFORM TO CTDOT MATERIAL SPECIFICATION SECTION M.08.01-6 AND CULVERT ENDS SHALL CONFORM TO CTDOT MATERIAL SPECIFICATION SECTION M.08.01-11.
3. REFER TO CONSTRUCTION SEQUENCE AND PLANS FOR INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES.
4. ALL CATCH BASINS YARD DRAINS WITHIN THE LIMITS OF WORK SHALL BE FITTED WITH CATCH BASIN INLET PROTECTION DURING CONSTRUCTION. ALL YARD DRAINS SHALL BE MANUFACTURED BY NYOLPLAST, OR APPROVED EQUAL AND SHALL HAVE HEAVY-DUTY (H-20 RATED) SOLID COVERS UNLESS NOTED OTHERWISE. WHERE GRATES ARE REQUIRED, THEY SHALL BE 2'X2", HEAVY-DUTY (H-20 RATED).
5. REFER TO CONSTRUCTION SEQUENCE AND PLANS FOR INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES.
6. ALL CATCH BASINS AND YARD DRAINS SHALL HAVE 4'-DEEP SUMPS AND BE FITTED WITH DEBRIS HOODS (SNOUT) MANUFACTURED BY BEST MANAGEMENT PRACTICES ON THE OUTLET PIPE (ONLY).
7. CONTRACTOR IS RESPONSIBLE FOR DEWATERING DURING CONSTRUCTION IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AND SPECIFICATION SECTION 31 23 19.
8. REFER TO EROSION AND SEDIMENTATION CONTROL PLANS AND DETAILS FOR MORE SPECIFIC INFORMATION ON EROSION AND SEDIMENTATION CONTROL MEASURES.
9. ALL EXISTING DRAINAGE STRUCTURES AND PIPING THAT RECEIVE RUNOFF FROM THE PROJECT OR THAT ARE DIRECTLY CONNECTED TO PROPOSED DRAINAGE FROM THE PROJECT SHALL BE INSPECTED AND CLEANED UPON PROJECT COMPLETION.

DRAINAGE STRUCTURE SCHEDULE(S)

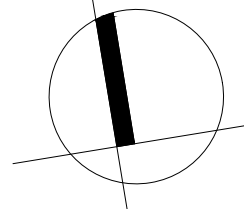
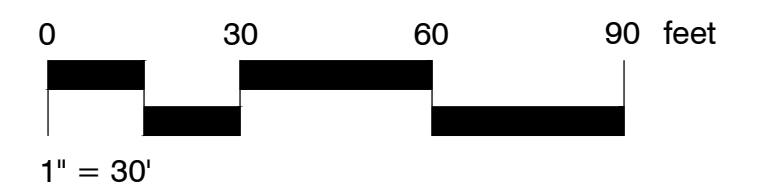
SYSTEM C	SYSTEM D
15" RCCE END C1 INV=169.00 (RIPRAP APRON)	15" RCCE D1 INV=165.00 (RIPRAP APRON)
YARD DRAIN C2 TF=171.4 INV=169.30	YARD DRAIN D2 TF=167.8 INV=165.50
SYSTEM E	YARD DRAIN D3 TF=167.8 INV=165.70
15" RCCE F1 INV=164.00 (RIPRAP APRON)	10" FLARED END D21 INV=164.50 (RIPRAP APRON)
YARD DRAIN F2 TF=167.8 INV=165.00	OUTLET CONTROL STRUCTURE D20 TF=167.0 INV=164.8 SW 8" ORIFICE=164.8
YARD DRAIN F3 TF=167.8 INV=164.70	
YARD DRAIN F4 (SOLID COVER) TF=167.8 INV=164.50	


DETENTION SYSTEM SCHEDULE(S)

DETENTION SYSTEM D
SURFACE DETENTION BASIN BOTTOM ELEV=165.0 TOP ELEV=167.0

CONSTRUCTION NOTES FOR DETENTION BASINS (TO PROMOTE INFILTRATION):

1. IN ORDER TO MINIMIZE SEDIMENT IMPACT ON THE ABILITY OF THE PROPOSED BASINS TO INFILTRATE, THE CONSTRUCTION OF THE BASINS SHALL BE DONE DURING THE LATE STAGES OF SITE WORK ONCE ALL UPGRADIENT AREAS HAVE BEEN STABILIZED WITH A FIRST COURSE OF BITUMINOUS PAVING AND VEGETATIVE STABILIZATION HAS BEEN ACHIEVED
2. INSTALL SEDIMENTATION CONTROL SYSTEM AROUND THE PERIMETER OF THE BASINS TO PREVENT SEDIMENT LADEN WATER FROM ENTERING THE BASIN.
3. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED TO DRIVE OVER THE AREA INTENDED TO SERVE AS INFILTRATION. STOCKPILING OF MATERIAL SHALL NOT BE ALLOWED OVER THESE AREAS AS WELL.
4. ONLY LOW GROUND PRESSURE EQUIPMENT SHALL BE USED TO EXCAVATE THE BASINS TO MINIMIZE COMPACTION OF SOILS BENEATH BASIN FLOOR AND SIDE SLOPES.
5. THE BASINS SHALL NOT BE CONSTRUCTED DURING OR IMMEDIATELY AFTER A RAIN EVENT OR CONSTRUCTED DURING SATURATED CONDITIONS.
6. THE ENGINEER SHALL BE CONTACTED IMMEDIATELY IF NON-NATIVE FILL, LEDGE, OR UNSUITABLE MATERIAL IS ENCOUNTERED AT THE PROPOSED BOTTOM OF THE BASINS PRIOR TO CONSTRUCTION.



Project:

 TOWN OF CHESHIRE
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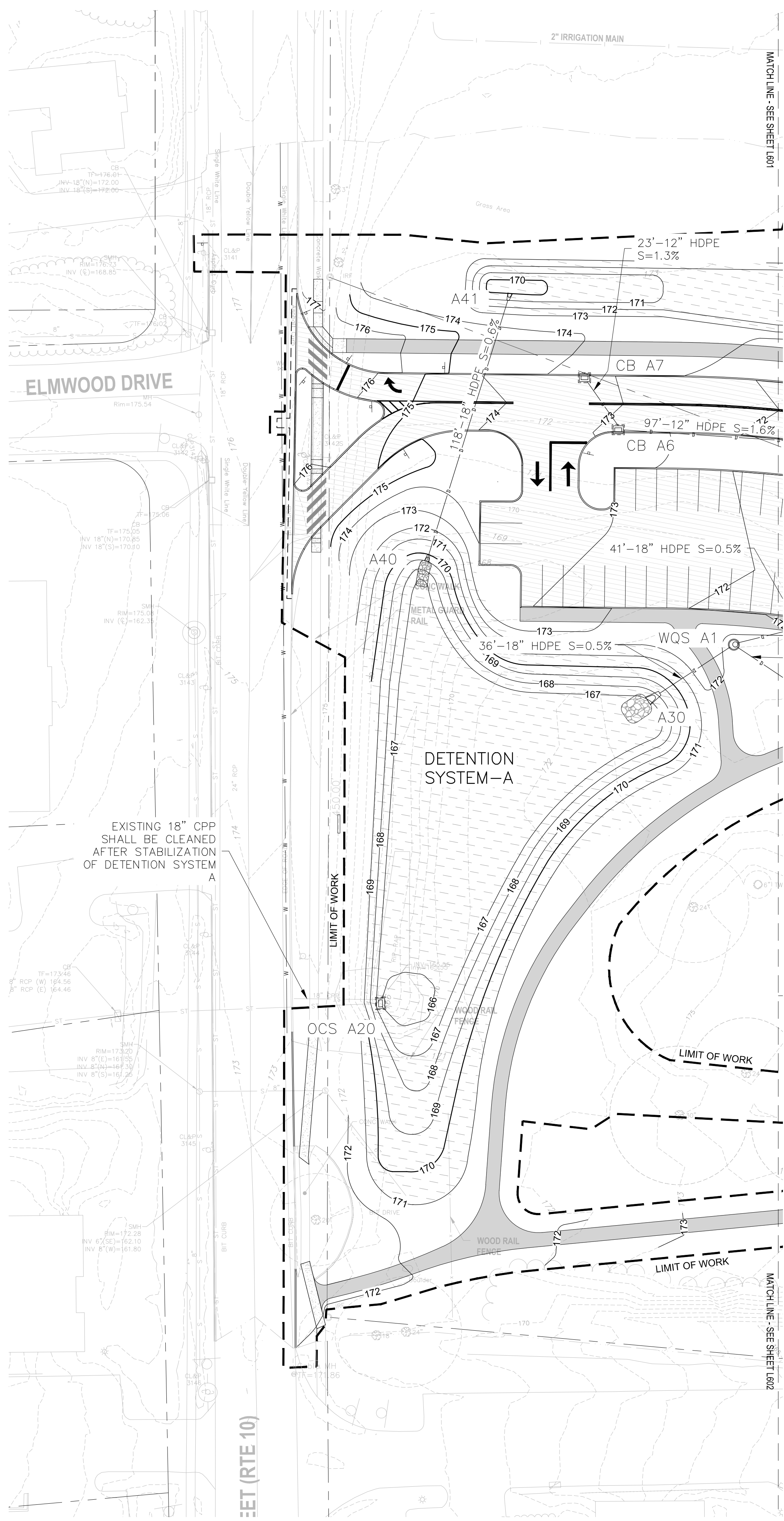
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 W&S File No.:

Drawing Title:
**DRAINAGE
 PLAN - SOUTH**

Sheet Number:
L602



DRAINAGE STRUCTURE SCHEDULE(S)

SYSTEM A

18" RCCE A30 INV=167.0 (SCOUR HOLE)	TYPE C CB A5 TF=171.30 INV=167.90 E,S	YARD DRAIN A12 W/ GRATE TF=173.30 INV=170.00 W
WATER QUALITY STRUCTURE A1 TF=170.40 INV=167.20 SW,N INV=167.90 SE	TYPE C CB A6 TF=172.8 INV=169.40 NW,E	YARD DRAIN A14 W/ GRATE TF=171.0 INV=168.40 N
TYPE C CB A2 DOUBLE GRATE (TYPE II) TF=171.00 INV=167.40 SW,N INV=167.70 S	TYPE C CB A7 TF=173.20 INV=169.70 SE	18" RCCE A40 INV=169.0 (SCOUR HOLE)
TYPE C CB A3 DOUBLE GRATE (TYPE II) TF=171.20 INV=167.70 N,S	TYPE C CB A8 TF=172.00 INV=168.80 W,N	OUTLET CONTROL STRUCTURE A20 TF=169.0 INV=165.50 W 6" (2) ORIFICE=166.0
TYPE C CB A4 TF=171.30 INV=167.80 W,N,S	TYPE C CB A9 TF=173.00 INV=169.40 S,N	24" RCCE A41 INV=169.7
	TYPE C CB A10 TF=174.70 INV=171.50 S	FOREBAY A42 TOP EL=173.0 BOTT EL=172.0 VOL.=2627 CU. FT.
	YARD DRAIN A11 TF=174.8 INV=172.00 W	

DETENTION SYSTEM SCHEDULE(S)

DETENTION SYSTEM A

SURFACE DETENTION BASIN
BOTTOM ELEV=166.0
TOP ELEV=170.0

GENERAL NOTES:

- PERMANENT TURF REINFORCEMENT MATTING FOR SLOPE PROTECTION SHALL BE INSTALLED ON DETENTION BASIN SIDE SLOPES AND WHERE PROPOSED SLOPES ARE 2:1 (OR STEEPER). TEMPORARY MATTING SHALL BE USED FOR SLOPES THAT ARE 3:1 (OR STEEPER) BUT FLATTER THAN 2:1. FOR (INTERIOR DETENTION BASIN SLOPES, USE EROSION CONTROL FABRIC "A" PER SPECIFICATION SECTION 31 05 19.13.
- ALL HIGH DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPING SHALL BE SHALL BE IN CONFORMANCE WITH ASTM D3350. DUCTILE IRON PIPE SHALL CONFORM TO CTDOT MATERIAL SPECIFICATION SECTION M.08.01-6 AND CULVERT ENDS SHALL CONFORM TO CTDOT MATERIAL SPECIFICATION SECTION M.08.01-11.
- REFER TO CONSTRUCTION SEQUENCE AND PLANS FOR INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES.
- ALL CATCH BASINS YARD DRAINS WITHIN THE LIMITS OF WORK SHALL BE FITTED WITH CATCH BASIN INLET PROTECTION DURING CONSTRUCTION.
- ALL YARD DRAINS SHALL BY MANUFACTURED BY NYOLPLAST, OR APPROVED EQUAL AND SHALL HAVE HEAVY-DUTY (H-20 RATED) SOLID COVERS UNLESS NOTED OTHERWISE. WHERE GRATES ARE REQUIRED, THEY SHALL BE 2'X2", HEAVY-DUTY (H-20 RATED).
- ALL CATCH BASINS AND YARD DRAINS SHALL HAVE 2'-DEEP SUMPS AND BE FITTED WITH DEBRIS HOODS (SNOUT) MANUFACTURED BY BEST MANAGEMENT PRACTICES ON THE OUTLET PIPE (ONLY).
- CONTRACTOR IS RESPONSIBLE FOR DEWATERING DURING CONSTRUCTION IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AND SPECIFICATION SECTION 31 23 19.
- REFER TO EROSION AND SEDIMENTATION CONTROL PLANS AND DETAILS FOR MORE SPECIFIC INFORMATION ON EROSION AND SEDIMENTATION CONTROL MEASURES.
- ALL EXISTING DRAINAGE STRUCTURES AND PIPING THAT RECEIVE RUNOFF FROM THE PROJECT OR THAT ARE DIRECTLY CONNECTED TO PROPOSED DRAINAGE FROM THE PROJECT SHALL BE INSPECTED AND CLEANED UPON PROJECT COMPLETION.

WATER QUALITY STRUCTURE DESIGN NOTES:

- WATER QUALITY STRUCTURE (A1) SHALL BE DESIGNED TO TREAT A WATER QUALITY FLOW = 1.4 CFS AND BYPASS A DESIGN FLOW = 5.9 CFS. THE STRUCTURE SHALL BE A CONTECH MODEL, MANUFACTURED BY CONTECH ENGINEERED SOLUTIONS INC., WITH A CONTECH HEAVY-DUTY DUCTILE IRON SOLID COVER. ANY SUBSTITUTION SHALL BE A MODEL AND MANUFACTURER FROM THE CTDOT LIST OF APPROVED HYDRODYNAMIC SEPARATORS AND SHALL BE REVIEWED BY THE DESIGN ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

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- INSTALL SEDIMENTATION CONTROL SYSTEM AROUND THE PERIMETER OF THE BASINS TO PREVENT SEDIMENT LADEN WATER FROM ENTERING THE BASIN.
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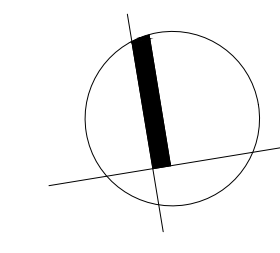
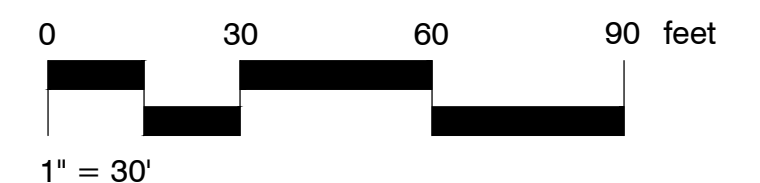
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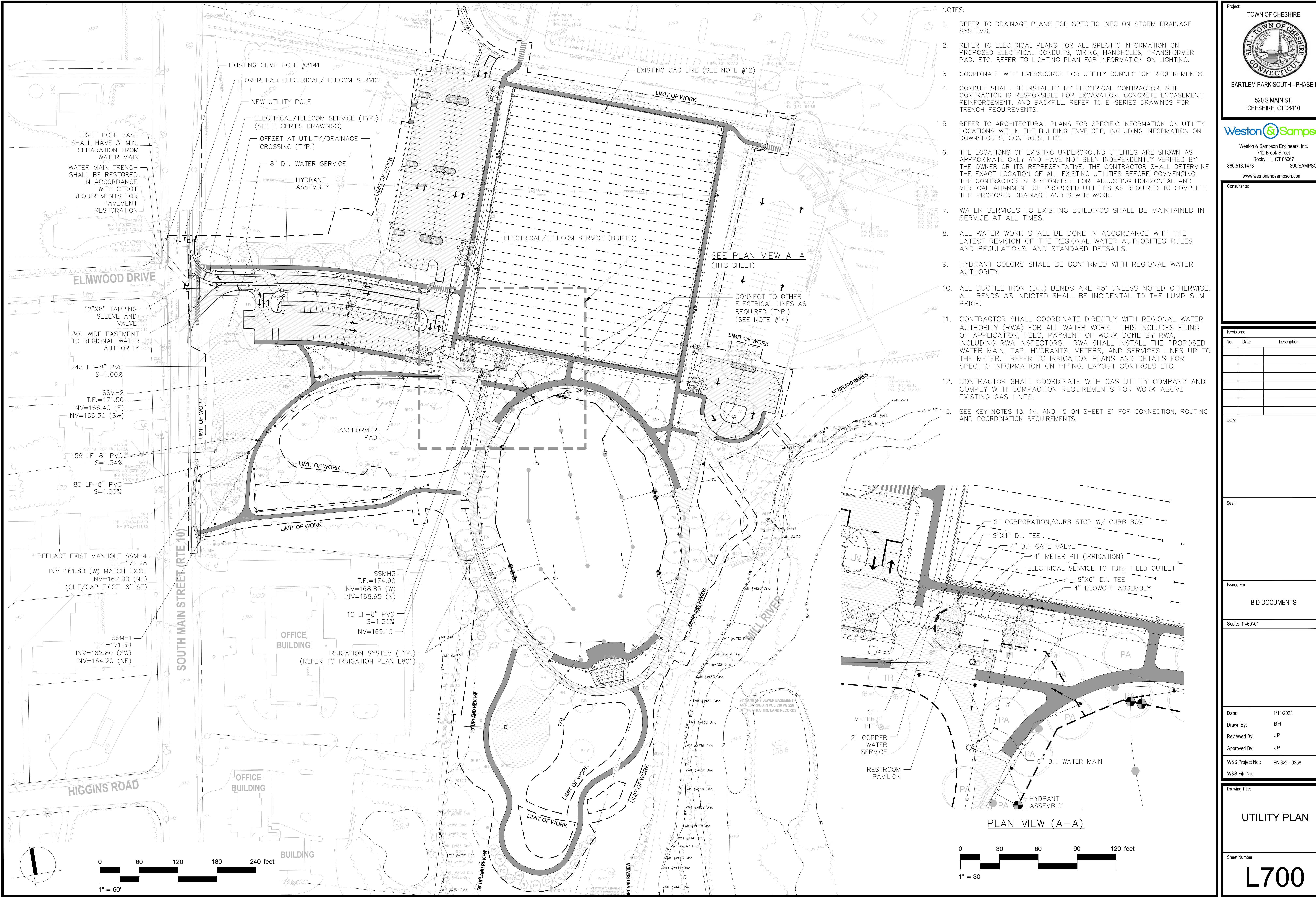
DRAINAGE PLAN - WEST


Sheet Number:

L603

1 WESTERN ENLARGEMENT
SCALE: 1"=30'-0"





Project:
TOWN OF CHESHIRE

BARTLEM PARK SOUTH - PHASE I
520 S MAIN ST,
CHESHIRE, CT 06410

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712 Brook Street
Rocky Hill, CT 06067
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Consultants:

No.	Date	Description

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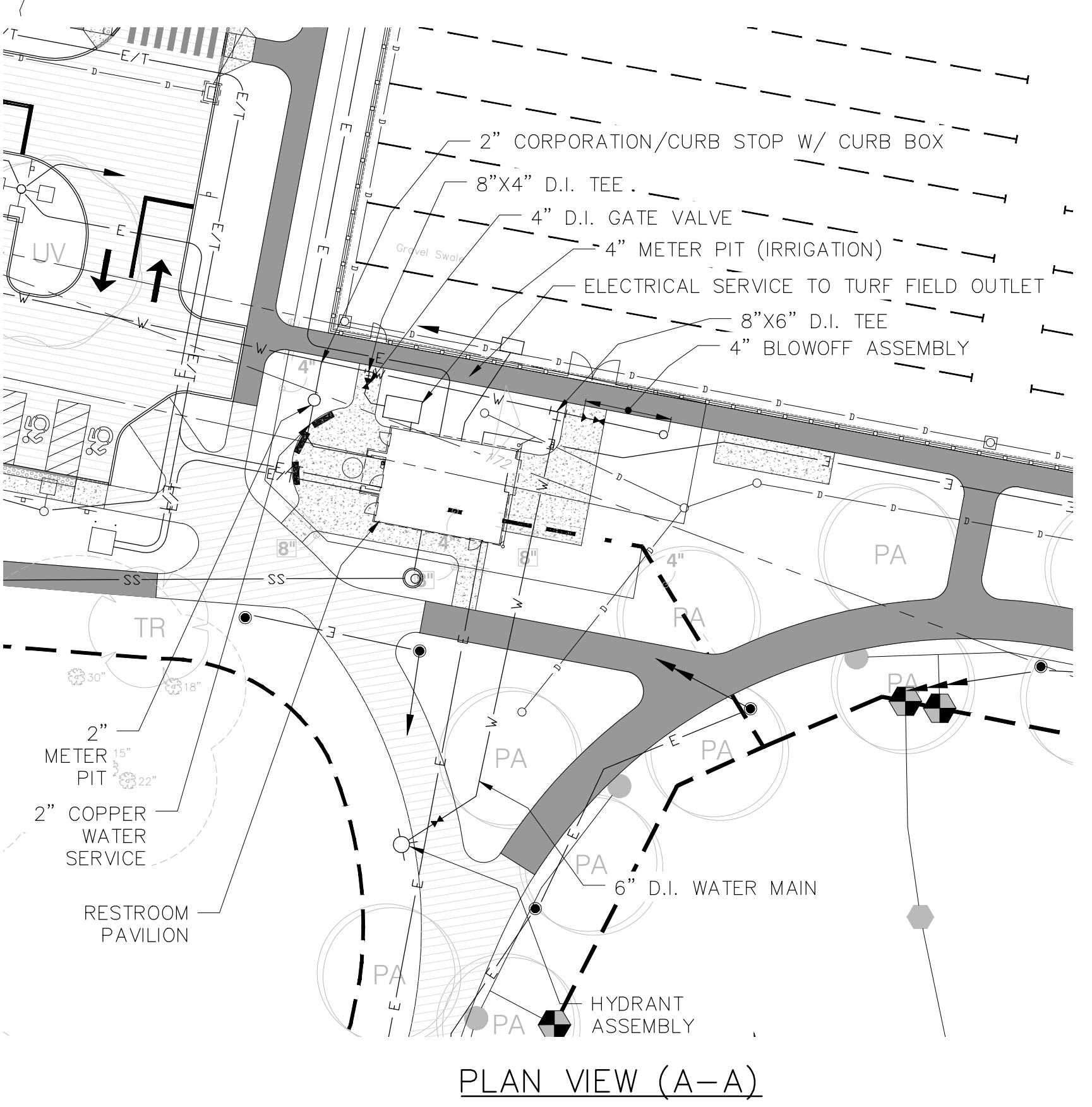
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Date: 1/11/2023
Drawn By: BH
Reviewed By: JP
Approved By: JP

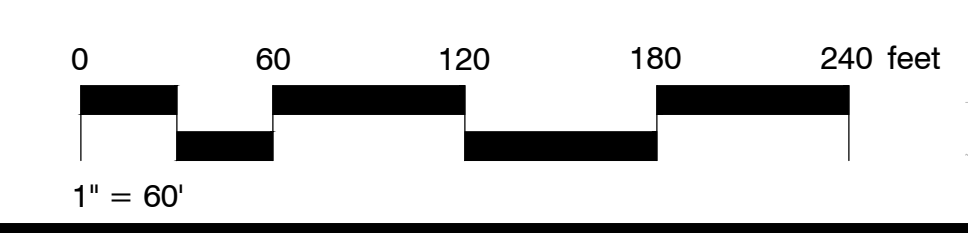
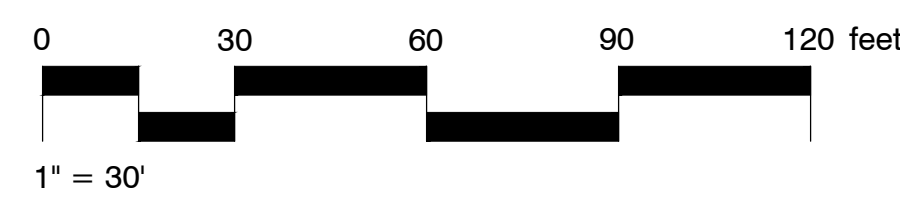
W&S Project No.: ENG22 - 0258
W&S File No.:

Drawing Title:
UTILITY PLAN
Sheet Number:
L700

- NOTES:
1. REFER TO DRAINAGE PLANS FOR SPECIFIC INFO ON STORM DRAINAGE SYSTEMS.
 2. REFER TO ELECTRICAL PLANS FOR ALL SPECIFIC INFORMATION ON PROPOSED ELECTRICAL CONDUITS, WIRING, HANDHOLES, TRANSFORMER PAD, ETC. REFER TO LIGHTING PLAN FOR INFORMATION ON LIGHTING.
 3. COORDINATE WITH EVERSOURCE FOR UTILITY CONNECTION REQUIREMENTS.
 4. CONDUIT SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR. SITE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION, CONCRETE ENCASEMENT, REINFORCEMENT, AND BACKFILL. REFER TO E-SERIES DRAWINGS FOR TRENCH REQUIREMENTS.
 5. REFER TO ARCHITECTURAL PLANS FOR SPECIFIC INFORMATION ON UTILITY LOCATIONS WITHIN THE BUILDING ENVELOPE, INCLUDING INFORMATION ON DOWNSPOUTS, CONTROLS, ETC.
 6. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN AS APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING HORIZONTAL AND VERTICAL ALIGNMENT OF PROPOSED UTILITIES AS REQUIRED TO COMPLETE THE PROPOSED DRAINAGE AND SEWER WORK.
 7. WATER SERVICES TO EXISTING BUILDINGS SHALL BE MAINTAINED IN SERVICE AT ALL TIMES.
 8. ALL WATER WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISION OF THE REGIONAL WATER AUTHORITIES RULES AND REGULATIONS, AND STANDARD DETAILS.
 9. HYDRANT COLORS SHALL BE CONFIRMED WITH REGIONAL WATER AUTHORITY.
 10. ALL DUCTILE IRON (D.I.) BENDS ARE 45° UNLESS NOTED OTHERWISE. ALL BENDS AS INDICATED SHALL BE INCIDENTAL TO THE LUMP SUM PRICE.
 11. CONTRACTOR SHALL COORDINATE DIRECTLY WITH REGIONAL WATER AUTHORITY (RWA) FOR ALL WATER WORK. THIS INCLUDES FILING OF APPLICATION, FEES, PAYMENT OF WORK DONE BY RWA, INCLUDING RWA INSPECTORS. RWA SHALL INSTALL THE PROPOSED WATER MAIN, TAP, HYDRANTS, METERS, AND SERVICES LINES UP TO THE METER. REFER TO IRRIGATION PLANS AND DETAILS FOR SPECIFIC INFORMATION ON PIPING, LAYOUT CONTROLS ETC.
 12. CONTRACTOR SHALL COORDINATE WITH GAS UTILITY COMPANY AND COMPLY WITH COMPACTION REQUIREMENTS FOR WORK ABOVE EXISTING GAS LINES.
 13. SEE KEY NOTES 13, 14, AND 15 ON SHEET E1 FOR CONNECTION, ROUTING AND COORDINATION REQUIREMENTS.



PLAN VIEW (A-A)



Consultants:

No.	Date	Description

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Revisions:

No.	Date	Description

COA:

Seal:

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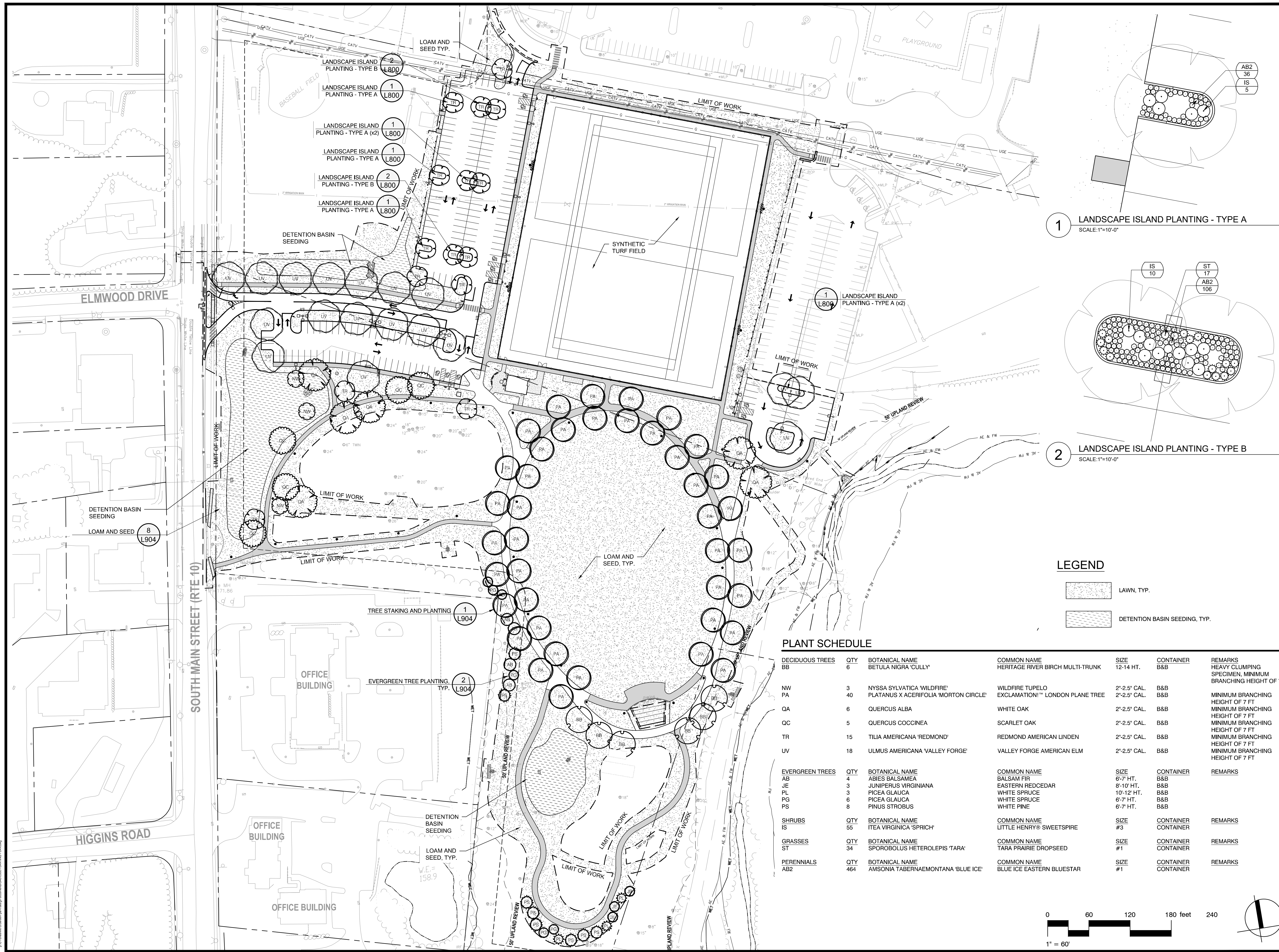
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Reviewed By:	RC
Approved By:	DB
W&S Project No.:	ENG22 - 0258
W&S File No.:	

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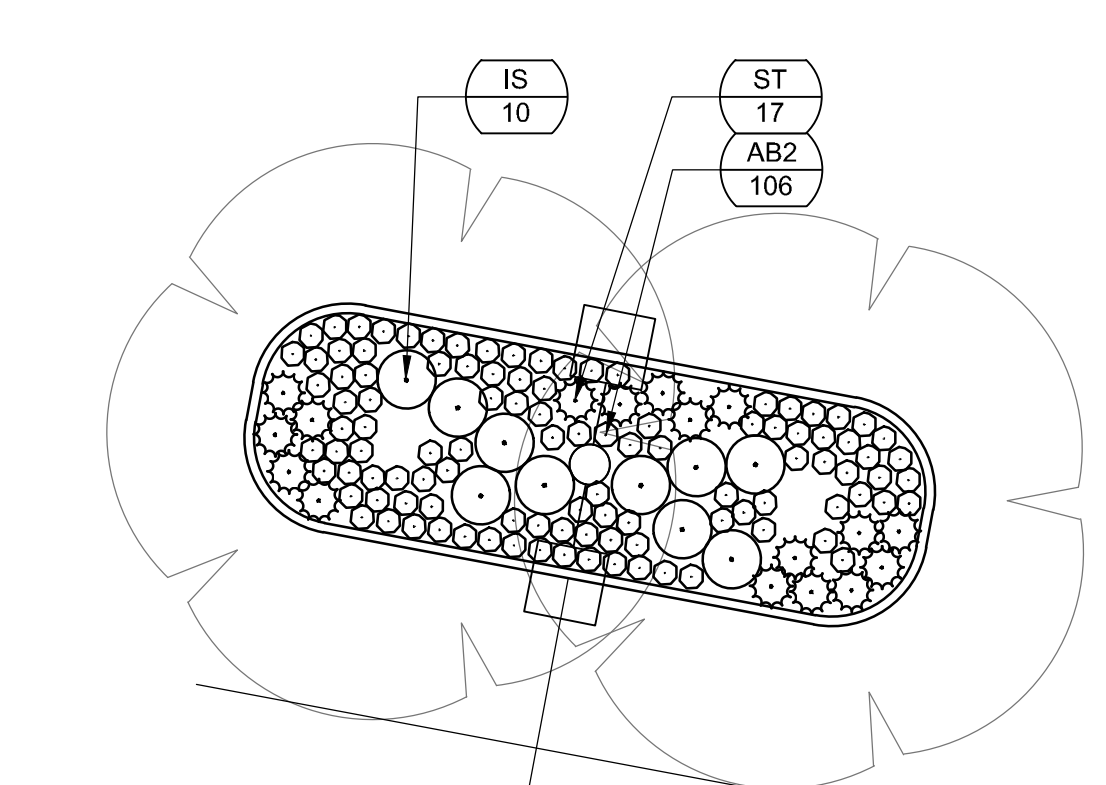
PLANTING PLAN

Sheet Number:

L800



1 LANDSCAPE ISLAND PLANTING - TYPE A
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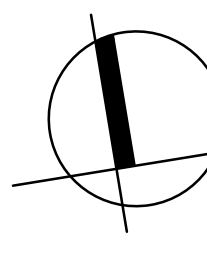
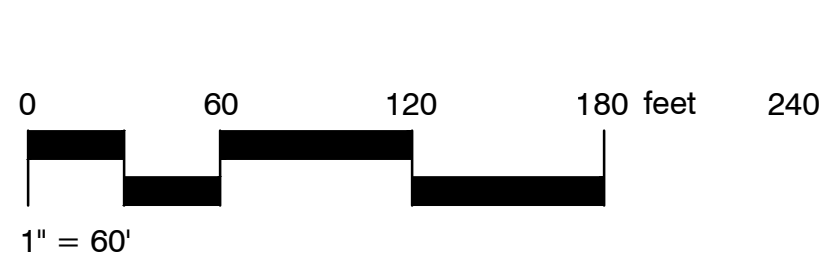
2 LANDSCAPE ISLAND PLANTING - TYPE B
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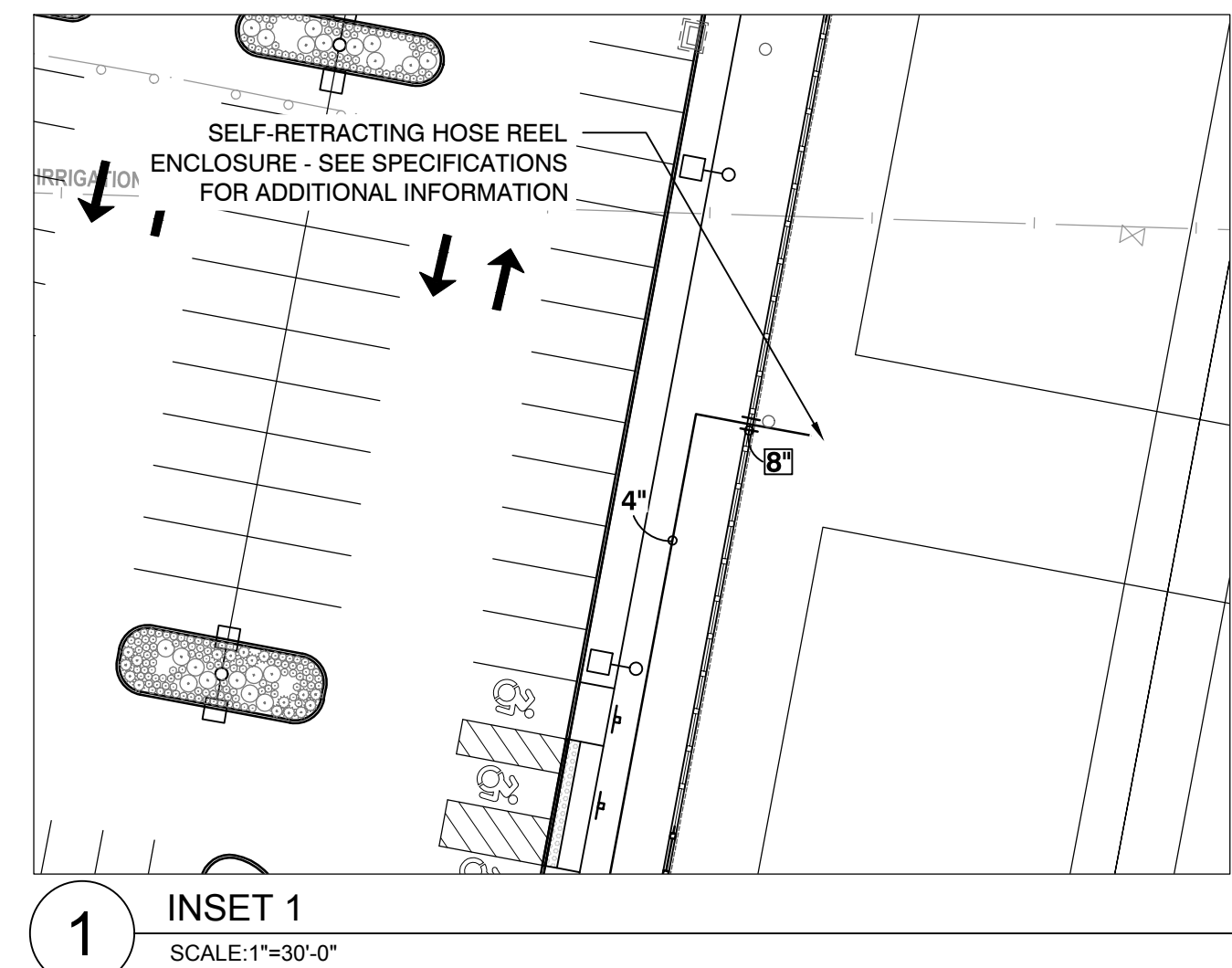
LEGEND

- LAWN, TYP.
- DETENTION BASIN SEEDING, TYP.

PLANT SCHEDULE

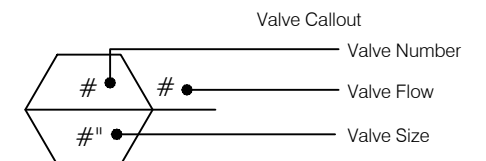
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
BB	6	BETULA NIGRA 'CULLY'	HERITAGE RIVER BIRCH MULTI-TRUNK	12-14 HT.	B&B	HEAVY CLUMPING SPECIMEN, MINIMUM BRANCHING HEIGHT OF 7 FT
NW	3	NYSSA SYLVATICA 'WILDFIRE'	WILDFIRE TUPELO	2'-2.5" CAL.	B&B	MINIMUM BRANCHING HEIGHT OF 7 FT
PA	40	PLATANUS X ACERIFOLIA 'MORTON CIRCLE'	EXCLAMATION!™ LONDON PLANE TREE	2'-2.5" CAL.	B&B	MINIMUM BRANCHING HEIGHT OF 7 FT
QA	6	QUERCUS ALBA	WHITE OAK	2'-2.5" CAL.	B&B	MINIMUM BRANCHING HEIGHT OF 7 FT
QC	5	QUERCUS COCCINEA	SCARLET OAK	2'-2.5" CAL.	B&B	MINIMUM BRANCHING HEIGHT OF 7 FT
TR	15	TILIA AMERICANA 'REDMOND'	REDMOND AMERICAN LINDEN	2'-2.5" CAL.	B&B	MINIMUM BRANCHING HEIGHT OF 7 FT
UV	18	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE AMERICAN ELM	2'-2.5" CAL.	B&B	MINIMUM BRANCHING HEIGHT OF 7 FT
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
AB	4	ABIES BALSAMEA	BALSAM FIR	6'-7" HT.	B&B	
JE	3	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	8'-10" HT.	B&B	
PL	3	PICEA GLAUCA	WHITE SPRUCE	10'-12" HT.	B&B	
PG	6	PICEA GLAUCA	WHITE SPRUCE	6'-7" HT.	B&B	
PS	8	PINUS STROBUS	WHITE PINE	6'-7" HT.	B&B	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
IS	55	ITEA VIRGINICA 'SPRICH'	LITTLE HENRY® SWEETSPIRE	#3	CONTAINER	
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
ST	34	SPOROBOLUS HETEROLEPIS 'TARA'	TARA PRAIRIE DROPSSEED	#1	CONTAINER	
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
AB2	464	AMSONIA TABERNAEMONTANA 'BLUE ICE'	BLUE ICE EASTERN BLUESTAR	#1	CONTAINER	





IRRIGATION SCHEDULE

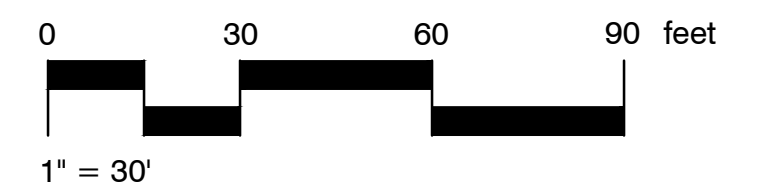
SYMBOL	MANUFACTURER/MODEL	QTY	DTL
38	HUNTER I-90-36V 38	12	7/L.802
43	HUNTER I-90-ADV 43	18	7/L.802
SYMBOL	MANUFACTURER/MODEL	QTY	DTL
3	HUNTER ICV-G 3" (ELECTRIC CONTROL VALVE)	9	6/L.802
4	HUNTER HQ-44RC 1" (QUICK COUPLING VALVE)	3	5/L.802
5	SHUT OFF VALVE	1	
6	WATTS LF909 4" (BACKFLOW PREVENTER)	1	1/L.802
C	HUNTER HCC-1600-PL (CONTROLLER)	1	4/L.802
R	HUNTER WR-CLIK (RAIN SENSOR)	1	
POC	POINT OF CONNECTION 4"	1	
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	1,039 L.F.	3/L.802
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2 1/2"	225.2 L.F.	3/L.802
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	248.0 L.F.	3/L.802
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 4"	734.8 L.F.	3/L.802
---	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 4"	839.0 L.F.	3/L.802
---	PIPE SLEEVE: PVC SCHEDULE 40 8"	60.8 L.F.	




IRRIGATION NOTES

1. ALL WORK IS TO BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AND THE MOST RECENT REGIONAL WATER AUTHORITY (RWA) REGULATIONS.
2. INSTALL ALL PRODUCTS PER MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS.
3. ALL UNDERGROUND ELECTRICAL CONNECTIONS ARE TO BE MADE WITH 3-M WIRE CONNECTORS, DBY.
4. ALL REMOTE CONTROL VALVES ARE TO BE INSTALLED IN VALVE BOXES OF APPROPRIATE SIZE.
5. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED FOR DIRECT BURY.
6. ALL ROTORS AND SPRAY POP-UPS SHALL BE INSTALLED ON SWING PIPE.
7. ALL QCV SHALL BE INSTALLED ON 3-ELBOW PVC SWING JOINTS.
8. SYSTEM DESIGN BASED UPON 133 GPM @ 90 PSI.
9. ANY CHANGES IN AVAILABILITY OF SUPPLY SHOULD BE NOTED AND MODIFICATIONS TO THE DESIGN SHOULD BE MADE.
10. CONTRACTOR TO VERIFY WATER PRESSURE AND AVAILABILITY PRIOR TO INSTALLATION.
11. THE LOCATION OF ALL IRRIGATION IS DIAGRAMMATIC AND SUBJECT TO FIELD VERIFICATION.
12. ANY IRRIGATION PIPING SHOWN OUTSIDE OF CURBS FOR CLARITY ONLY.
13. 120V. TO CONTROLLER AND COPPER STUB, BY OTHER THAN IRRIGATION CONTRACTOR.
14. A BOOSTER PUMP IS REQUIRED IF SYSTEM DOES NOT MEET THE DESIGN PRESSURE.
15. THE CONTRACTOR IS RESPONSIBLE FOR THEIR OWN MATERIAL TAKE OFF.

N/F
TOWN OF CHESHIRE
520 SOUTH MAIN
STREET
MAP 71 / LOT 17
VOL. 709 PG 111



Project: TOWN OF CHESHIRE

 BARTLEM PARK SOUTH - PHASE I
 520 S MAIN ST,
 CHESHIRE, CT 06410

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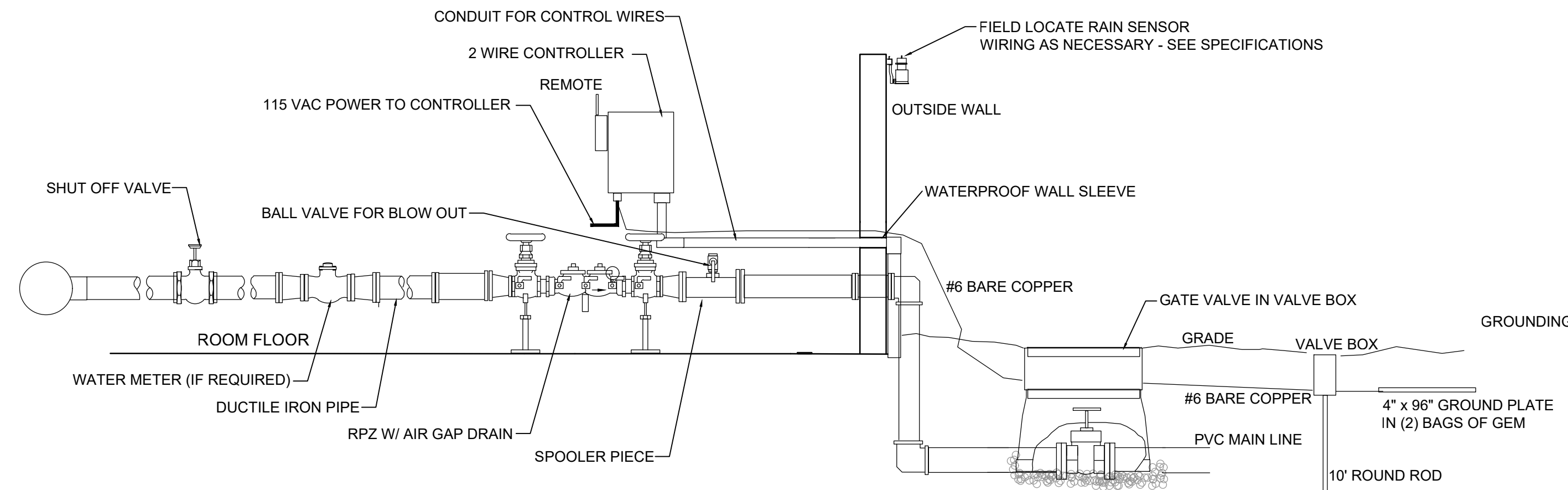
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Date: 1/11/2023
 Drawn By: JG
 Reviewed By: RC
 Approved By: DB

W&S Project No.: ENG22 - 0258
 W&S File No.:

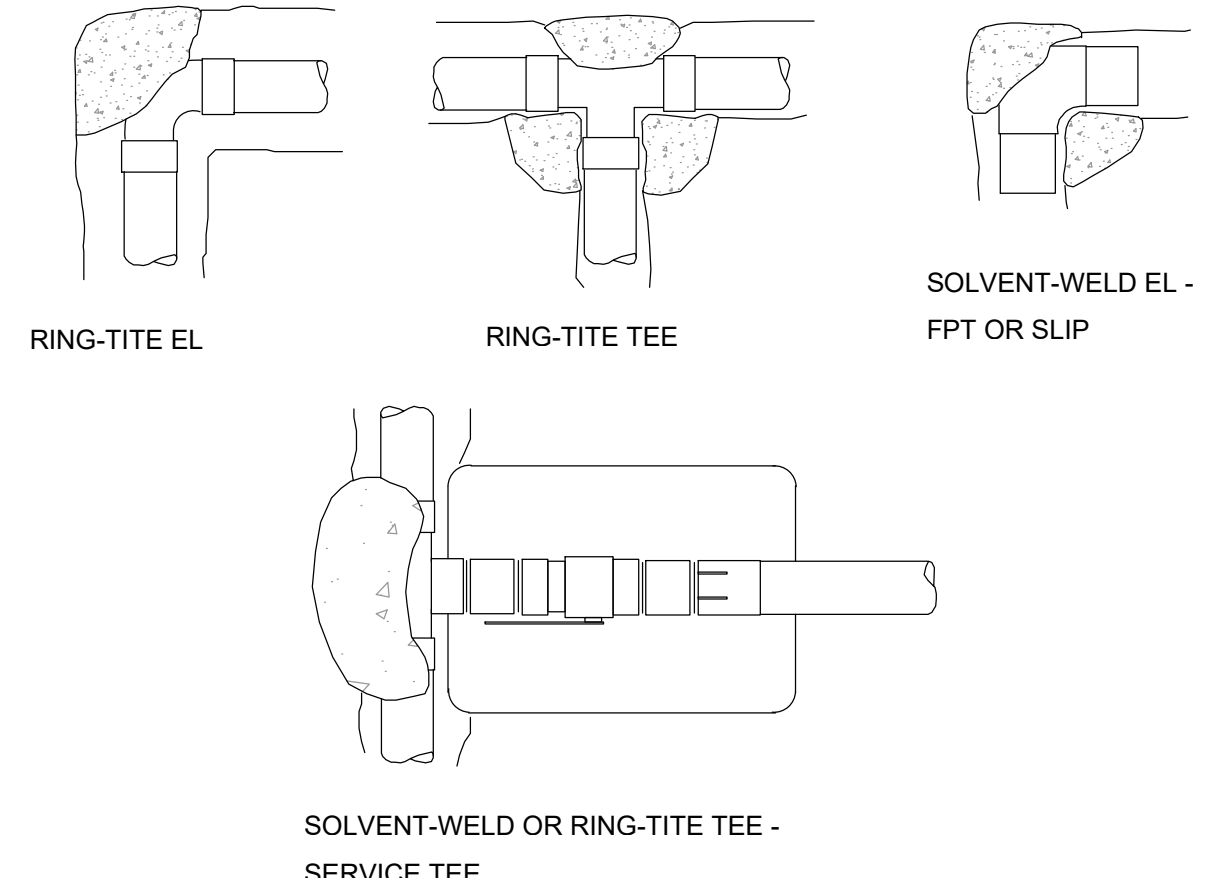
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L801

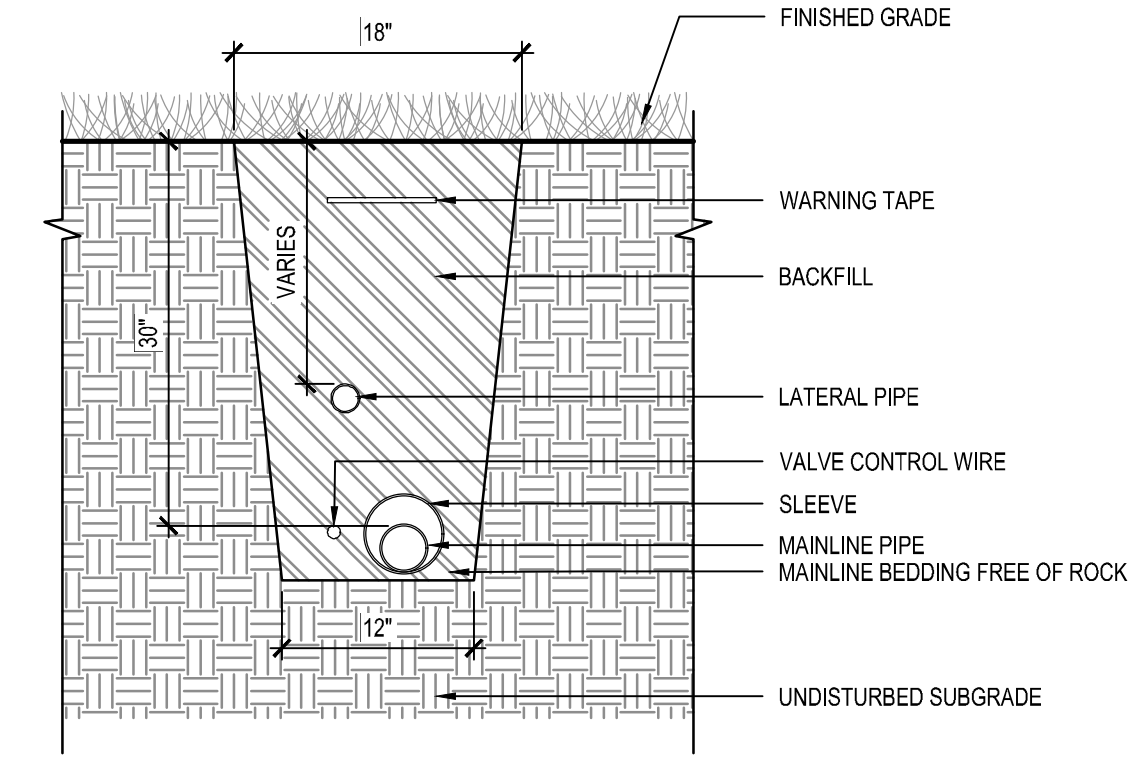


- NOTES:
1. CONFIRM FINAL LOCATION OF BLACKFLOW PREVENTER WITH OWNER'S REPRESENTATIVE - SEE PLANS & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 2. BACKFLOW PREVENTOR TO BE 3" WATTS LF909, WILKINS 375XL, OR APPROVED EQUAL - REFER TO SPECIFICATIONS. INSTALL SYSTEM & CONNECTIONS PER MANUFACTURER REQUIREMENTS & RECOMMENDATIONS AND IN ACCORDANCE WITH REGIONAL WATER AUTHORITY REGULATIONS.

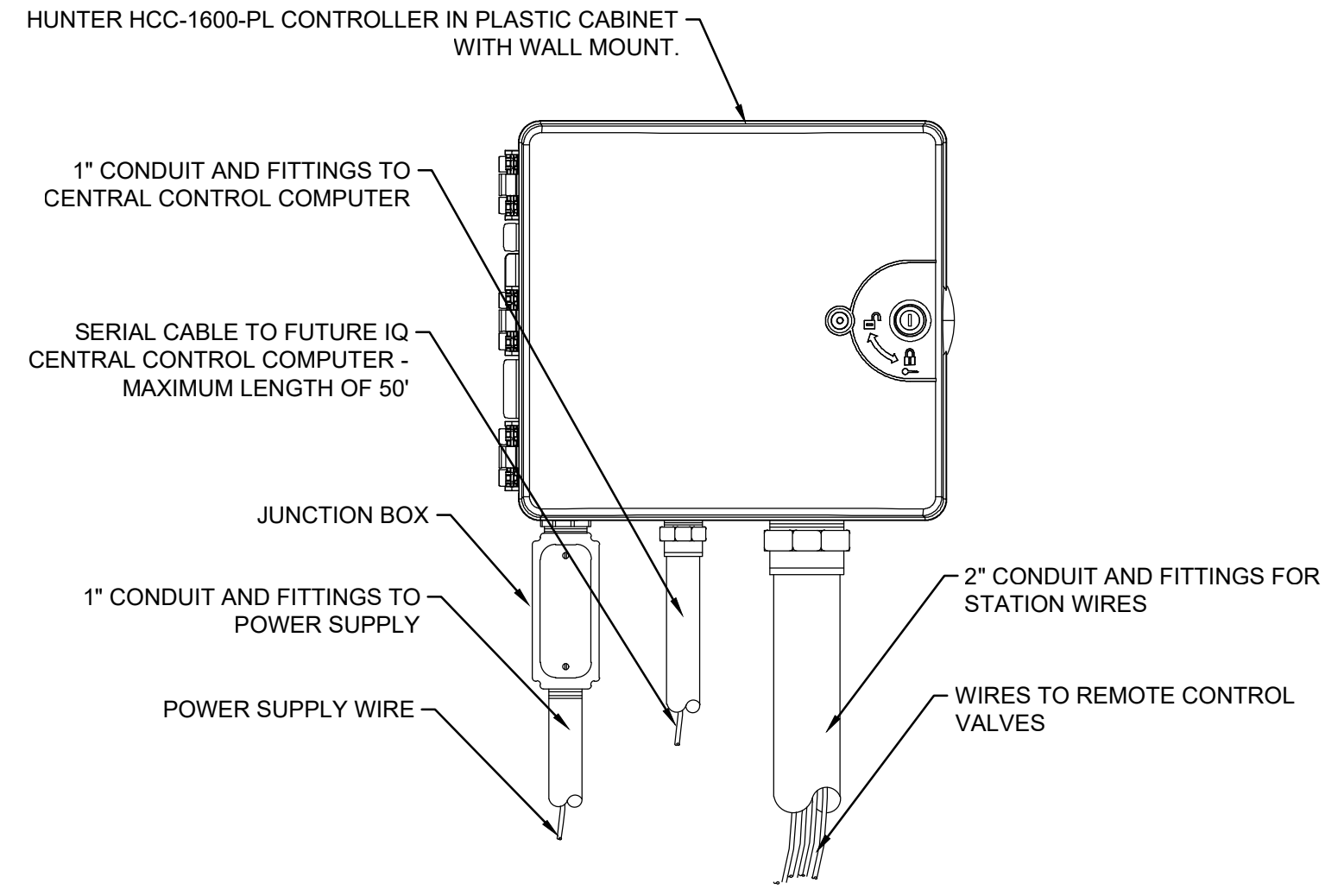
1 IRRIGATION BACKFLOW PREVENTER
NOT TO SCALE CT-BP-79



2 IRRIGATION THRUST BLOCKS
NOT TO SCALE CT-BP-80

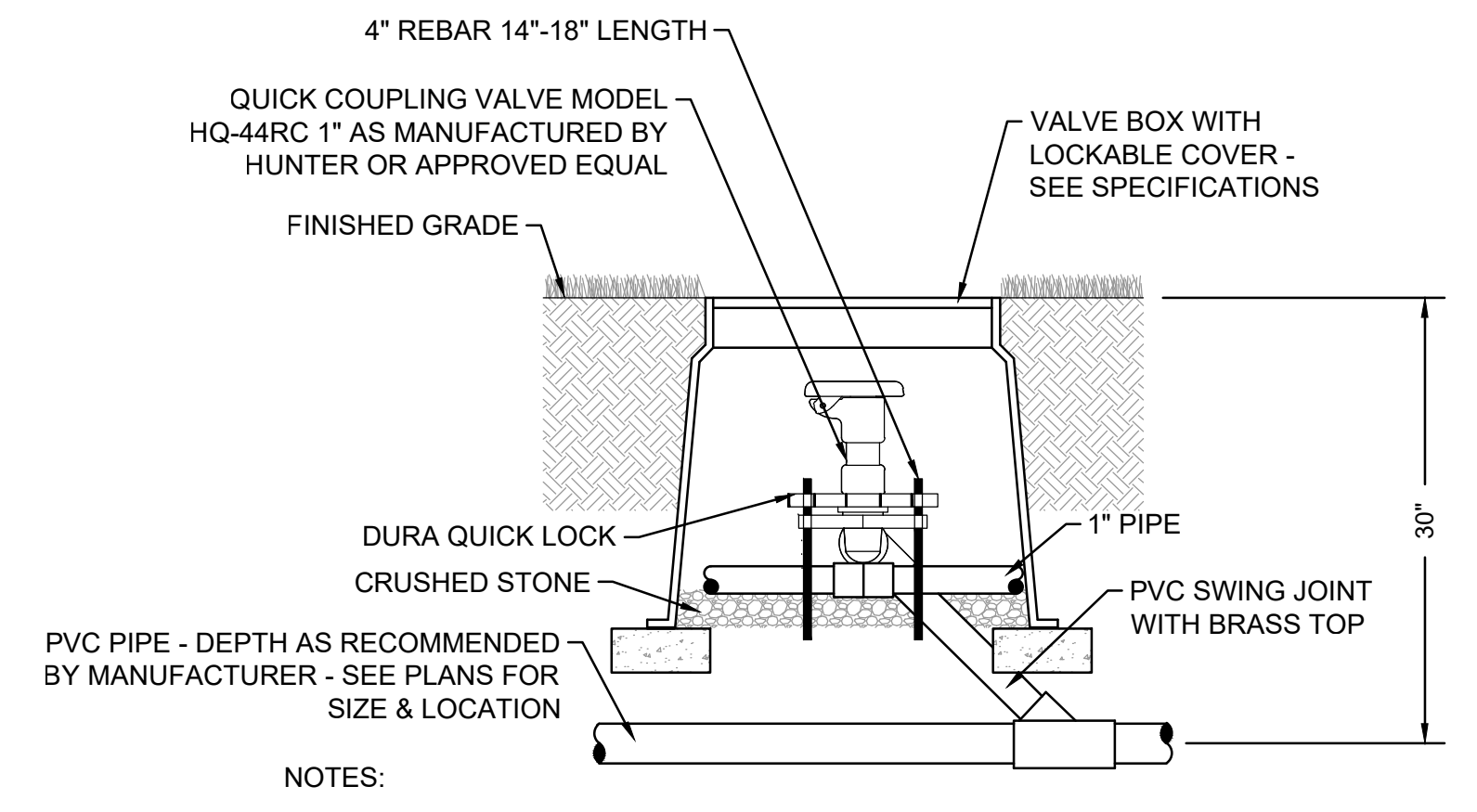


3 IRRIGATION TRENCH, TYP.
NOT TO SCALE CT-BP-23



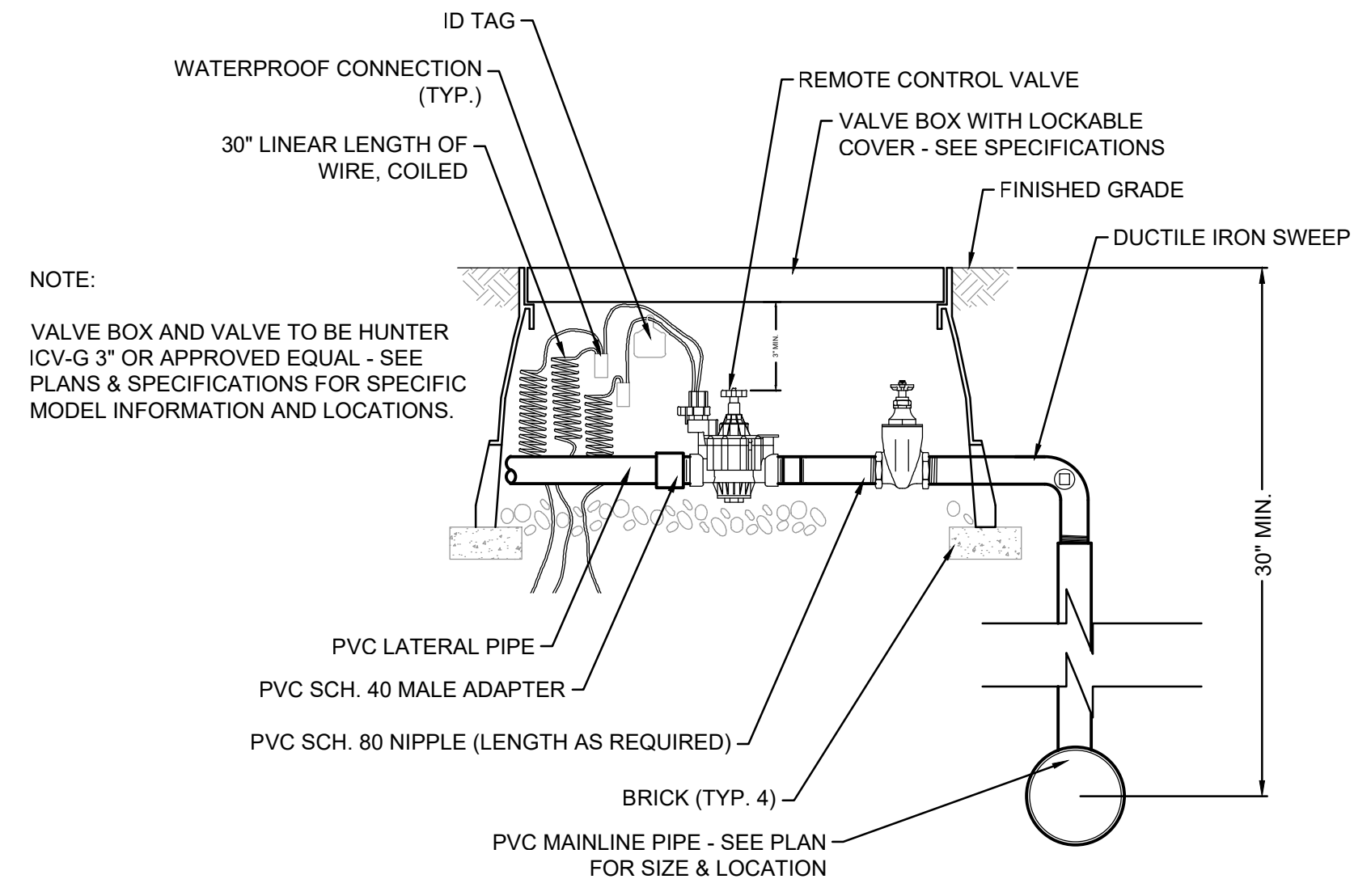
- NOTES:
1. REFER TO PLANS FOR SPECIFIC MODEL INFORMATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
 3. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH. 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
 4. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.
 5. USE PE-CABLE WITH SHORT HAUL MODEMS FOR INSTANCES WHERE CONTROLLER IS MORE THAN 50 FEET FROM IQ CENTRAL CONTROL COMPUTER.
 6. CONFIRM FINAL LOCATION OF IRRIGATION CONTROL PANEL WITH OWNER'S REPRESENTATIVE.

4 IRRIGATION CONTROLLER
NOT TO SCALE CT-BP-81



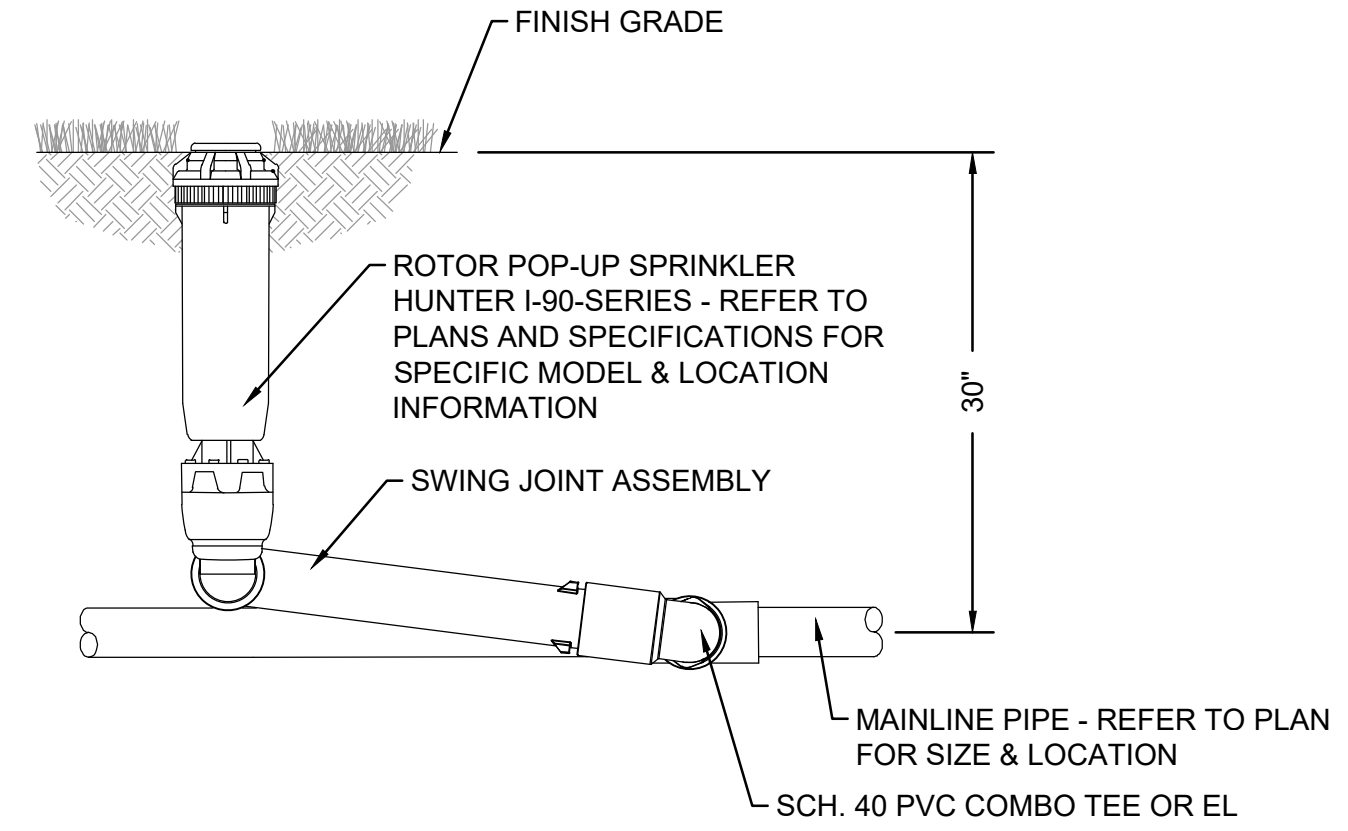
- NOTES:
1. ANGLE NOT TO EXCEED 45°.
 2. VALVE BOX TO BE INSTALLED AT GRADE AND BE PROVIDED WITH A LOCKABLE COVER.
 3. QUICK COUPLER TO BE INSTALLED 2"-3" BELOW GRADE.
 4. SEE PLAN FOR SPECIFIC MODEL INFORMATION AND LOCATION.

5 IRRIGATION QUICK COUPLER & VALVE BOX
NOT TO SCALE CT-BP-82



- NOTE:
- VALVE BOX AND VALVE TO BE HUNTER (CV-4-G 3" OR APPROVED EQUAL - SEE PLANS & SPECIFICATIONS FOR SPECIFIC MODEL INFORMATION AND LOCATIONS.

6 IRRIGATION VALVE & VALVE BOX
NOT TO SCALE CT-BP-83



7 IRRIGATION ROTOR ASSEMBLY
NOT TO SCALE CT-BP-84

Consultants:

Revisions:

No.	Date	Description

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Date: 1/11/2023
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Reviewed By: --
Approved By: --
W&S Project No.: ENG22 - 0258
W&S File No.:

Drawing Title:
IRRIGATION DETAILS

Sheet Number:
L802

EROSION CONTROL NOTES

PROJECT DESCRIPTION

THE PROJECT INVOLVES THE CONSTRUCTION OF A NEW ATHLETIC FIELD AND RECREATION COMPLEX AND ASSOCIATED BUILDINGS, PAVING, UTILITIES, CURBING, SIDEWALK, FENCING, STORMWATER MANAGEMENT SYSTEM(S), AND LANDSCAPING. THE PROJECT IS LOCATED AT 502 SOUTH MAIN STREET, CHESHIRE, CONNECTICUT.

WATER EROSION CONTROL MEASURES

EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIST OF COMPOST FILTER TUBES, NON-WOVEN FILTER FABRIC MATERIAL WITH A WIRE MESH BACKING, OR A WOVEN FABRIC (SILT FENCE). ALL MATERIAL SHALL BE NEW AND FREE FROM DEFECTS THAT WOULD COMPROMISE THE EFFECTIVENESS OF THE CONTROL MEASURES. AFTER COMPLETION, ALL MATERIAL SHALL BE DISPOSED OF PROPERLY. LOCATION OF EROSION AND SEDIMENT CONTROL STRUCTURES CAN BE SEEN ON THE SITE PLAN (SEE LEGEND FOR CONTROL STRUCTURE SYMBOL). NOTE: ALL WATER CONTROL MEASURES ARE LOCATED DOWN-GRADIENT FROM DISTURBED AREAS. IF TOPSOIL IS TO BE STORED IN AN AREA NOT SHOWN ON THE SITE PLAN, DUE TO UNFORESEEN EVENTS, PRIOR TO STORING, THE DOWN-GRADIENT PERIMETER OF THE STORAGE AREA SHALL BE PROPERLY PROTECTED PER THE SPECIFICATIONS DETAILED ON THIS PLAN.

WIND EROSION CONTROL MEASURES

DURING DRY WEATHER CONDITIONS, DISTURBED AREAS SHALL BE PROTECTED AGAINST WIND EROSION. DUSTY AREAS SHALL BE SPRAYED WITH WATER TO PREVENT WIND-BORNE PARTICLES.

CONSTRUCTION LITTER CONTROL

DURING CONSTRUCTION, ALL WRAPPINGS, BOXES, SCRAPS OF BUILDING MATERIAL, AND OTHER LITTER ITEMS SHALL BE DISPOSED OF PROPERLY BY USE OF A DUMPSTER OR CARTED AWAY. THE SITE SHALL BE INSPECTED AND CLEANED DAILY DURING CONSTRUCTION.

TYPICAL CONSTRUCTION SEQUENCE

PRIOR TO THE DEVELOPMENT OF THE PARCEL, EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED AS SHOWN ON PLAN. REFER TO THE EROSION & SEDIMENTATION CONTROL PLAN FOR THE PHASED SEQUENCE OF CONSTRUCTION.

CONTINGENCY PLAN

IN THE EVENT OF AN UNFORSEEN EROSION AND SEDIMENTATION CONTROL ISSUE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER (TOWN OF CHESHIRE), THE DESIGN ENGINEER, WESTON & SAMPSON (860) 513-1473 TO DETERMINE A PROPER COURSE OF ACTION TO REMEDY THE ISSUE.

TEMPORARY SEEDING

STOCKPILES OR SLOPES WHICH EXIST FOR LONG DURATIONS AND EXHIBIT STABILITY ISSUES SHALL BE TEMPORARILY SEEDED IN ACCORDANCE WITH THE SPECIFICATIONS.

DURING THIS TIME ALL EROSION AND SEDIMENT STRUCTURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL ONLY TAKE PLACE WHERE IMMEDIATELY REQUIRED TO FURTHER CONSTRUCTION. IT IS DESIRABLE FROM AN EROSION PREVENTION CONCERN TO MINIMIZE DISTURBED AREAS. FINAL GRADING AND SEEDING SHALL TAKE PLACE AS SOON AS PRACTICAL.

A RAIN GAUGE SHALL BE PLACED BY THE CONTRACTOR IN A WORKABLE LOCATION AND MONITORED DURING RAINFALL PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED. IN THE EVENT THERE IS A RAINFALL GREATER THAN 1/2" IN A 12 HOUR PERIOD, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS REQUIRED. IF NO RAIN GAUGE IS USED, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AFTER ALL RAINFALL EVENTS.

A CHECK LIST PROVIDED BY THE OWNER'S REPRESENTATIVE SHALL BE FILLED OUT EVERY WEEK OR AFTER EACH RAINFALL EVENT OF 1/2" OR GREATER.

SEEDING

ALL DISTURBED AREAS SHALL BE RESTORED WITH A VEGETATIVE STABILIZATION MATERIAL (GRASS). THE SOIL SHALL BE ADJUSTED TO A PH OF 5.7 OR HIGHER. THIS CAN BE DONE BY USING THE APPROPRIATE AMOUNT OF GROUND LIMESTONE OR FERTILIZER, AS REQUIRED BY A SOIL TEST. IF A TEST IS NOT PERFORMED, THE AREA SHALL BE FERTILIZED WITH 10-10-10 OR EQUAL AT A RATE OF 300 POUNDS PER ACRE (11 POUNDS PER 1000 SQUARE FEET). THE LIME OR FERTILIZER SHALL BE WORKED INTO THE SOIL A MINIMUM OF 4 INCHES. ALL STONES TWO INCHES OF LARGER IN DIAMETER SHALL BE REMOVED ALONG WITH ALL DELETERIOUS MATERIAL (SUCH AS BUILDING MATERIAL WASTE, STUMPS, ETC.). THE SEED SHALL BE APPLIED BY EITHER HAND, CYCLONE SEEDER, A CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING BOTH SEED AND FERTILIZER). HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE. REFER TO SPECIFICATION 32 90 19 FOR THE REQUIRED SEED MIX. RECOMMENDED SEEDING DATES ARE APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 1. ALL SEEDED AREAS SHALL BE MAINTAINED TO ENSURE PROPER GROWTH AND TO MINIMIZE EROSION.

MULCH

MULCH SHALL CONSIST OF STRAW. IT SHALL BE APPLIED AT A RATE OF 1.5 - 2.0 TONS PER ACRE, OR 70 - 90 POUNDS (1-1/2 - 2) BALES PER 1000 SQUARE FEET (31.6' X 31.6'). ALL MULCH MATERIAL SHALL BE FREE FROM WEEDS AND COARSE MATTER. ALL REQUIRED GRADING SHALL BE COMPLETE PRIOR TO PLACEMENT OF MULCH. APPLICATION OF MULCH MATERIAL SHALL BE BY HAND OR MACHINE AND UNIFORM IN THICKNESS. MULCH MATERIAL SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION TO MINIMIZE WINDBLOWN DISTURBANCE. ANCHORING SHALL BE BY MECHANICAL DEVICE OR LIQUID MULCH BINDER DURING MULCH APPLICATION.

GENERAL NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, OR LATEST REVISION.

A CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES WILL BE REQUIRED FOR THE PROPOSED PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND COMPLIANCE WITH THE APPROVED STORMWATER POLLUTION CONTROL PLAN (SPCP).

ALL DISTURBED AREAS SHALL BE KEPT TO A MINIMUM. FINAL GRADING AND RESTORATION SHALL BE ACCOMPLISHED AS SOON AS PRACTICAL.

EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO SITE WORK. IF IT IS NOT POSSIBLE TO DO SO, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN ORDER TO MAINTAIN THE INTEGRITY OF DESIGN.

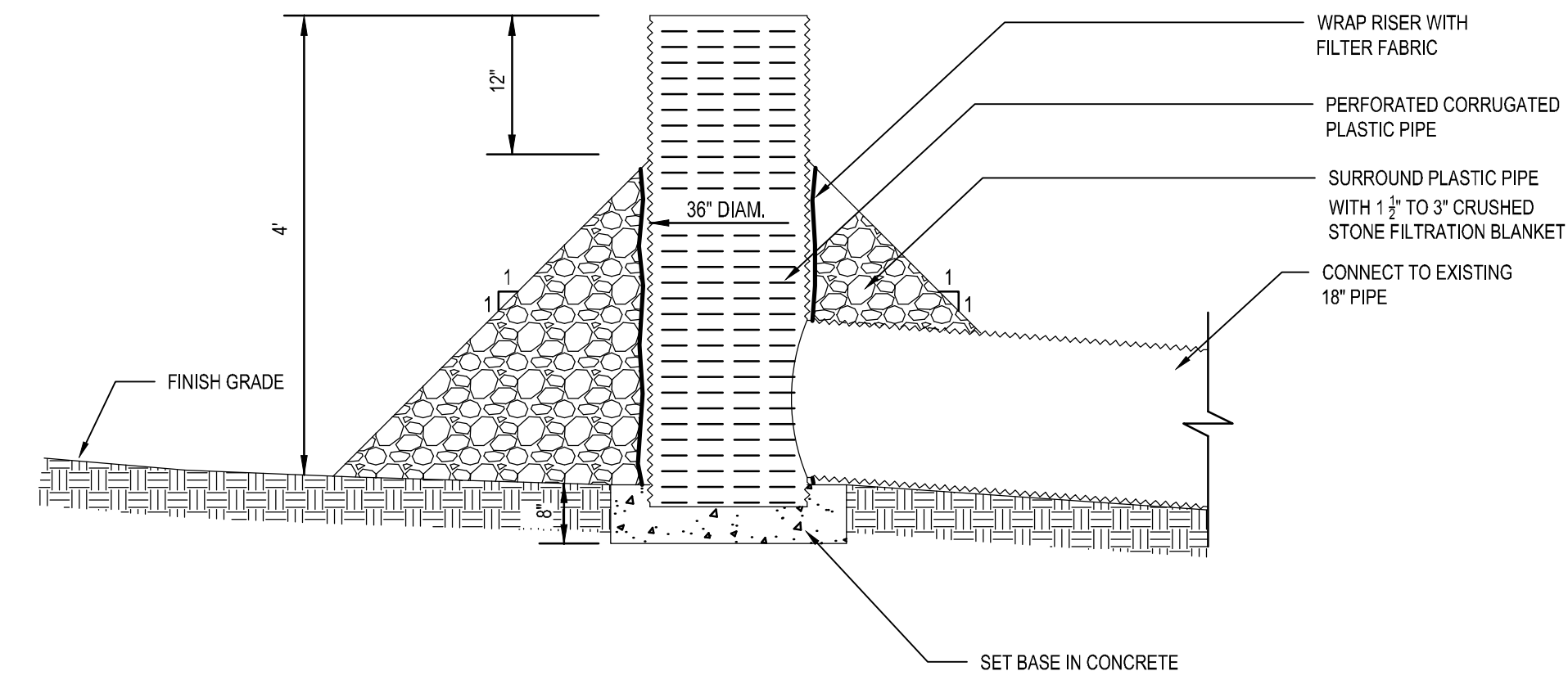
ALL CONTROL STRUCTURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED WHEN STABILIZATION HAS BEEN ATTAINED. IF THE PROPOSED CONTROL MEASURES ARE NOT SATISFACTORY, ADDITIONAL CONTROL MEASURES SHALL BE TAKEN.

ALL RUNOFF FROM THE DISTURBED AREA SHALL BE CONTROLLED AND FILTERED. NON-WOVEN SYNTHETIC FIBER FILTER FABRIC, COMPOST FILTER TUBES OR SILTATION FENCE SHALL BE USED IN THE AREAS SHOWN ON THE SITE PLAN AND INSTALLED AS SHOWN ON THIS PLAN.

CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND EROSION CONTROL MEASURES. THIS RESPONSIBILITY INCLUDES THE ACQUISITION OF MATERIALS, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT STRUCTURES, THE COMMUNICATION AND DETAILED EXPLANATION TO ALL PEOPLE INVOLVED IN THE SITE WORK OF THE REQUIREMENTS AND OBJECTIVE OF THE EROSION AND SEDIMENT CONTROL MEASURES. TWO WEEKS PRIOR TO THE START OF WORK AND UPON SUBMISSION OF A ZONING PERMIT, THE CONTRACTOR SHALL SUBMIT A WORKING PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR THE IMPLEMENTATION OF THIS PLAN. UNTIL THAT TIME AT WHICH A CONTRACTOR IS SELECTED, THE OWNER (TOWN OF CHESHIRE), MAREK KEMENT (TOWN ENGINEER), (203) 271-6650 SHALL BE LISTED AS THE RESPONSIBLE PARTY.

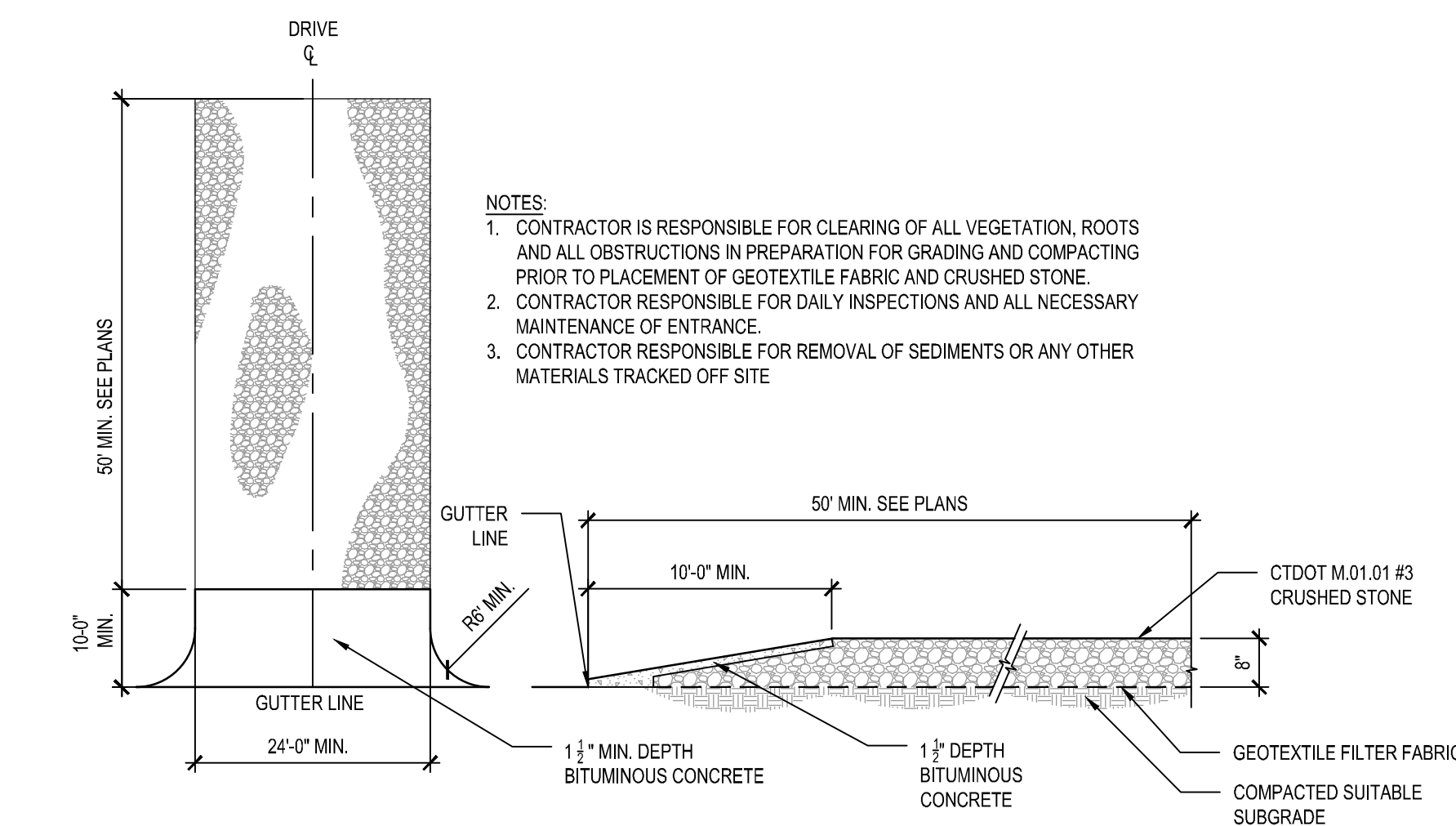
THE DESIGN ENGINEER SHALL BE NOTIFIED OF ANY PROPOSED ALTERATION TO THE EROSION AND SEDIMENTATION CONTROL PLAN, PRIOR TO ALTERING, IN ORDER TO ENSURE THE FEASIBILITY OF THE ADDITION, SUBTRACTION, OR CHANGE IN THE PLAN.

CONTRACTOR SHALL INSPECT SEDIMENTATION CONTROL MEASURES FOR SEDIMENT AFTER RAINSTORMS OF 1/2 INCH OR MORE AND CLEAN AS NEEDED. ENSURE THAT ENTIRE SITE IS CLEANED OF DEBRIS AND SEDIMENT UPON COMPLETION OF WORK.



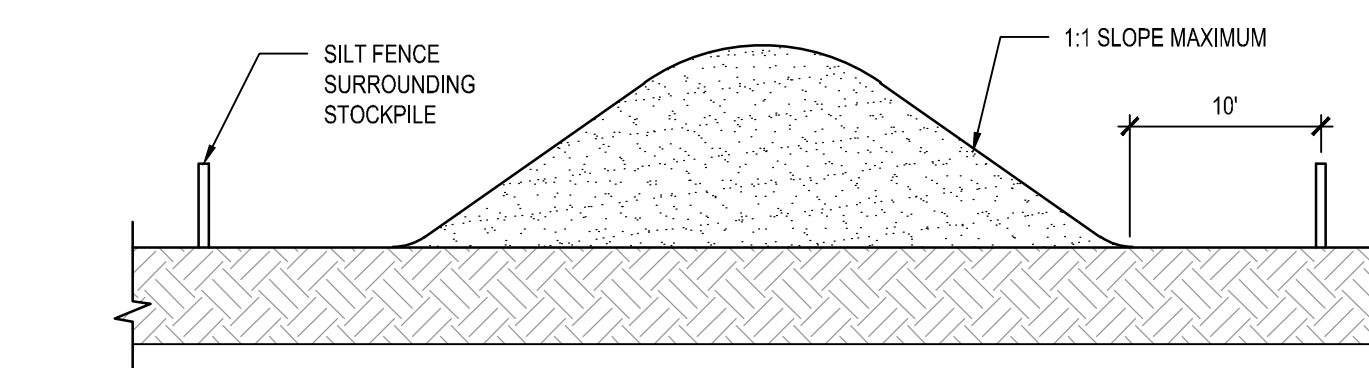
1 TEMPORARY OUTLET CONTROL STRUCTURE

NOT TO SCALE CT-BP-66



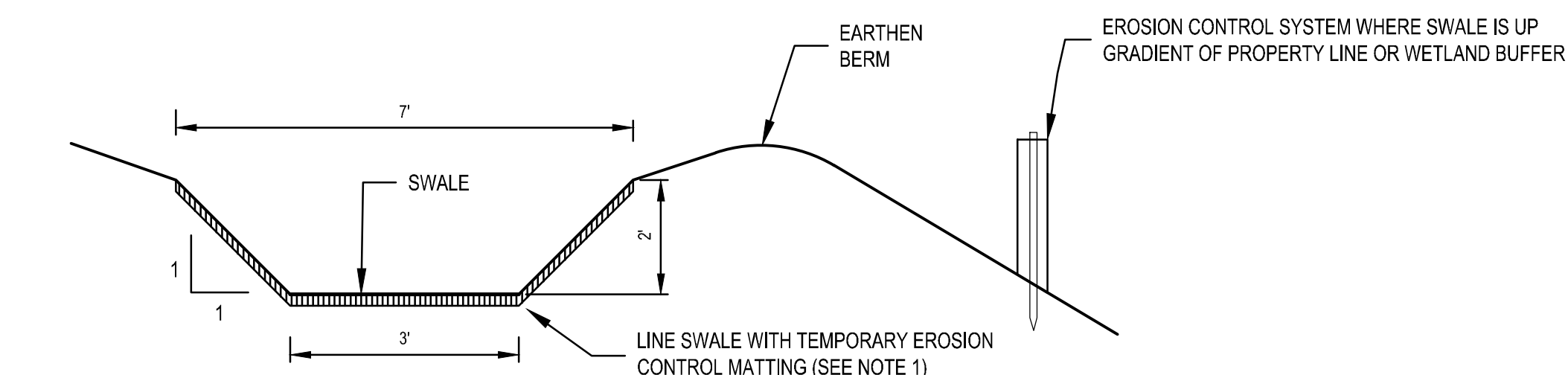
2 CONSTRUCTION ENTRANCE

NOT TO SCALE CT-BP-13



3 TEMPORARY STOCKPILE W/ PERIMETER SEDIMENT CONTROLS


NOT TO SCALE CT-BP-18



- NOTES:
- MATting SHALL BE FROM CTDOT APPROVED LIST OF MATERIALS (CLASS 2 - TYPE E)
 - EARTHEN DIVERSION BERM TO BE TEMPORARILY SEEDED IF SWALE IS TO BE USED LONGER THAN 30 DAYS.
 - SWALE SHALL BE INSTALLED AT A MINIMUM SLOPE OF 0.005' FT/FT.

4 TEMPORARY DRAINAGE SWALE DETAIL

NOT TO SCALE

Project: TOWN OF CHESHIRE

 BARTLEM PARK SOUTH - PHASE I
 520 S MAIN ST,
 CHESHIRE, CT 06410

Weston & Sampson
 Weston & Sampson Engineers, Inc.
 712 Brook Street
 Rocky Hill, CT 06067
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 www.westonandsampson.com

Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:

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Scale: N.T.S.

Date: 1/11/2023
 Drawn By: AM/EA
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 Approved By: DB
 W&S Project No.: ENG22 - 0258
 W&S File No.:

Drawing Title:
EROSION & SEDIMENT CONTROL DETAILS

Sheet Number:
L901

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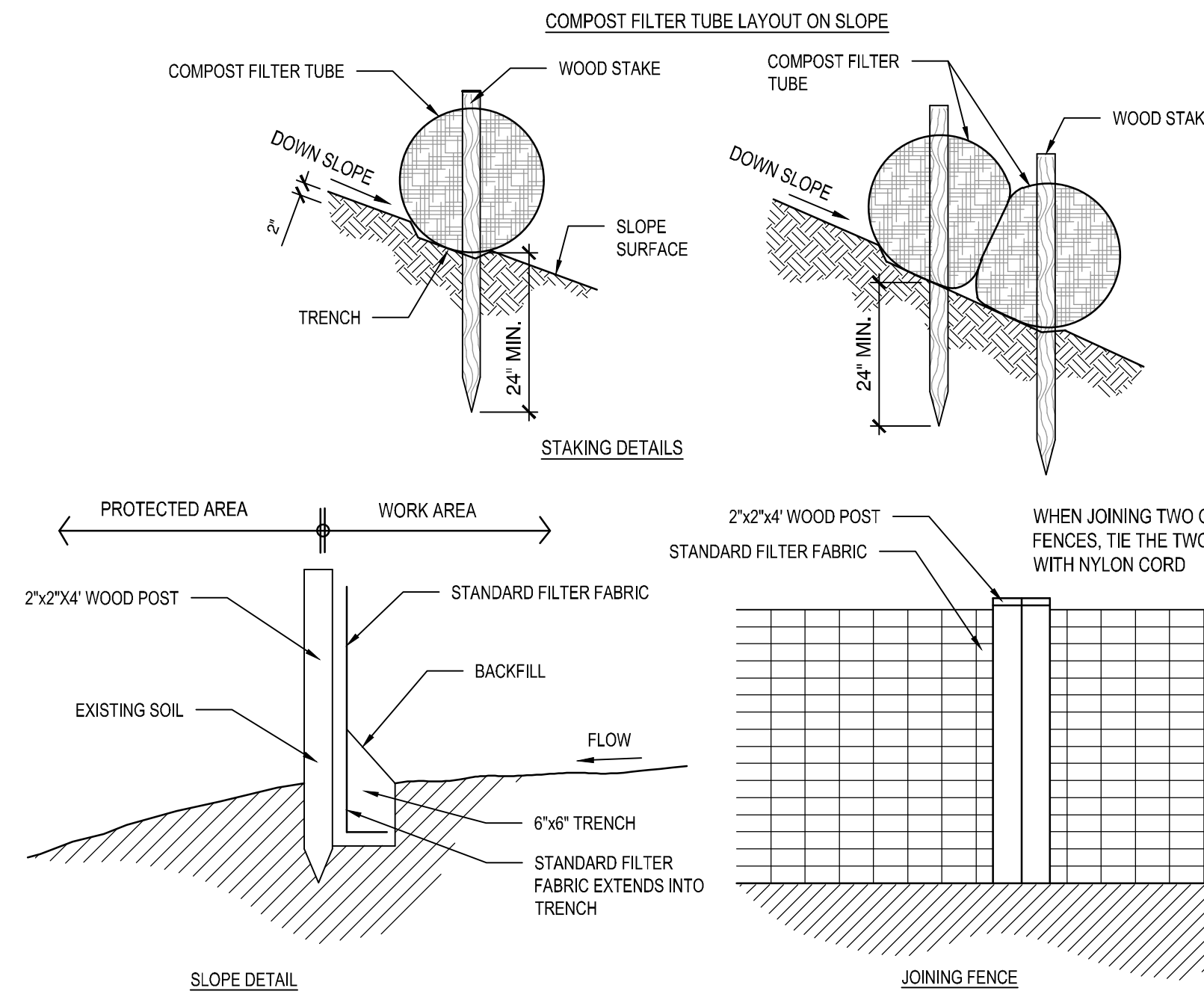
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Date: 1/11/2023
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Approved By: DB

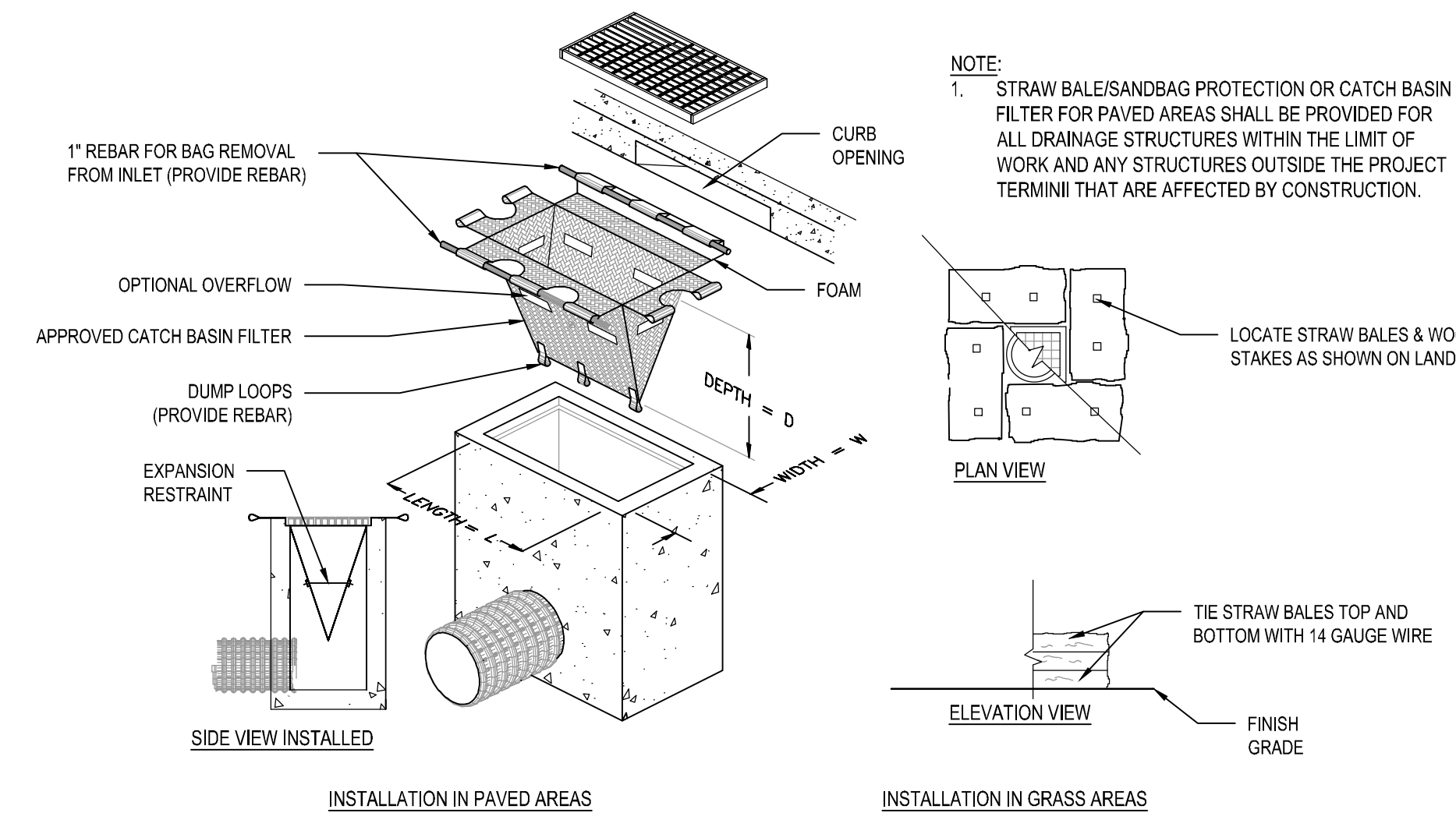
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W&S File No.:

Drawing Title:
EROSION & SEDIMENT CONTROL DETAILS

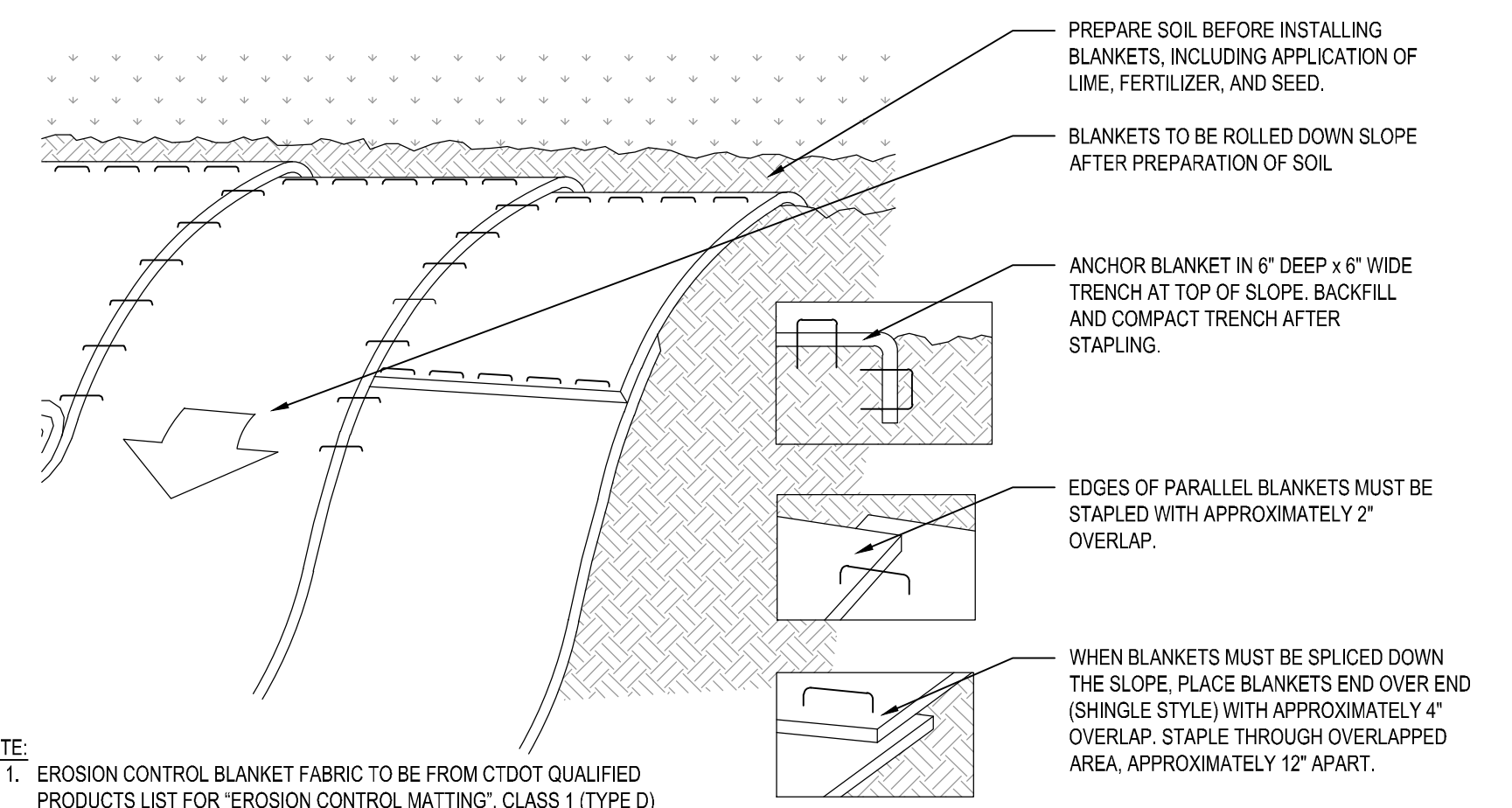
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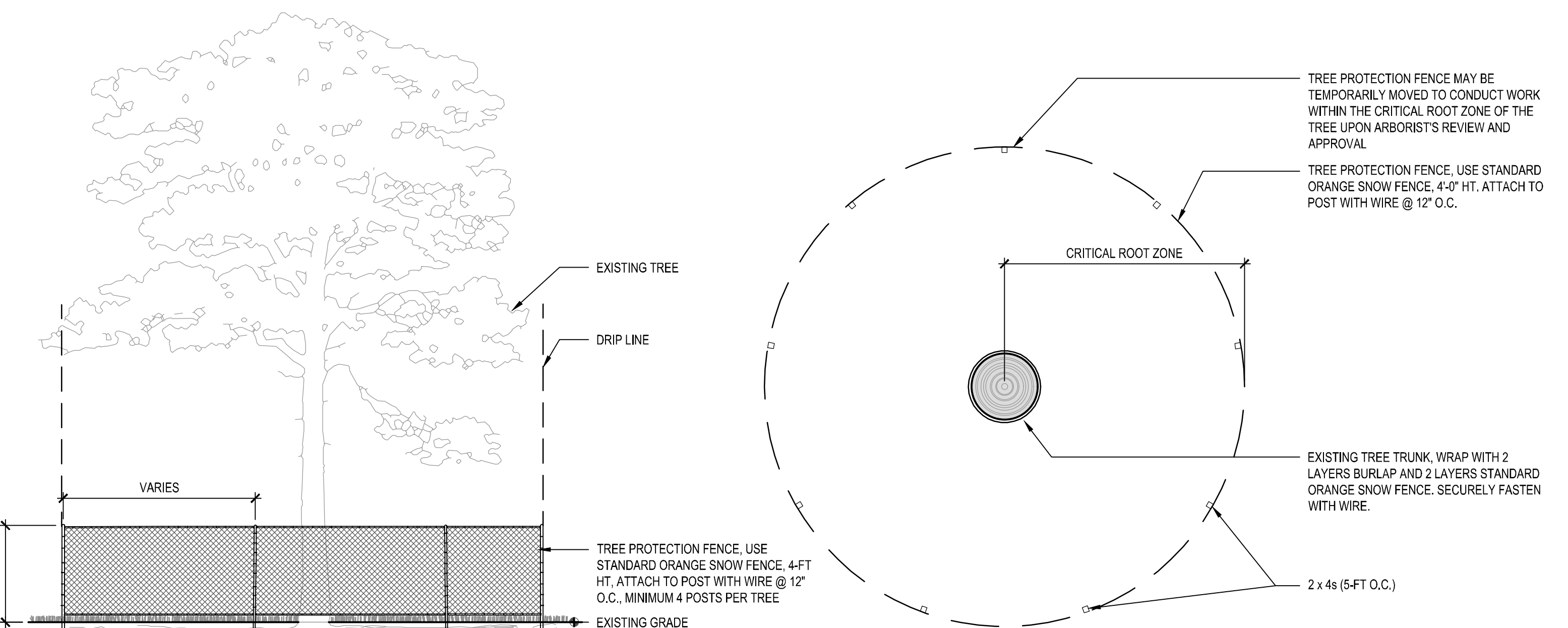
1 SILT FENCE/COMPOST FILTER TUBE, TYP.
NOT TO SCALE CT-BP-12



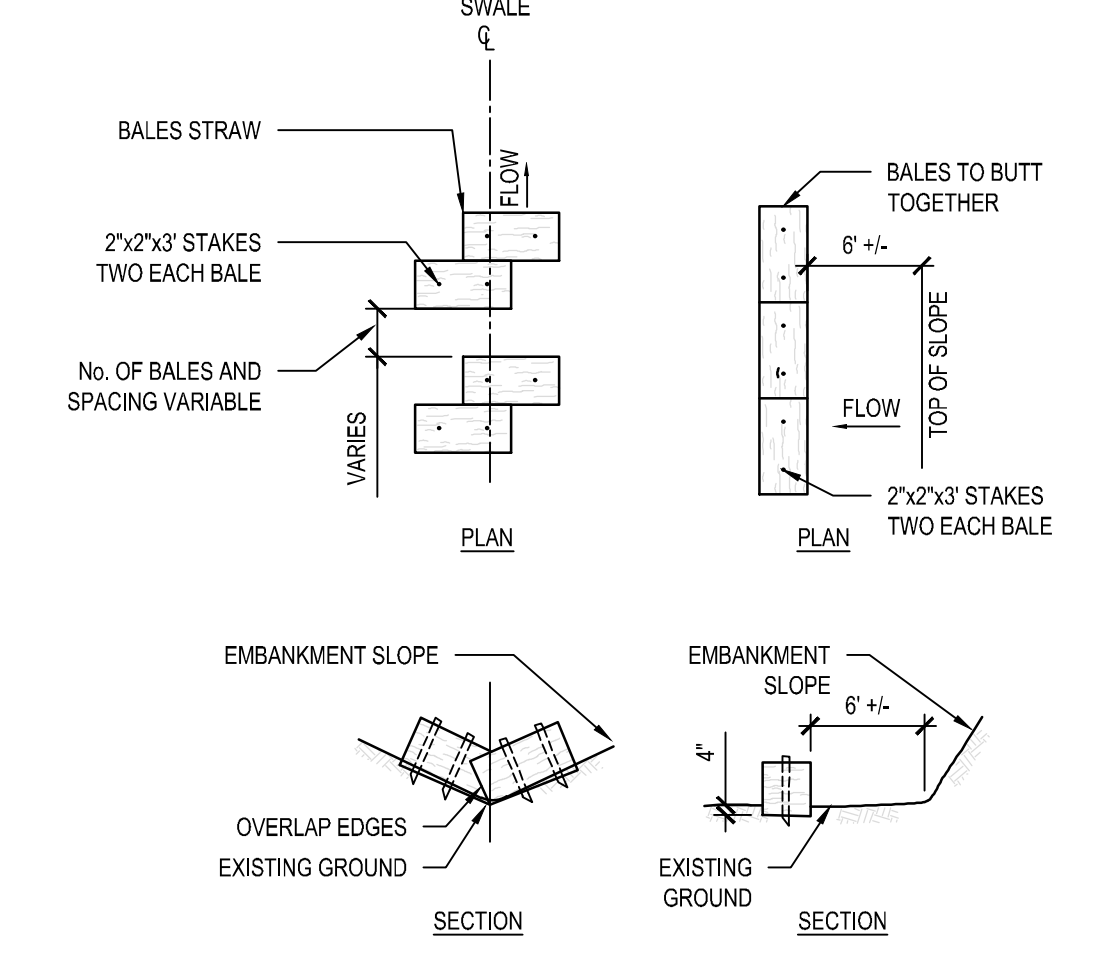
2 INLET PROTECTION AT CATCH BASIN/ YARD DRAIN, TYP.
NOT TO SCALE CT-BP-14



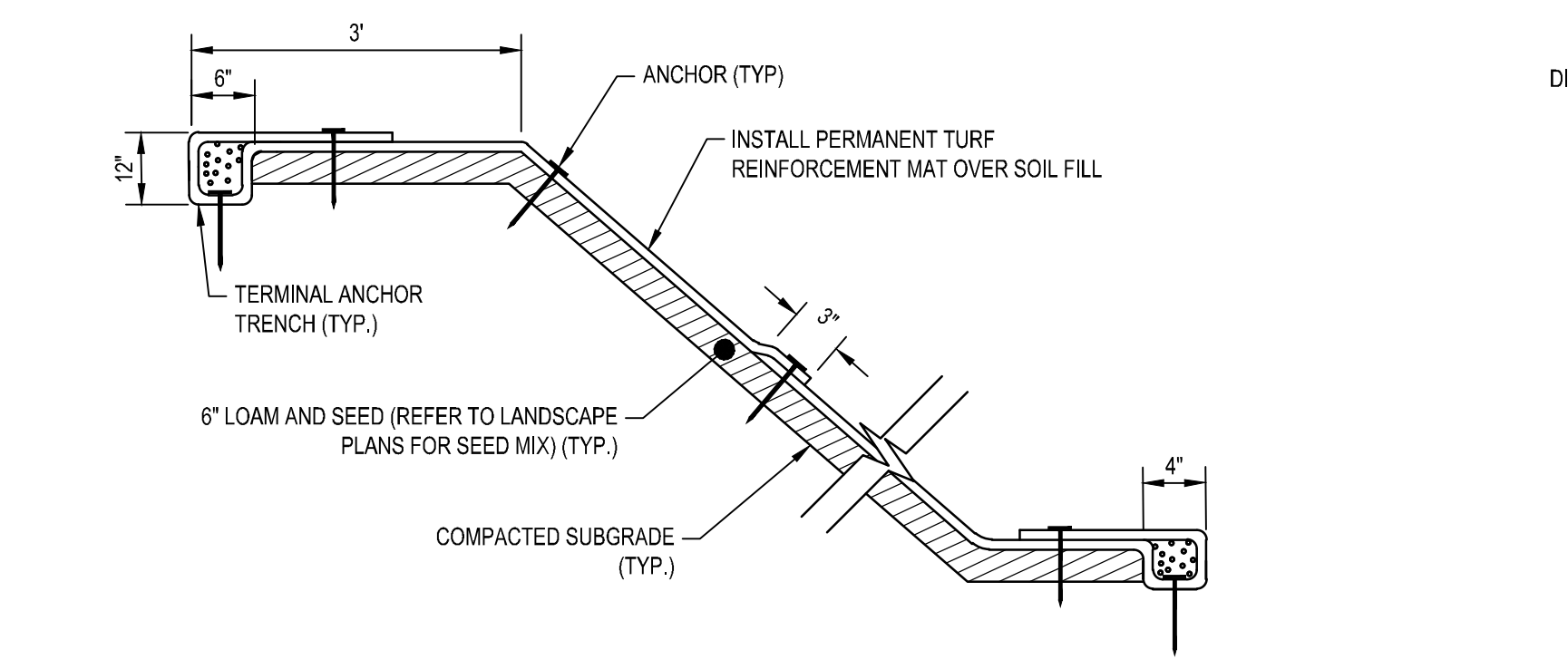
3 EROSION CONTROL BLANKET
NOT TO SCALE CT-BP-17



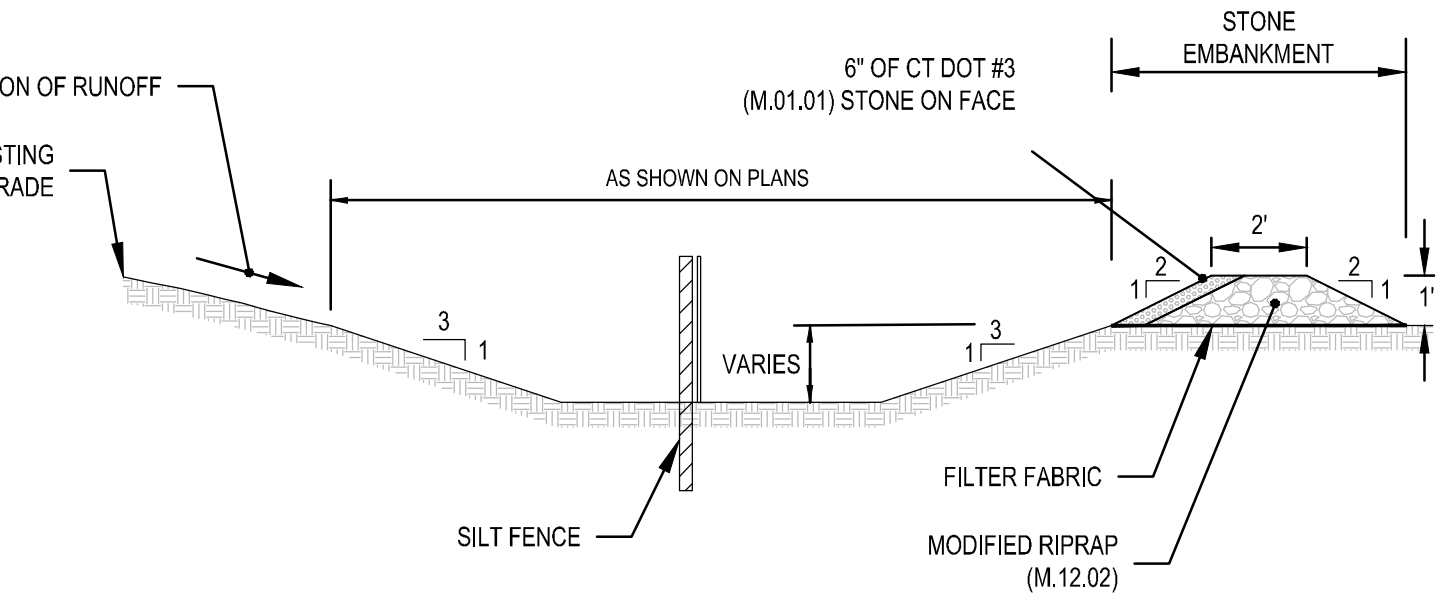
4 TREE PROTECTION
NOT TO SCALE CT-BP-15



5 STRAW BALES
NOT TO SCALE CT-BP-21

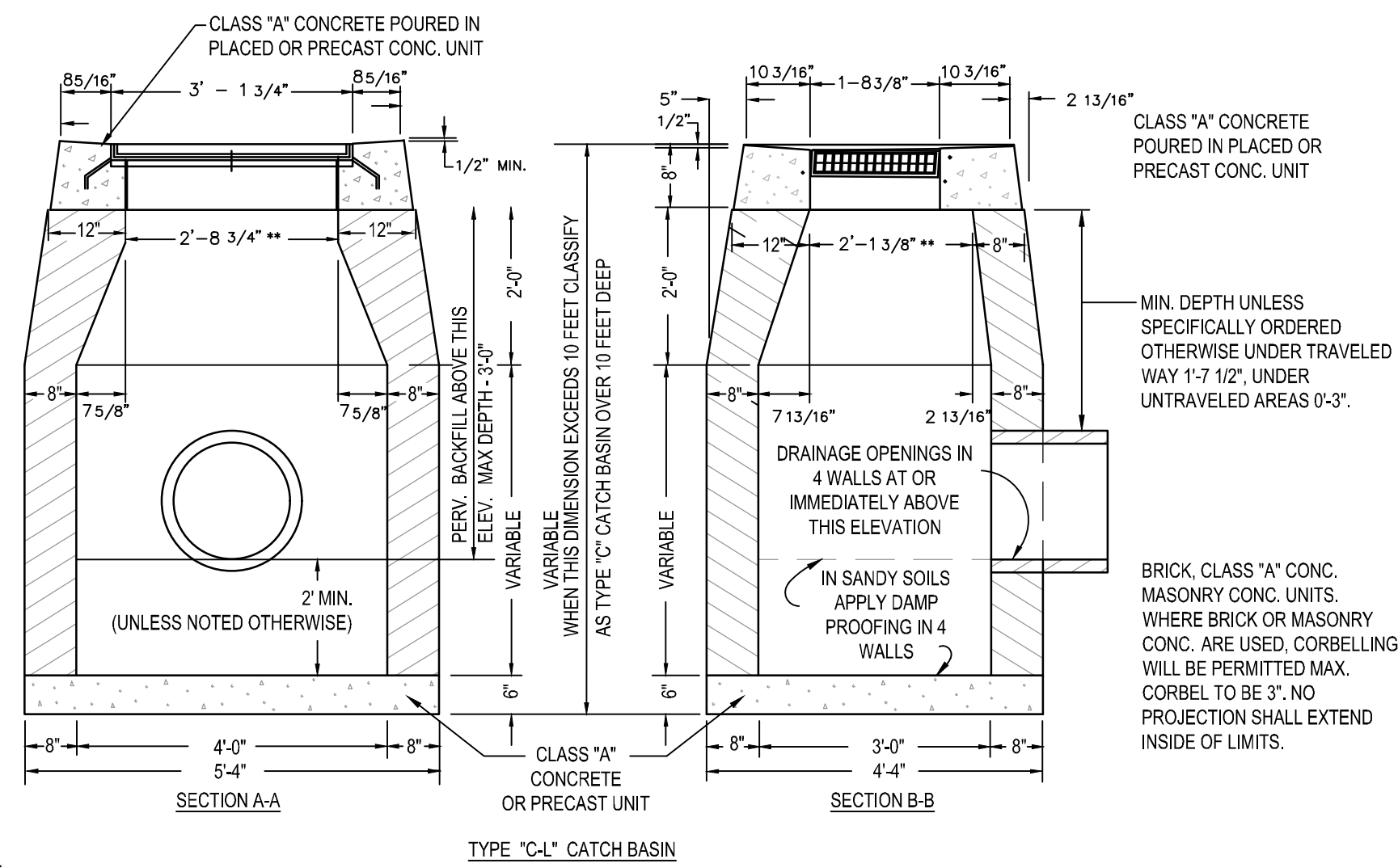


6 VEGETATIVE SLOPE PROTECTION (AT DETENTION BASINS)
NOT TO SCALE



7 TEMPORARY SEDIMENTATION TRAP
NOT TO SCALE

P:\Drawings\Drawings from design\Drawings\2022\021315\2022\021315.dwg

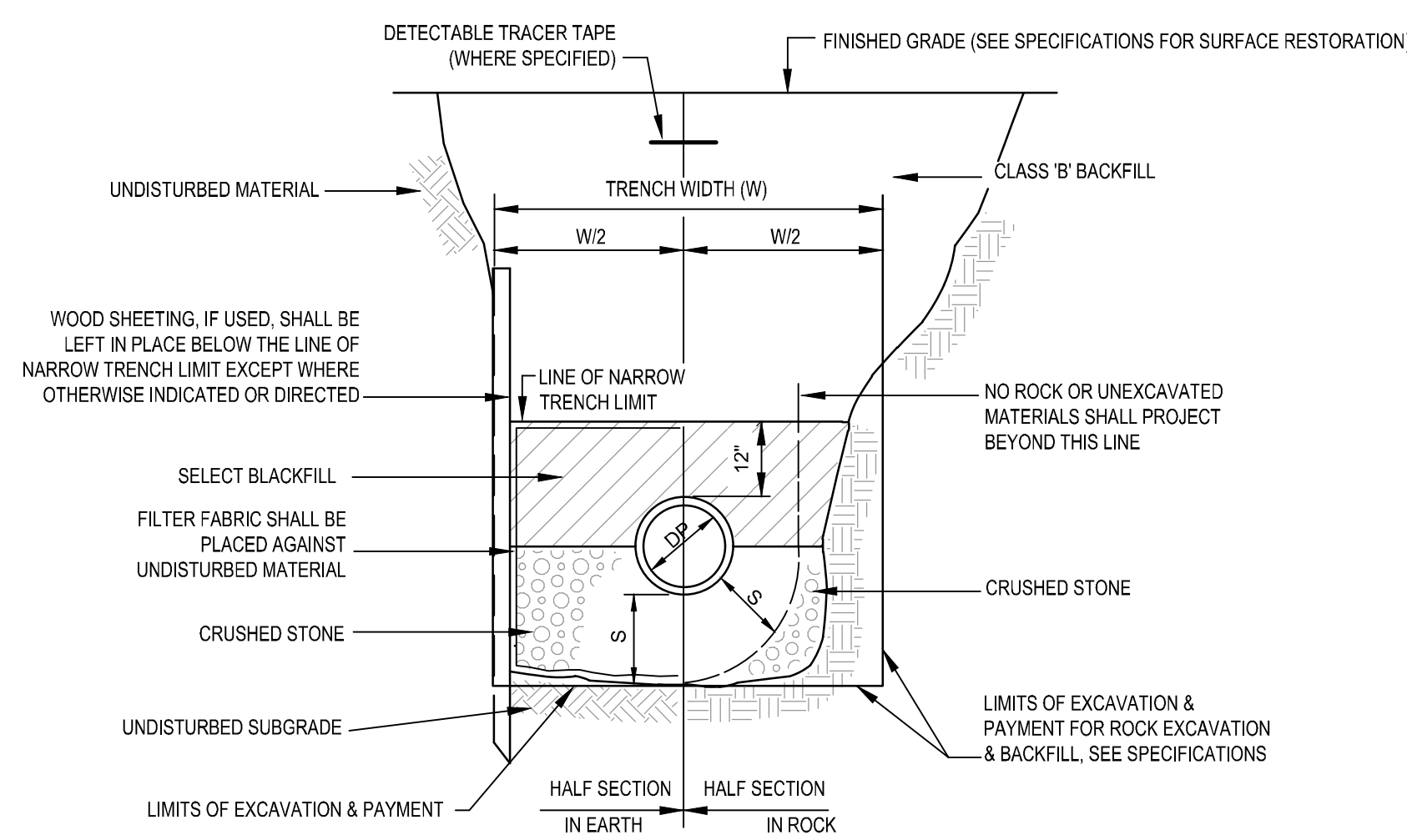


NOTE:
1. WHERE PRECAST CONC. UNIT IS USED FOR SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6\"/>

1 CATCH BASIN

NOT TO SCALE

CT-BP-24



NOTE:
1. FOR W, DP, & S, SEE TABLE A

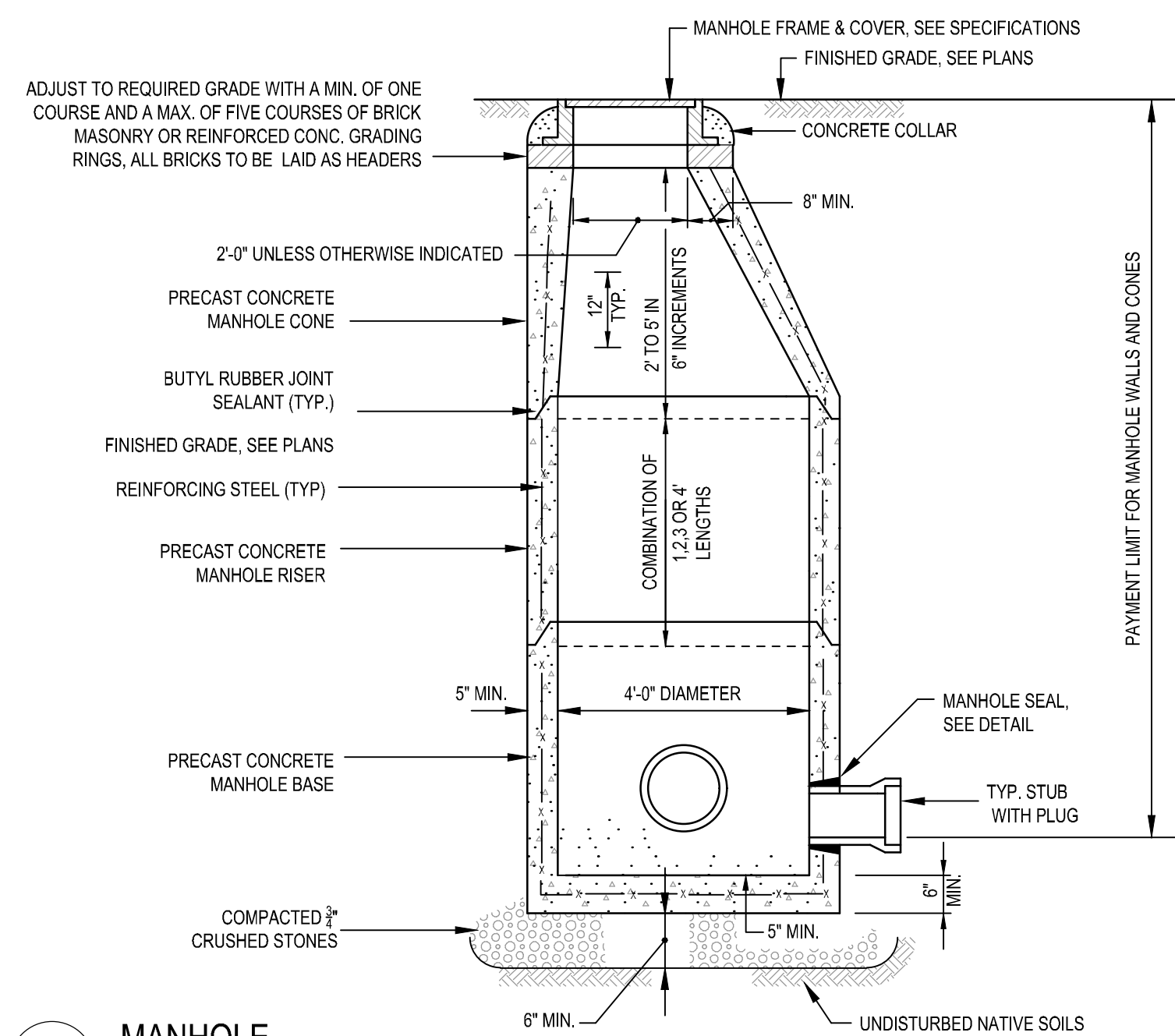
TABLE A:

DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (w)	MIN. CLEARANCE (S)
0-12'	TO 18"	5'	6"
0-12'	21'-24"	5'	7-12"
OVER 12'	TO 18"	7'	6"
OVER 12'	21'-24"	7'	7-12"

4 STORM DRAIN TRENCH, TYP.

NOT TO SCALE

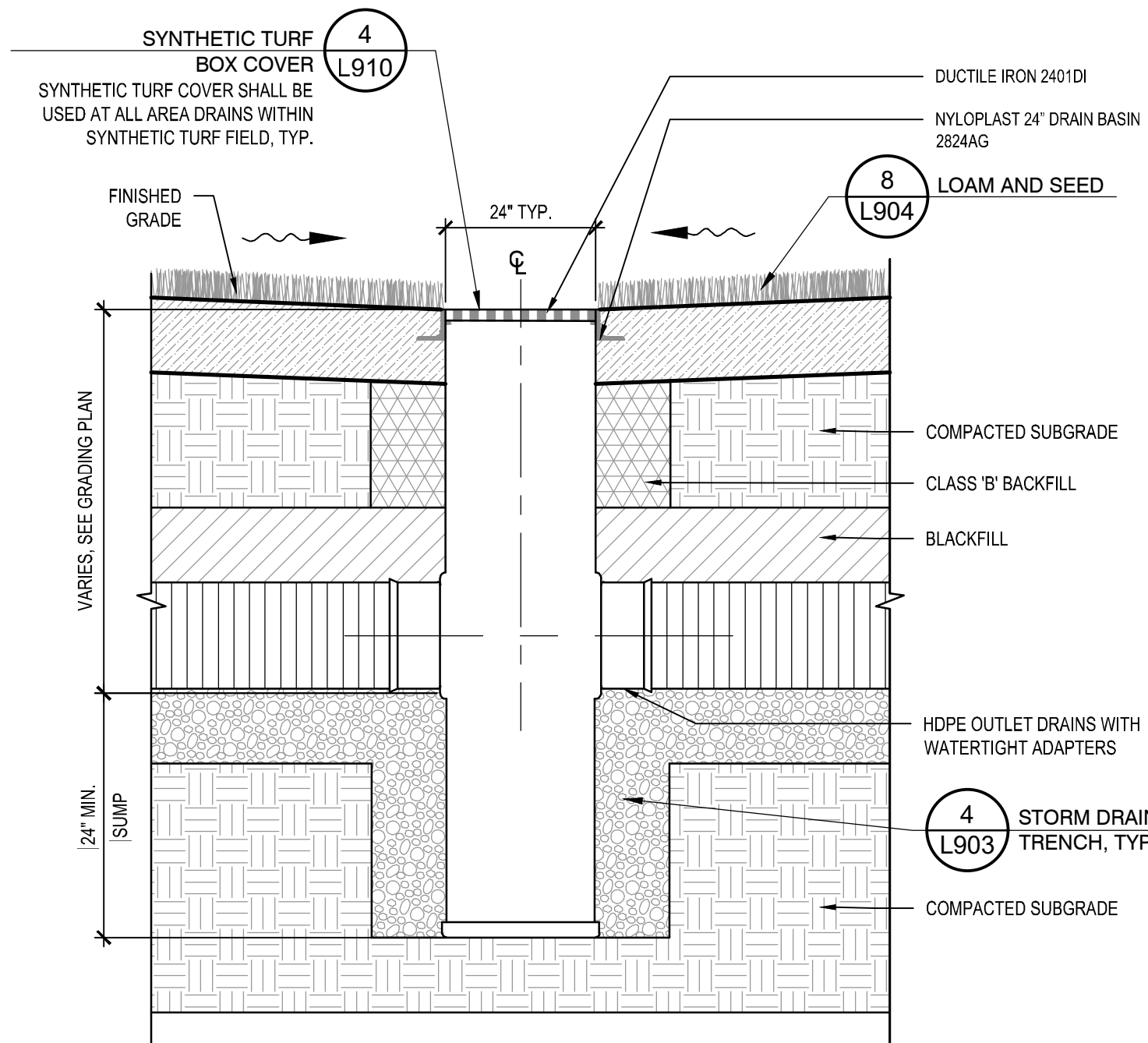
CT-BP-28



2 MANHOLE

NOT TO SCALE

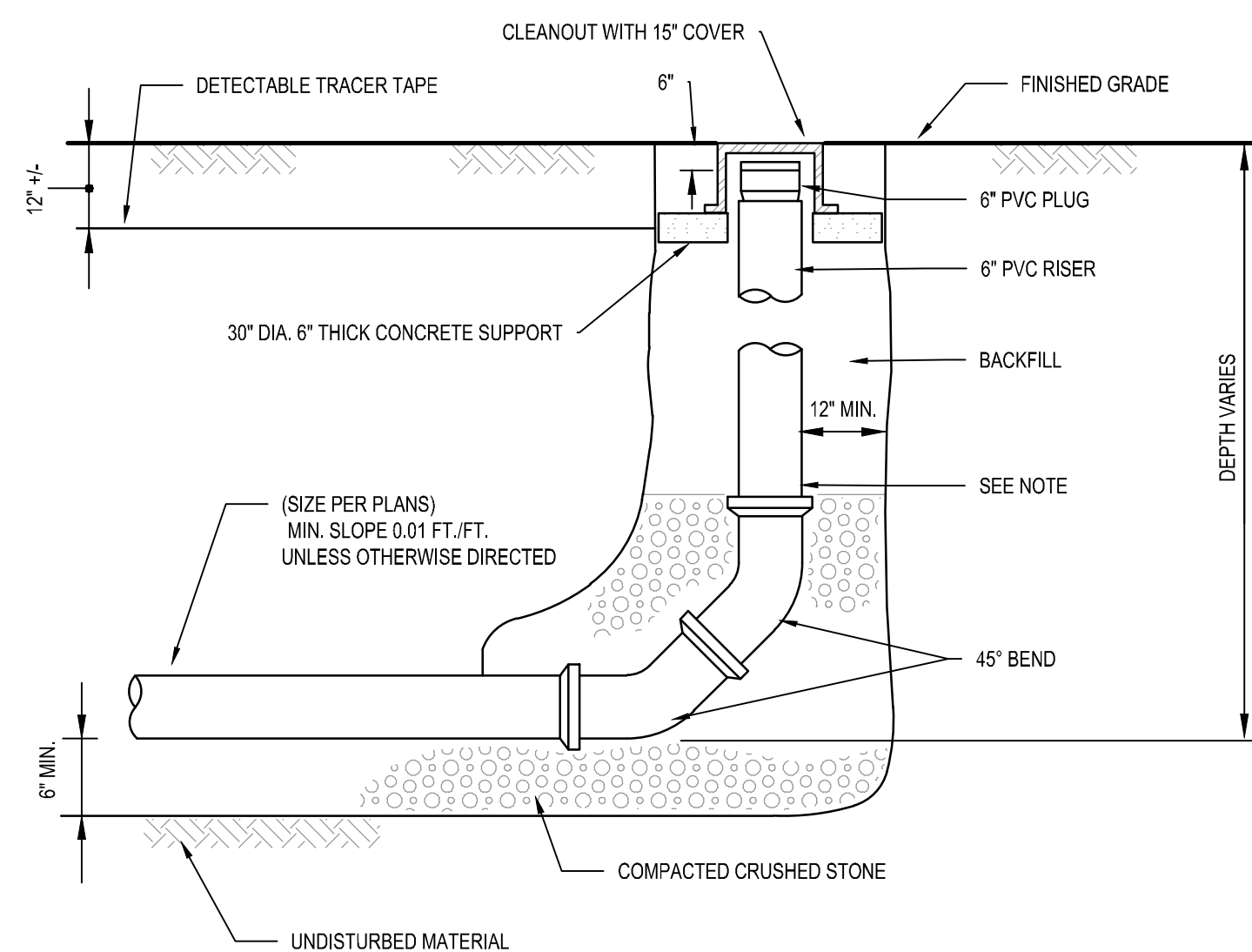
CT-BP-27



5 PVC AREA DRAIN, TYP.

NOT TO SCALE

CT-BP-29



NOTE:
1. INSTALL REDUCER AS REQUIRED TO ALLOW FOR CONNECTION OF 6\"/>

3 CLEANOUT, TYP.

NOT TO SCALE

CT-BP-25

Revisions:

No.	Date	Description

COA:

Seal:

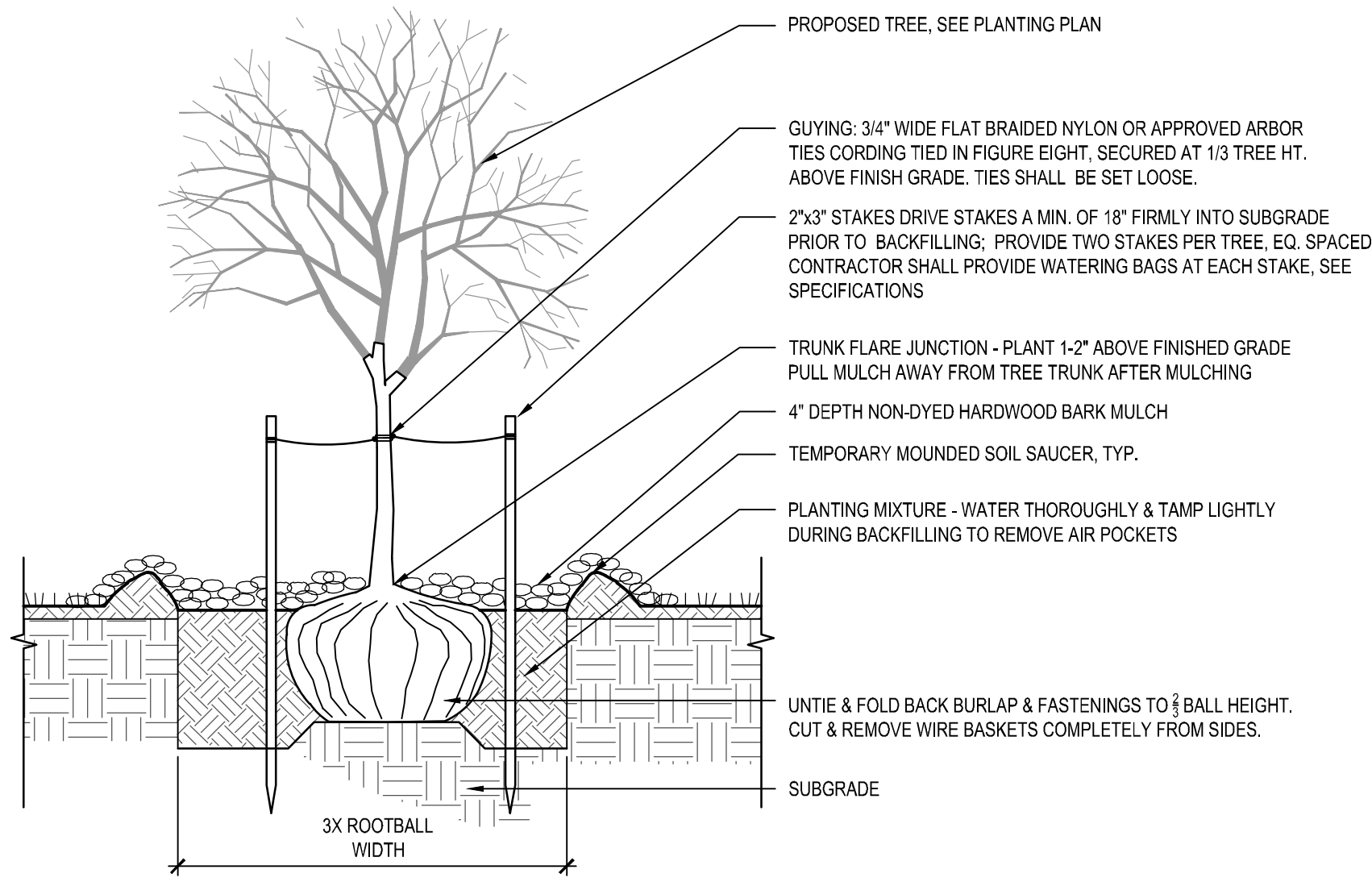
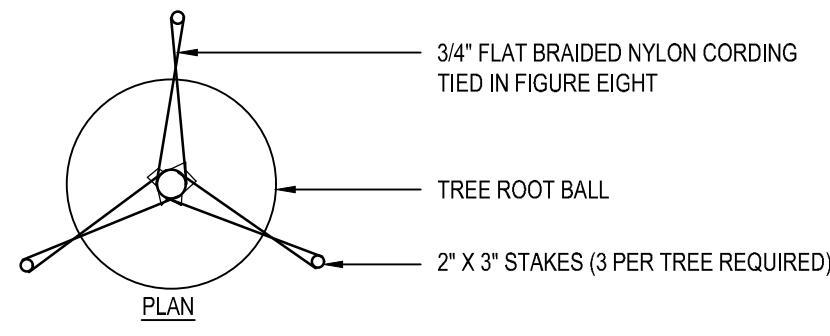
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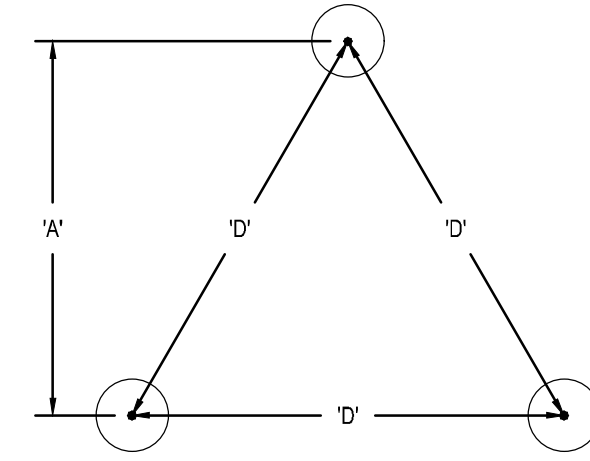
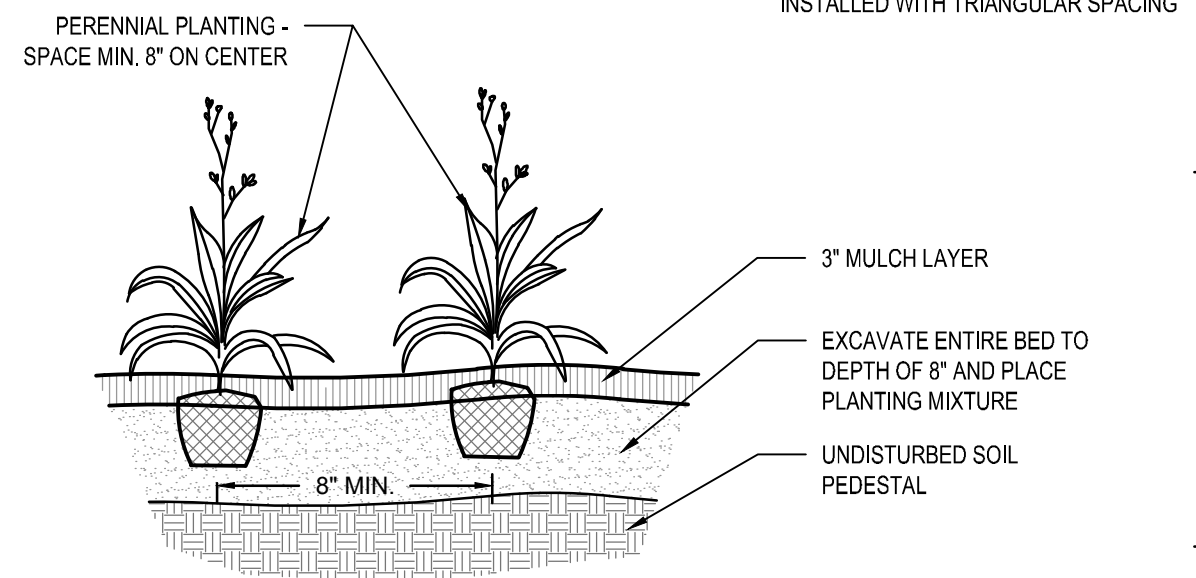
Date: 1/11/2023
Drawn By: BH
Reviewed By: JP
Approved By: JP
W&S Project No.: ENG22 - 0258
W&S File No.:

Drawing Title:
SITE
CONSTRUCTION
DETAILS

Sheet Number:
L903

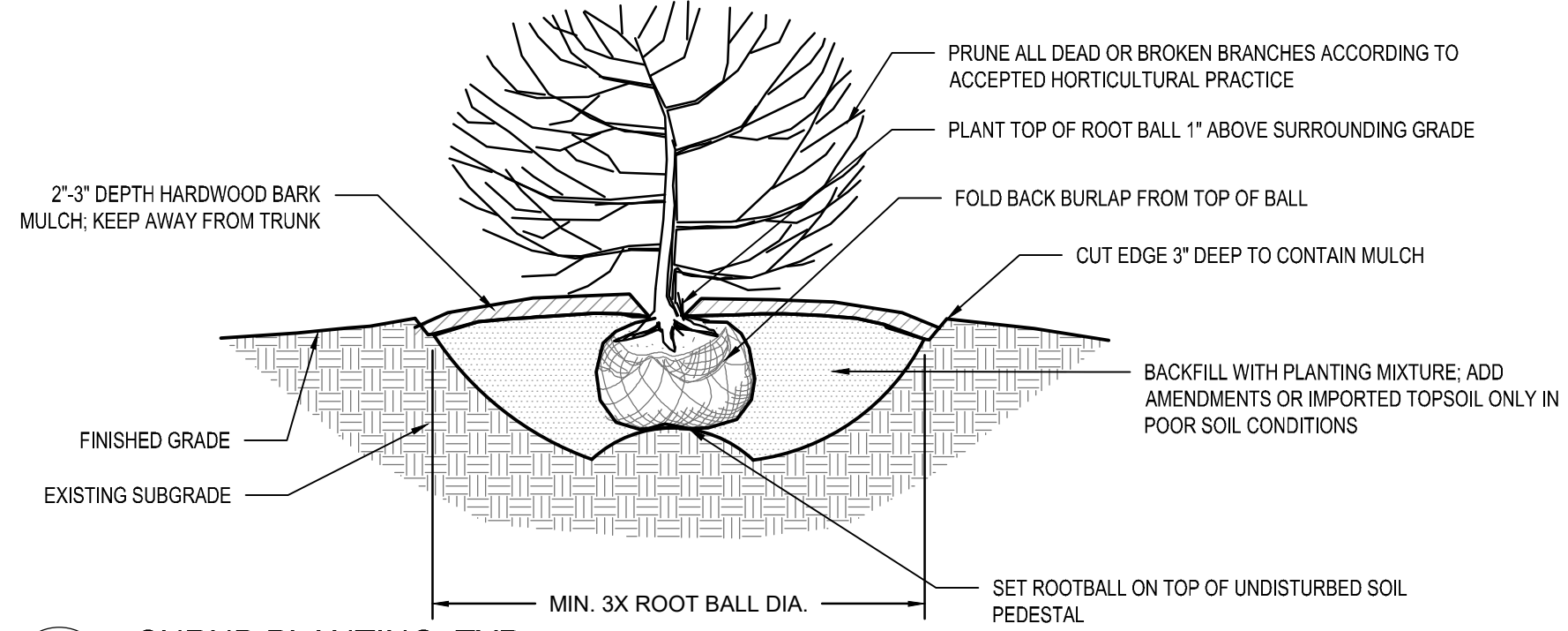


1 TREE STAKING AND PLANTING
NOT TO SCALE CT-BP-46

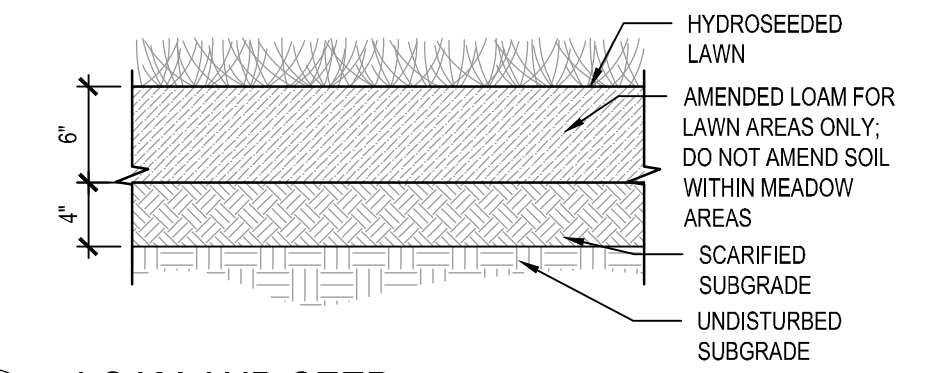


PLANT SPACING 'D'	ROW 'A'
6\"/>	

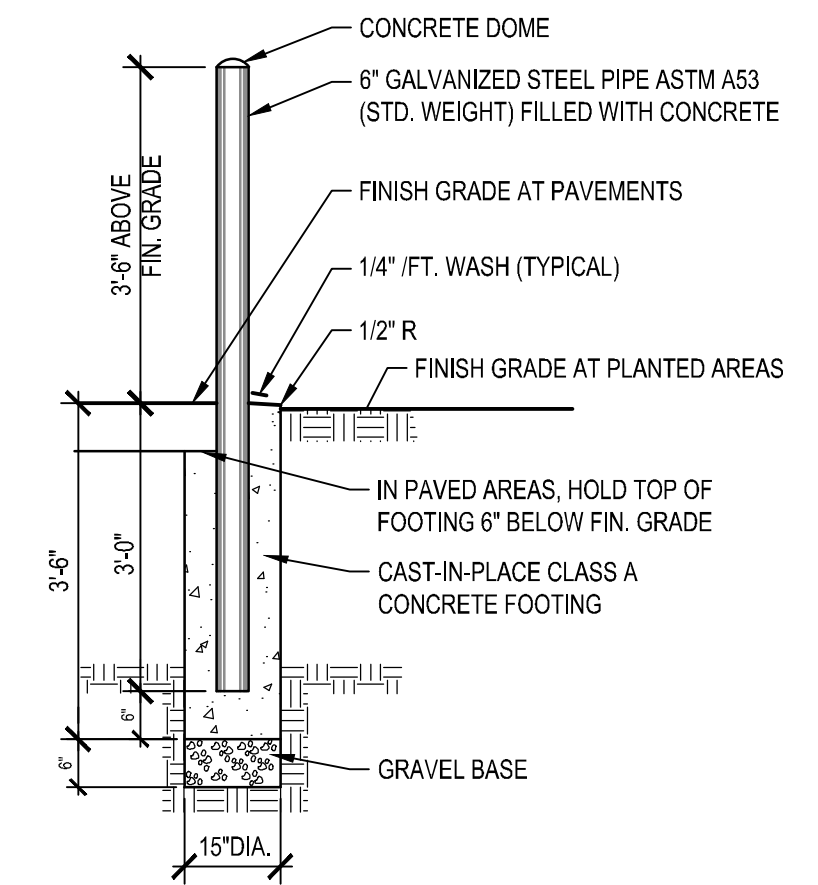
4 PERENNIAL PLANTING, TYP.
NOT TO SCALE CT-BP-49



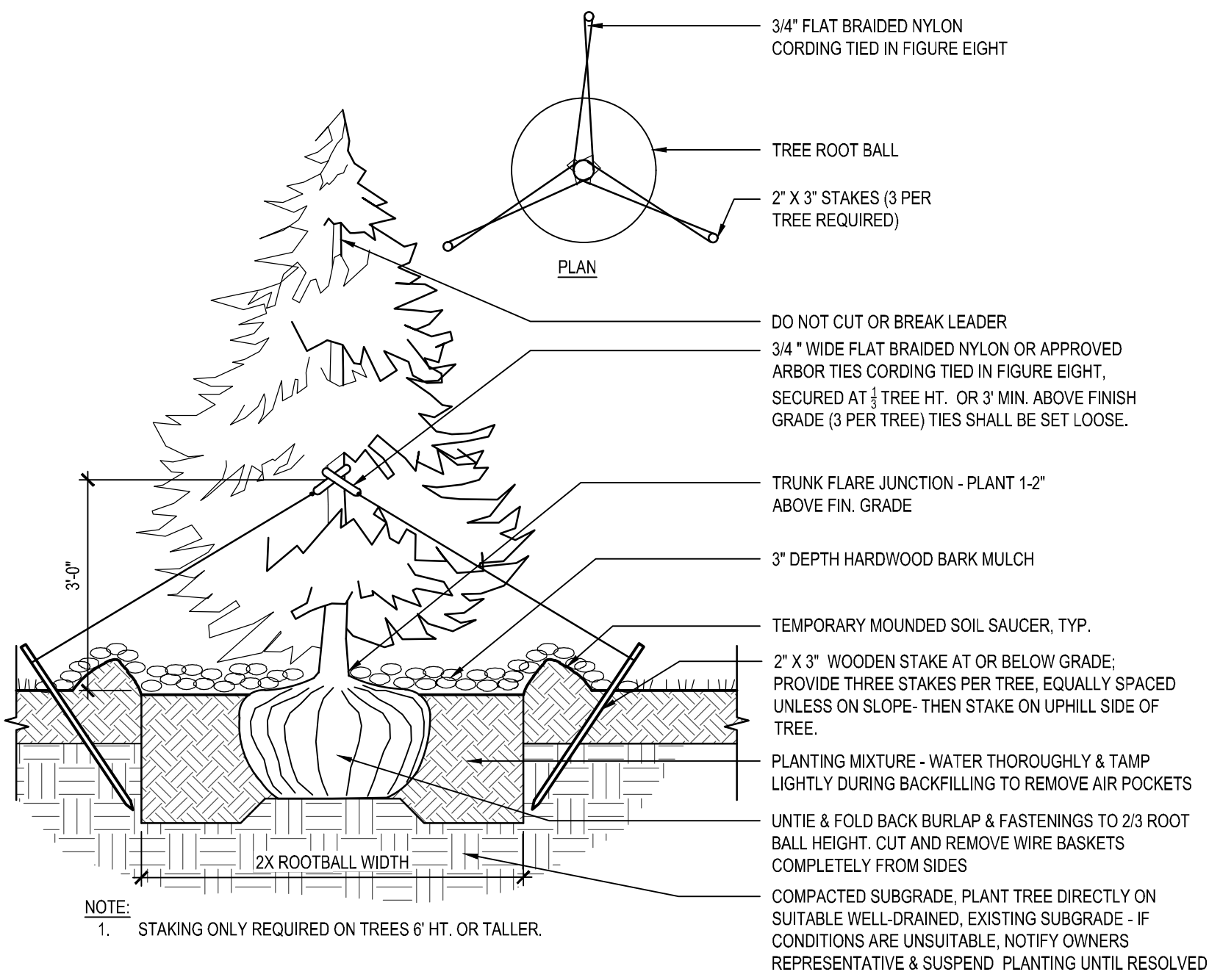
5 SHRUB PLANTING, TYP.
NOT TO SCALE CT-BP-48



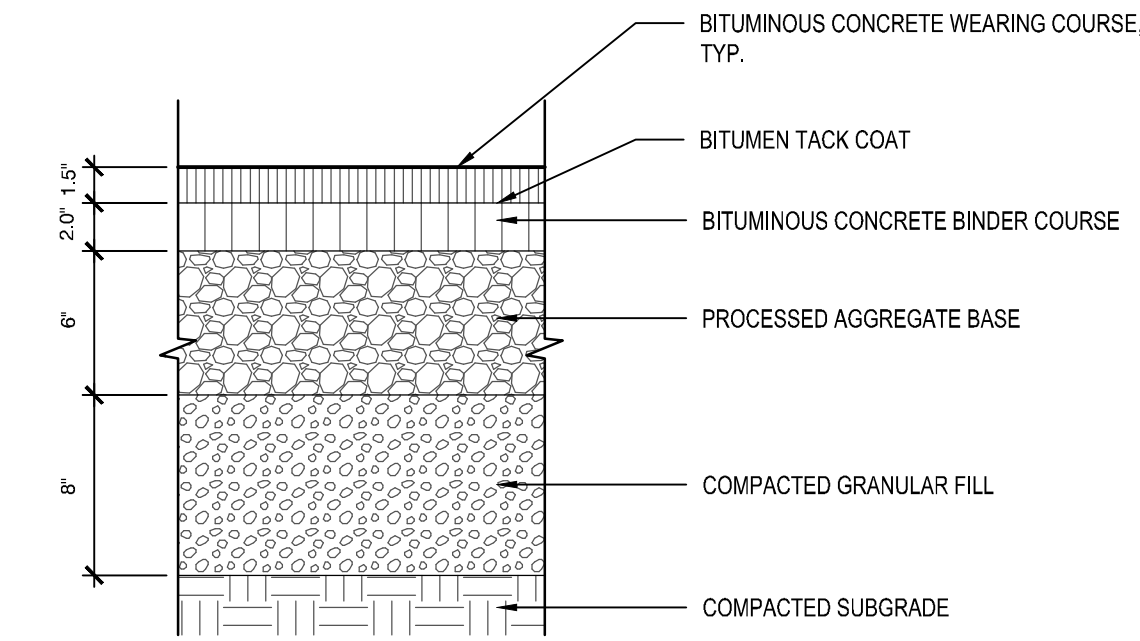
8 LOAM AND SEED
NOT TO SCALE CT-BP-11



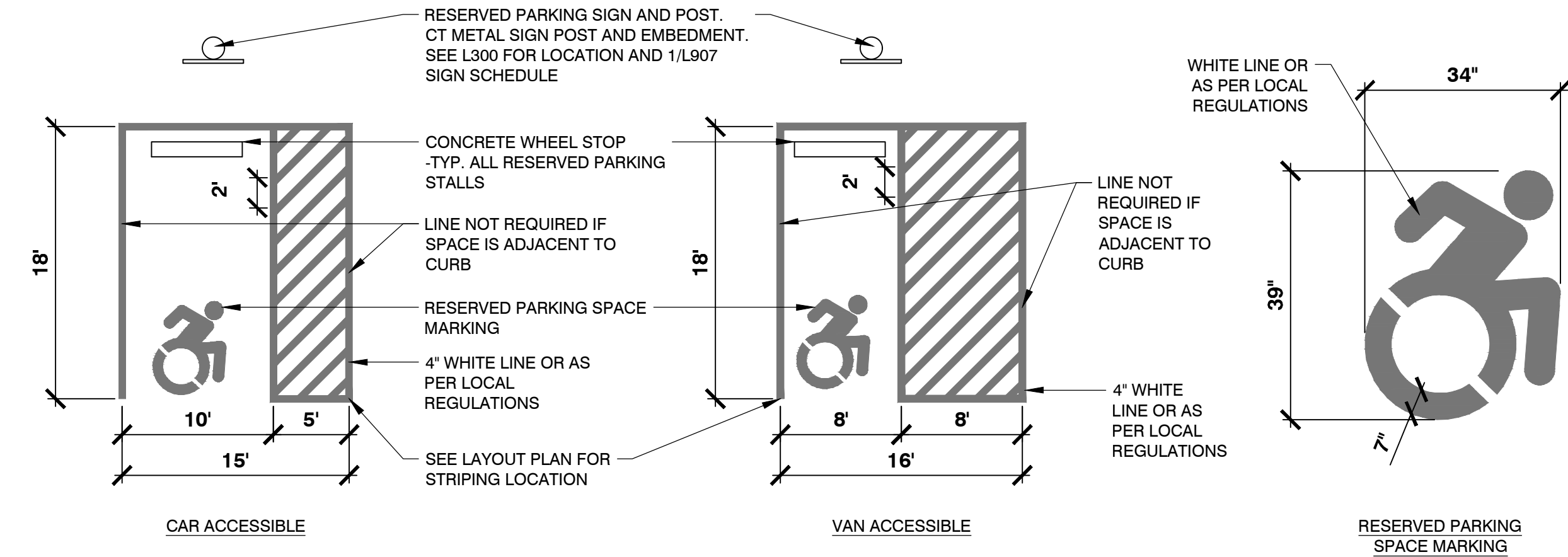
9 UTILITY BOLLARD
NOT TO SCALE CT-BP-78



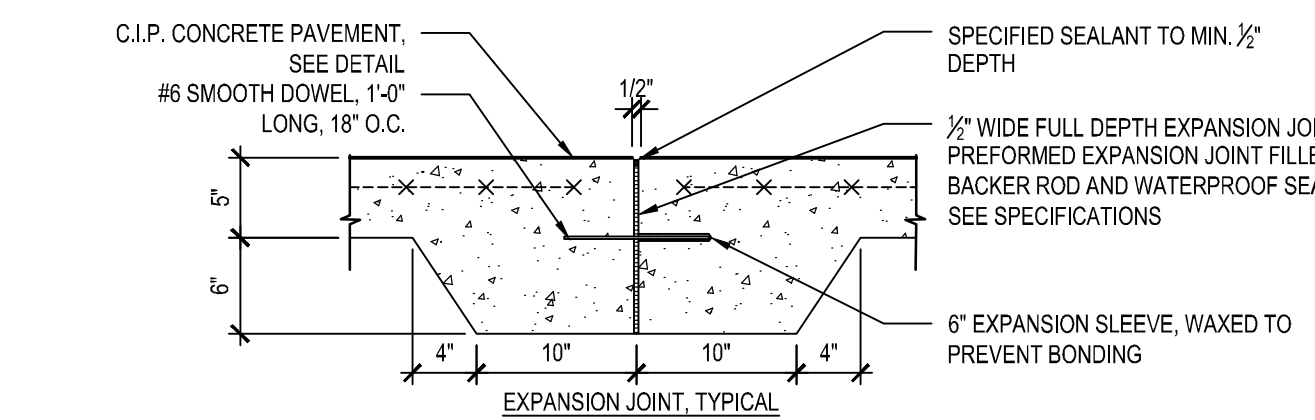
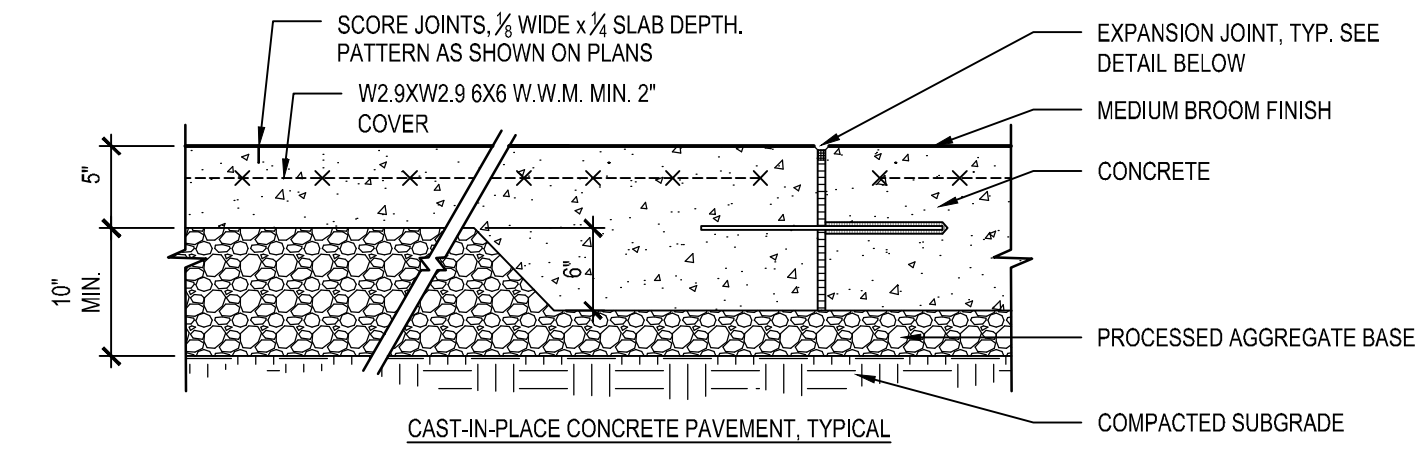
2 EVERGREEN TREE PLANTING
NOT TO SCALE CT-BP-40



6 VEHICULAR BITUMINOUS CONCRETE PAVEMENT, TYP.
NOT TO SCALE CT-BP-56

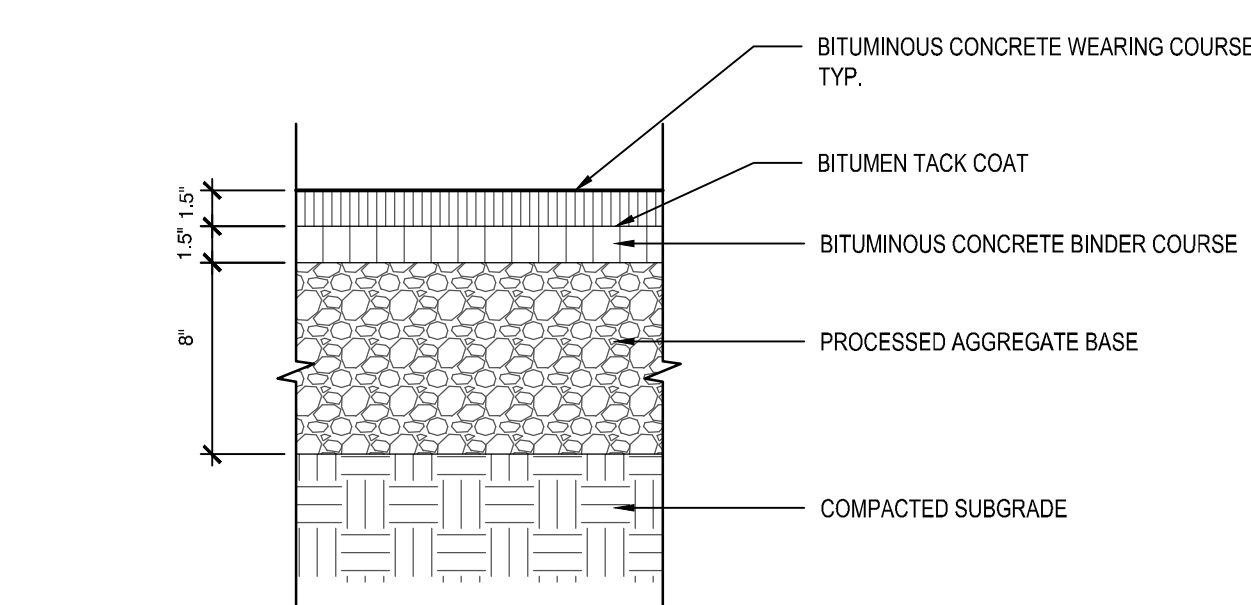


10 ACCESSIBLE PARKING LAYOUT
NOT TO SCALE CT-BP-36

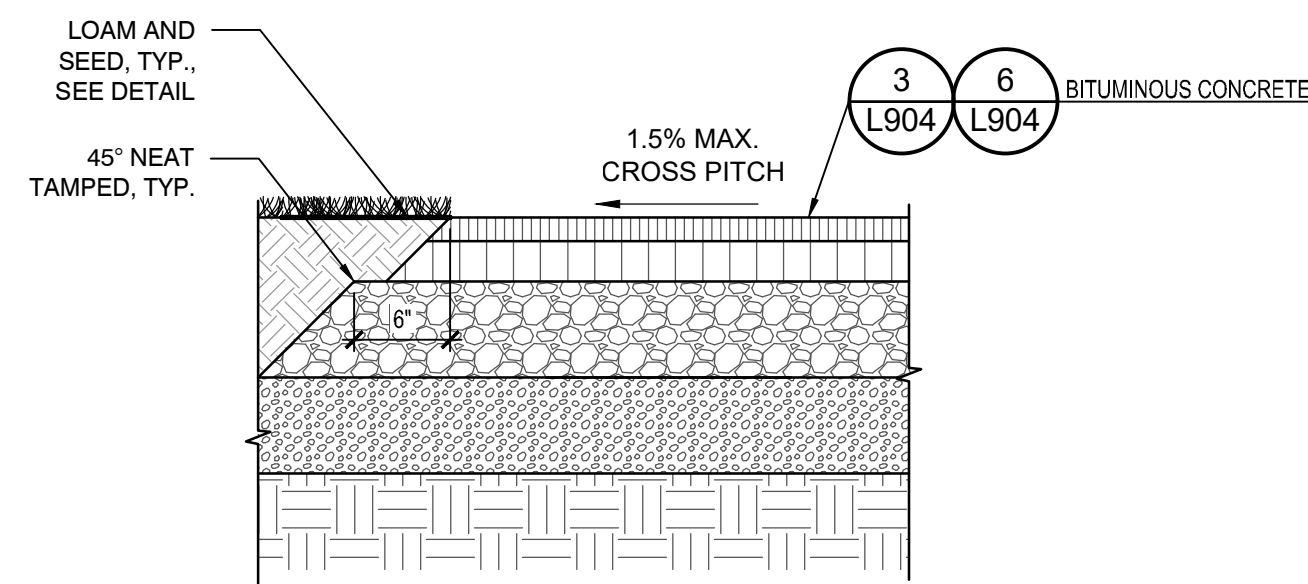


- EXPANSION JOINT INSTALLATION NOTES:**
1. DOWEL IS TYPICAL AT ALL EXPANSION JOINTS (18" O.C.) WITHIN CONCRETE PAVING AND BETWEEN NEW CONCRETE PAVING, WALLS, BUILDING FOUNDATIONS AND EXISTING CONCRETE PAVING TO REMAIN.
 2. EXPANSION JOINTS MAX. 16" O.C. UNLESS SHOWN OTHERWISE.
 3. EXPANSION JOINTS SHALL BE PLACED WHERE NEW CEMENT CONCRETE PAVEMENT MEETS EXISTING PAVEMENT OR WALLS TO REMAIN.
 4. ALL SCORE JOINTS SHALL BE SAW CUT.

11 CONCRETE PAVEMENT AND EXPANSION JOINT
NOT TO SCALE CT-BP-64



3 BITUMINOUS CONCRETE WALK
NOT TO SCALE CT-BP-01



7 BITUMINOUS CONCRETE AT LAWN
NOT TO SCALE CT-BP-08

Consultants:

Revisions:

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Date: 1/11/2023
Drawn By: AM/EA
Reviewed By: RC
Approved By: DB

W&S Project No.: ENG22 - 0258
W&S File No.:

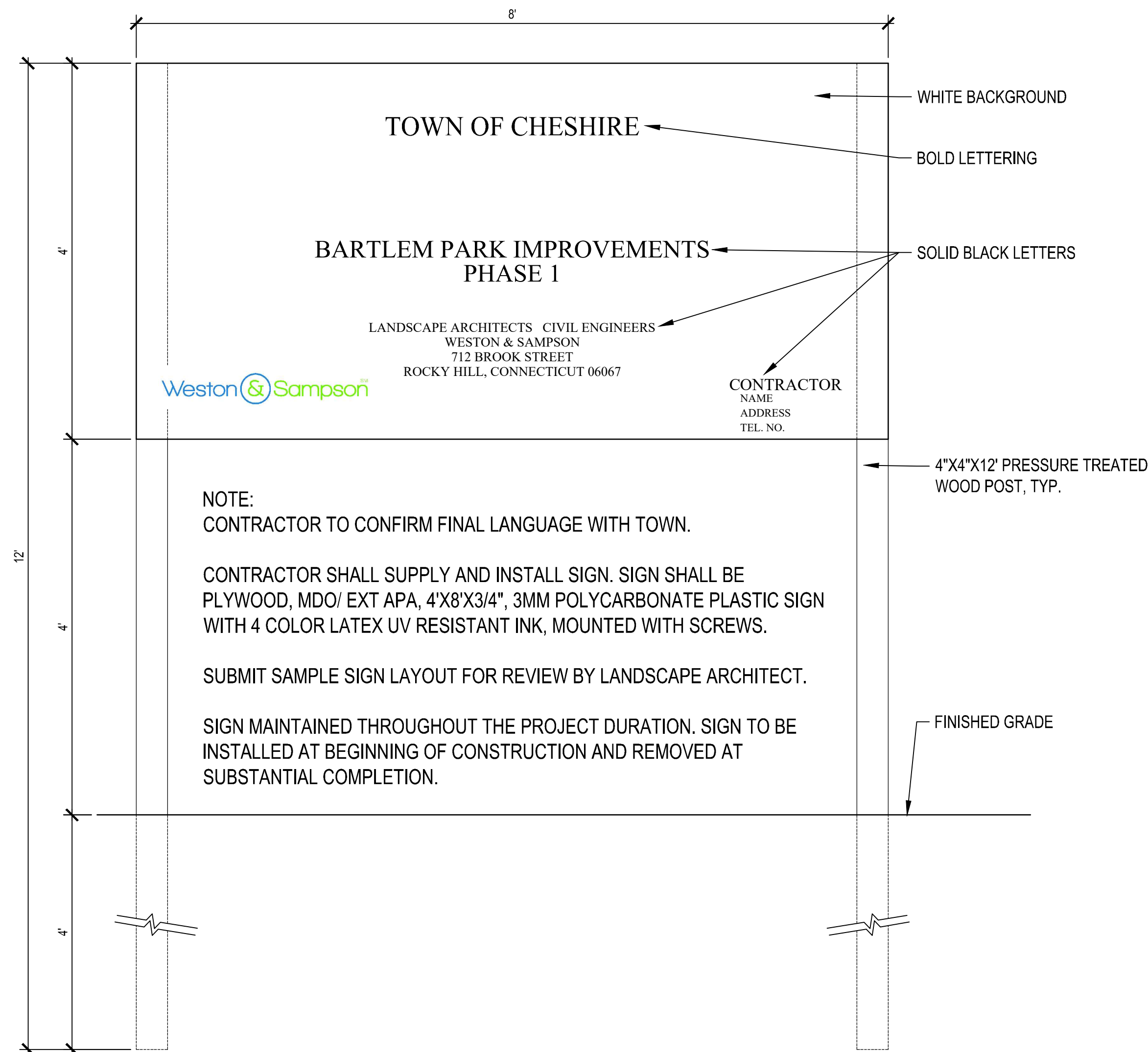
Drawing Title:
SITE CONSTRUCTION DETAILS

Sheet Number:
L904

SIGN SCHEDULE						
TEXT NO.	TEXT	SIZE	NATIONAL MUTCD NO.	TYPE OF MOUNTING	QUANT.	REMARKS
a	RESERVED PARKING PERMIT REQUIRED VIOLATORS WILL BE FINED MIN. \$100	12" x 18"	R7-8CT	POST MOUNT	10	SET AT 6' ABOVE GRADE
b	VAN ACCESSIBLE PARKING	9" x 18"	R7-8P	POST MOUNT	8	SET BELOW R7-8CT
c	NO PARKING	12" x 18"	R8-3	POST MOUNT	1	SET AT 6' ABOVE GRADE
d	STOP	30"	CT DOT # 31-0552	POST MOUNT	6	SET AT 6' ABOVE GRADE
e	DO NOT ENTER	30" x 30"	CT DOT # 31-1119	POST MOUNT	3	SET AT 6' ABOVE GRADE
f	RIGHT TURN ONLY	30" x 36"	CT DOT # 31-0184	POST MOUNT	1	SET AT 6' ABOVE GRADE
g	STAY TO RIGHT	24" x 30"	CT DOT # 31-1526	POST MOUNT	1	SET AT 6' ABOVE GRADE
h	NO LEFT TURN	30" x 30"	CT DOT # 31-1603	POST MOUNT	1	SET AT 6' ABOVE GRADE

1 SIGN SCHEDULE
NOT TO SCALE

CT-BP-47



2 PROJECT SIGN
NOT TO SCALE

SERIES 16 SIGNS

16-E	80-1605	84" x 60"
16-H	80-1608	60" x 42"
16-M	80-1613	30" x 24"

SIGN 16-S SHALL BE USED ON ALL PROJECTS THAT REQUIRE SIDEWALK RECONSTRUCTION OR RESTRICT PEDESTRIAN TRAVEL ON AN EXISTING SIDEWALK.

SERIES 16 SIGNS SHALL BE INSTALLED IN ADVANCE OF THE TRAFFIC CONTROL PATTERNS. SERIES 16 SIGNS SHOULD BE LOCATED TO ALLOW MOTORISTS THE OPPORTUNITY TO AVOID A WORK ZONE. SERIES 16 SIGNS SHOULD BE INSTALLED ON MAJOR INTERSECTING ROADWAYS THAT APPROACH THE WORK ZONE. ON LIMITED-ACCESS HIGHWAYS, THESE SIGNS SHOULD BE LOCATED IN ADVANCE OF THE NEAREST UPSTREAM EXIT RAMP AND ON ANY ENTRANCE RAMP PRIOR TO OR WITHIN THE WORK ZONE LIMITS.

SIGNS 16-E AND 16-H SHALL BE POST-MOUNTED.
 SIGN 16-E SHALL BE USED ON ALL FREEWAYS AND EXPRESSWAYS.
 SIGN 16-H SHALL BE USED ON ALL RAMP, OTHER STATE ROADWAYS AND MAJOR TOWN/CITY ROADWAYS.
 SIGN 16-M SHALL BE USED ON OTHER TOWN ROADWAYS.

CONSTRUCTION TRAFFIC CONTROL PLAN
SERIES 16 SIGNS
 SCALE: NONE

CONNECTICUT DEPARTMENT OF TRANSPORTATION
 BUREAU OF ENGINEERING & CONSTRUCTION
 APPROVED: *Tracy J. Fogarty* Tracy L. Fogarty, P.E. 2012.08.05 13:26:00
 PRINCIPAL ENGINEER

NOTES FOR TRAFFIC CONTROL PLANS

- IF A TRAFFIC STOPPAGE OCCURS IN ADVANCE OF SIGN (A), THEN AN ADDITIONAL SIGN (A) SHALL BE INSTALLED IN ADVANCE OF THE STOPPAGE.
- SIGNS (A), (A), AND (D) SHOULD BE OMITTED WHEN THESE SIGNS HAVE ALREADY BEEN INSTALLED IN ADVANCE TO DESIGNATE A LARGER WORK ZONE THAN THE WORK ZONE THAT IS ENCOMPASSED ON THIS PLAN.
- SEE TABLE 1 FOR ADJUSTMENT OF TAPERS IF NECESSARY.
- TRAFFIC CONES AND PORTABLE CONSTRUCTION SIGNS SHALL NOT BE LEFT UNATTENDED.
- ALL CONFLICTING SIGNS WITHIN THE LIMITS OF A ROADWAY / LANE CLOSURE AREA SHALL BE COVERED WITH AN OPAQUE MATERIAL WHILE THE CLOSURE IS IN EFFECT, AND UNCOVERED WHEN THE ROADWAY / LANE CLOSURE IS RE-OPENED TO ALL LANES OF TRAFFIC.
- IF THIS PLAN REMAINS IN CONTINUOUS OPERATION FOR MORE THAN 48 HOURS, THEN ANY EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE ERADICATED OR COVERED, AND TEMPORARY PAVEMENT MARKINGS THAT DELINEATE THE PROPER TRAVELPATHS SHALL BE INSTALLED.
- DISTANCES BETWEEN SIGNS IN THE ADVANCE WARNING AREA MAY BE REDUCED TO 100' ON LOW-SPEED URBAN ROADS (SPEED LIMIT ≤ 40 MPH).
- IF THIS PLAN IS TO REMAIN IN OPERATION FROM SUNSET TO SUNRISE, INSTALL BARRICADE WARNING LIGHTS - HIGH INTENSITY ON ALL POST-MOUNTED DIAMOND SIGNS IN THE ADVANCE WARNING AREA.
- A PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED ONE HALF MILE TO ONE MILE IN ADVANCE OF THE LANE CLOSURE TAPER.
- SIGN (D) SHALL BE MOUNTED A MINIMUM OF 7 FEET FROM THE PAVEMENT SURFACE TO THE BOTTOM OF THE SIGN.

POSTED SPEED LIMIT (MILES PER HOUR)	MINIMUM TAPER LENGTH FOR A SINGLE LANE CLOSURE
30 OR LESS	180'
35	245'
40	320'
45	540'
50	620'
55	660'
65	780'

CONSTRUCTION TRAFFIC CONTROL PLAN
NOTES
 SCALE: NONE

CONNECTICUT DEPARTMENT OF TRANSPORTATION
 BUREAU OF ENGINEERING & CONSTRUCTION
 APPROVED: *Tracy J. Fogarty* Tracy L. Fogarty, P.E. 2012.08.05 13:26:00
 PRINCIPAL ENGINEER

REGULATORY SIGN "ROAD WORK AHEAD, FINES DOUBLED"

THE REGULATORY SIGN "ROAD WORK AHEAD FINES DOUBLED" SHALL BE INSTALLED FOR ALL WORK ZONES THAT OCCUR ON ANY STATE HIGHWAY AND MUNICIPAL ROAD IN CONNECTICUT WHERE THERE ARE WORKERS PRESENT ON THE HIGHWAY.

THE "ROAD WORK AHEAD FINES DOUBLED" REGULATORY SIGN SHALL BE PLACED AFTER THE SERIES 16 SIGN AND IN ADVANCE OF THE "ROAD WORK AHEAD" SIGN.

31-1906	48" x 42"
31-1907	60" x 54"

"END ROAD WORK" SIGN

THE LAST SIGN IN THE PATTERN SHALL BE THE "END ROAD WORK" SIGN.

80-9606	36" x 18"
80-9612	48" x 24"

CONSTRUCTION TRAFFIC CONTROL PLAN
ROAD WORK AHEAD SIGNS
 SCALE: NONE

CONNECTICUT DEPARTMENT OF TRANSPORTATION
 BUREAU OF ENGINEERING & CONSTRUCTION
 APPROVED: *Tracy J. Fogarty* Tracy L. Fogarty, P.E. 2012.08.05 13:26:00
 PRINCIPAL ENGINEER

WORK IN SHOULDER - TWO LANE HIGHWAY

SIGN FACE 71 SQ. FT. (MIN.)

CONSTRUCTION TRAFFIC CONTROL PLAN
PLAN 14
 SEE NOTES 1, 2, 4, 7, 8

CONNECTICUT DEPARTMENT OF TRANSPORTATION
 BUREAU OF ENGINEERING & CONSTRUCTION
 APPROVED: *Charles S. Harlow* Charles S. Harlow 2012.08.05 13:56:08-04:00
 PRINCIPAL ENGINEER

Project: TOWN OF CHESHIRE
 BARTLEM PARK SOUTH - PHASE I
 520 S MAIN ST.
 CHESHIRE, CT 06410

Weston & Sampson
 Weston & Sampson Engineers, Inc.
 712 Brook Street
 Rocky Hill, CT 06067
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 www.westonandsampson.com

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No.	Date	Description

COA:

No.	Date	Description

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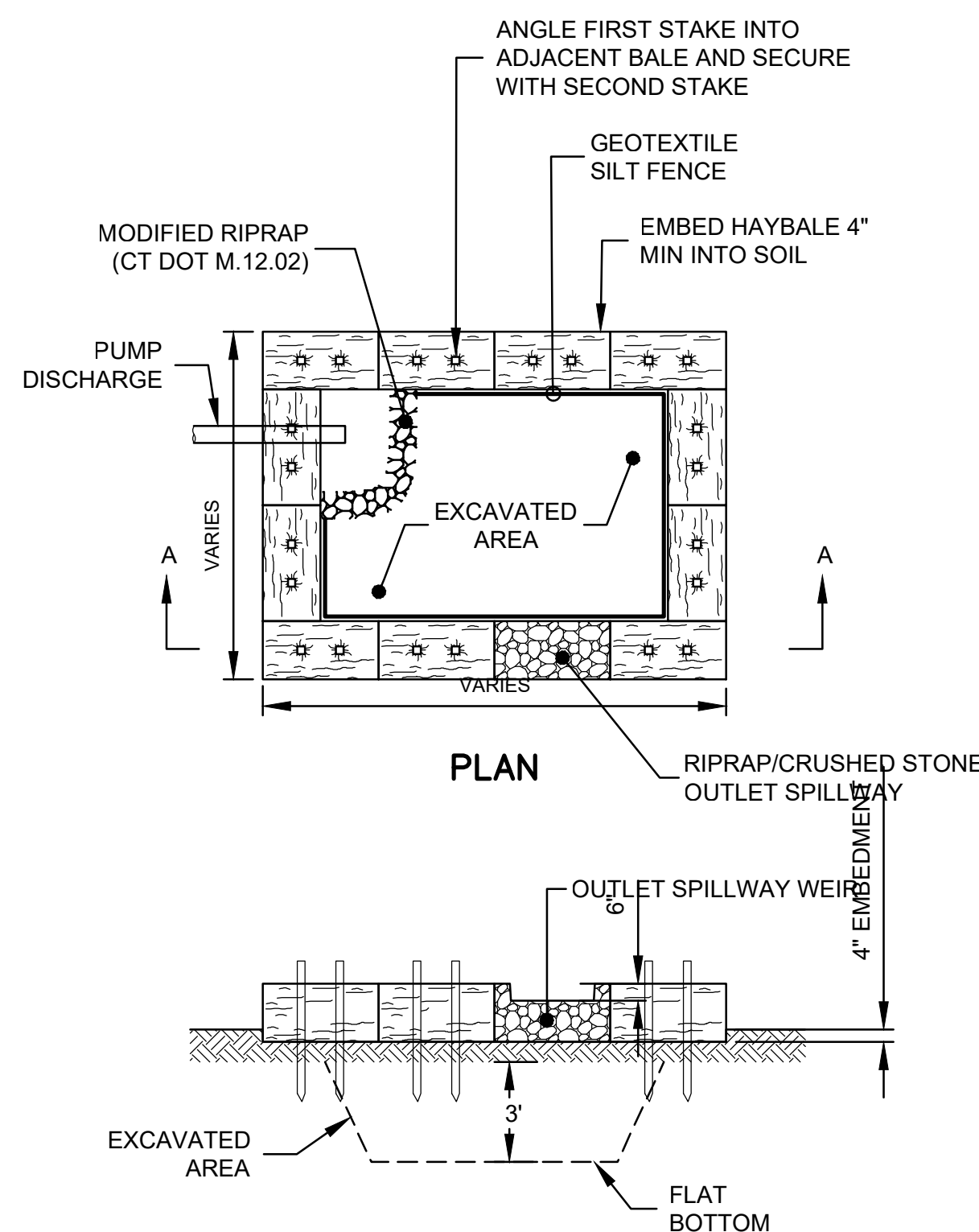
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Date: 1/11/2023
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 Reviewed By: --
 Approved By: --

W&S Project No.: ENG22 - 0258
 W&S File No.:

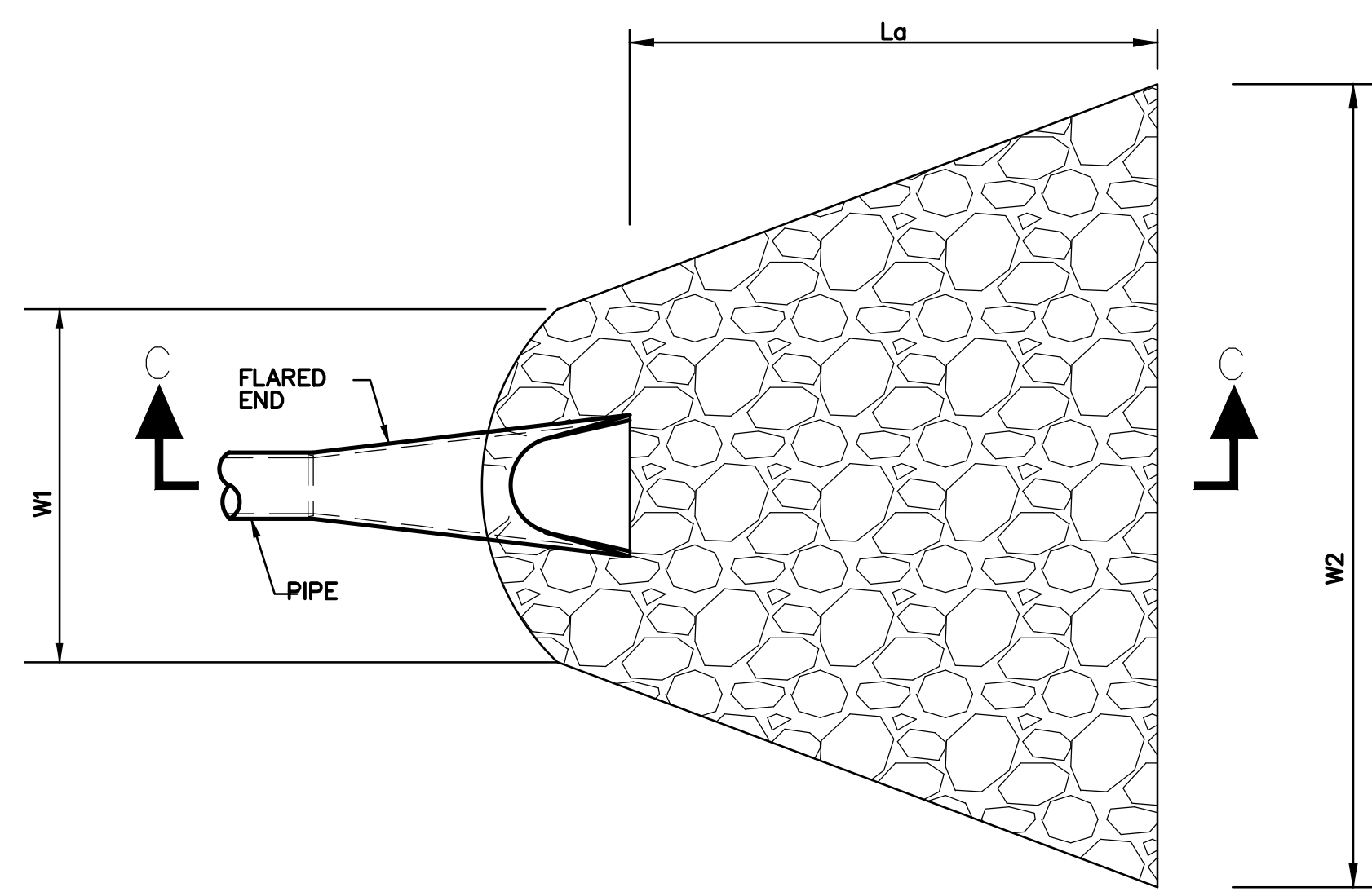
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Sheet Number:
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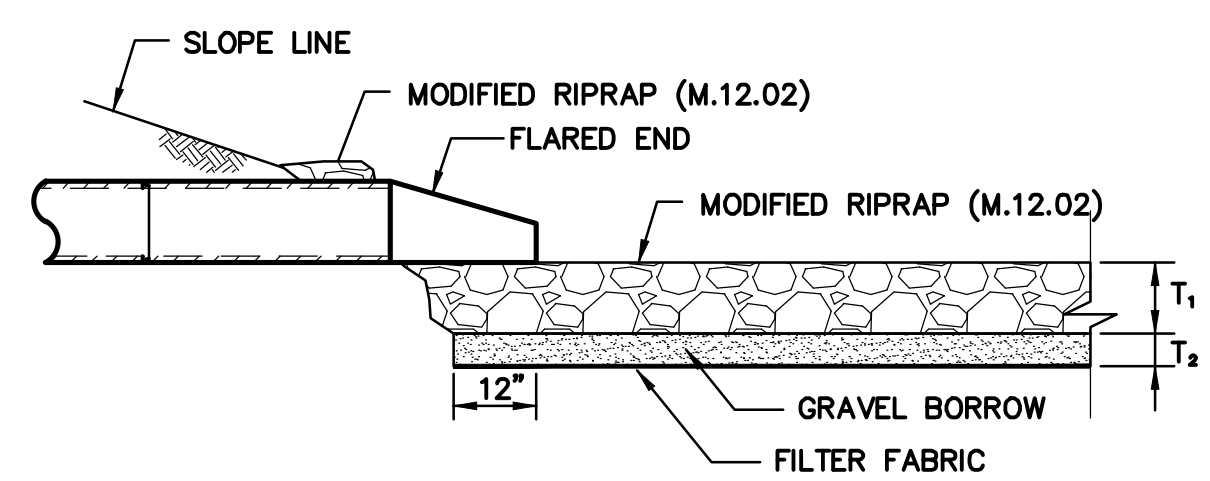


NOTES
 1. CONTRACTOR SHALL SIZE DEWATERING BASIN AS REQUIRED FOR PUMP FLOWRATE AND RESIZE AS REQUIRED IF THERE IS A CHANGE IN CONDITIONS.

DEWATERING BASIN DETAIL
 N.T.S.



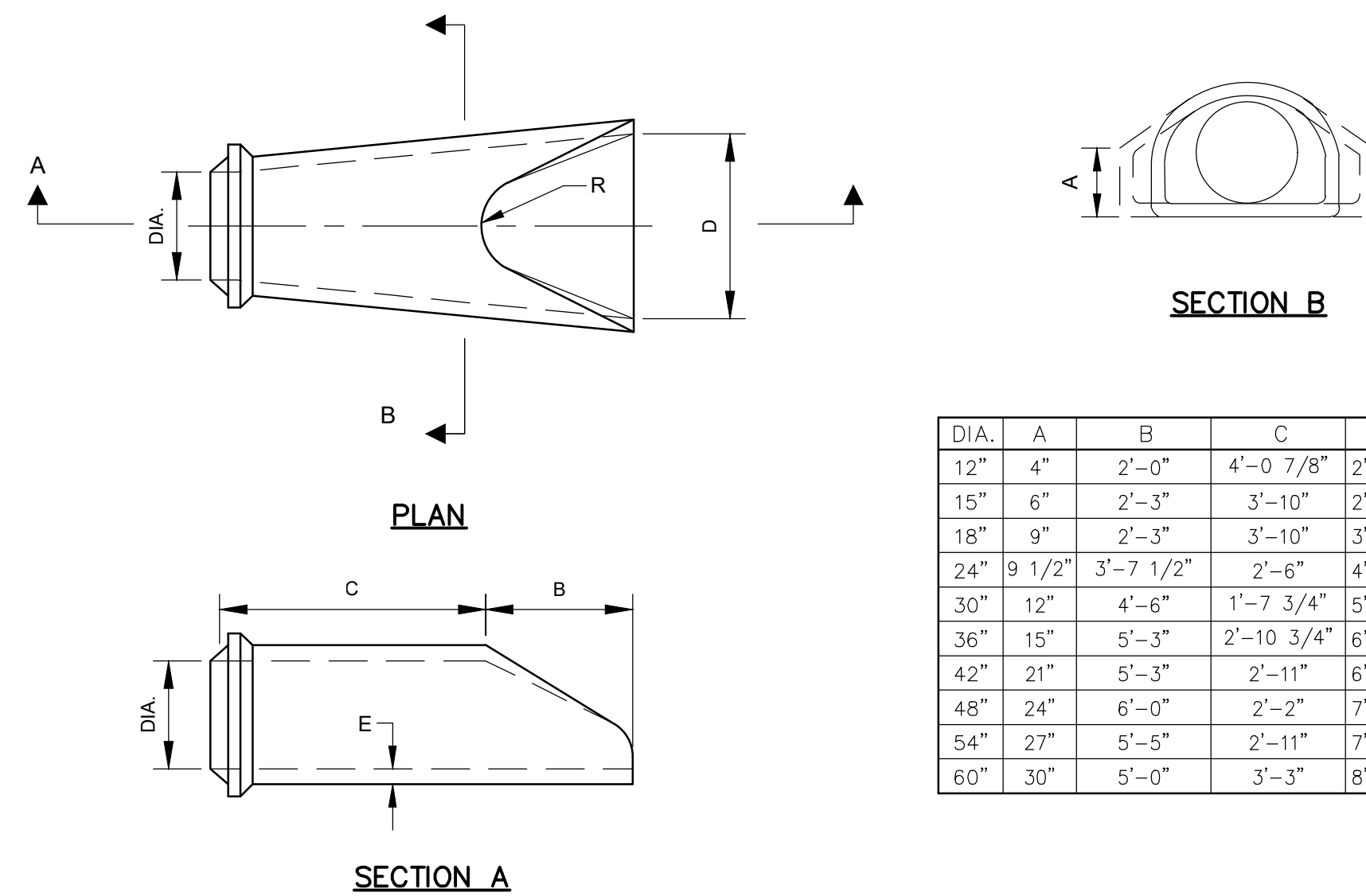
PLAN



SECTION C-C

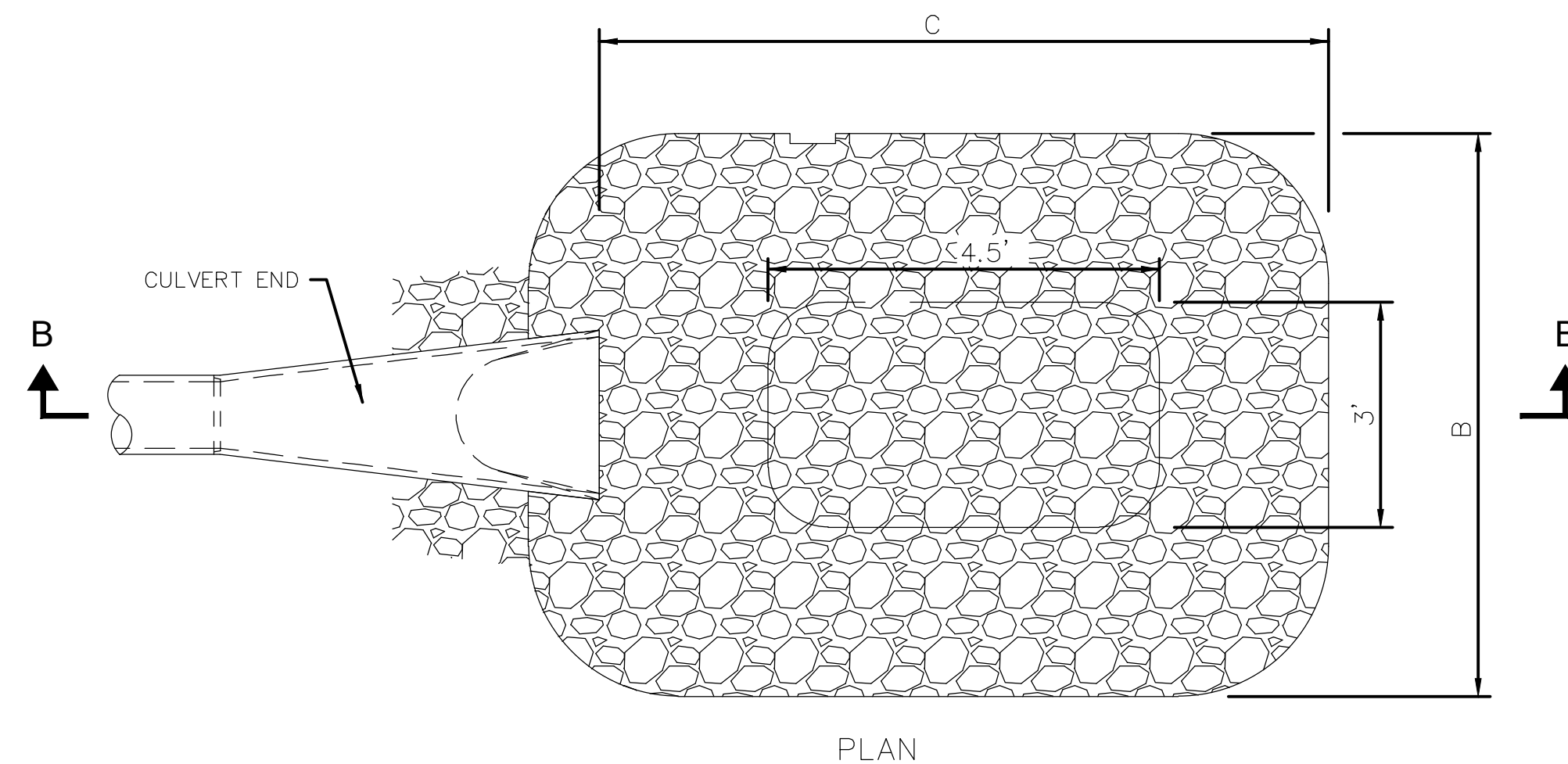
IDENTIFICATION	RIPRAP TYPE	T ₁ (RIPRAP)	T ₂ (GRAVEL)	W1	W2	L ₀
C1	MODIFIED RIPRAP	12"	6"	3'	5'	3'
D1	MODIFIED RIPRAP	12"	6"	4'	9'	7'
D21	MODIFIED RIPRAP	12"	6"	3'	6'	4'
F1	MODIFIED RIPRAP	12"	6"	4'	8'	5'

RIPRAP APRON DETAIL
 N.T.S.

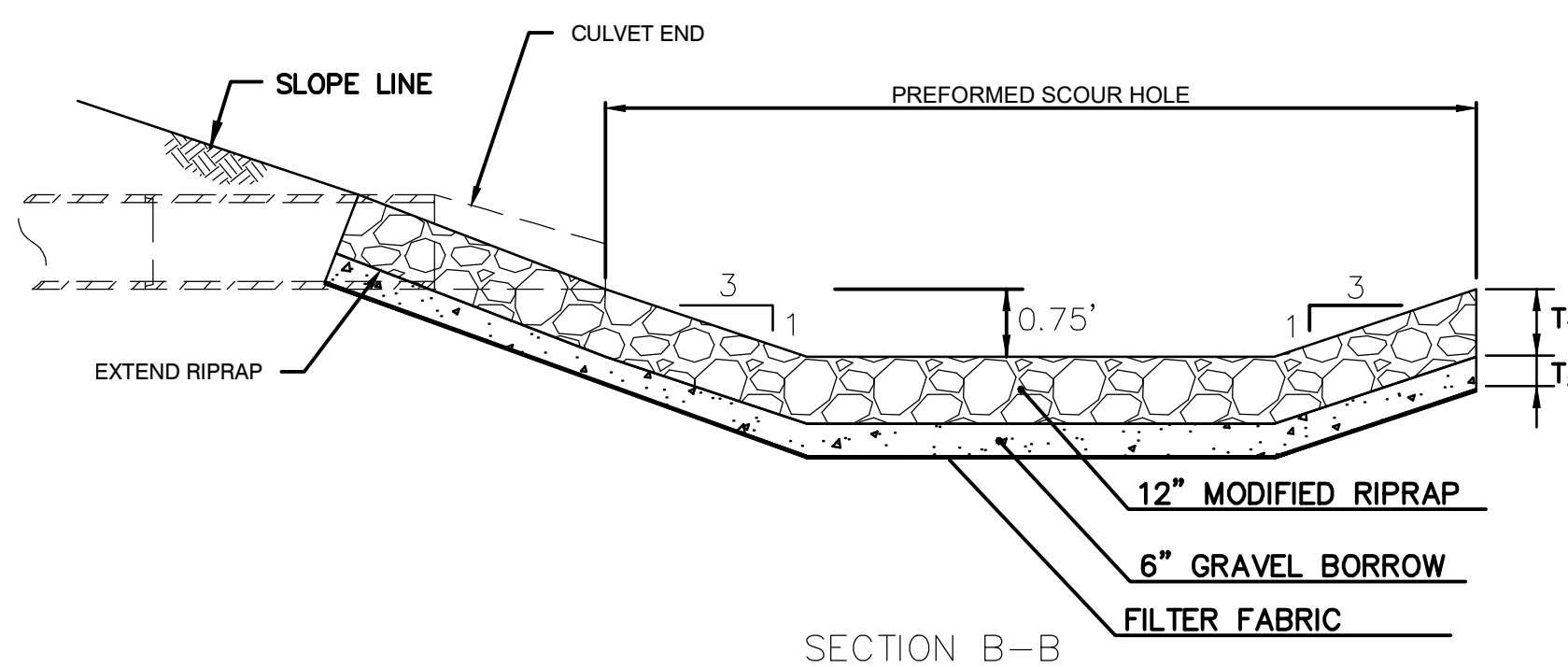


DIA.	A	B	C	D	E	R
12"	4"	2'-0"	4'-0 7/8"	2'-0"	2"	9"
15"	6"	2'-3"	3'-10"	2'-6"	2 1/4"	11"
18"	9"	2'-3"	3'-10"	3'-0"	2 1/2"	12"
24"	9 1/2"	3'-7 1/2"	2'-6"	4'-0"	3"	14"
30"	12"	4'-6"	1'-7 3/4"	5'-0"	3 1/2"	15"
36"	15"	5'-3"	2'-10 3/4"	6'-0"	4"	20"
42"	21"	5'-3"	2'-11"	6'-6"	4 1/2"	22"
48"	24"	6'-0"	2'-2"	7'-0"	5"	22"
54"	27"	5'-5"	2'-11"	7'-6"	5 1/2"	24"
60"	30"	5'-0"	3'-3"	8'-0"	6"	24"

REINFORCED CONCRETE CULVERT END DETAILS
 N.T.S.



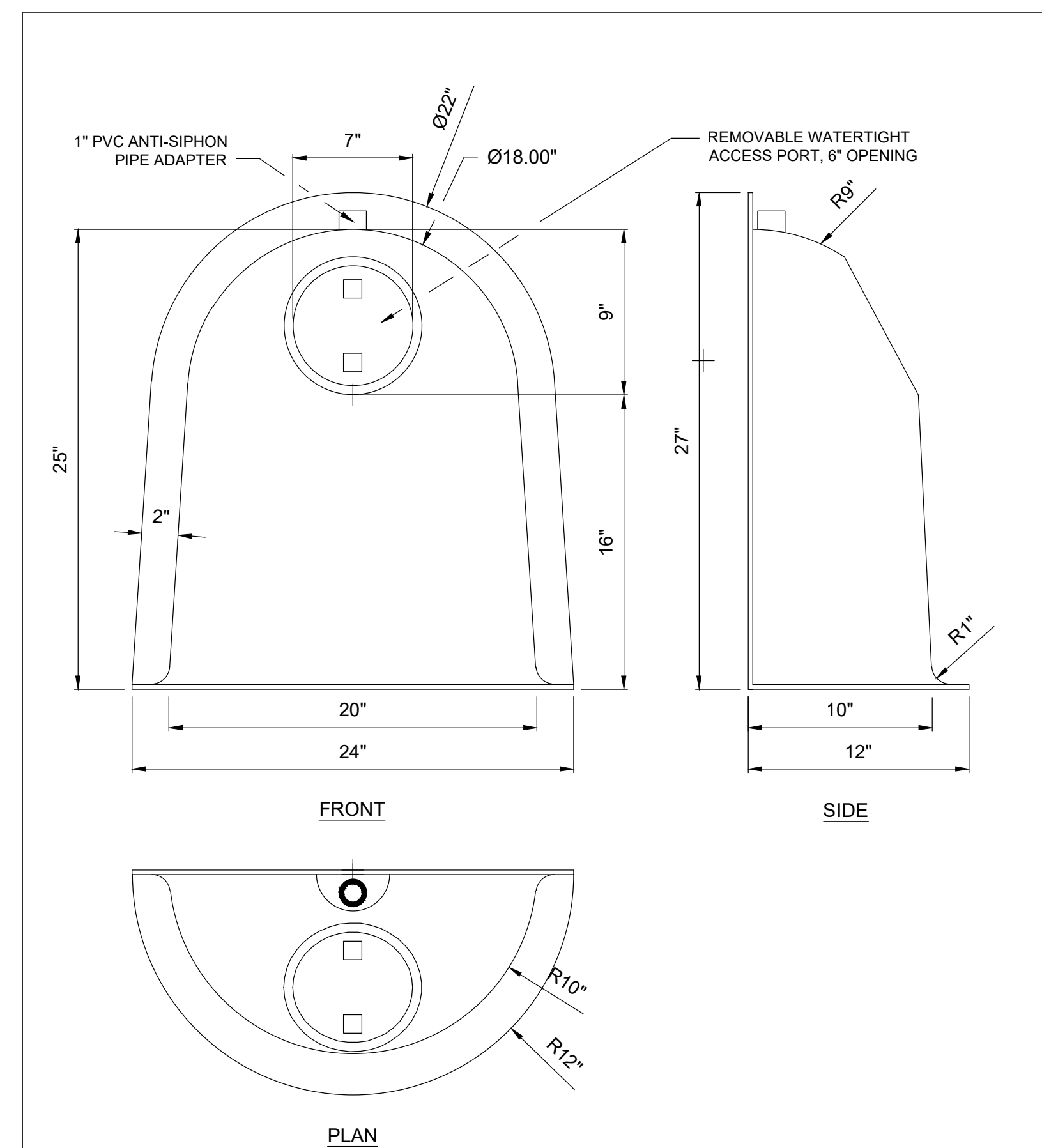
PLAN



SECTION B-B

IDENTIFICATION	RIPRAP TYPE	T ₁ (RIPRAP)	T ₂ (GRAVEL)	W1	B	C
A30	MODIFIED RIPRAP	12"	6"	3'	8'	9'
A40	MODIFIED RIPRAP	12"	6"	4'	8'	9'

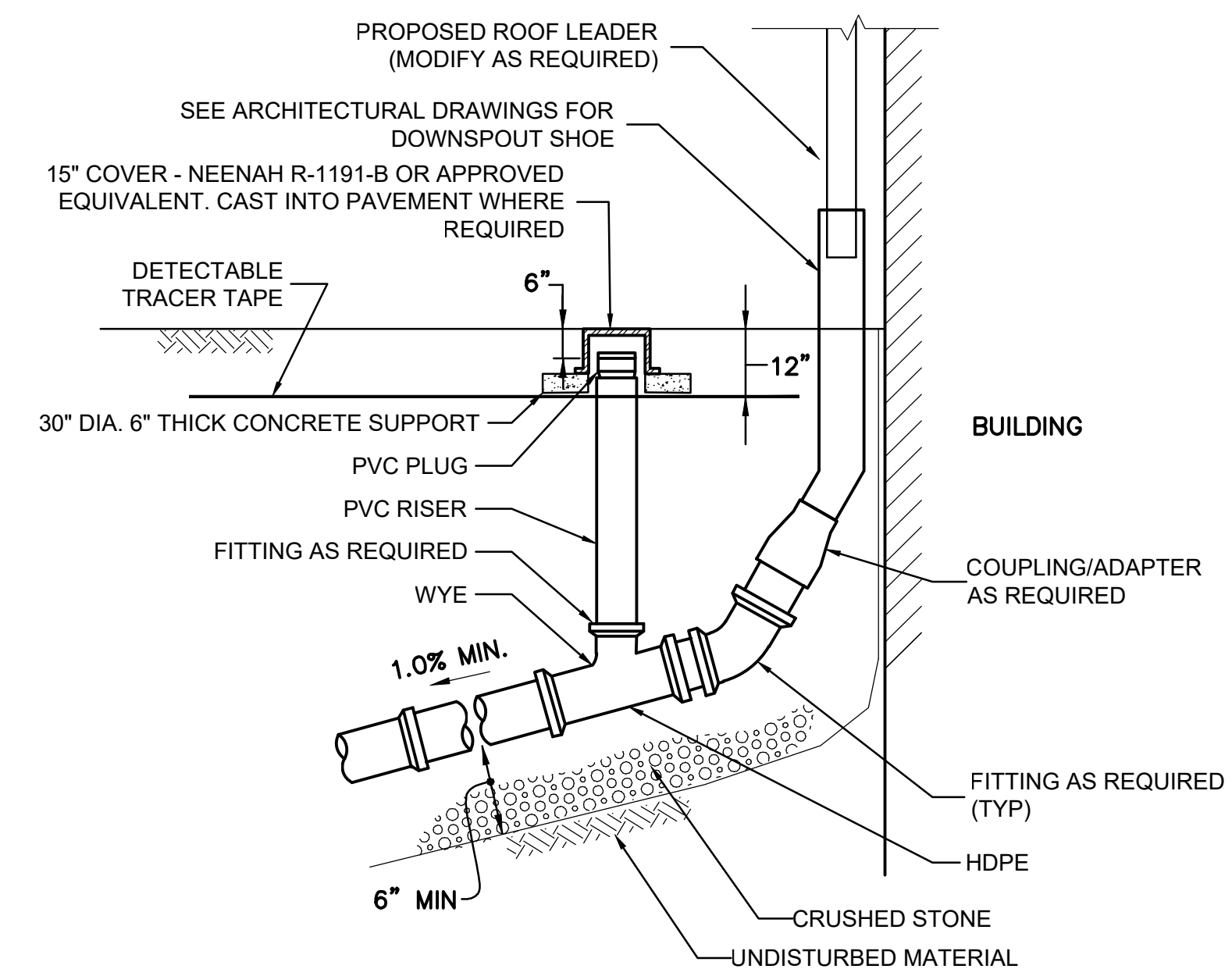
PREFORMED SCOUR HOLE DETAIL
 N.T.S.



NOTE:
 MODEL SHOWN FOR REFERENCE. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT HOOD TYPE, SIZE, AND STRUCTURE WALL FOR INSTALLATION.

US PATENT #6126817 ADDITIONAL PATENTS PENDING		
BMP, INC.		
53 MT. ARCHER ROAD, LYME, CT. 06371 (800) 504-8008 FAX: (860) 434-3195		
DESCRIPTION	DATE	SCALE
18F SNOUT OIL & DEBRIS STOP	09/14/99	NONE
	DRAWING NUMBER	18F

SNOUT IN DRAINAGE STRUCTURE
 N.T.S.



NOTES:
 1. DETECTABLE TRACER TAPE TO BE INSTALLED FOR THE ENTIRE LENGTH OF THE ROOF LEADER EXTENSION.
 2. PROVIDE FITTINGS, COUPLINGS AND ADAPTERS AS REQUIRED.
 3. SEE PLAN FOR ROOF LEADER LOCATIONS

ROOF LEADER CONNECTION DETAIL
 N.T.S.

Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:

Seal:

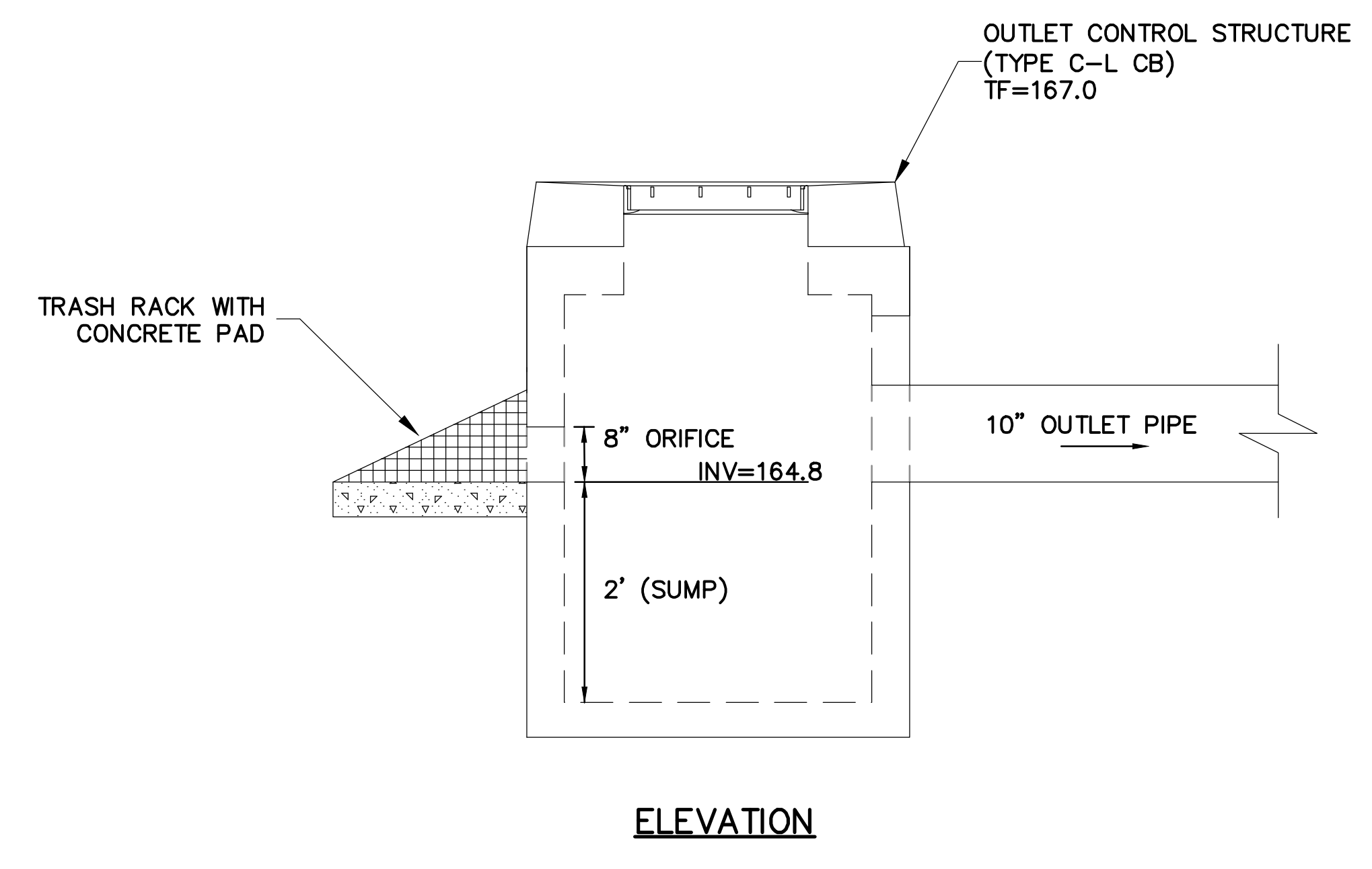
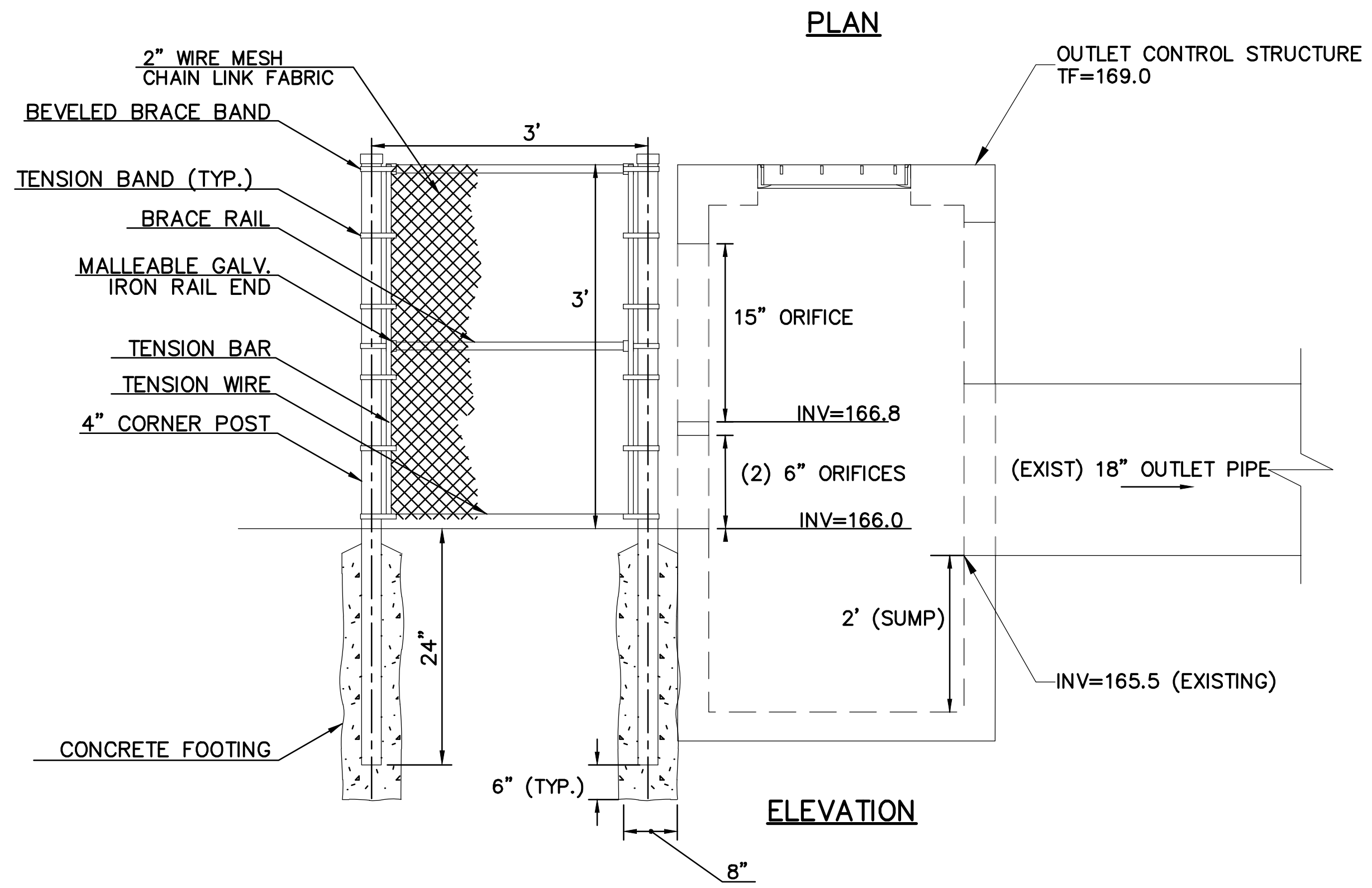
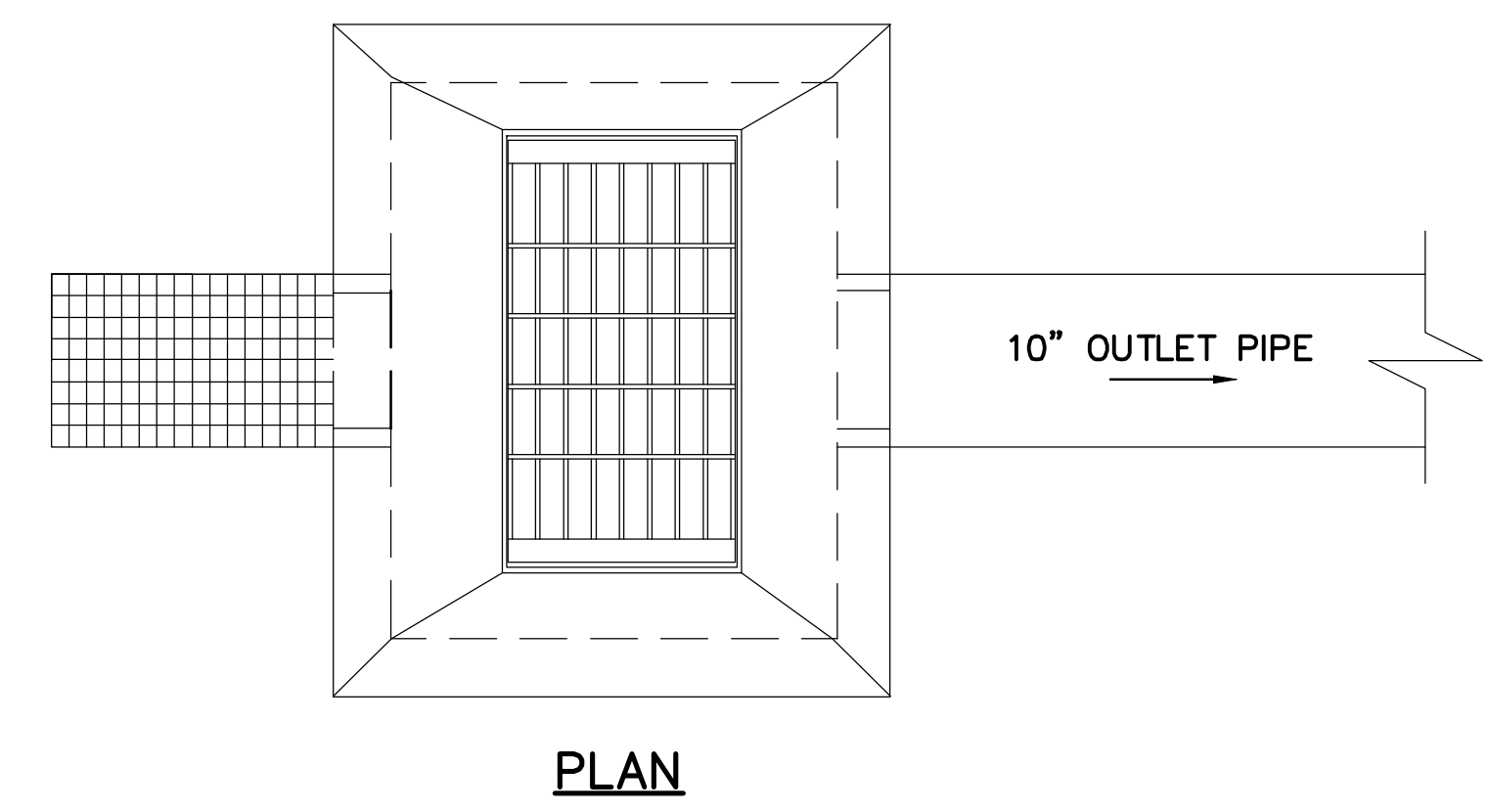
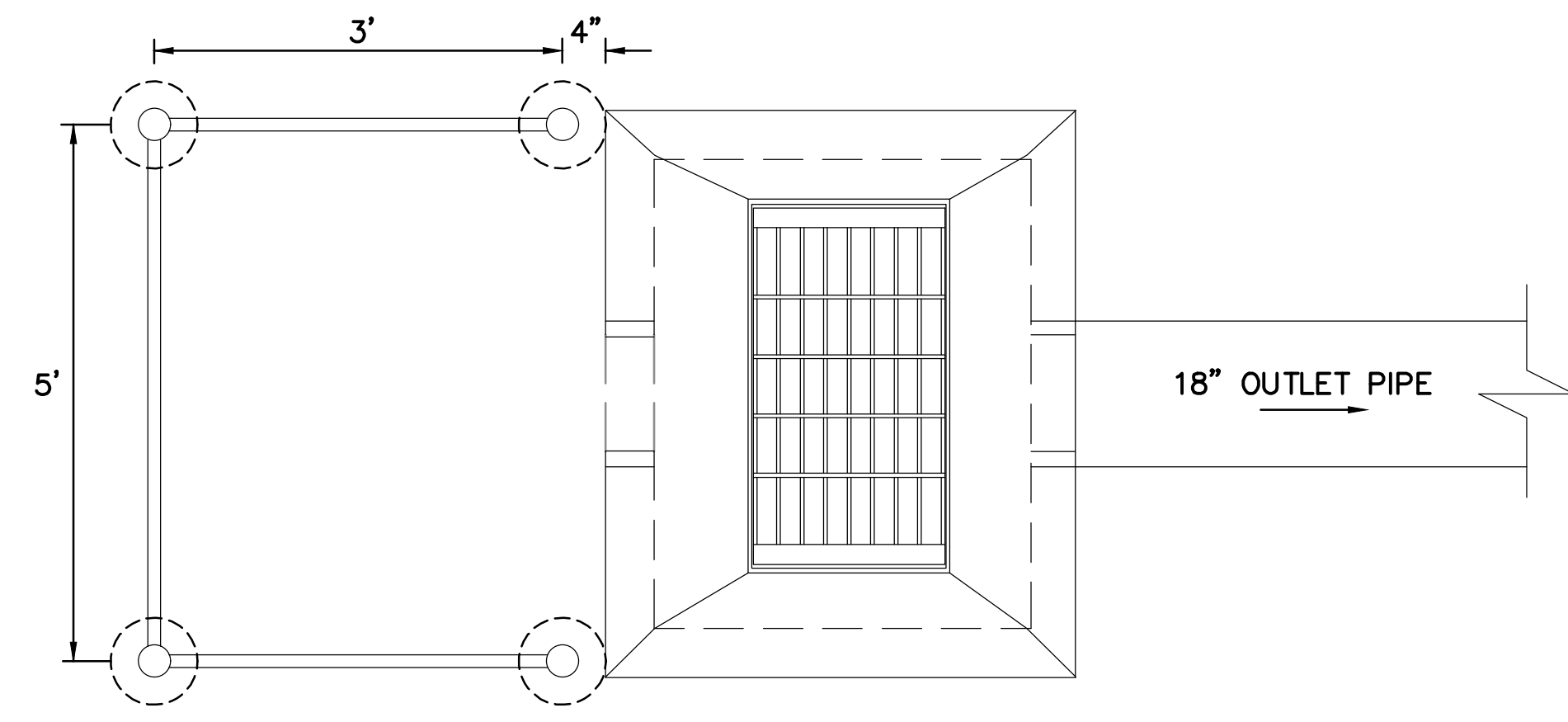
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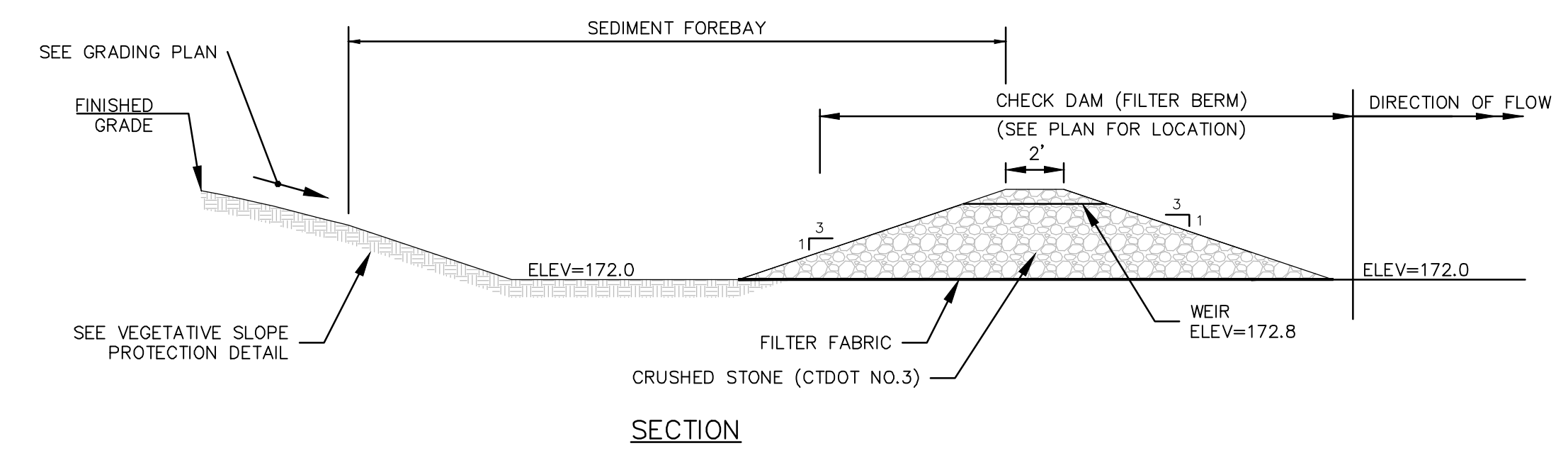
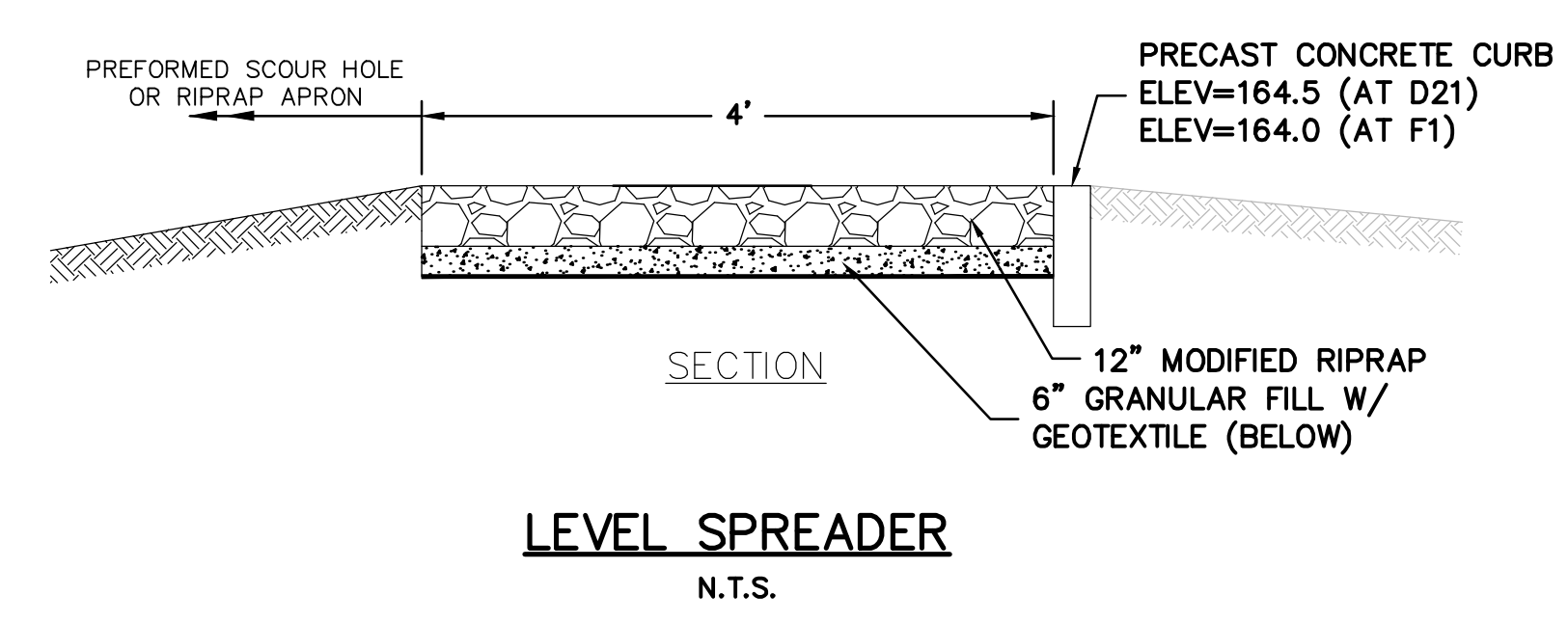
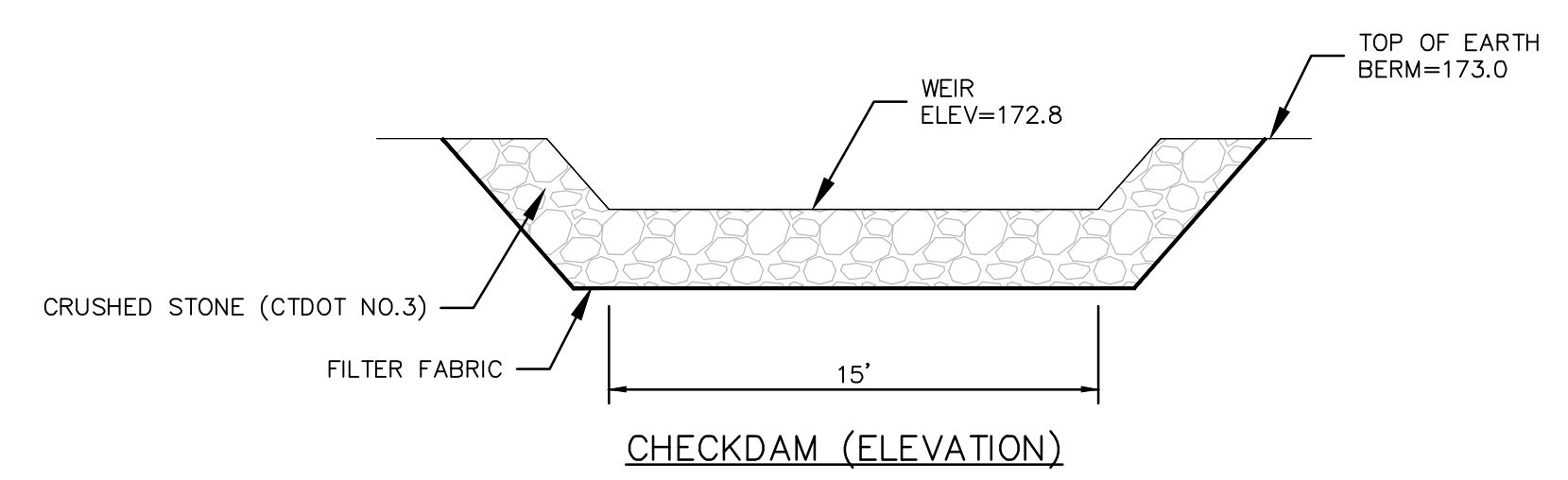
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Sheet Number: **L907**



NOTE: ALL COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION.
OUTLET CONTROL STRUCTURE (A20) DETAIL W/ TRASH RACK
 N.T.S.

NOTE: ALL COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION.
OUTLET CONTROL STRUCTURE (D20) DETAIL W/ TRASH RACK
 N.T.S.



NOTES:
 1. THE SEDIMENT FOREBAY AND CHECKDAM SHALL BE CONSTRUCTED AFTER SITE IS STABILIZED TO PREVENT CLOGGING WITH SEDIMENT. IF SITE IS NOT STABILIZED, THEN THE FOREBAY AND CHECKDAM SHALL BE LINED WITH FILTER FABRIC UNTIL STABILIZATION HAS BEEN ACHIEVED.
PRE-TREATMENT SEDIMENT FOREBAY DETAIL
 N.T.S.

Consultants:

Revisions:

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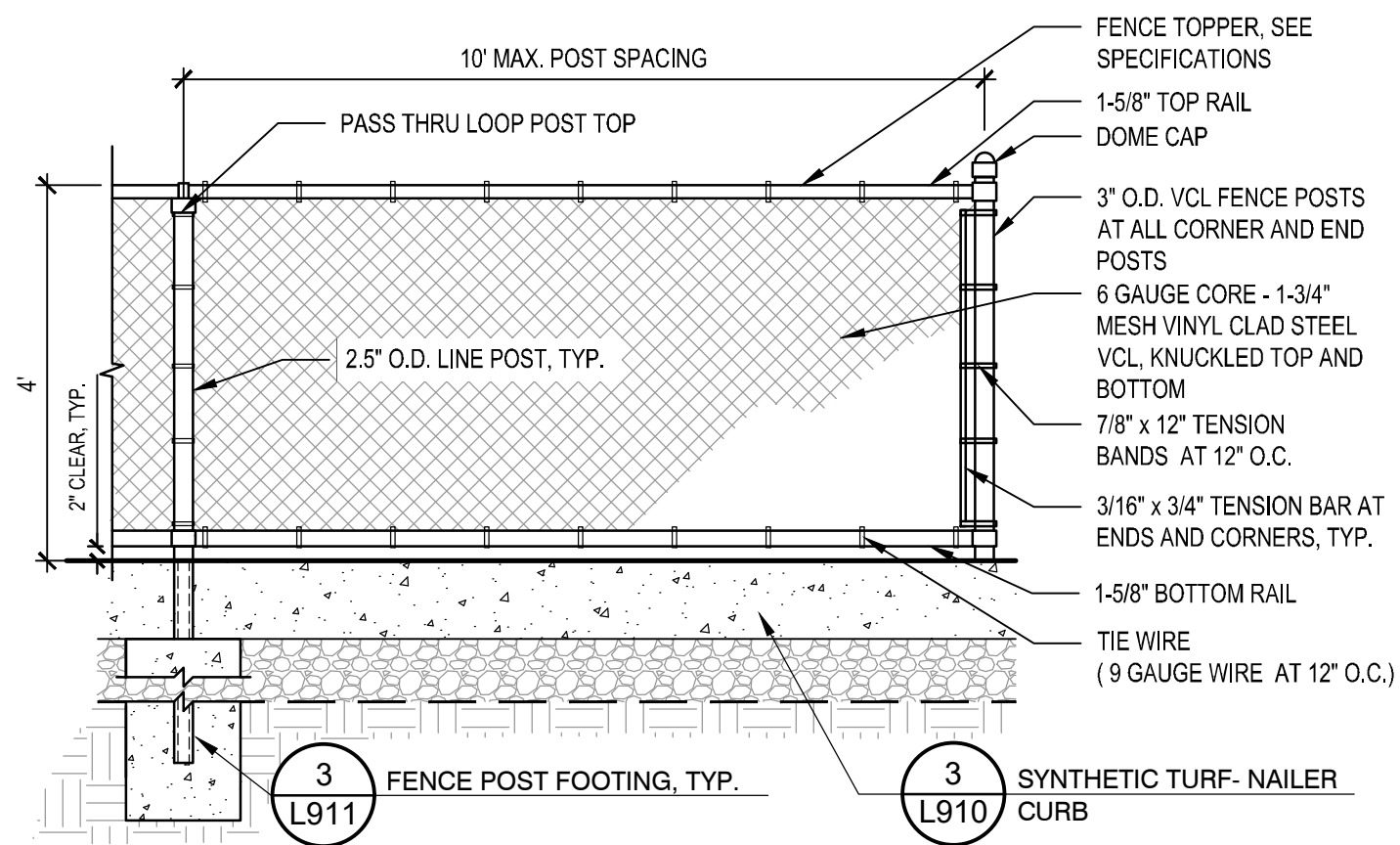
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SITE CONSTRUCTION DETAILS

Sheet Number:
L909

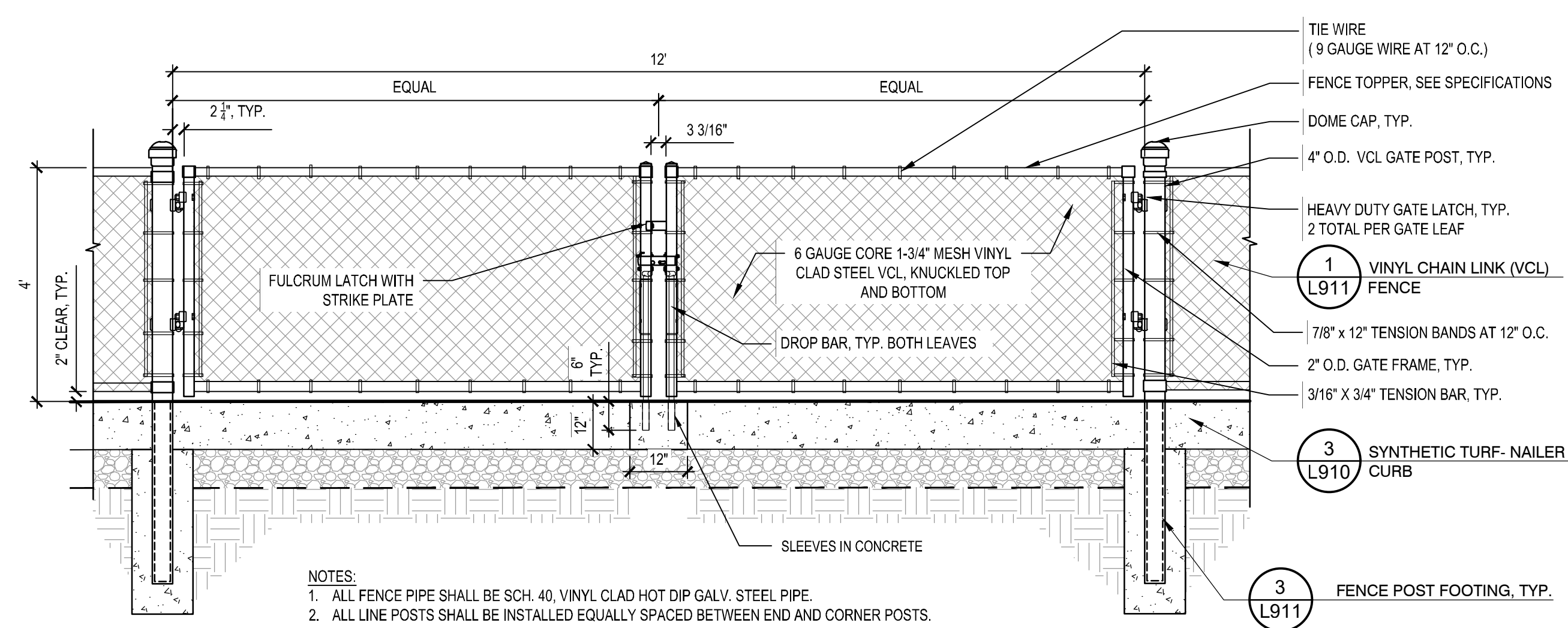


- NOTES:
1. ALL FENCE PIPE SHALL BE SCH. 40, VINYL CLAD HOT DIP GALV. STEEL PIPE.
 2. ALL LINE POSTS SHALL BE INSTALLED EQUALLY SPACED BETWEEN END AND CORNER POSTS.
 3. ALL CLAMPS, TIES, POST TOPS, BANDS, POSTS, RAILS, ETC. SHALL BE VINYL CLAD TO MATCH FABRIC.
 4. ALL FENCING SHALL INCLUDE FENCE TOPPER, SEE SPECIFICATIONS

1 VINYL CHAIN LINK (VCL) FENCE

NOT TO SCALE

CT-BP-44

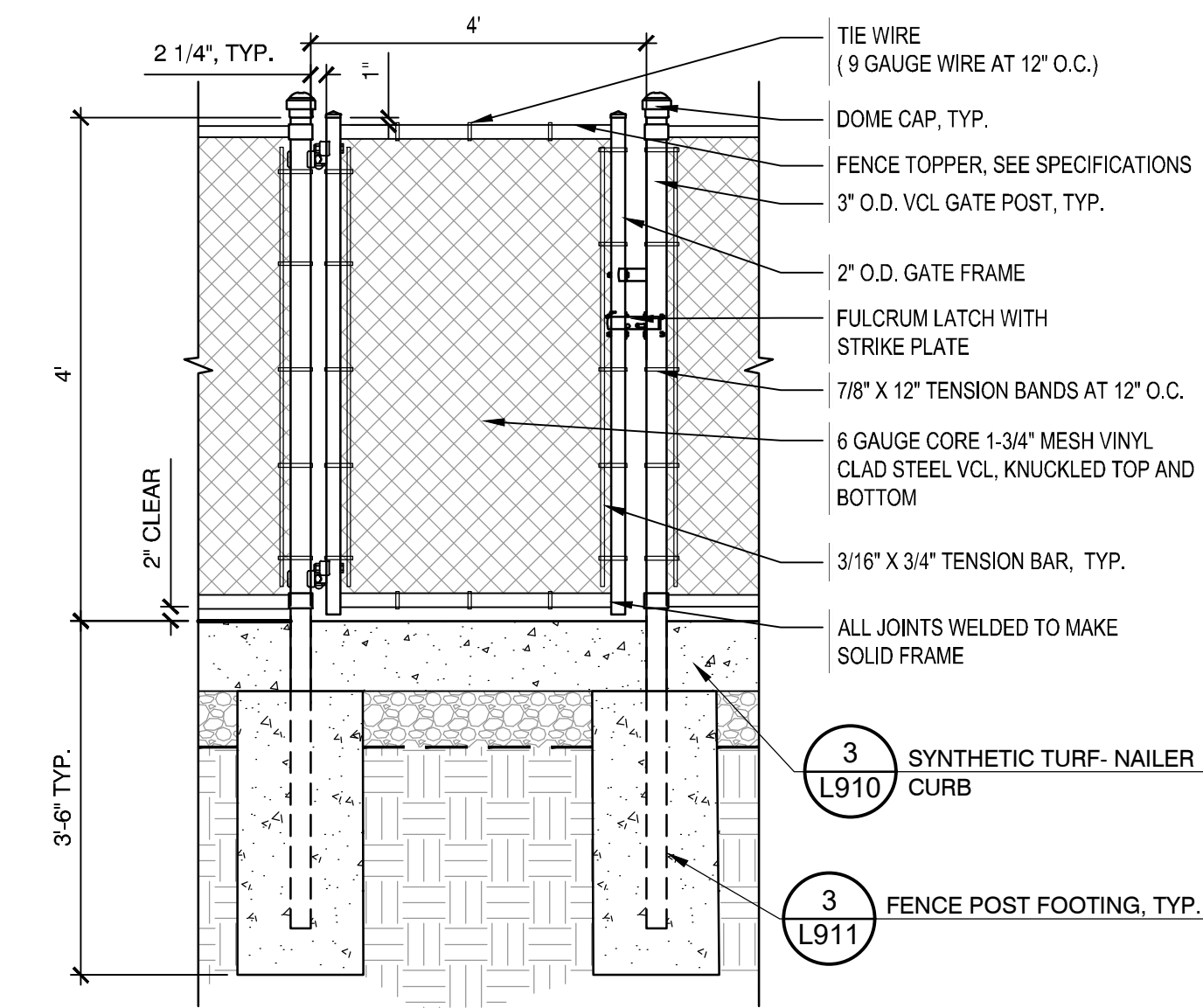


- NOTES:
1. ALL FENCE PIPE SHALL BE SCH. 40, VINYL CLAD HOT DIP GALV. STEEL PIPE.
 2. ALL LINE POSTS SHALL BE INSTALLED EQUALLY SPACED BETWEEN END AND CORNER POSTS.
 3. CONTRACTOR SHALL GRADE AS REQUIRED (BELOW GATE) TO ALLOW FOR FULL OPENING/CLOSING OF GATE.
 4. ALL GATES SHALL INCLUDE FENCE TOPPER, SEE SPECIFICATIONS

4 VINYL CHAIN LINK (VCL) FENCE, DOUBLE SWING GATE

NOT TO SCALE

CT-BP-16

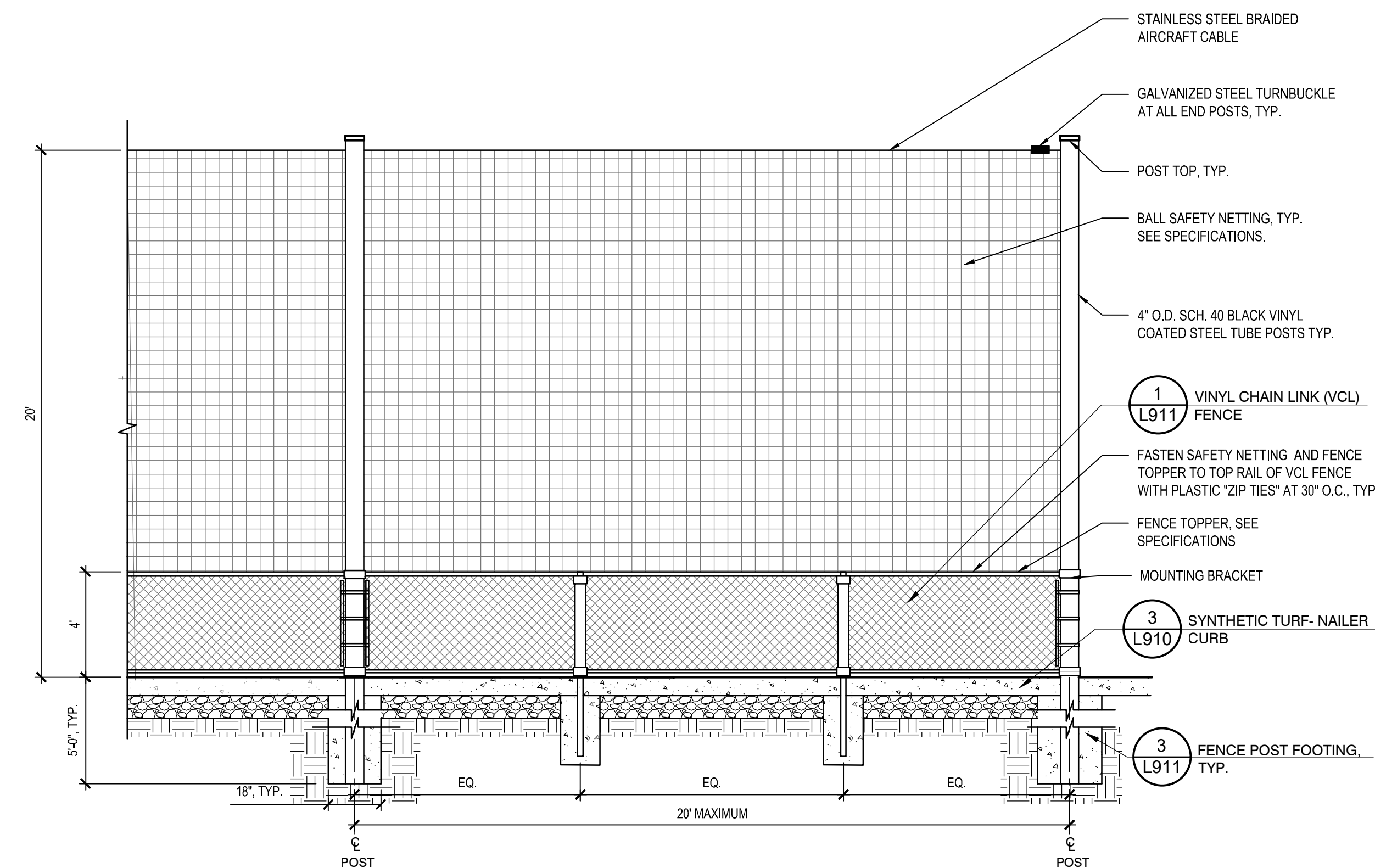


- NOTES:
1. ALL FENCE PIPE SHALL BE SCH. 40, VINYL CLAD HOT DIP GALV. STEEL PIPE.
 2. ALL LINE POSTS SHALL BE INSTALLED EQUALLY SPACED BETWEEN END AND CORNER POSTS.
 3. ALL CLAMPS, TIES, POST TOPS, BANDS, POSTS, RAILS, ETC. SHALL BE VINYL CLAD TO MATCH FABRIC.
 4. CONTRACTOR SHALL GRADE AS REQUIRED (BELOW GATE) TO ALLOW FOR FULL OPENING/CLOSING OF GATE.
 5. ALL GATES SHALL INCLUDE FENCE TOPPER, SEE SPECIFICATIONS

2 VINYL CHAIN LINK (VCL) FENCE SINGLE SWING GATE

NOT TO SCALE

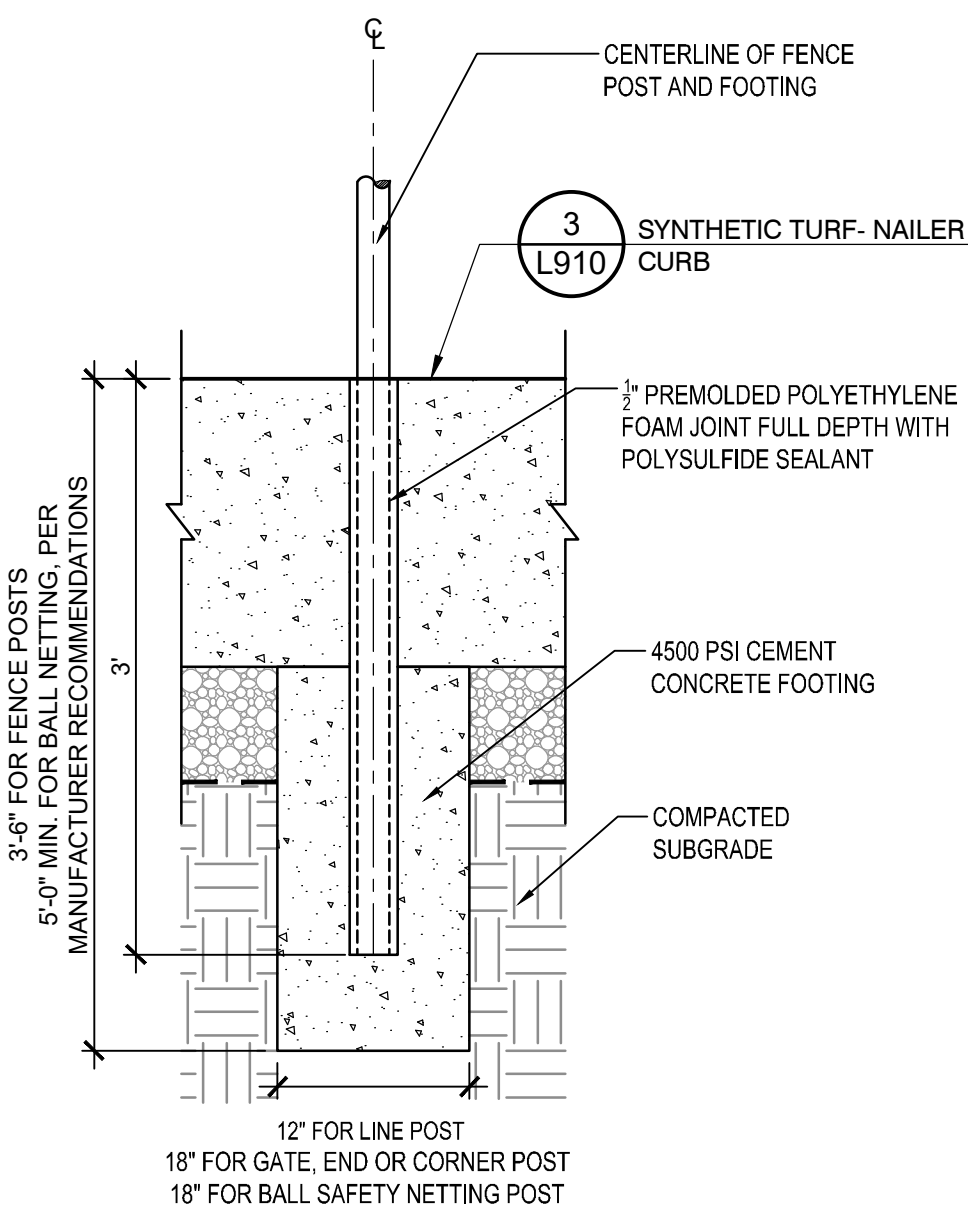
CT-BP-45



5 20' HT BALL SAFETY NETTING

NOT TO SCALE

CT-BP-61

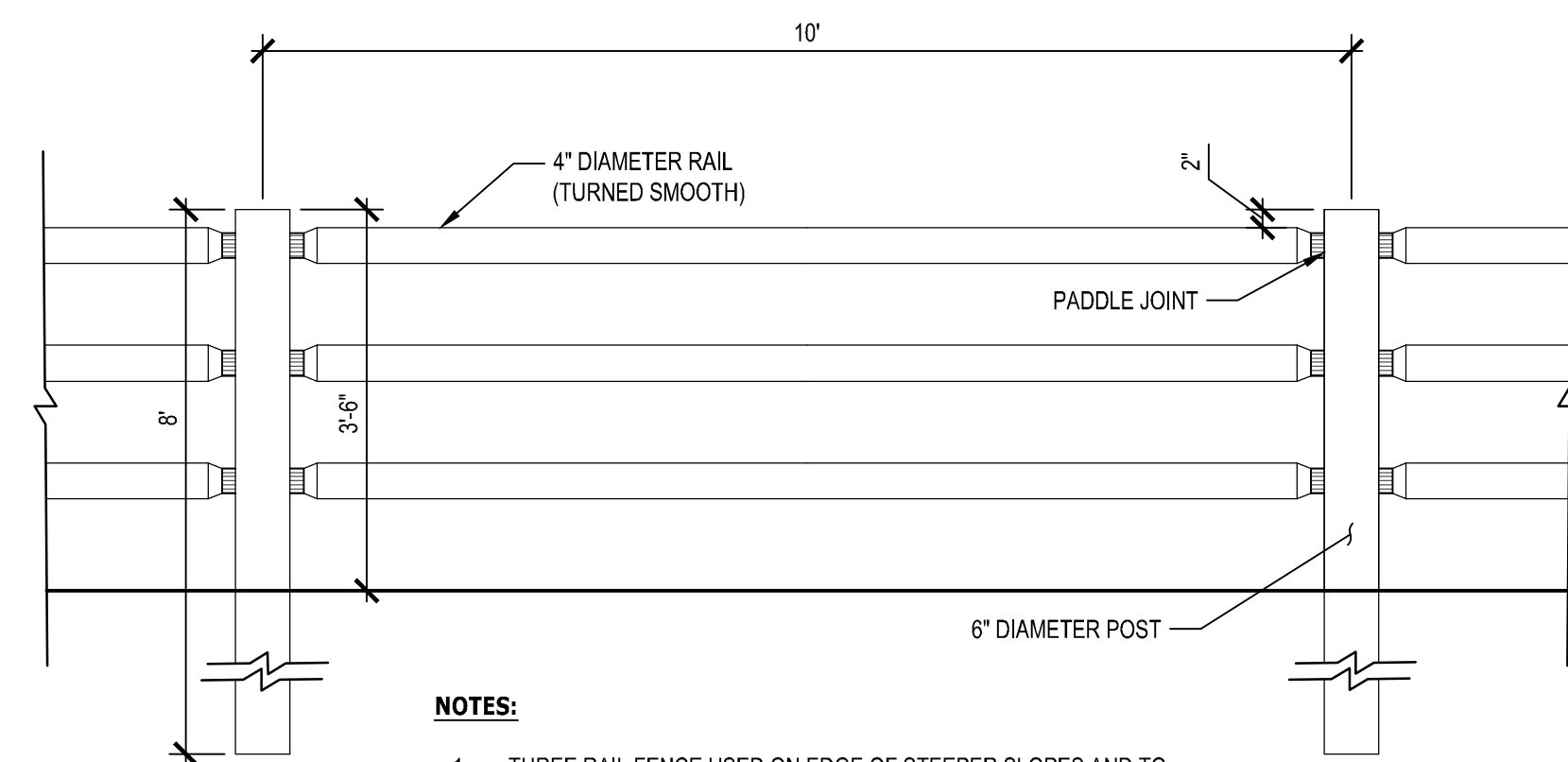


- NOTE:
1. ALL FENCE POST POLES SHALL BE INSPECTED BY THE OWNER/ENGINEER PRIOR TO THE INSTALLATION OF CONCRETE AND FENCE POST.

3 FENCE POST FOOTING, TYP.

NOT TO SCALE

CT-BP-03



- NOTES:
1. THREE RAIL FENCE USED ON EDGE OF STEEPER SLOPES AND TO RESTRICT LIGHT TRAFFIC.
 2. ALL WOOD IS TO BE PRESSURE TREATED 40 CCA TIMBERS.

6 ROUND RAIL FENCE

NOT TO SCALE

CT-BP-88

Consultants:

Revisions:

No.	Date	Description

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Seal:

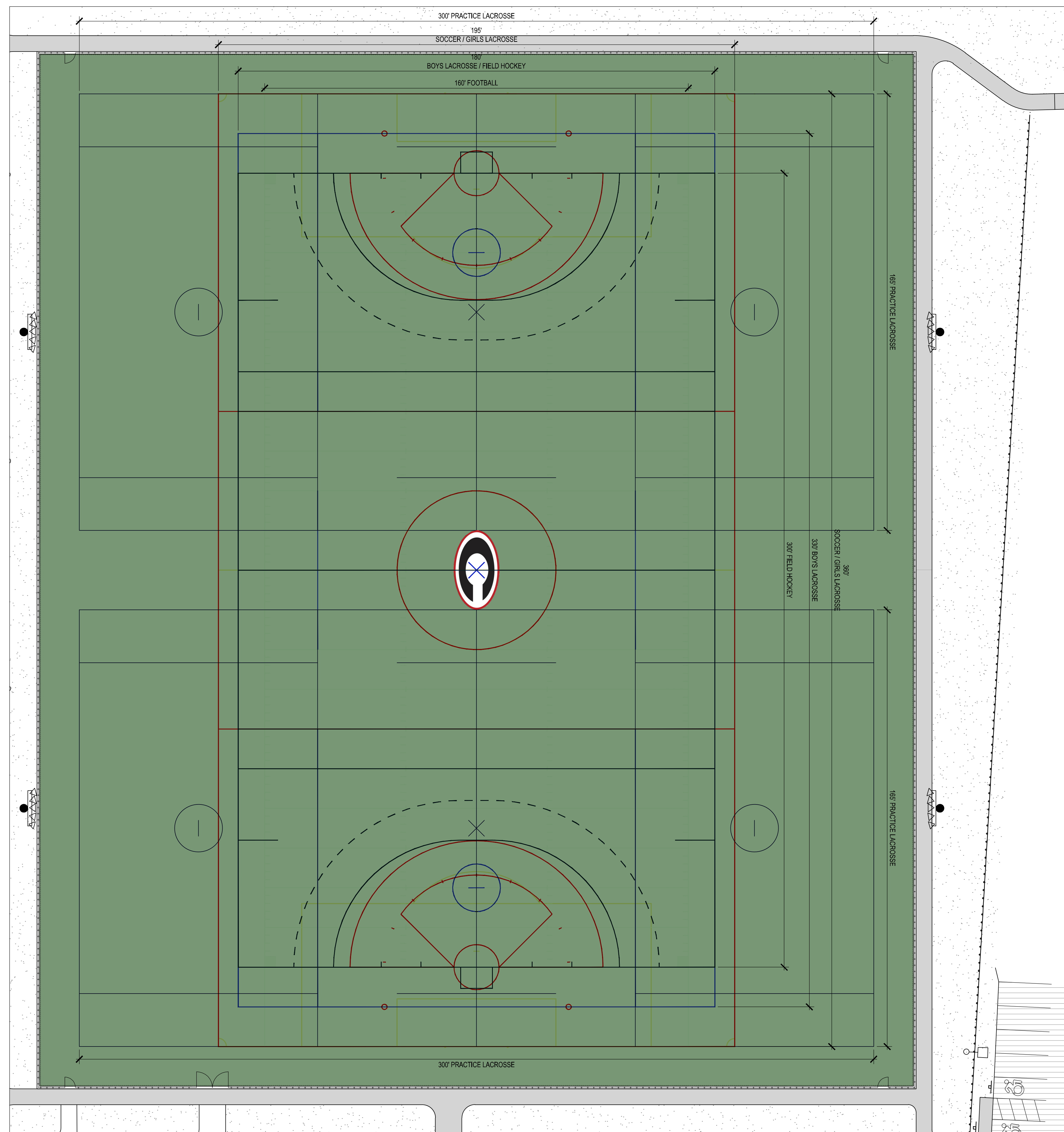
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W&S Project No.: ENG22 - 0258
W&S File No.:

Drawing Title:
SITE
CONSTRUCTION
DETAILS

Sheet Number:
L911



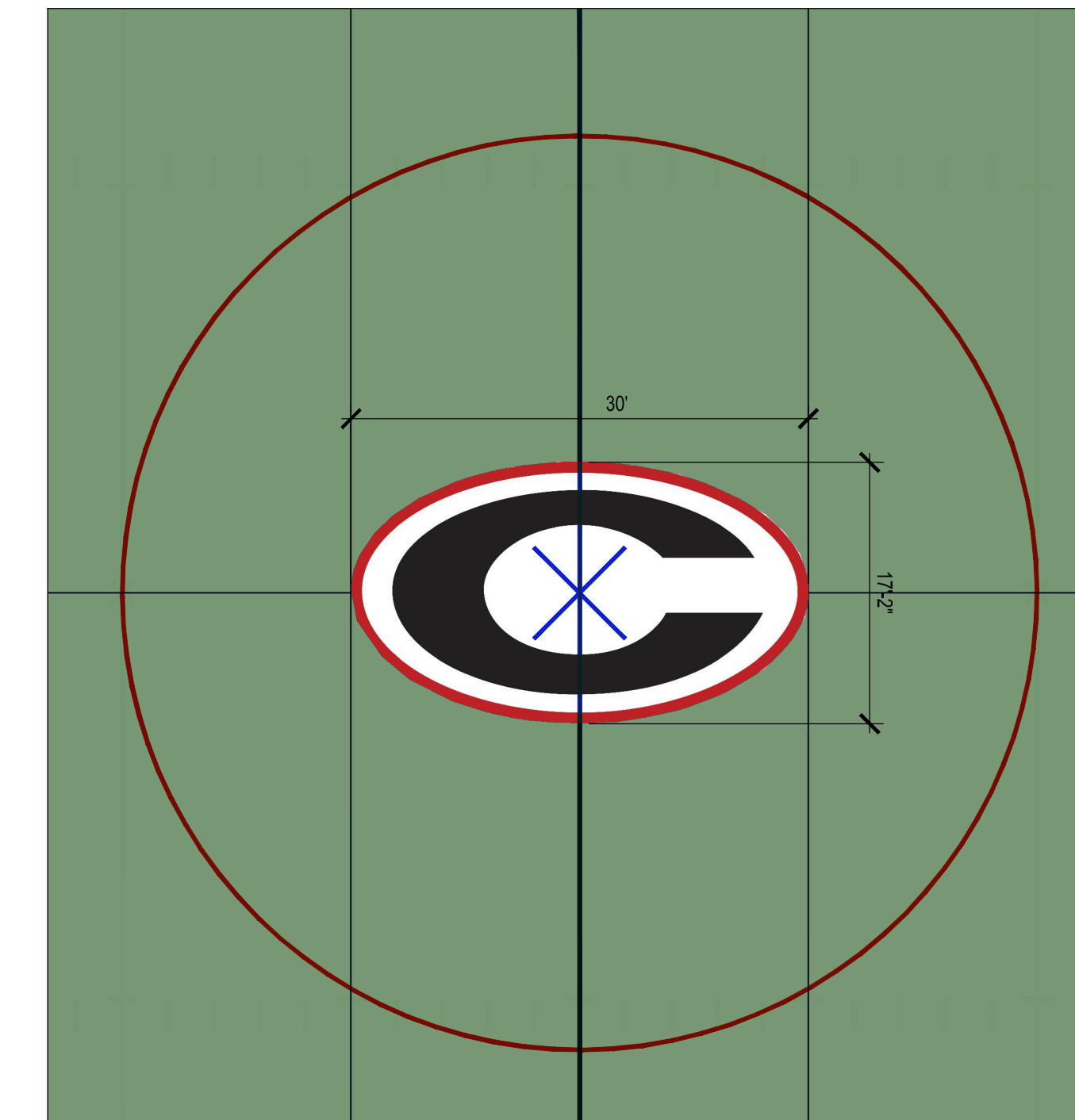
FIELD LAYOUT
FOOTBALL
SOCCER
GIRLS LACROSSE
BOYS LACROSSE
FIELD HOCKEY
PRACTICE LACROSSE

COLOR
COLOR: WHITE
COLOR: YELLOW
COLOR: RED
COLOR: BLUE
COLOR: BLACK
COLOR: GRAY

FIELD DIMENSIONS
360' X 160'
360' X 195'
360' X 195'
330' X 180'
300' X 180'
300' X 165'

NOTES:

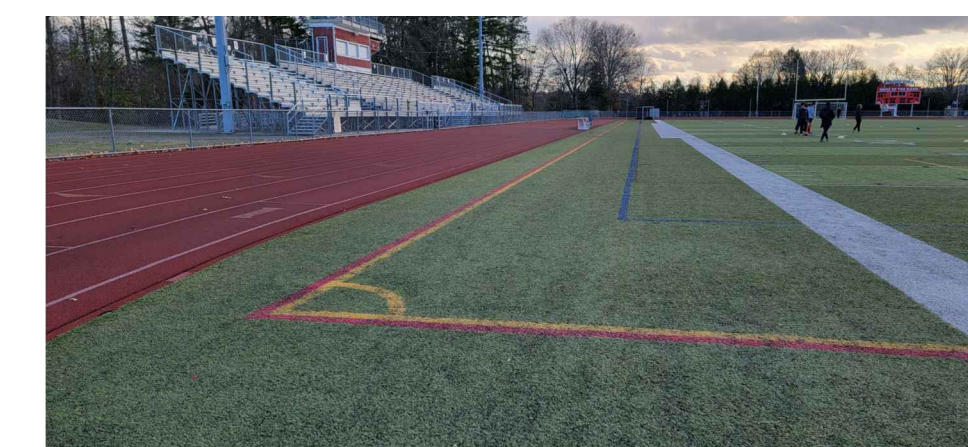
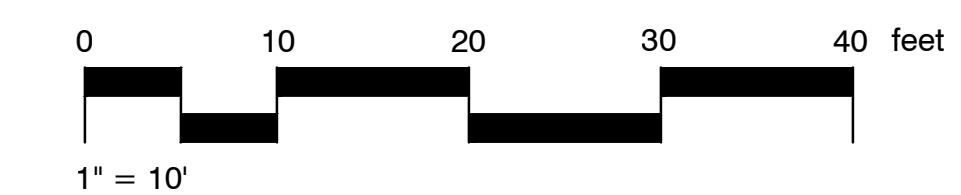
1. ALL FIELD LAYOUTS ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF.
2. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.
3. ALL FIELD DIMENSIONS SHALL CONFORM TO NFHS STANDARDS. PROVIDE SHOP DRAWINGS FOR FIELD STRIPING PRIOR TO ORDERING SYNTHETIC TURF.



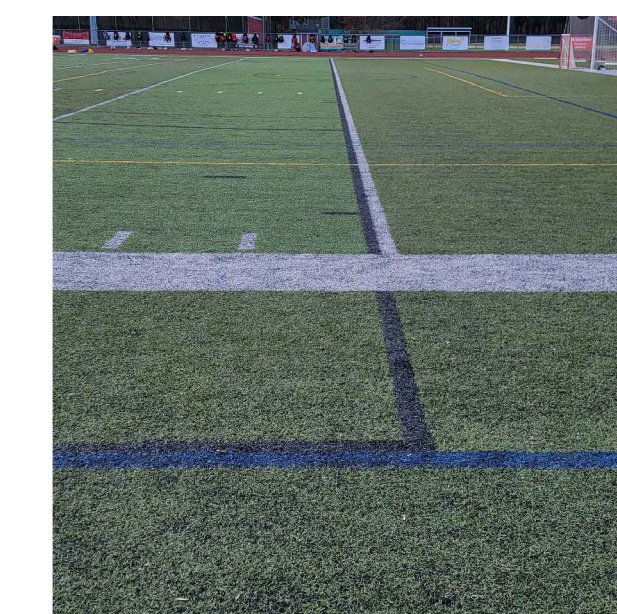
NOTES:

1. CHESHIRE HIGH SCHOOL LOGO STITCHED INTO SYNTHETIC TURF.
2. COLORS: WHITE, BLACK, RED.
3. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT WITH OWNER PRIOR TO ORDERING AND INSTALLATION.

2 SYNTHETIC TURF FIELD LOGO
SCALE: N.T.S.



RED GIRLS LACROSSE LINES AND YELLOW SOCCER LINES



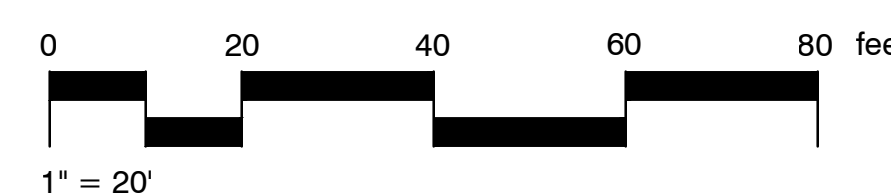
BLUE BOYS LACROSSE LINES AND BLACK FIELD HOCKEY LINES

NOTES:

1. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT WITH OWNER PRIOR TO ORDERING AND INSTALLATION.

3 SYNTHETIC TURF FIELD LINES
SCALE: N.T.S.

1 SYNTHETIC TURF FIELD LAYOUT
SCALE: N.T.S.



Consultants:

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No.	Date	Description

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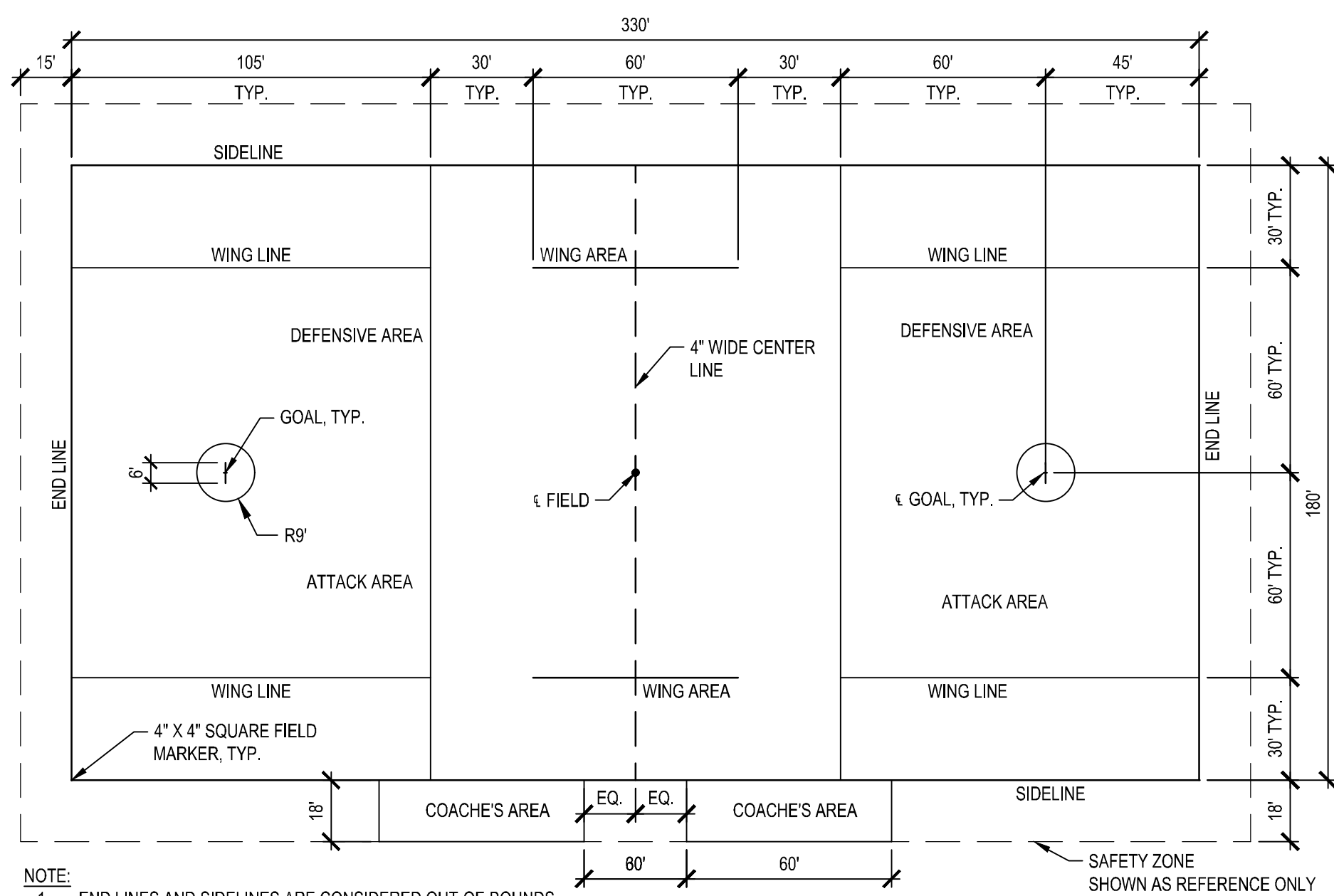
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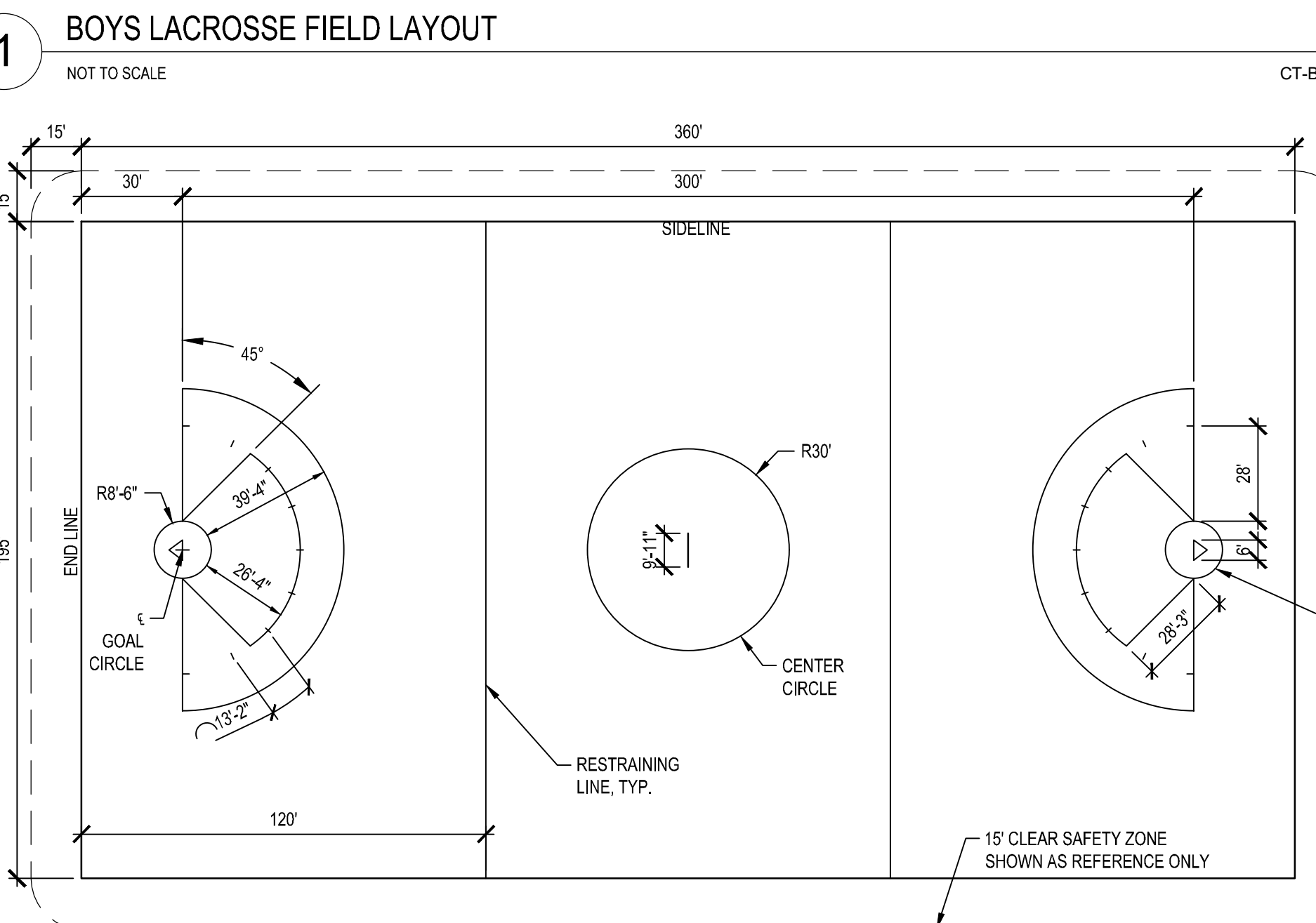
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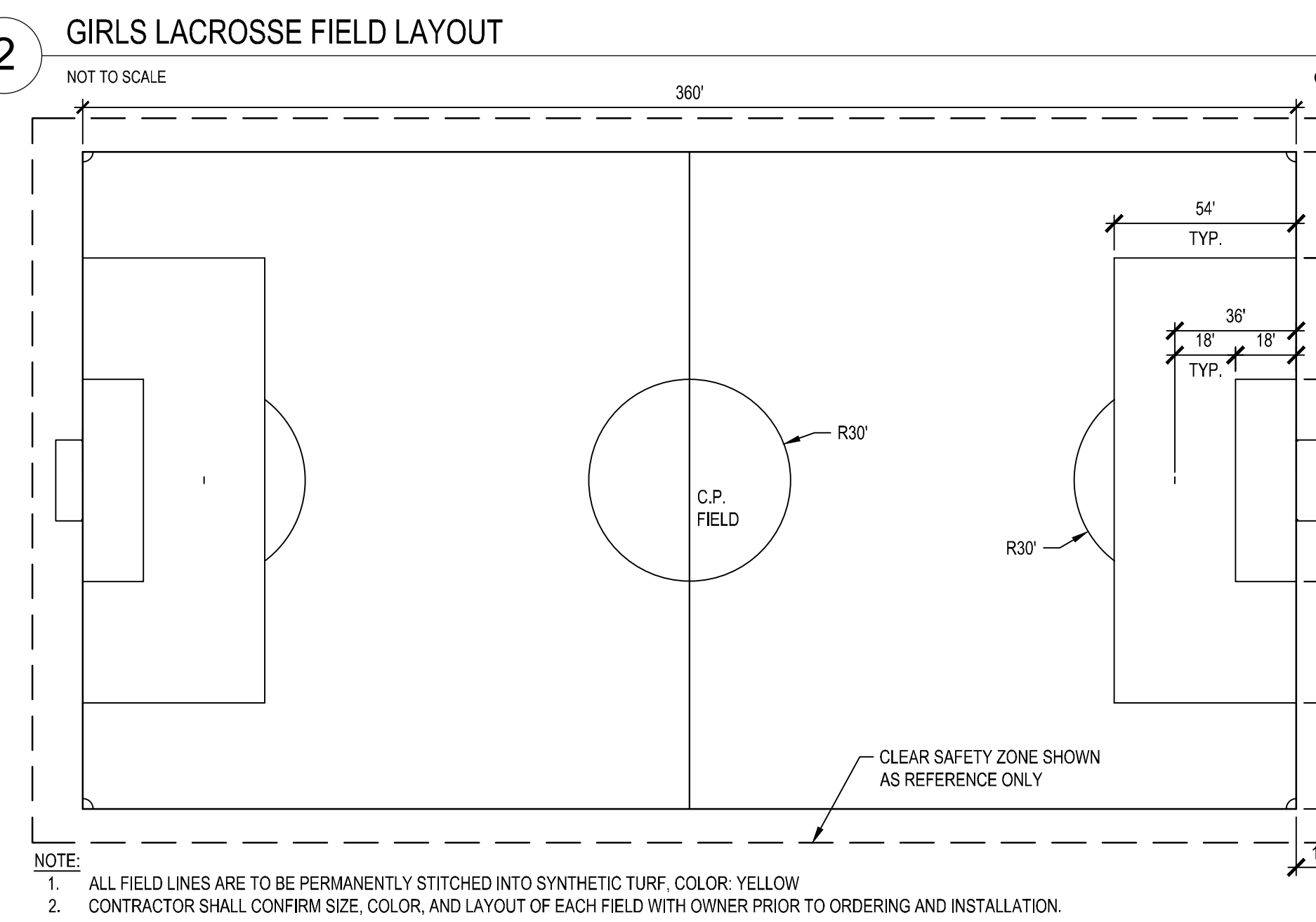
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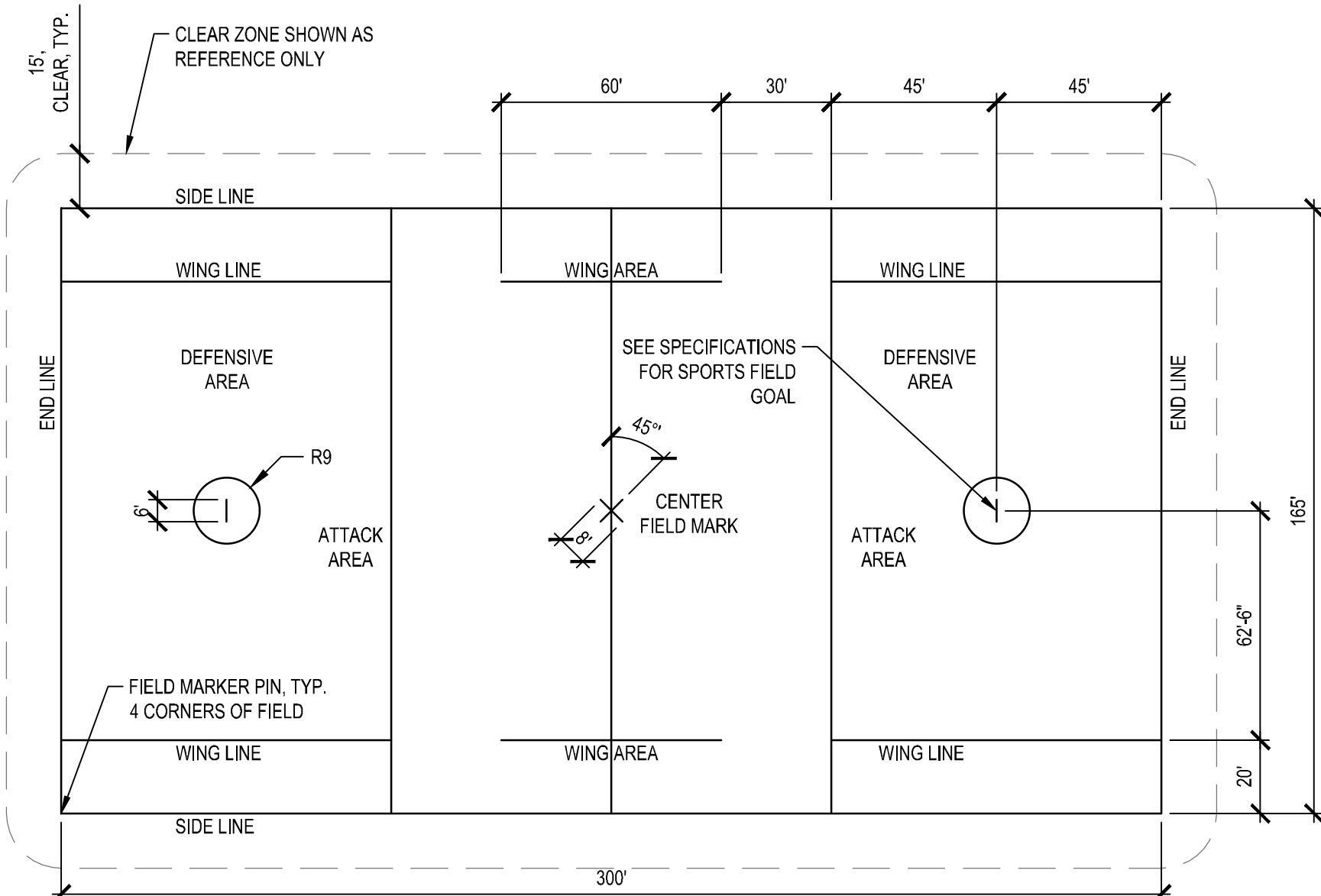
- NOTE:
1. END LINES AND SIDELINES ARE CONSIDERED OUT-OF-BOUNDS
 2. ALL FIELD BOUNDARY/LIMIT DIMENSIONS ARE TO THE INSIDE EDGE (FIELD SIDE) OF END LINES OR SIDELINES ACCORDINGLY.
 3. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF. COLOR: BLUE
 4. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.



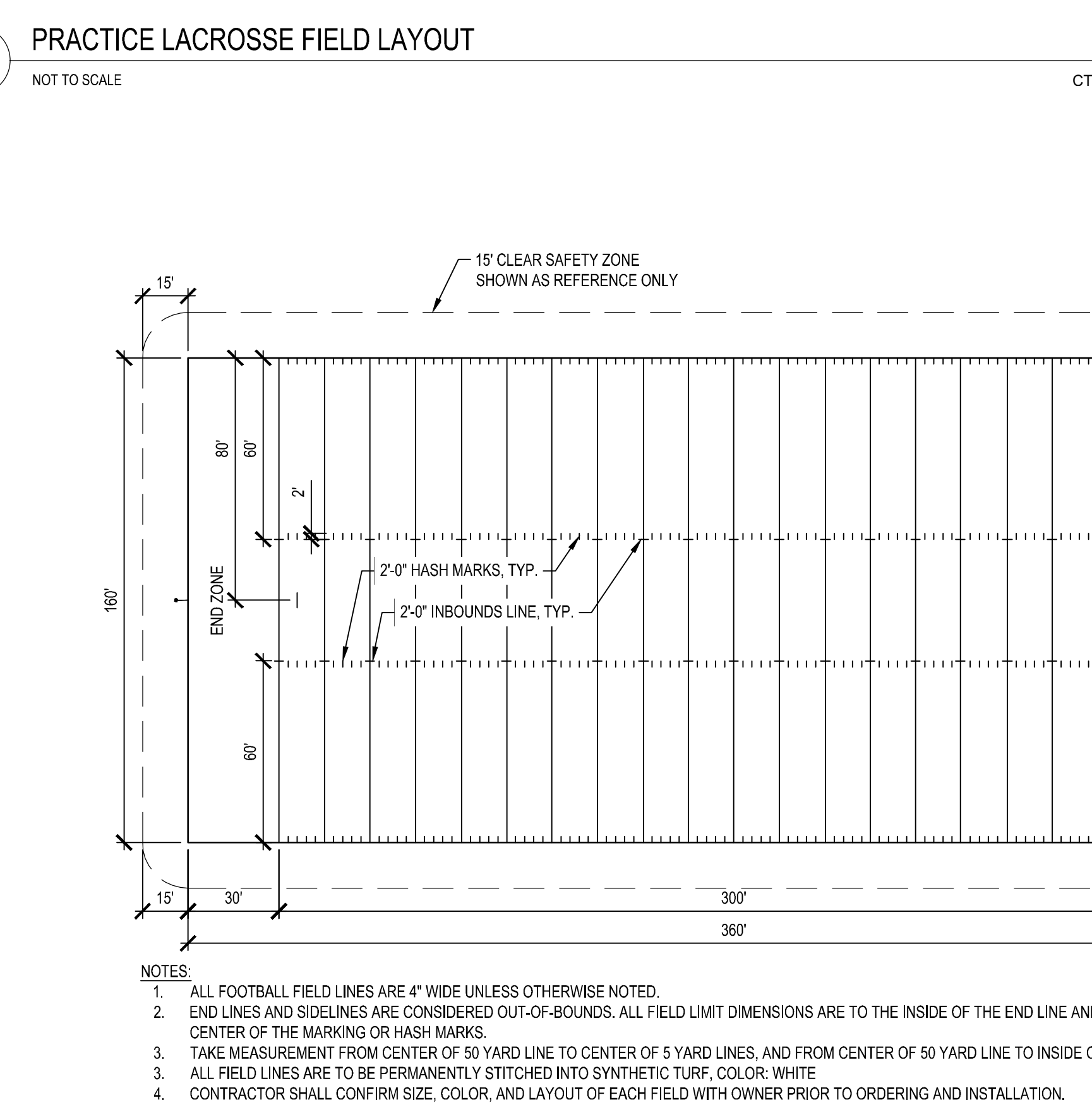
- NOTE:
1. END LINES AND SIDELINES ARE CONSIDERED OUT-OF-BOUNDS
 2. ALL FIELD BOUNDARY/LIMIT DIMENSIONS ARE TO THE INSIDE EDGE (FIELD SIDE) OF END LINES OR SIDELINES ACCORDINGLY.
 3. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF. COLOR: RED
 4. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.



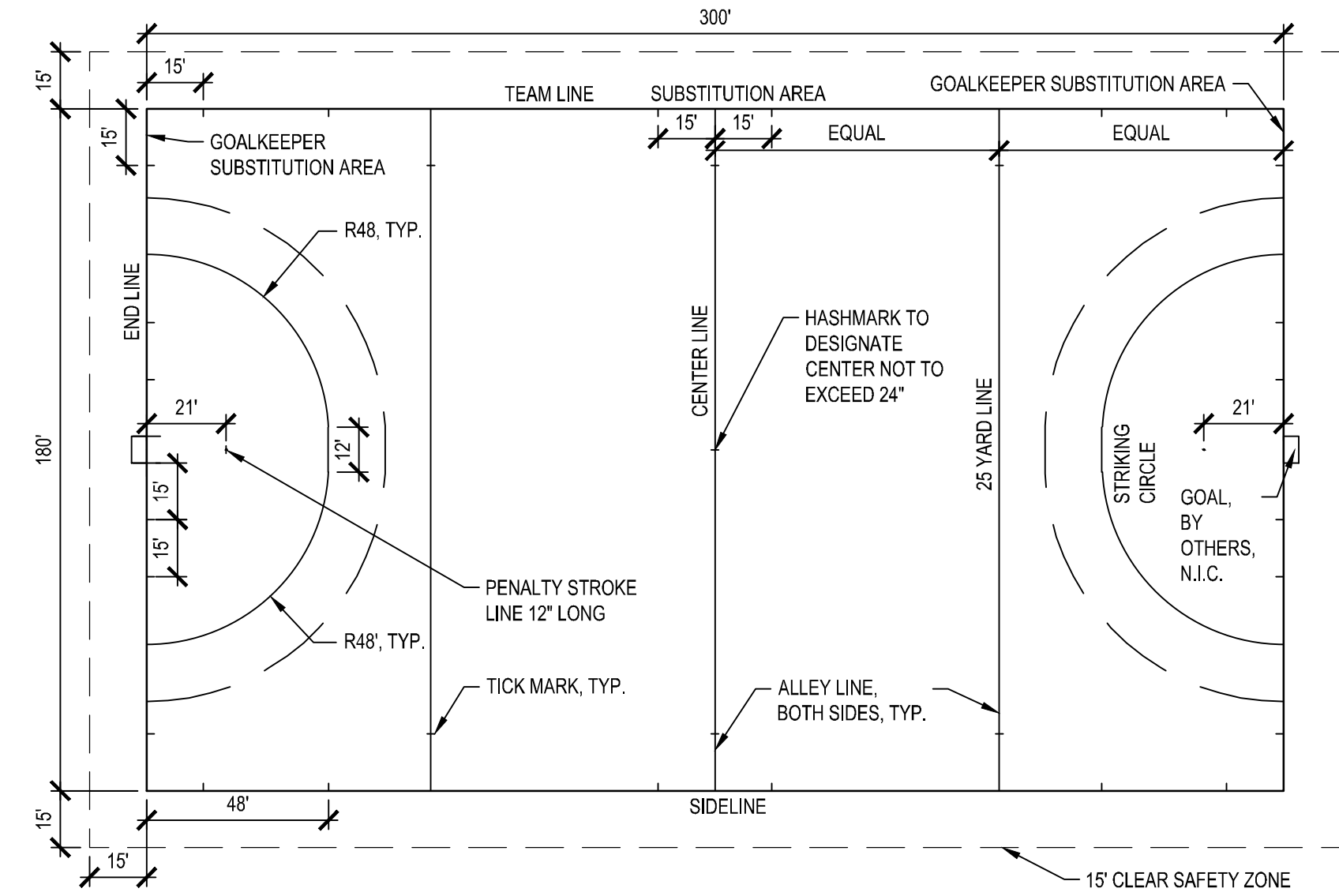
- NOTE:
1. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF. COLOR: YELLOW
 2. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.



- NOTE:
1. END LINES AND SIDELINES ARE CONSIDERED OUT-OF-BOUNDS
 2. ALL FIELD BOUNDARY/LIMIT DIMENSIONS ARE TO THE INSIDE EDGE (FIELD SIDE) OF END LINES OR SIDELINES ACCORDINGLY.
 3. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF. COLOR: GRAY
 4. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.



- NOTES:
1. ALL FOOTBALL FIELD LINES ARE 4" WIDE UNLESS OTHERWISE NOTED.
 2. END LINES AND SIDELINES ARE CONSIDERED OUT-OF-BOUNDS. ALL FIELD LIMIT DIMENSIONS ARE TO THE INSIDE OF THE END LINE AND SIDELINES. ALL OTHER DIMENSIONS ARE TO THE CENTER OF THE MARKING OR HASH MARKS.
 3. TAKE MEASUREMENT FROM CENTER OF 50 YARD LINE TO CENTER OF 5 YARD LINES, AND FROM CENTER OF 50 YARD LINE TO INSIDE OF GOAL GOAL LINES, SIDE LINES, AND END LINES.
 4. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF. COLOR: WHITE
 5. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.



- NOTE:
1. ALL TICK MARKS ARE 12" LONG.
 2. ALL FIELD BOUNDARY/LIMIT DIMENSIONS ARE TO THE INSIDE EDGE (FIELD SIDE) OF END LINES OR SIDELINES ACCORDINGLY.
 3. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF. COLOR: BLACK
 4. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.

- NOTES:
1. ALL FIELD DIMENSIONS SHALL CONFORM TO NFHS STANDARDS. PROVIDE SHOP DRAWINGS FOR FIELD STRIPING PRIOR TO ORDERING SYNTHETIC TURF.

Consultants:

Revisions:		
No.	Date	Description

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Seal:

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 W&S File No.:

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Sheet Number:
L913

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No.	Date	Description

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CERTIFICATION NOT REQUIRED FOR DETAILS (PREPARED BY OTHERS)

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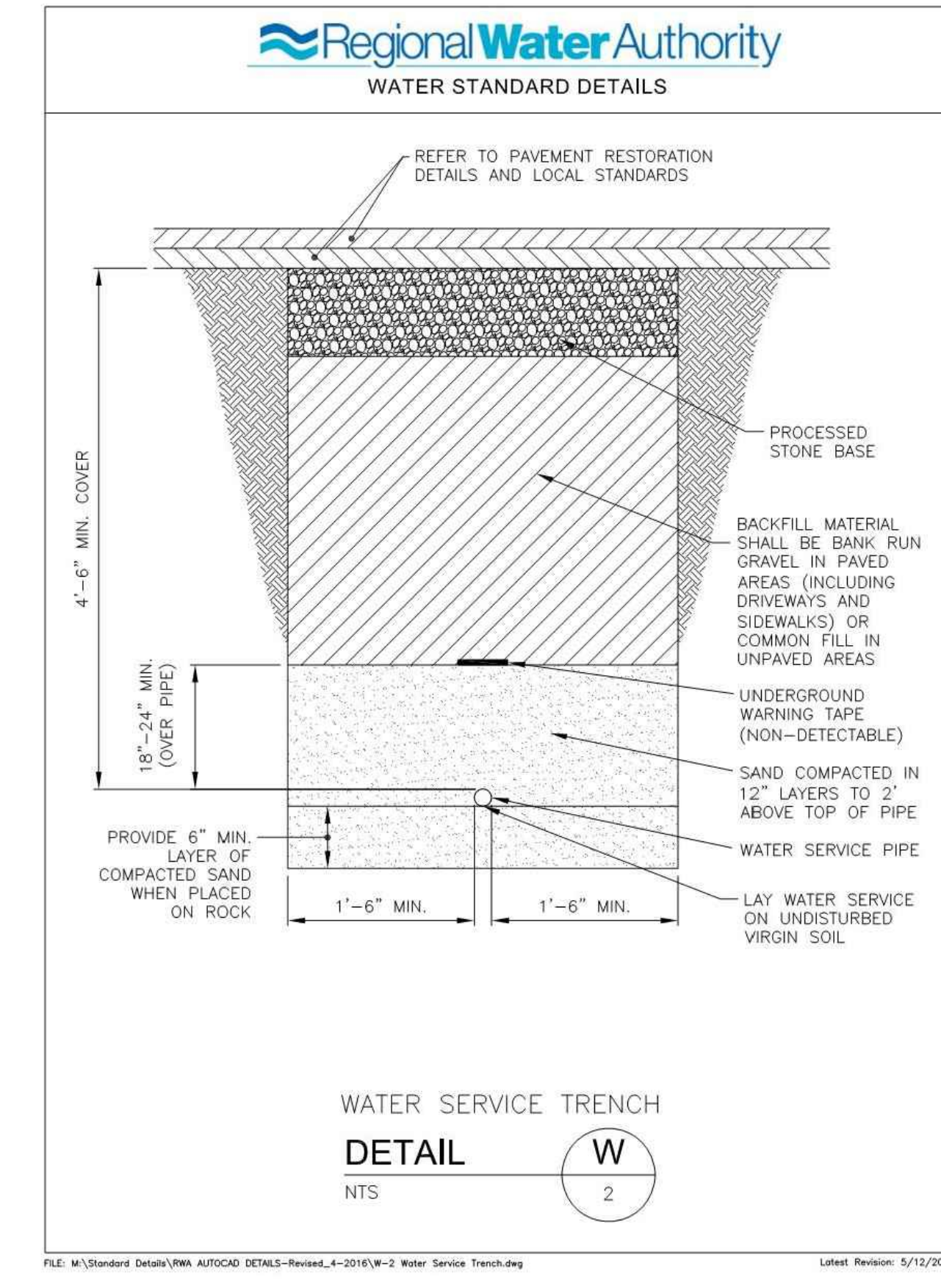
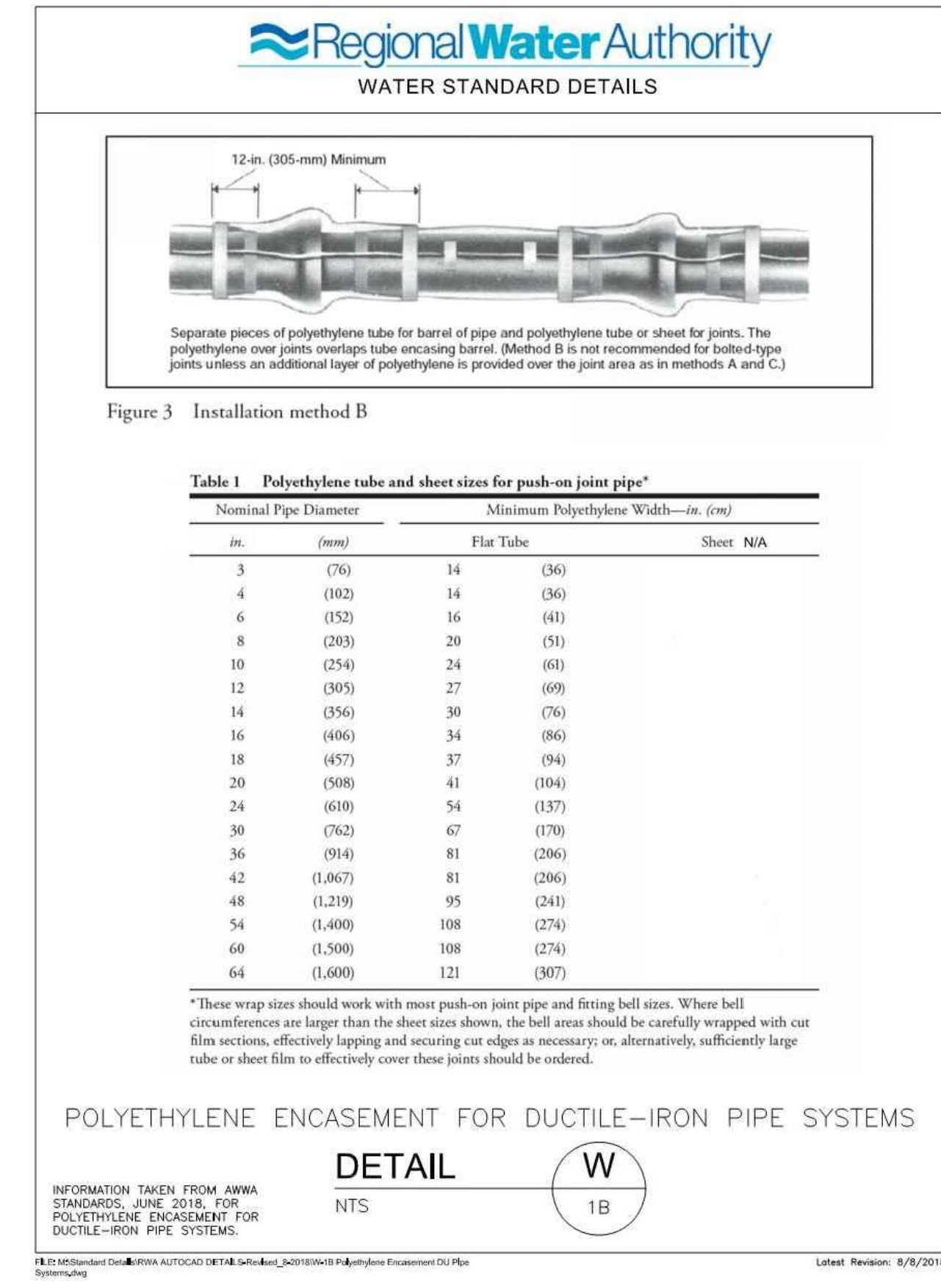
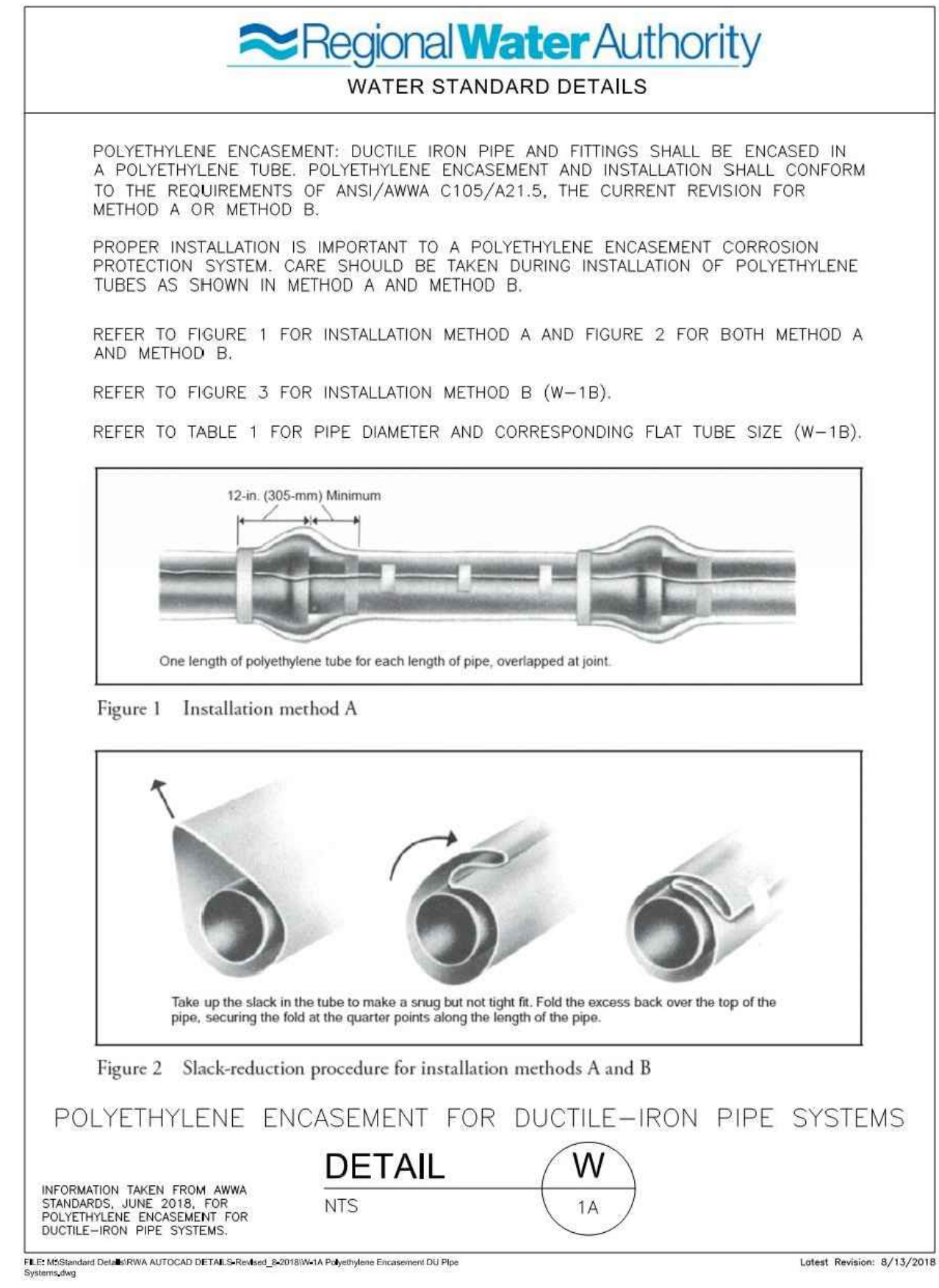
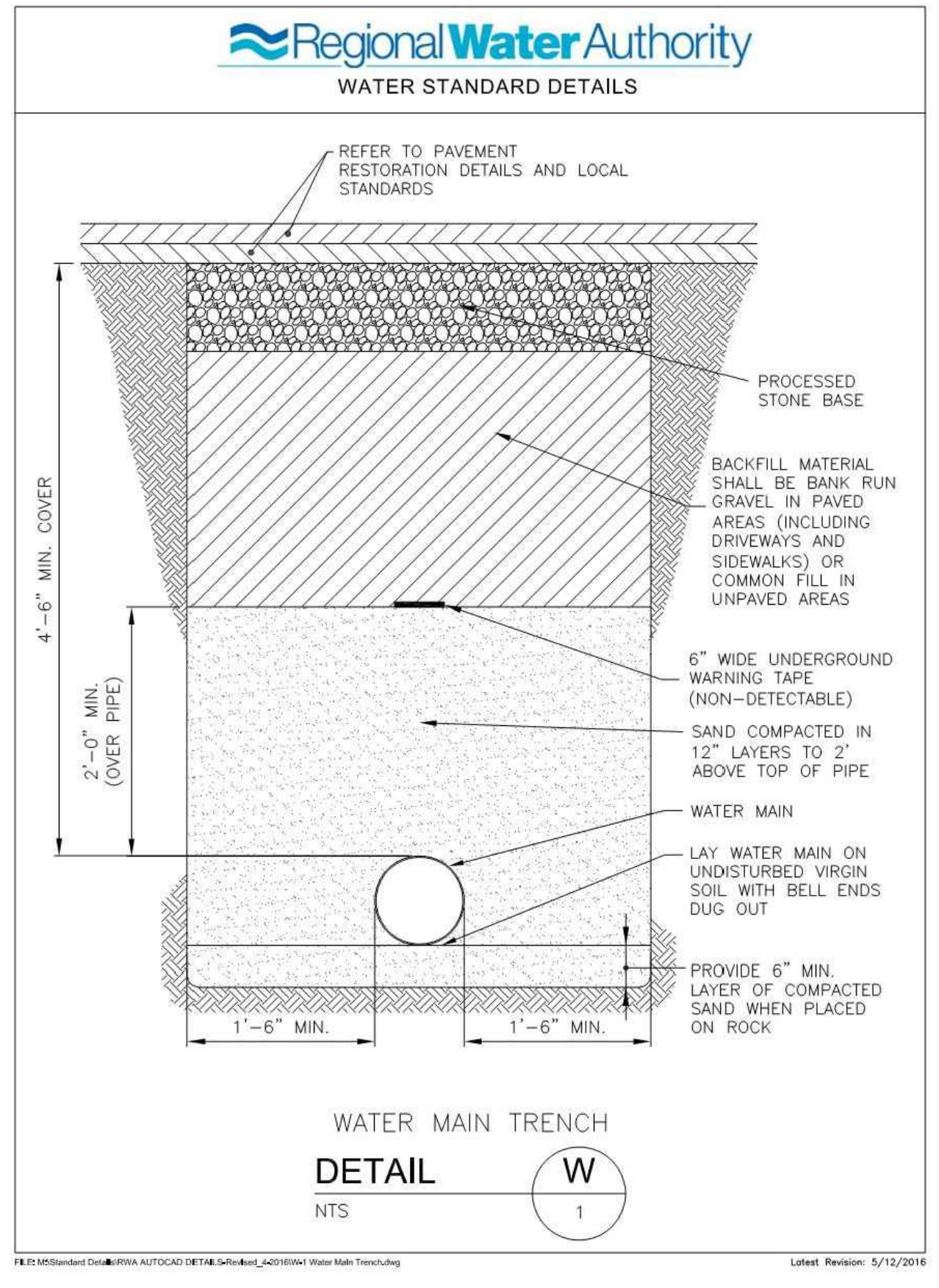
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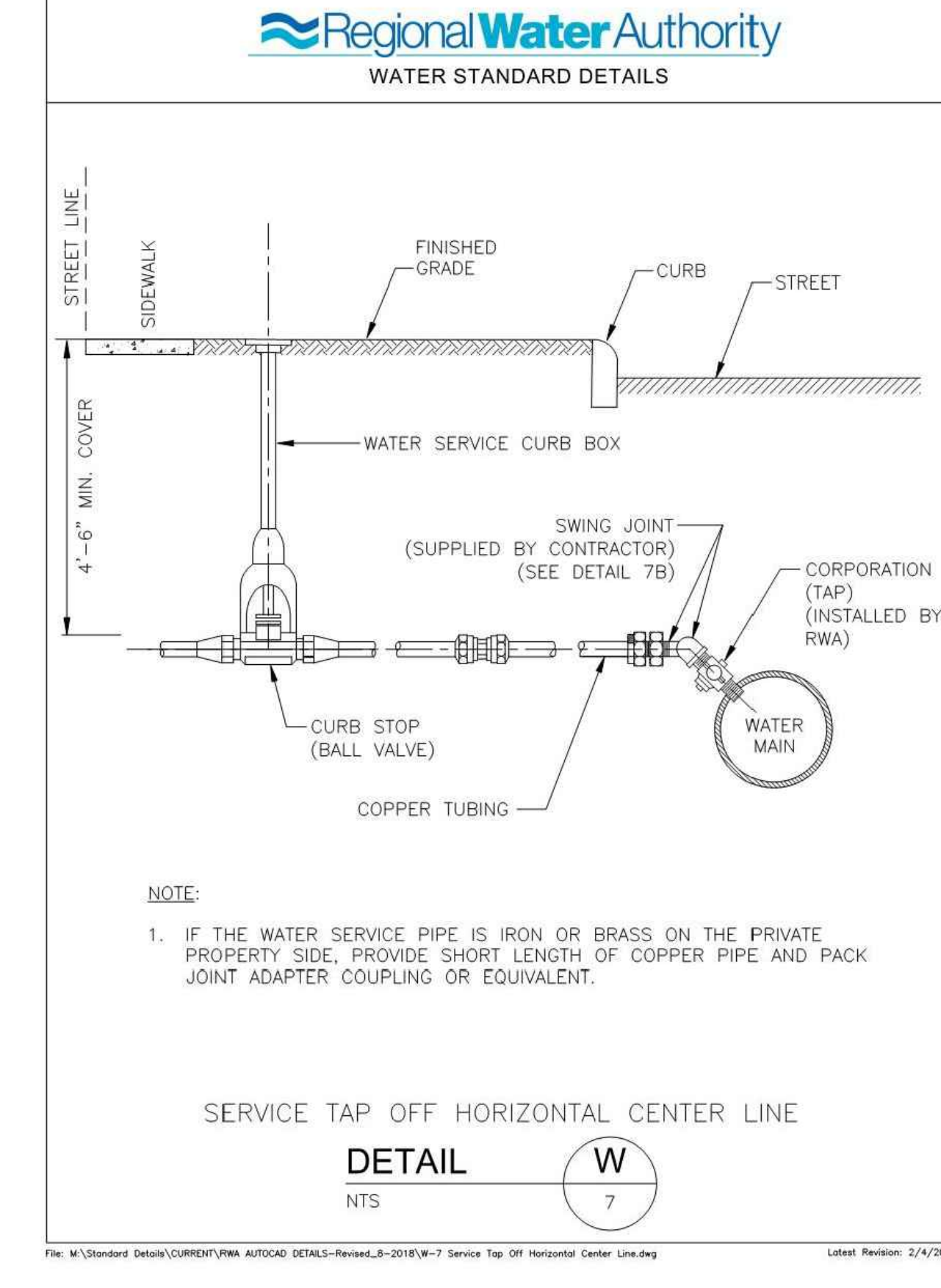
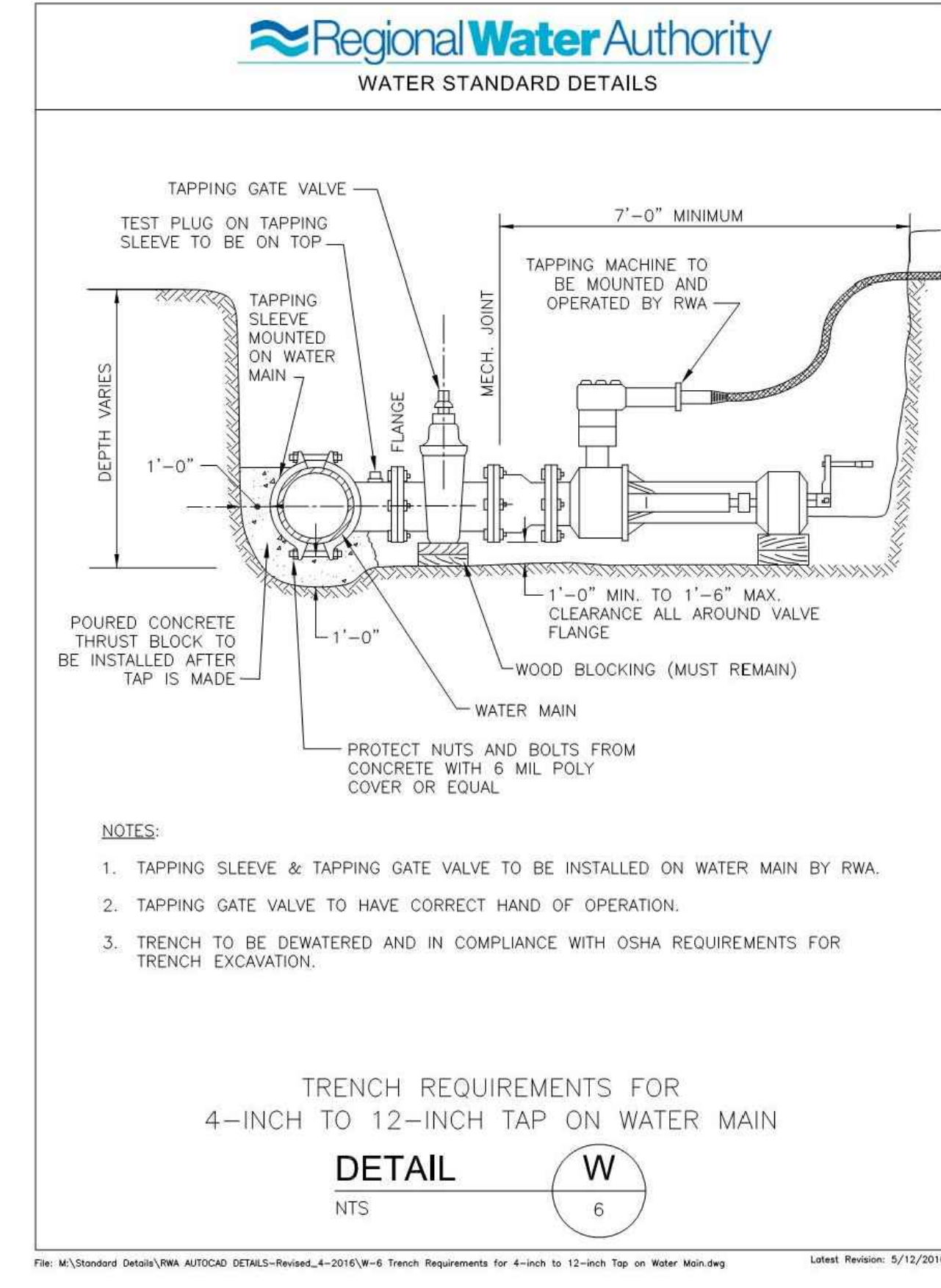
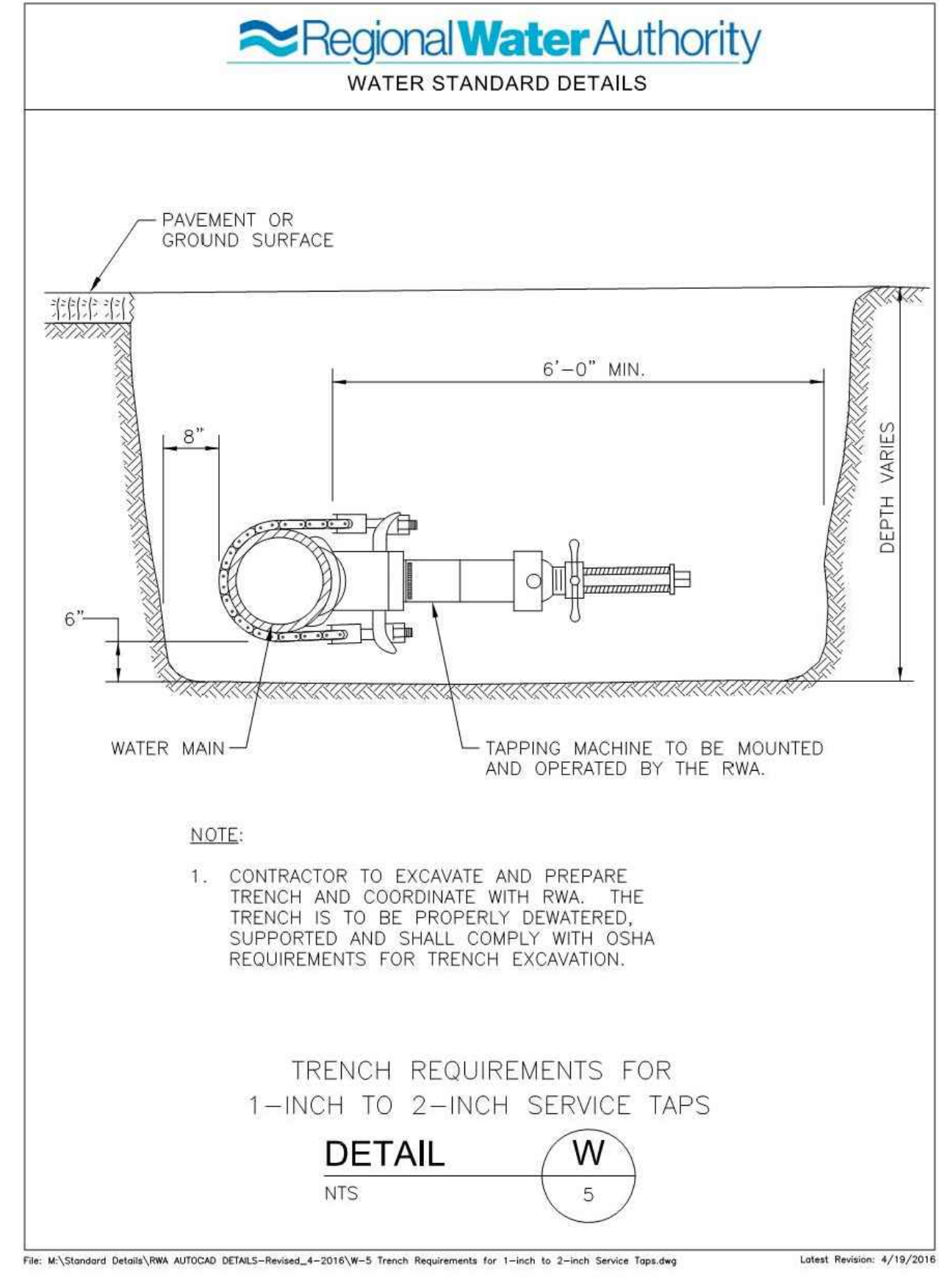
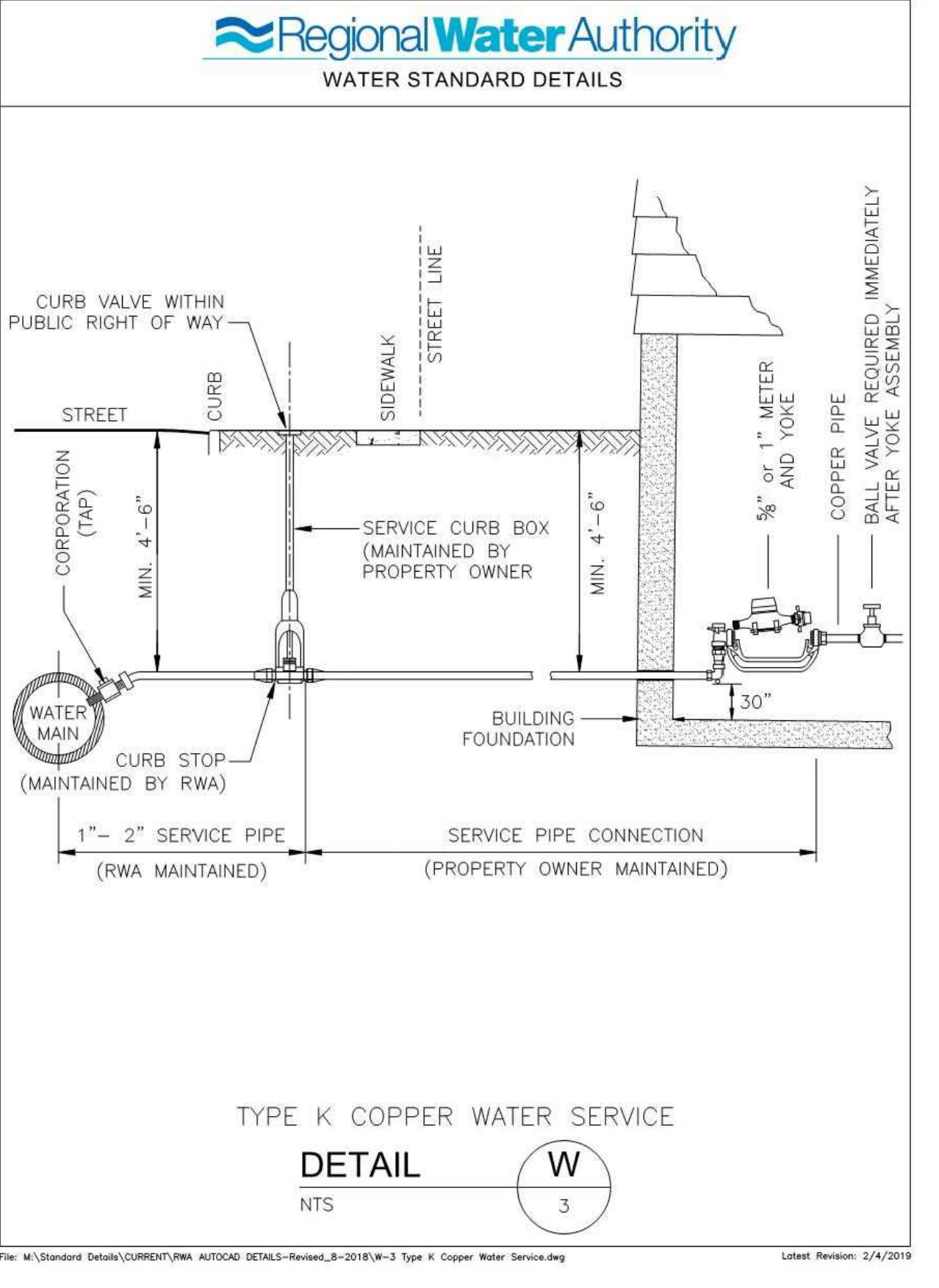
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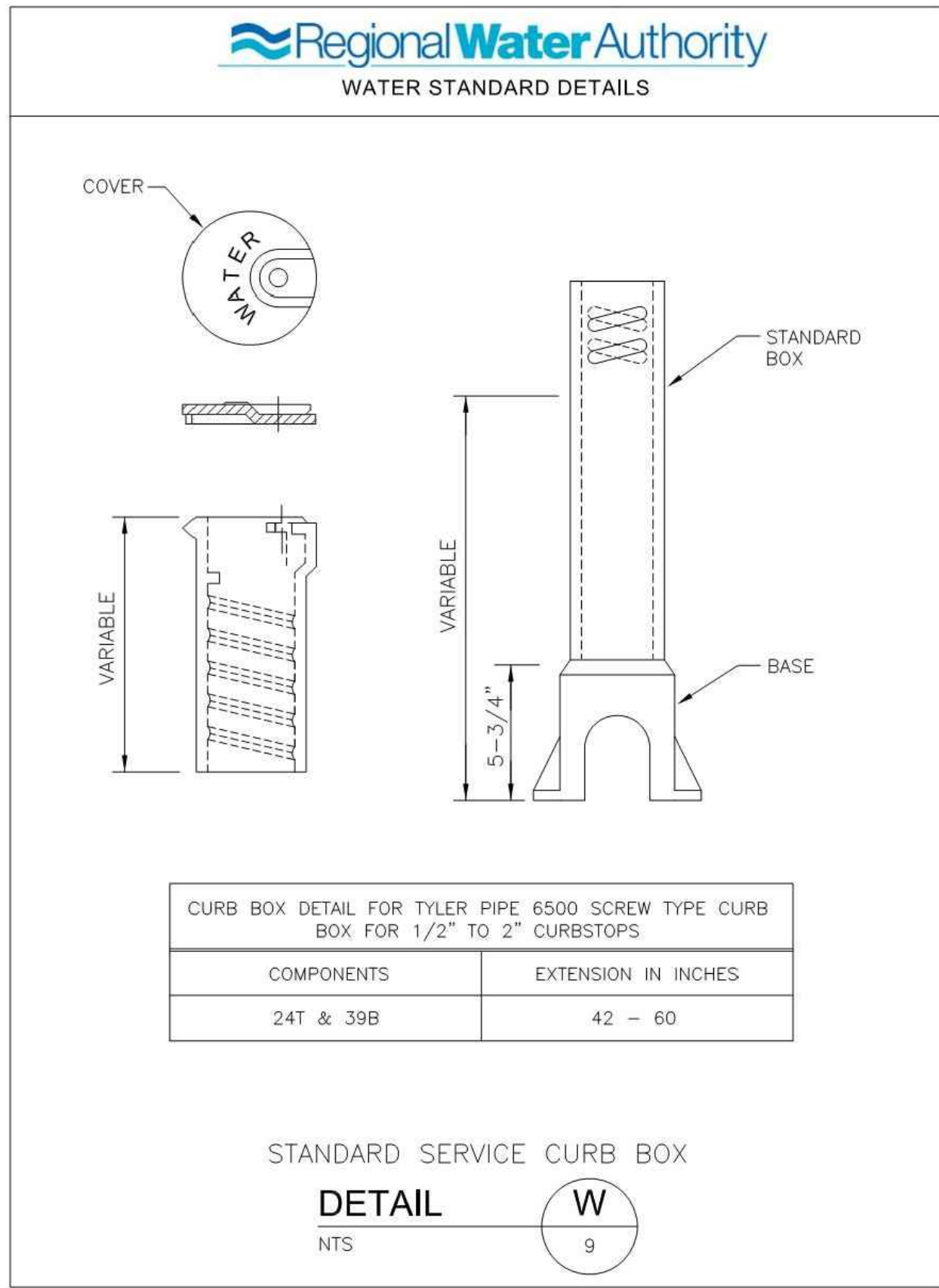
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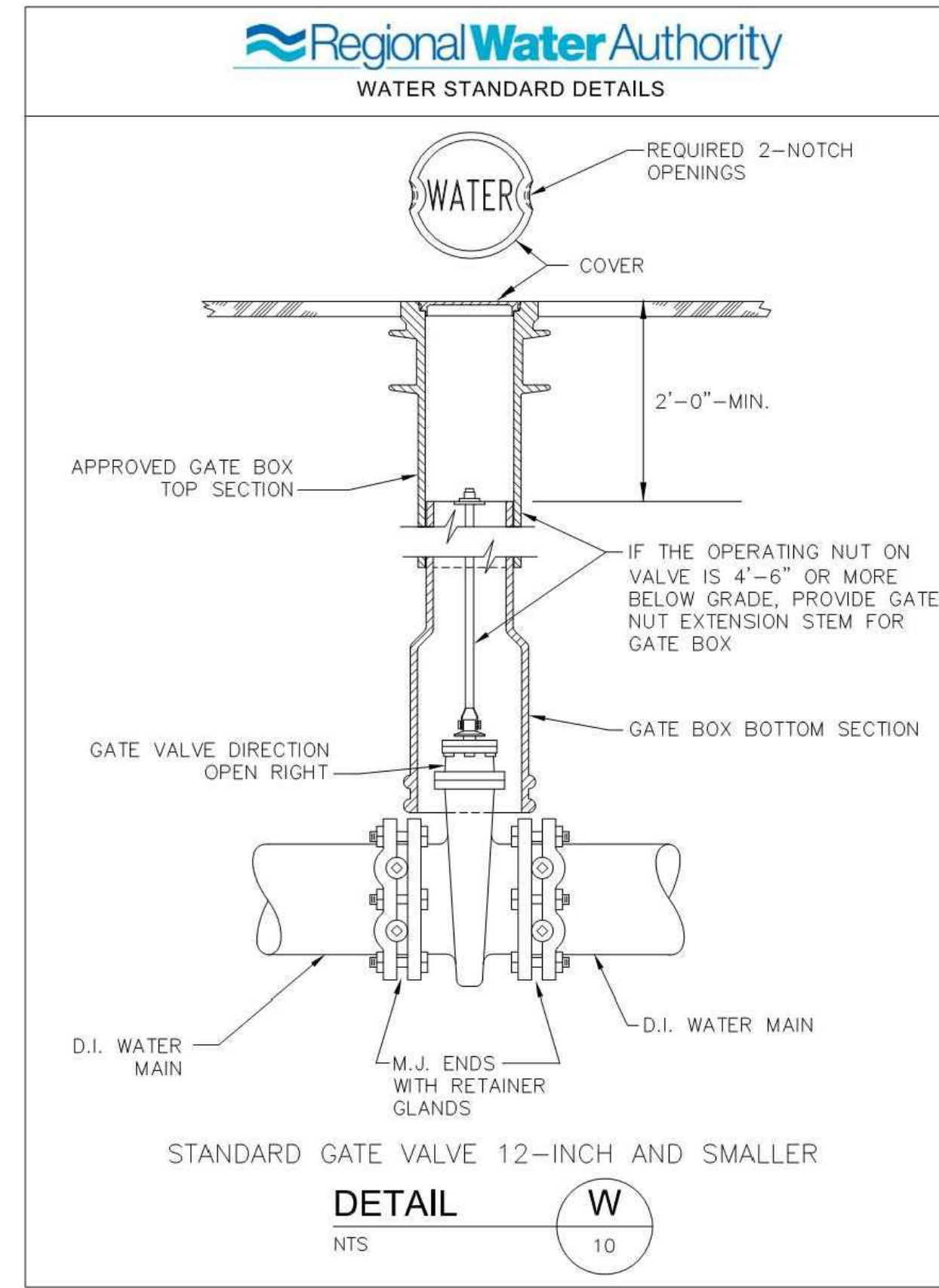


- FOR EACH OF THE FOLLOWING MATERIALS LISTED ON REGIONAL WATER AUTHORITY STANDARD DETAILS, REFER TO THE FOLLOWING EARTHWORK SPECIFICATION SECTIONS:
- PROCESSED STONE BASE: SECTION 31 00 00 2.01(D) - PROCESSED AGGREGATE BASE
 - BACKFILL (PAVED AREAS): SECTION 31 00 00 2.01(E) - GRAVEL BORROW
 - BACKFILL (UNPAVED AREAS): SECTION 31 00 00 2.01(B)(1) - CLASS B BACKFILL
 - CRUSHED STONE: SECTION 31 00 00 2.01(A) - CRUSHED STONE
 - SAND: CTDOT MATERIALS SECTION M.01.01-FINE SAND

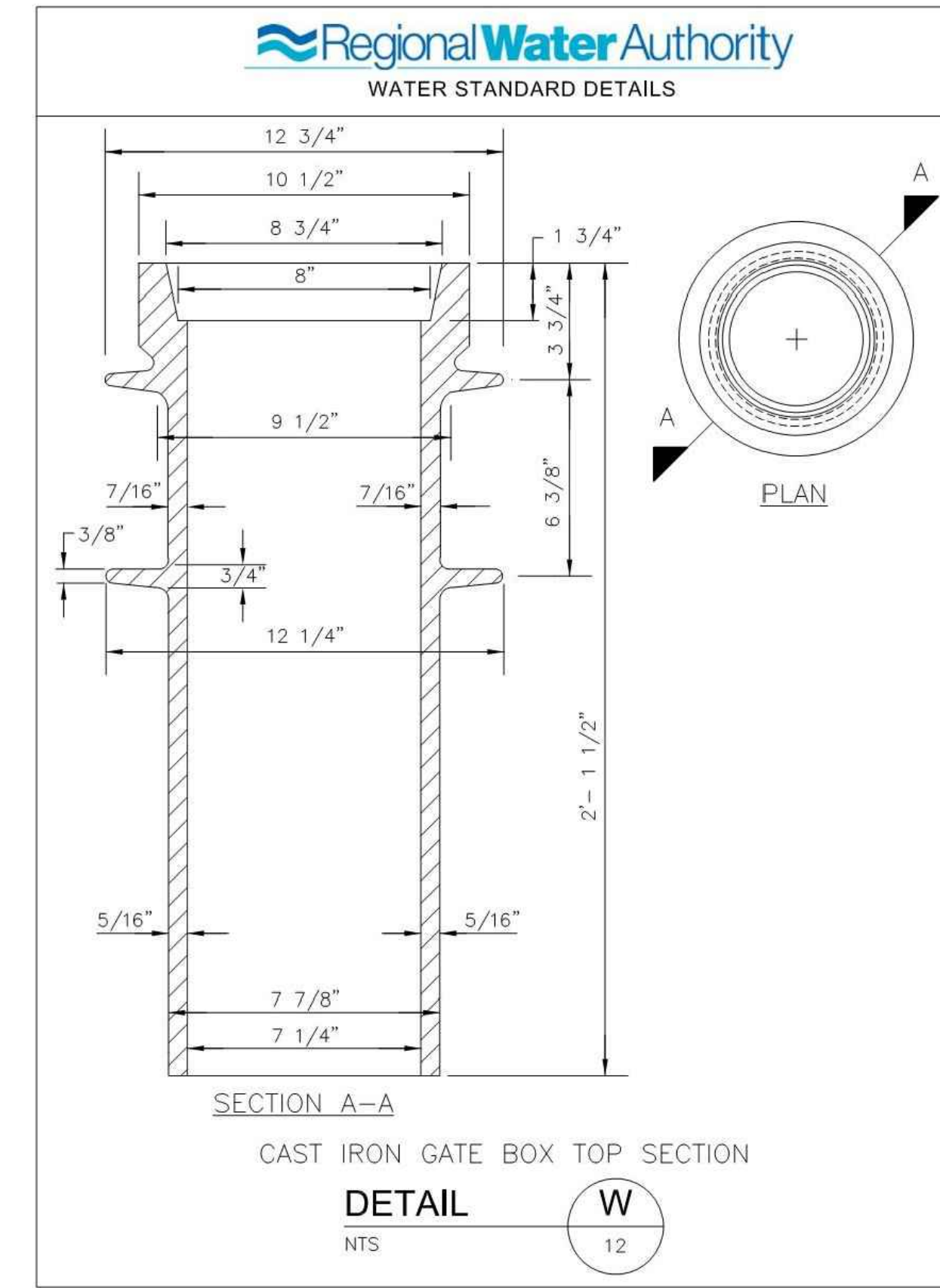




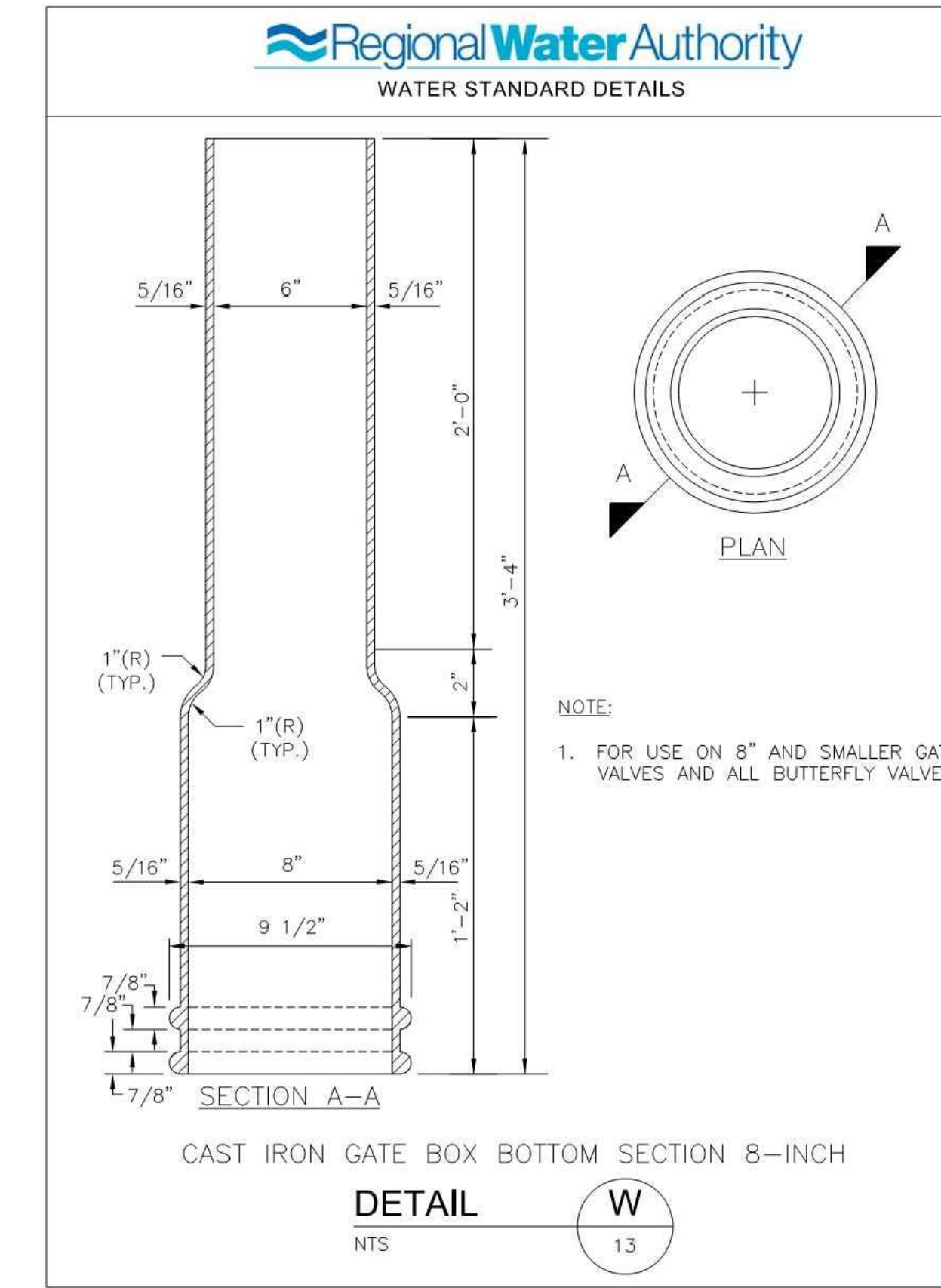
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Latest Revision: 5/12/2016



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Latest Revision: 5/12/2016



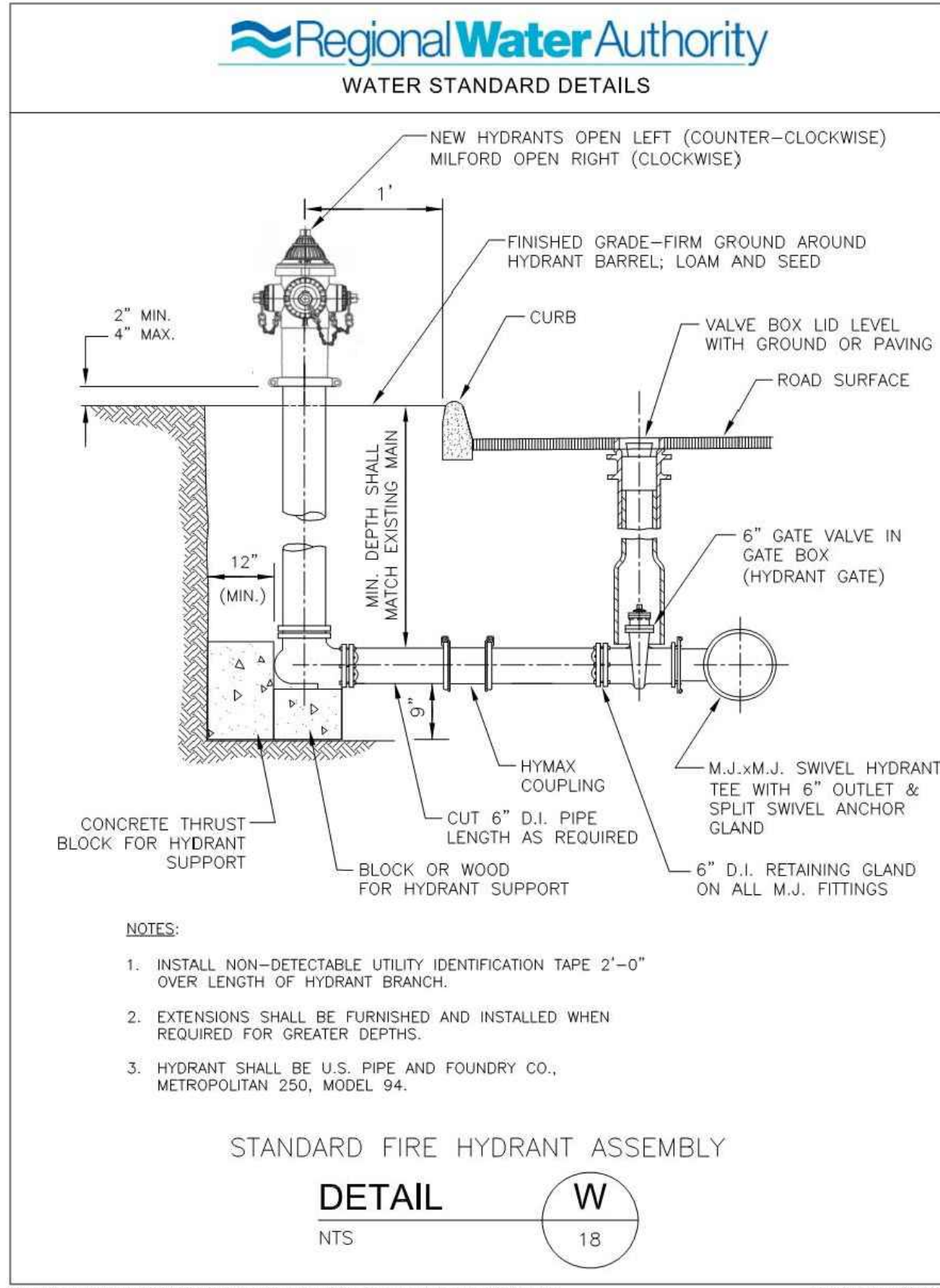
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Latest Revision: 5/12/2016



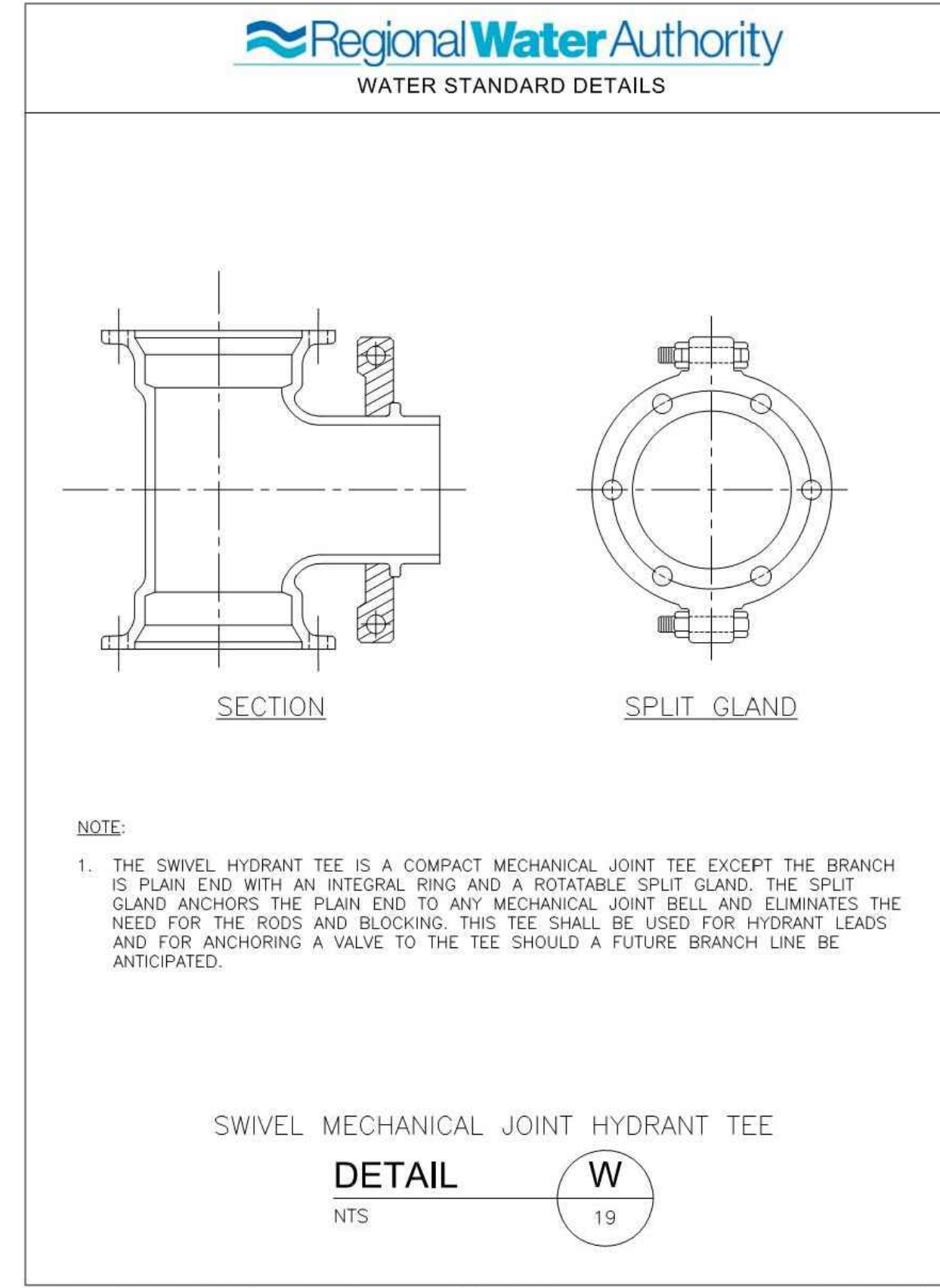
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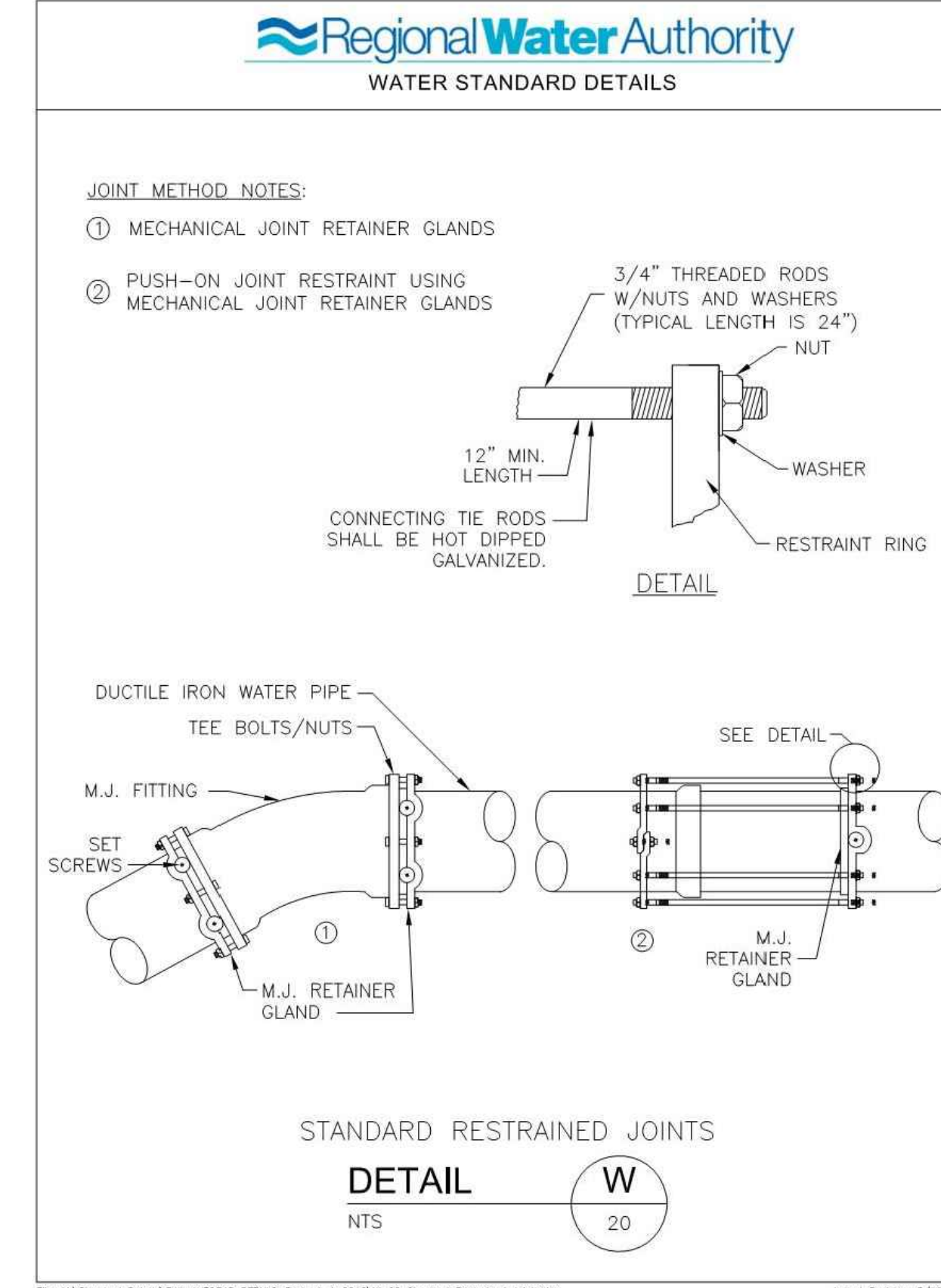
- PROCESSED STONE BASE: SECTION 31 00 00 2.01(D) - PROCESSED AGGREGATE BASE
- BACKFILL (PAVED AREAS): SECTION 31 00 00 2.01(E) - GRAVEL BORROW
- BACKFILL (UNPAVED AREAS): SECTION 31 00 00 2.01(B)(1) - CLASS B BACKFILL
- CRUSHED STONE: SECTION 31 00 00 2.01(A) - CRUSHED STONE
- SAND: CTDOT MATERIALS SECTION M.01.01-FINE SAND



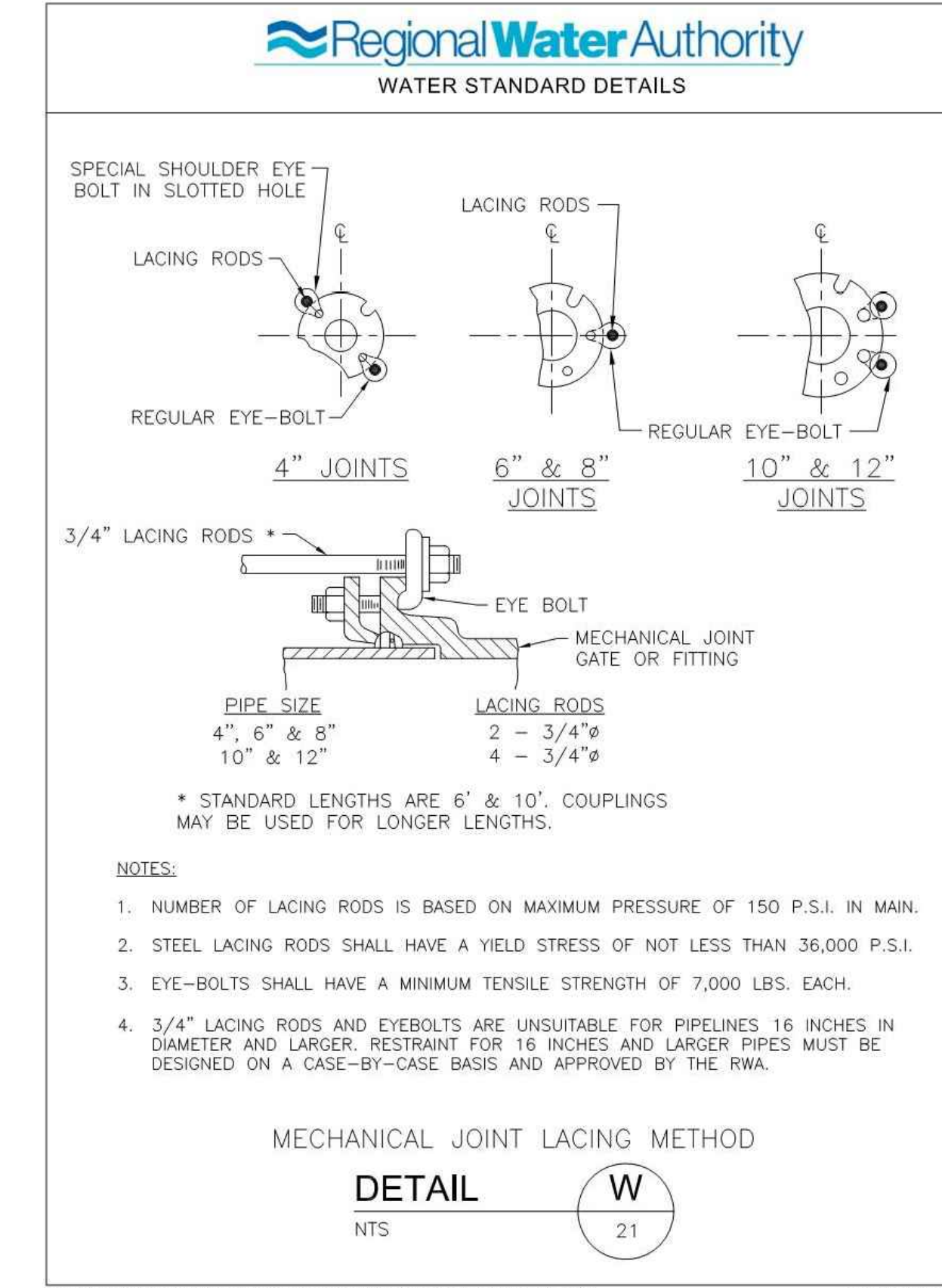
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Latest Revision: 4/26/2016



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Latest Revision: 5/16/2016



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Latest Revision: 5/16/2016



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Latest Revision: 5/16/2016

Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

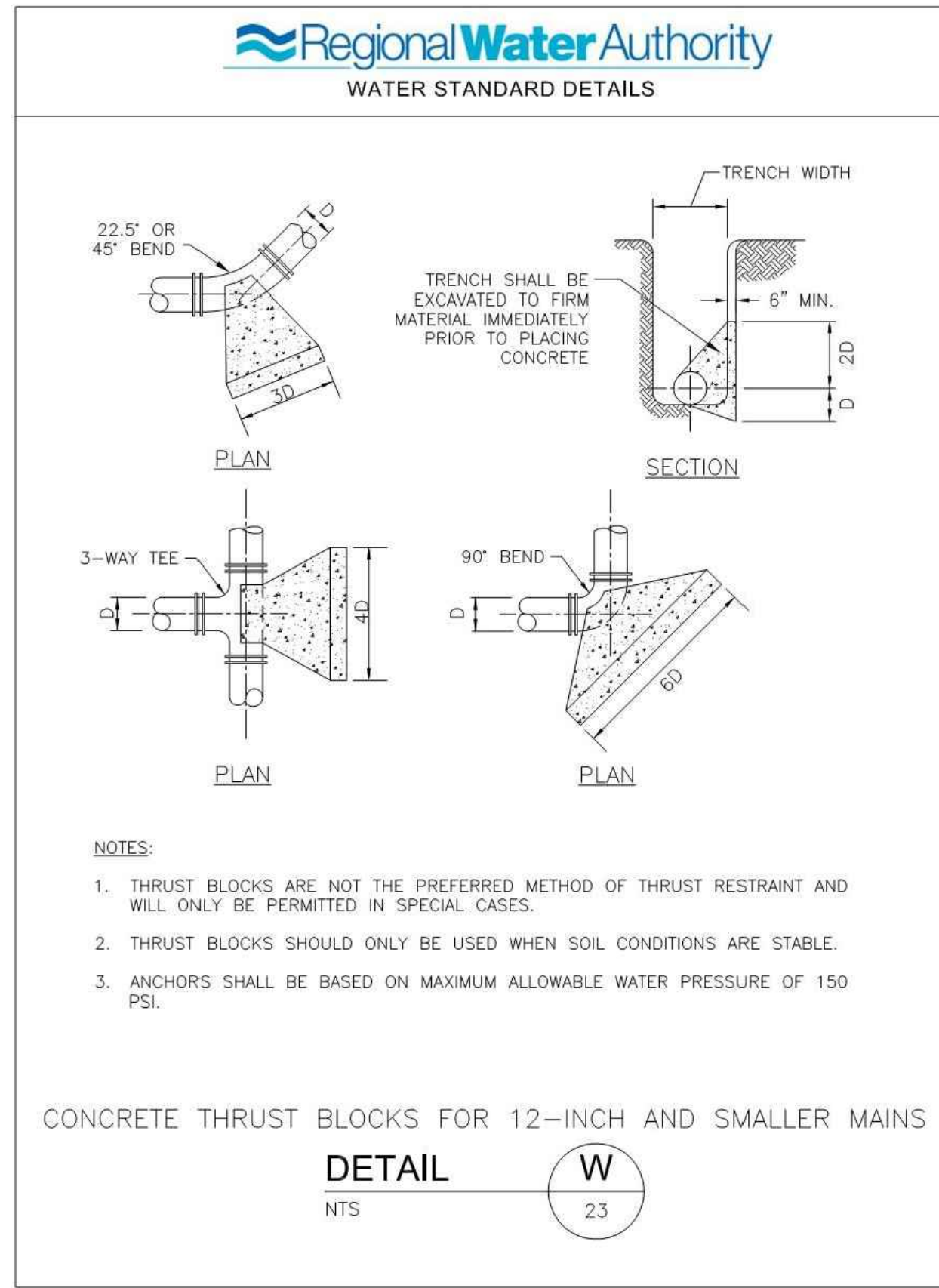
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Seal:
CERTIFICATION NOT REQUIRED FOR DETAILS (PREPARED BY OTHERS)

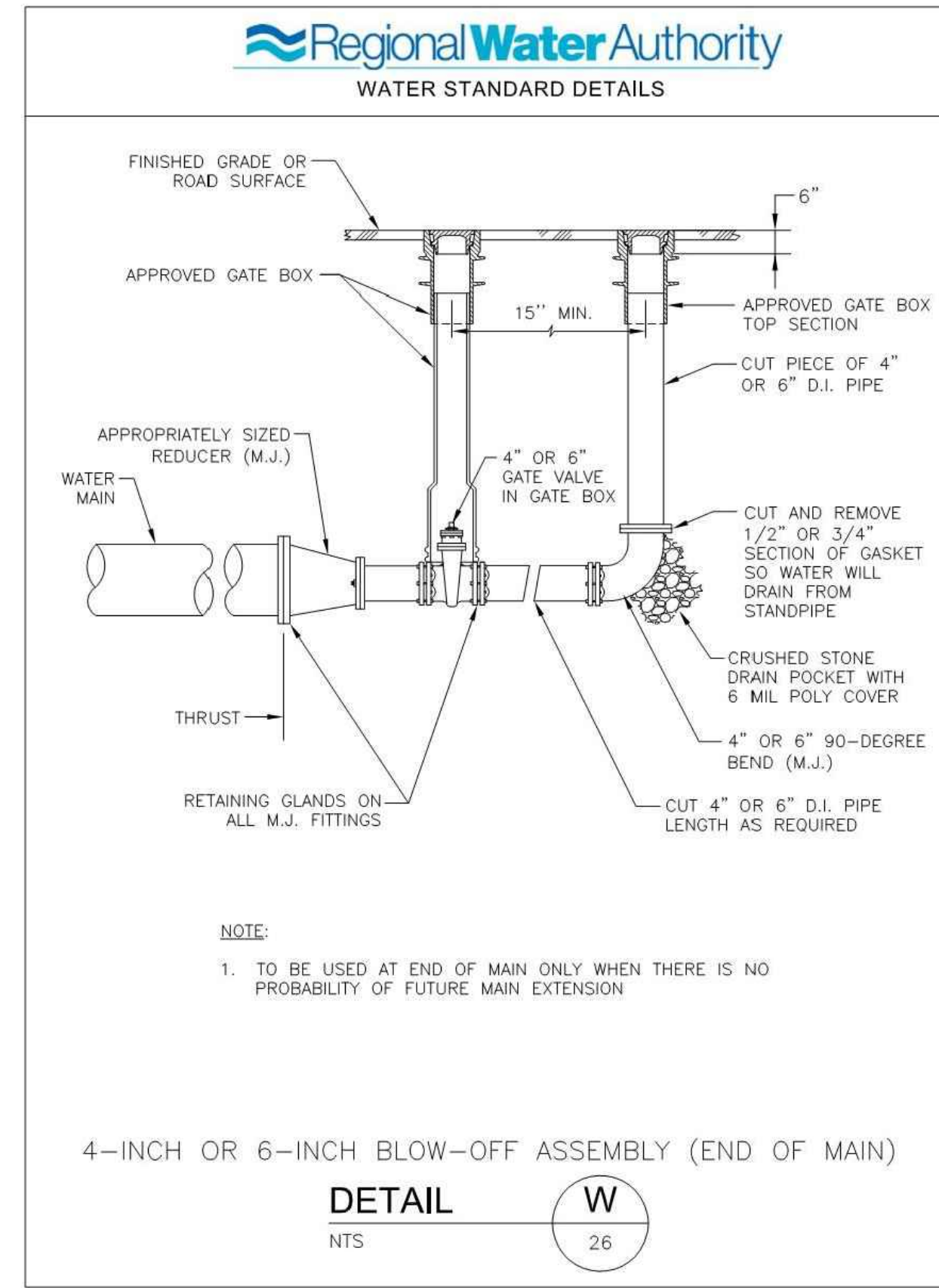
Issued For:
BID DOCUMENTS
Scale: N.T.S.

Date: 1/11/2023
Drawn By: --
Reviewed By: --
Approved By: --
W&S Project No.: ENG22 - 0258
W&S File No.:

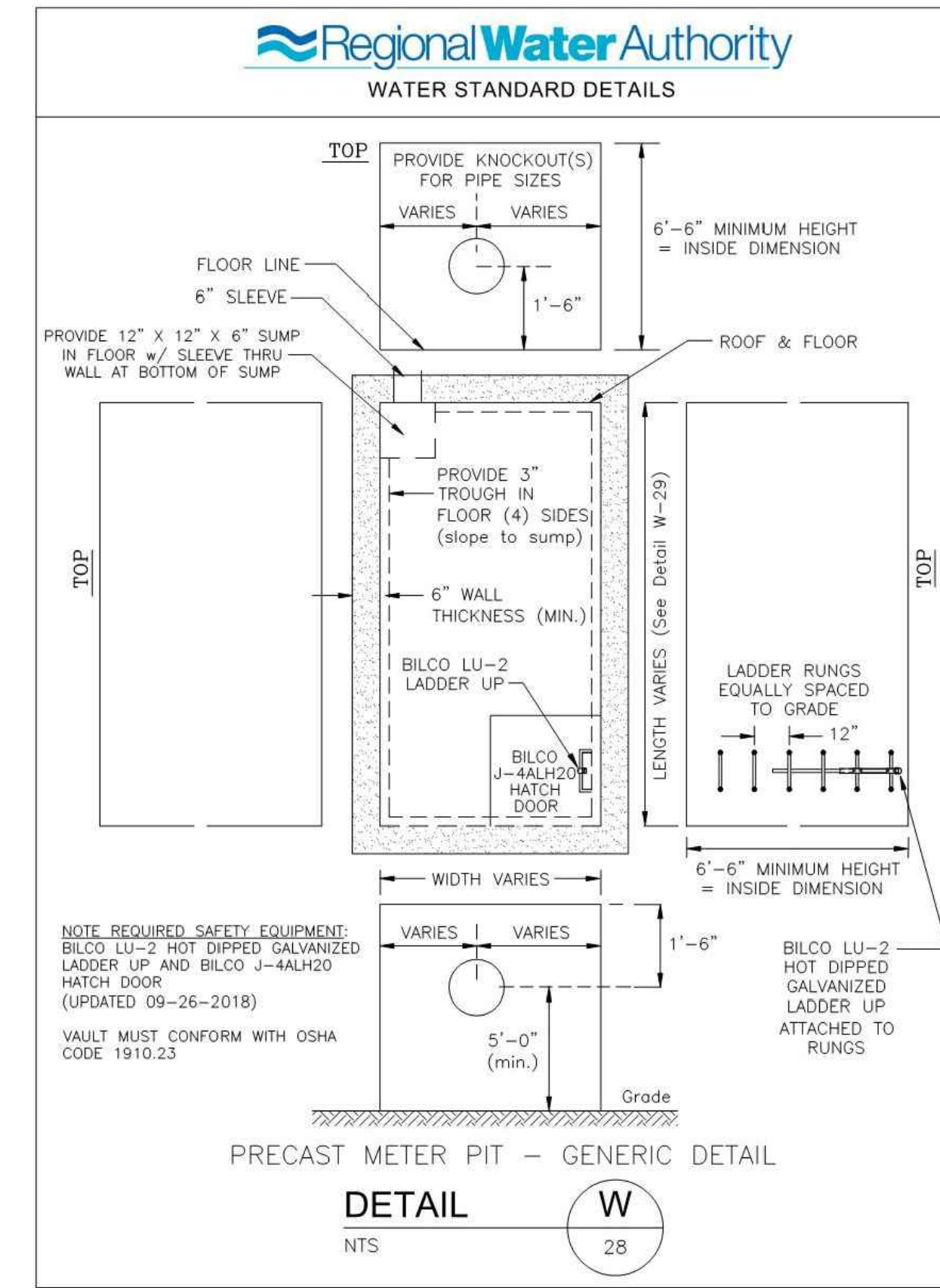
Drawing Title:
SITE CONSTRUCTION DETAILS



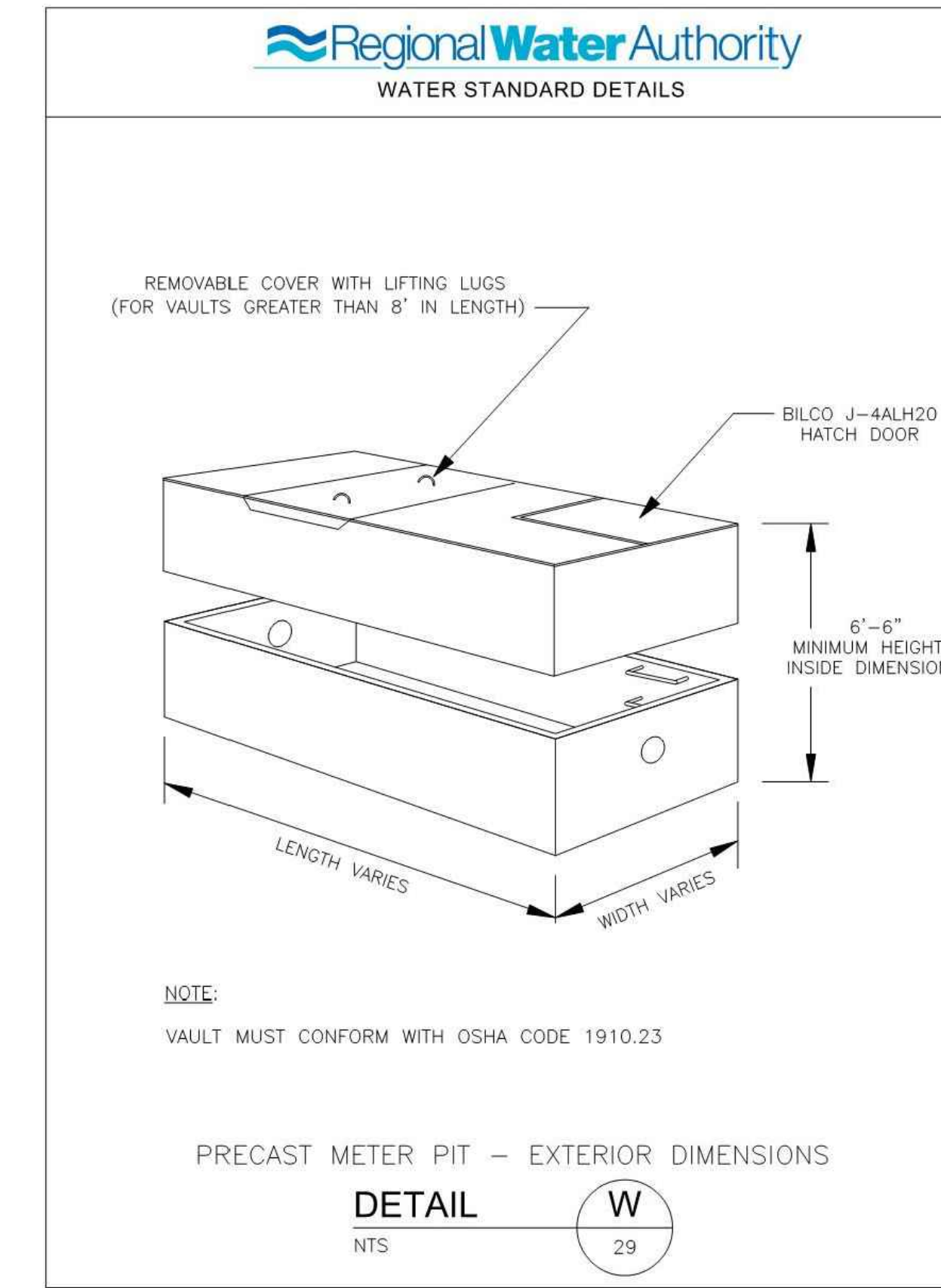
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File: M:\Standard Details\RNA AUTOCAD DETAILS-Revised_4-2018\W-26 4-inch Blow-off Assembly (End of Main).dwg Latest Revision: 5/16/2018

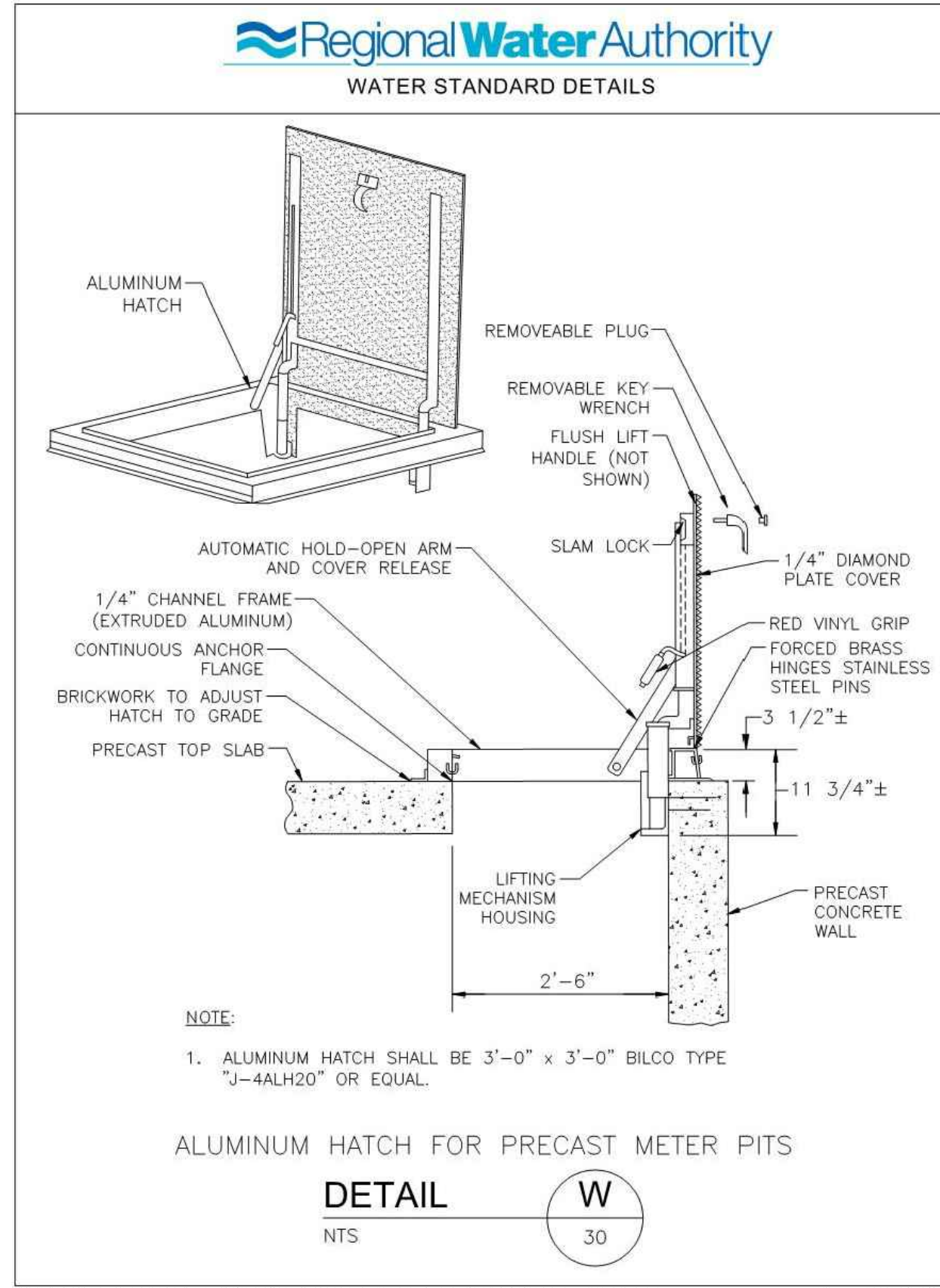


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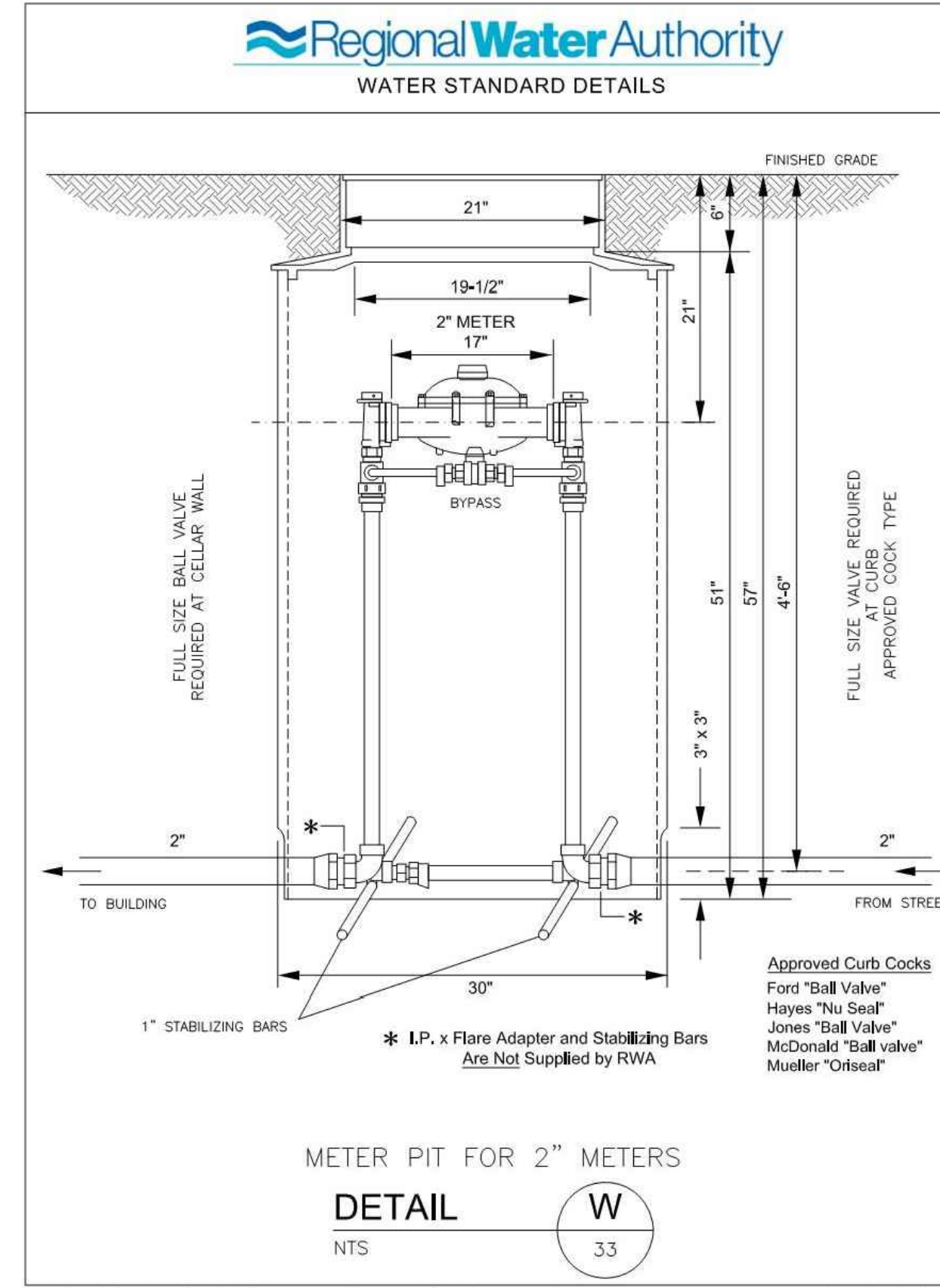


File: M:\Standard Details\CURRENT\RNA AUTOCAD DETAILS-Revised_8-2018\W-29 Precast Meter Pit - Exterior Dim.dwg Latest Revision: 1/24/2019

- FOR EACH OF THE FOLLOWING MATERIALS LISTED ON REGIONAL WATER AUTHORITY STANDARD DETAILS, REFER TO THE FOLLOWING EARTHWORK SPECIFICATION SECTIONS:
- PROCESSED STONE BASE: SECTION 31 00 00 2.01[D] - PROCESSED AGGREGATE BASE
 - BACKFILL (PAVED AREAS): SECTION 31 00 00 2.01[E] - GRAVEL BORROW
 - BACKFILL (UNPAVED AREAS): SECTION 31 00 00 2.01[B](1) - CLASS B BACKFILL
 - CRUSHED STONE: SECTION 31 00 00 2.01[A] - CRUSHED STONE
 - SAND: CTDOT MATERIALS SECTION M.01.01-FINE SAND



File: M:\Standard Details\CURRENT\RNA AUTOCAD DETAILS-Revised_8-2018\W-30 Aluminum Hatch for Precast Meter Pits.dwg Latest Revision: 9/27/2018



File: M:\Standard Details\RNA AUTOCAD DETAILS-Revised_4-2018\W-33 Meter Pit for 2-inch Meters.dwg Latest Revision: 5/16/2018

Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:

Seal:

CERTIFICATION NOT REQUIRED FOR DETAILS (PREPARED BY OTHERS)

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Date: 1/11/2023
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Reviewed By: --
Approved By: --

W&S Project No.: ENG22 - 0258
W&S File No.:

Drawing Title:

SITE CONSTRUCTION DETAILS

Sheet Number:

L916

#	ROOM NAME	FLOOR			WALLS		CEILING			REMARKS
		MAT	FINISH	BASE	MAT	FINISH	MAT	FINISH	HEIGHT	
101	WOMENS	CONC	RESINOUS	RESINOUS	CMU	PNT	GYP BD	PNT	10'-0" +/-	
102	MENS	CONC	RESINOUS	RESINOUS	CMU	PNT	GYP BD	PNT	10'-0" +/-	
103	UTILITY CHASE	CONC	RESINOUS	RESINOUS	CMU	PNT	GYP BD	PNT	10'-0" +/-	
104	FAMILY	CONC	RESINOUS	RESINOUS	CMU	PNT	GYP BD	PNT	10'-0" +/-	

MARK	DOOR NUMBER	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	FRAME			REMARKS
							TYPE	MATERIAL	FINISH	
	101	3'-0"	7'-0"	FG-1	FIBERGLASS	-	FGF-1	FIBERGLASS	-	
	102	3'-0"	7'-0"	FG-1	FIBERGLASS	-	FGF-1	FIBERGLASS	-	
	103	3'-0"	7'-0"	FG-1	FIBERGLASS	-	FGF-1	FIBERGLASS	-	
	104	3'-0"	7'-0"	FG-1	FIBERGLASS	-	FGF-1	FIBERGLASS	-	
	105	6'-0"	7'-4"	COHD-1	FIBERGLASS	-	-	ALUM	-	

FLOOR PLAN GENERAL NOTES:

- ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF GYPSUM WALL BOARD TO FACE OF GYPSUM WALL BOARD OR FACE OF CMU UNLESS SPECIFICALLY NOTED OTHERWISE.

REFLECTED CEILING PLAN LEGEND

CEILING TYPES:

- TYPE G1:** GYPSUM BOARD CEILING
- TYPE G2:** GYPSUM BOARD CEILING - MOISTURE RESISTANT
- TYPE G3:** 2-HR FIRE RATED CEILING UL DESIGN NO. U415
- TYPE M1:** ALUMINUM SOFFIT - EAVE
- TYPE M2:** ALUMINUM SOFFIT - ENTRY

SOFFIT DETAIL - REFER TO CEILING SERIES

CEILING TAG

LIGHT FIXTURES

CABINET UNIT HEATER (C.U.H.)

UNIT HEATER (U.H.)

EXIT SIGN

MOTION DETECTOR

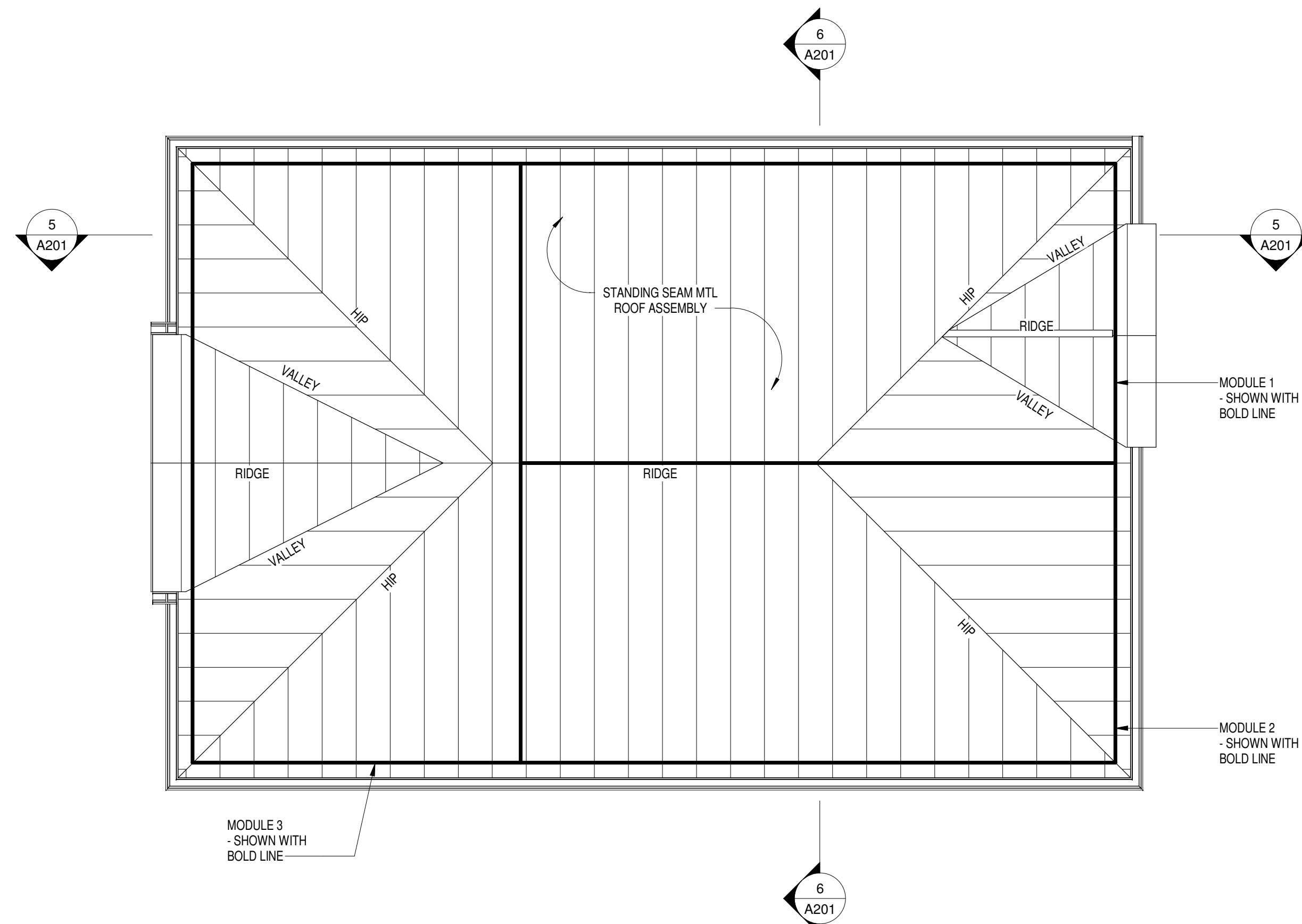
SMOKE DETECTOR (SD)

OCCUPANCY SENSOR (OS)

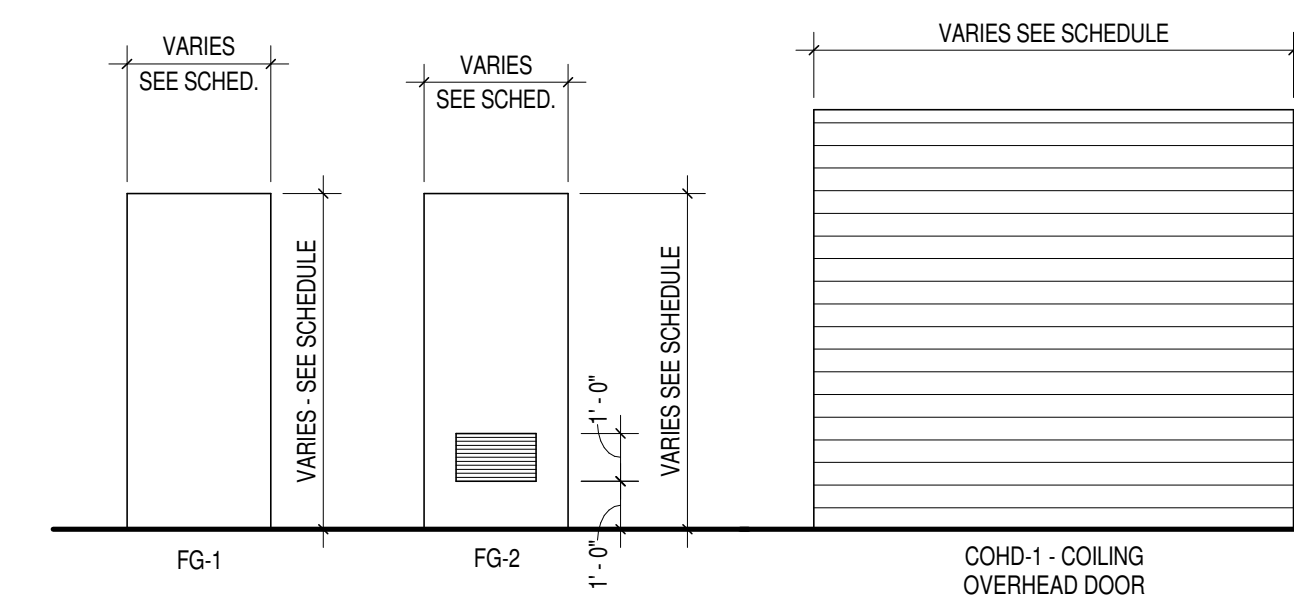
CEILING PHOTO SENSOR (PS)

CEILING FLUSH MOUNTED SPEAKER (S)

FIRE ALARM SPEAKER / VISUAL SIGNAL (F)

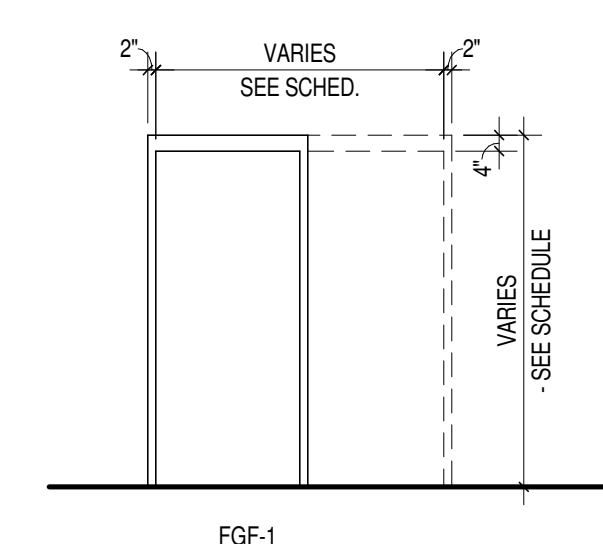


2 OVERALL ROOF PLAN
1/4" = 1'-0" 1/ A201

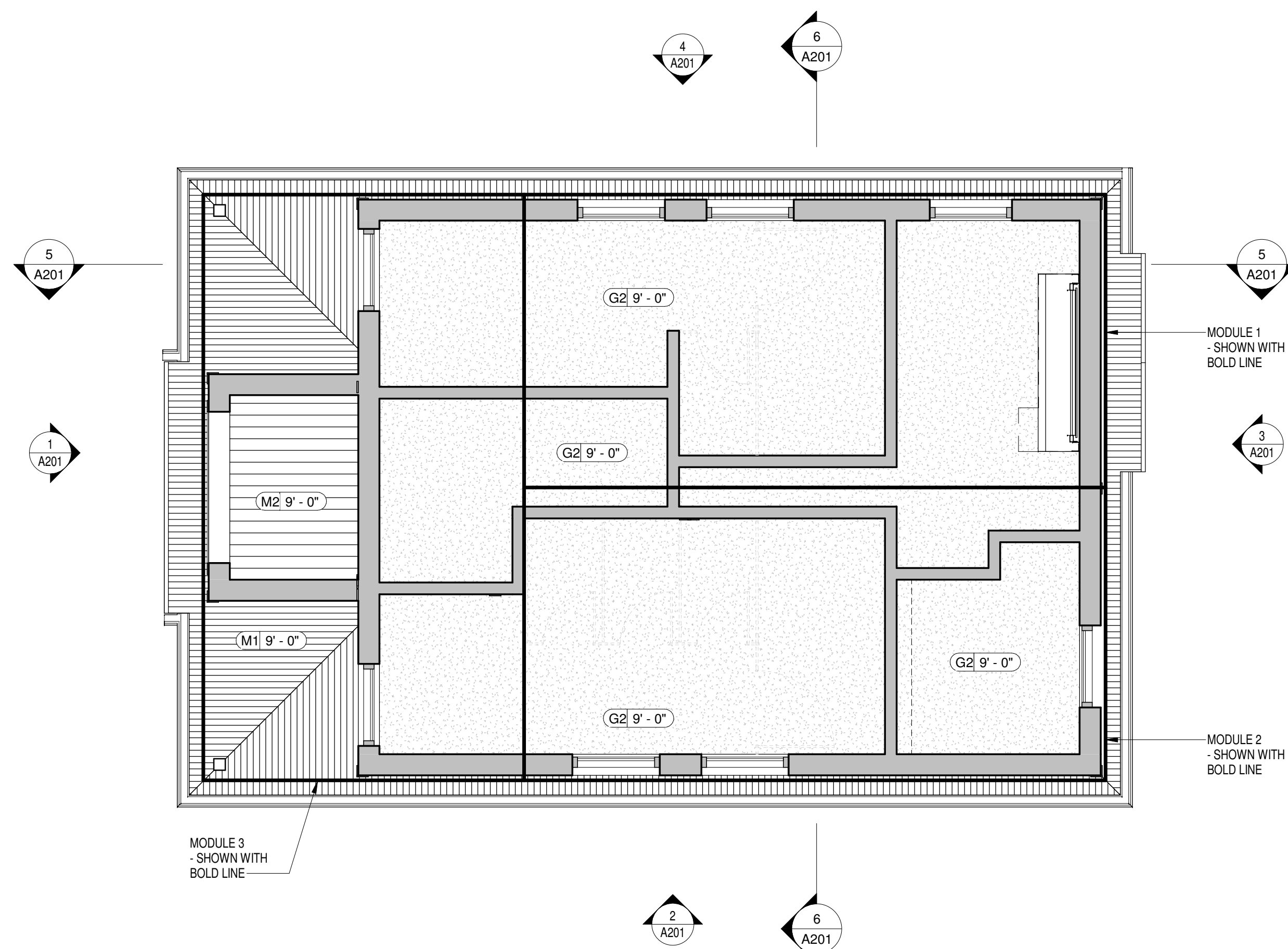


FIBERGLASS DOORS
SCALE: 1/4" = 1'-0"

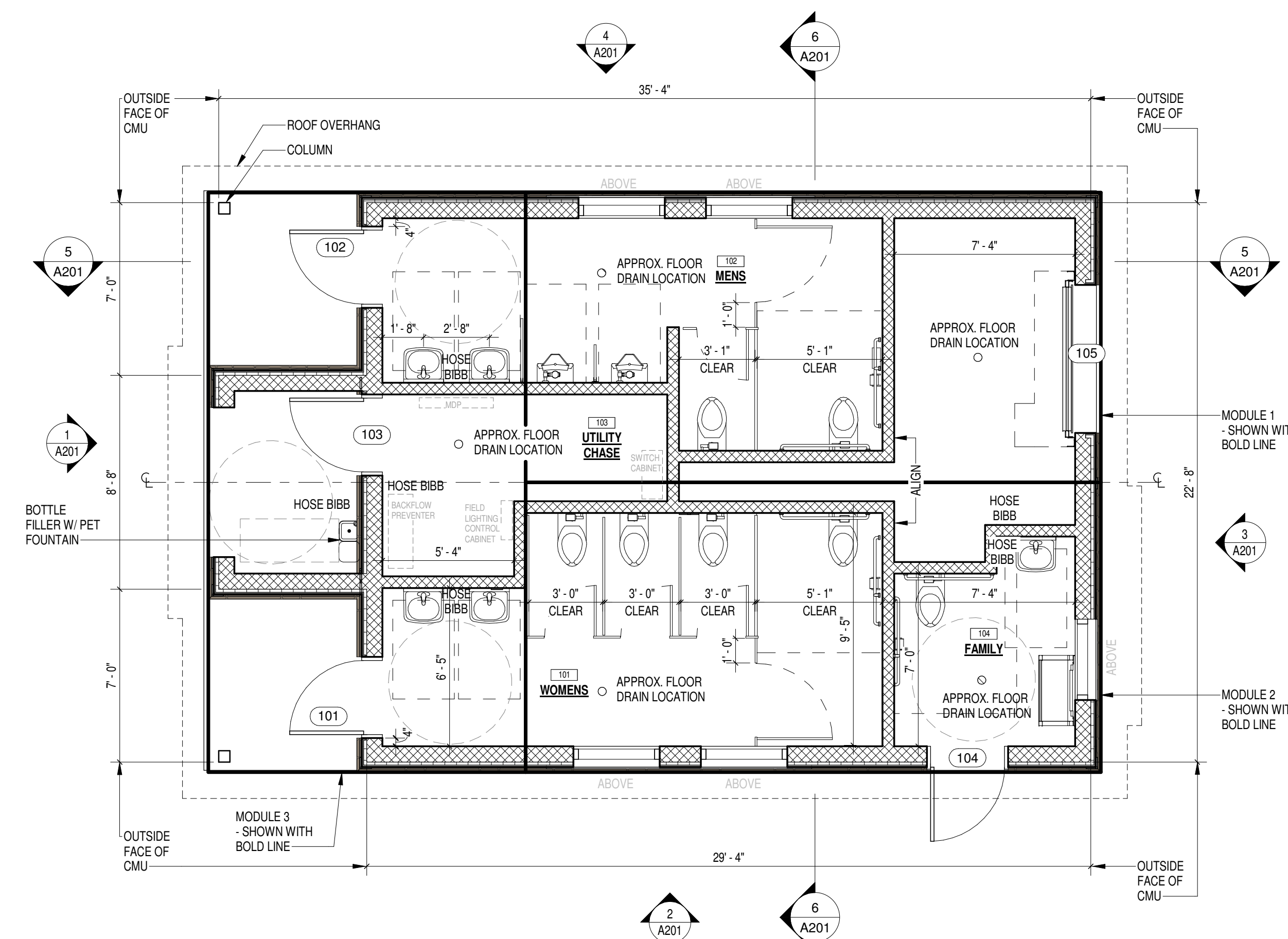
OVERHEAD DOORS
SCALE: 1/4" = 1'-0"



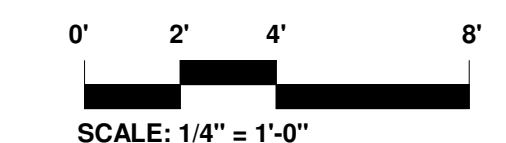
FIBERGLASS FRAMES
SCALE: 1/4" = 1'-0"



3 OVERALL RCP
1/4" = 1'-0" 1/ A201



1 OVERALL FLOOR PLAN
1/4" = 1'-0" 1/ A201



Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:

Seal:

Issued For:

BIDDING

Scale: 1/4" = 1'-0"

Key Plan:

NORTH

Date: 1/11/2023

Drawn By: FS

Reviewed By: BPM

Approved By: BPM

W&S Project No.: ENG22-0258

W&S File No.: XXX

Drawing Title:

RESTROOM - OVERALL FLOOR, REFLECTED CEILING, AND ROOF PLANS

Sheet Number:

A101



Revisions:

No.	Date	Description

COA:

Seal:

Issued For:

BIDDING

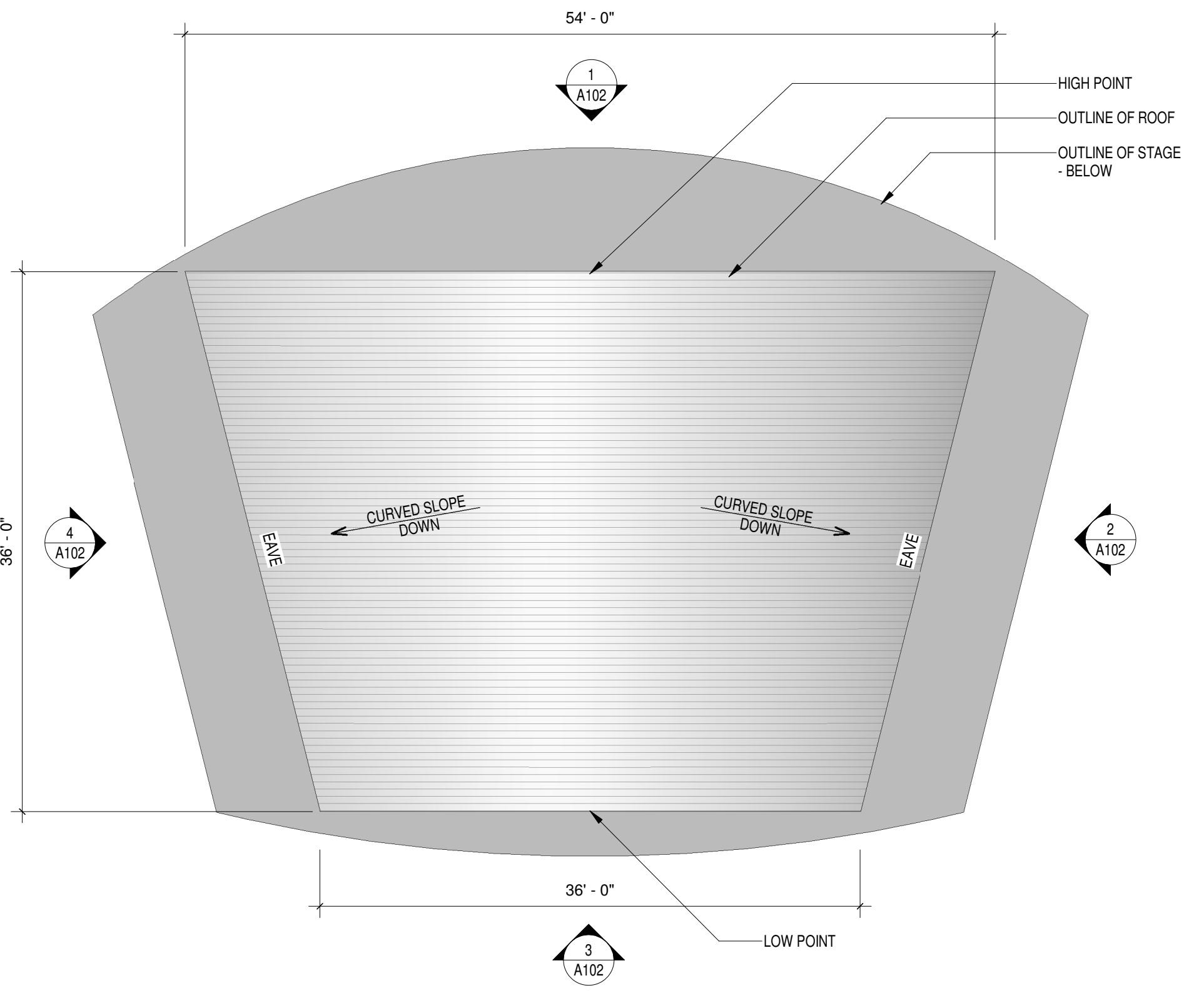
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Key Plan:

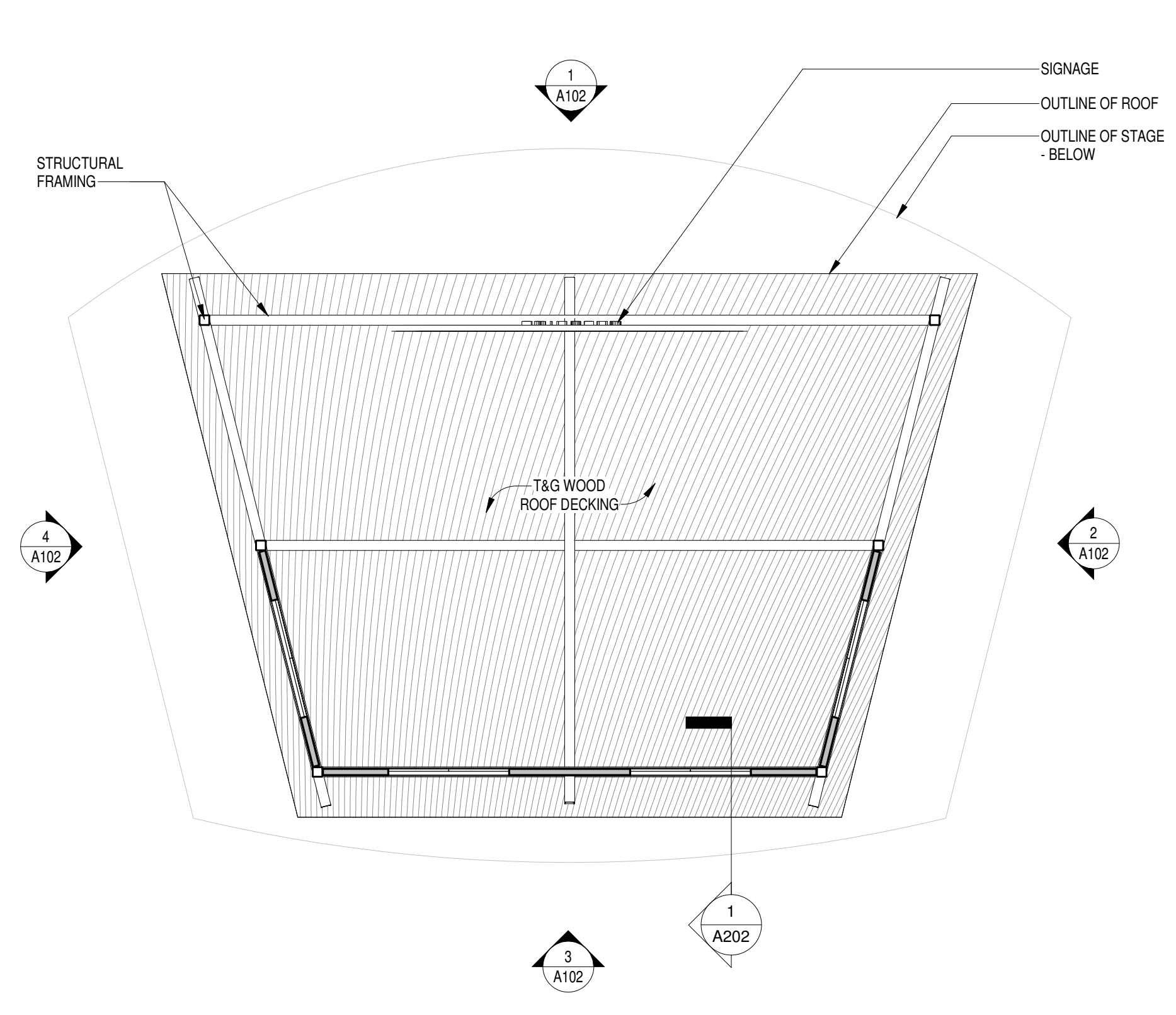
Date: 1/11/2023
 Drawn By: DRD
 Reviewed By: BPM
 Approved By: BPM
 W&S Project No.: ENG22-0258
 W&S File No.: XXX

Drawing Title:
**BANDSHELL -
 OVERALL FLOOR, RCP
 & ROOF PLANS AND
 ELEVATIONS**

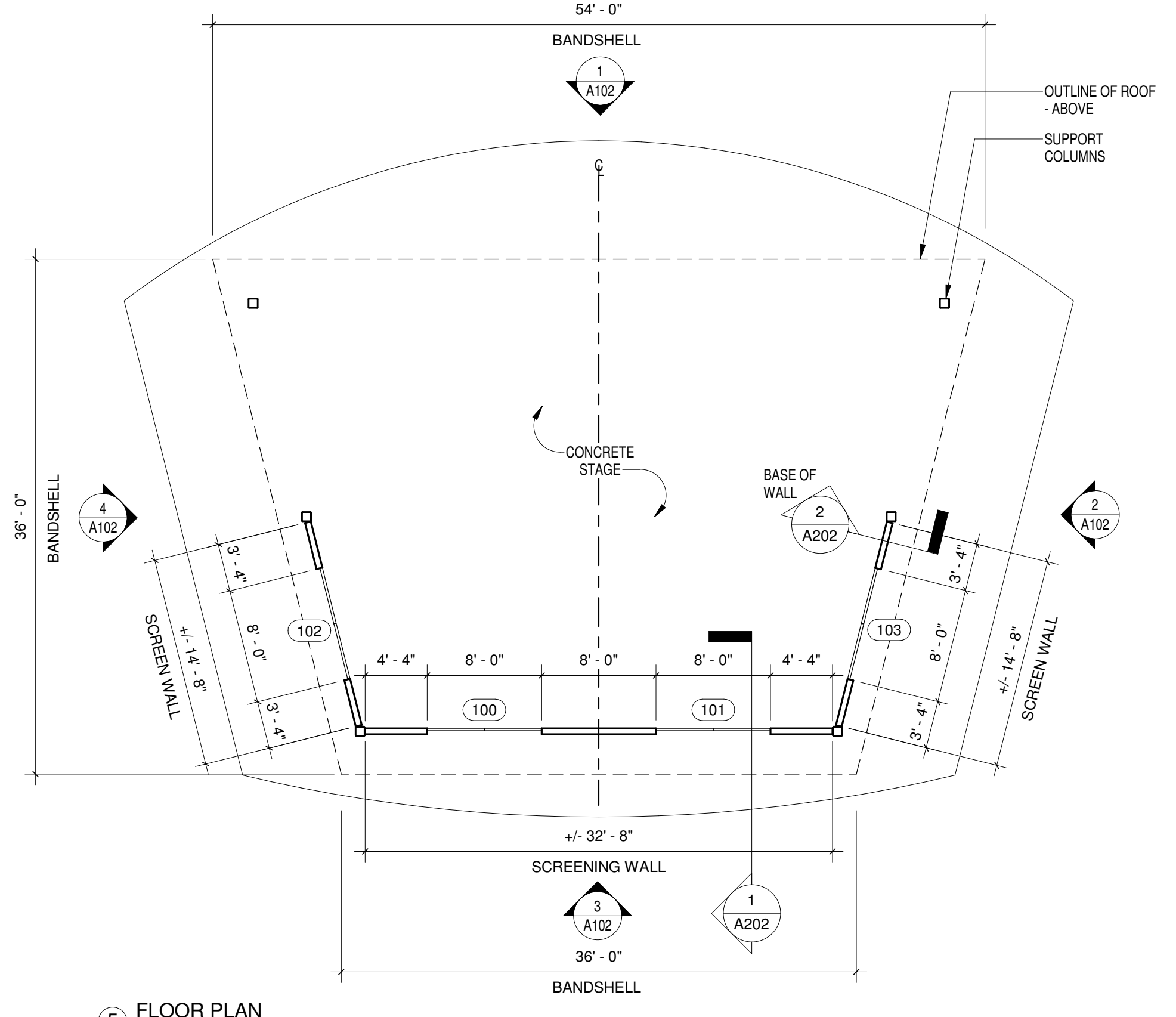
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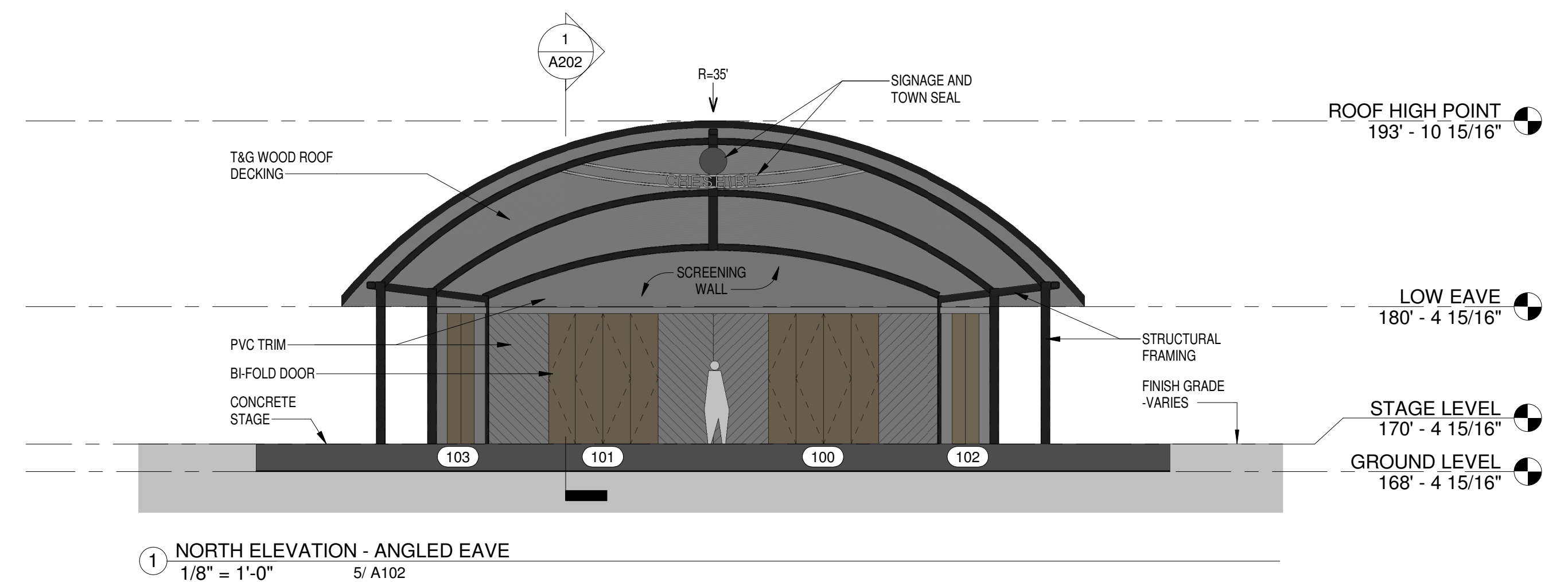
7 ROOF PLAN
 1/8" = 1'-0" 1/ A102



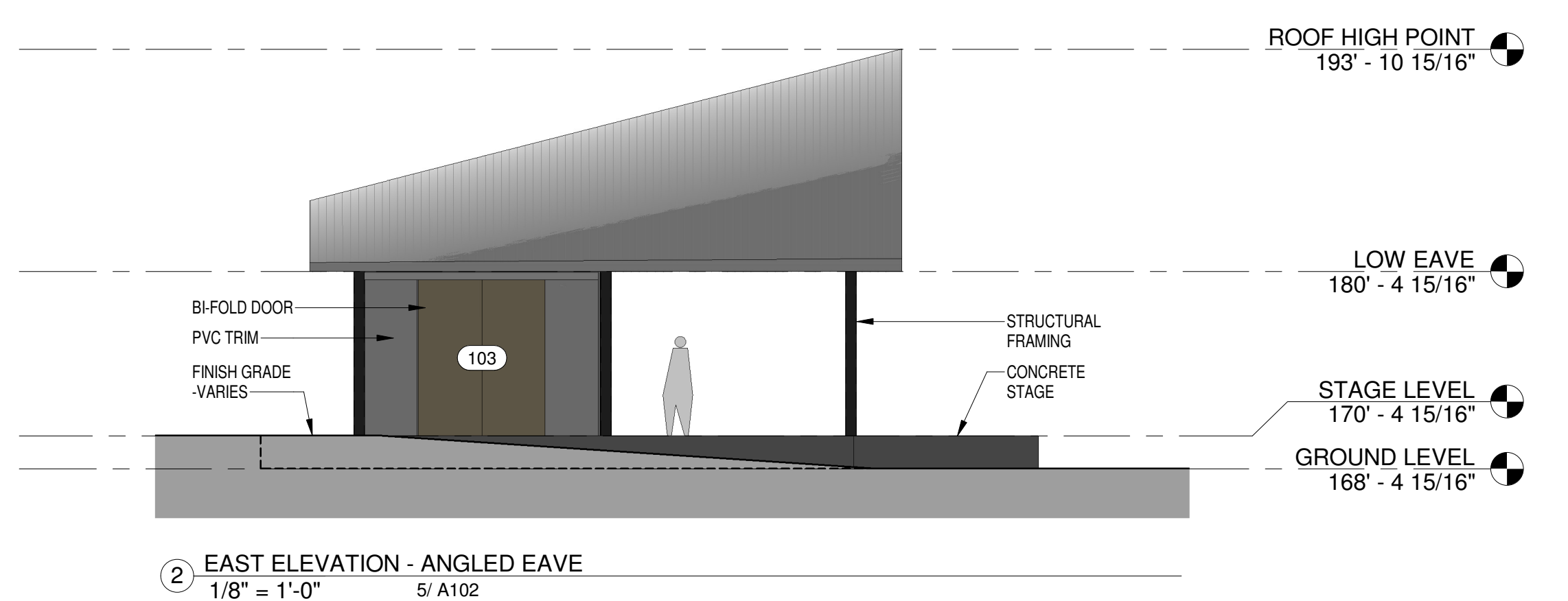
6 REFLECTED CEILING PLAN
 1/8" = 1'-0" 1/ A102



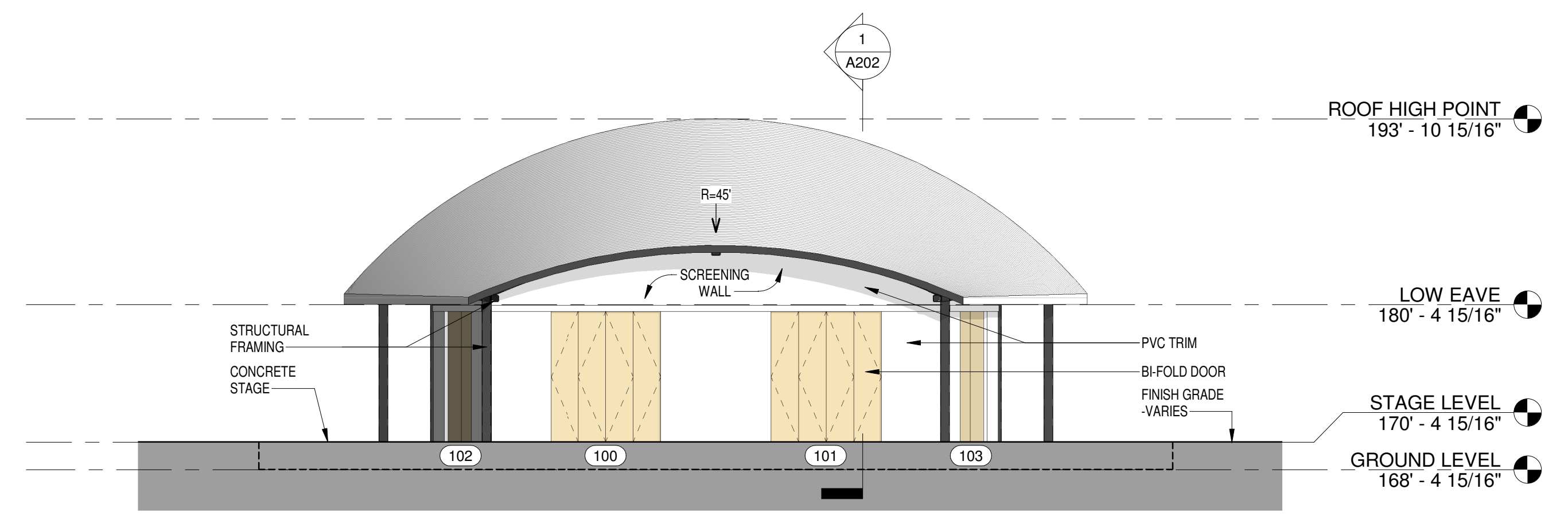
5 FLOOR PLAN
 1/8" = 1'-0" 1/ A102



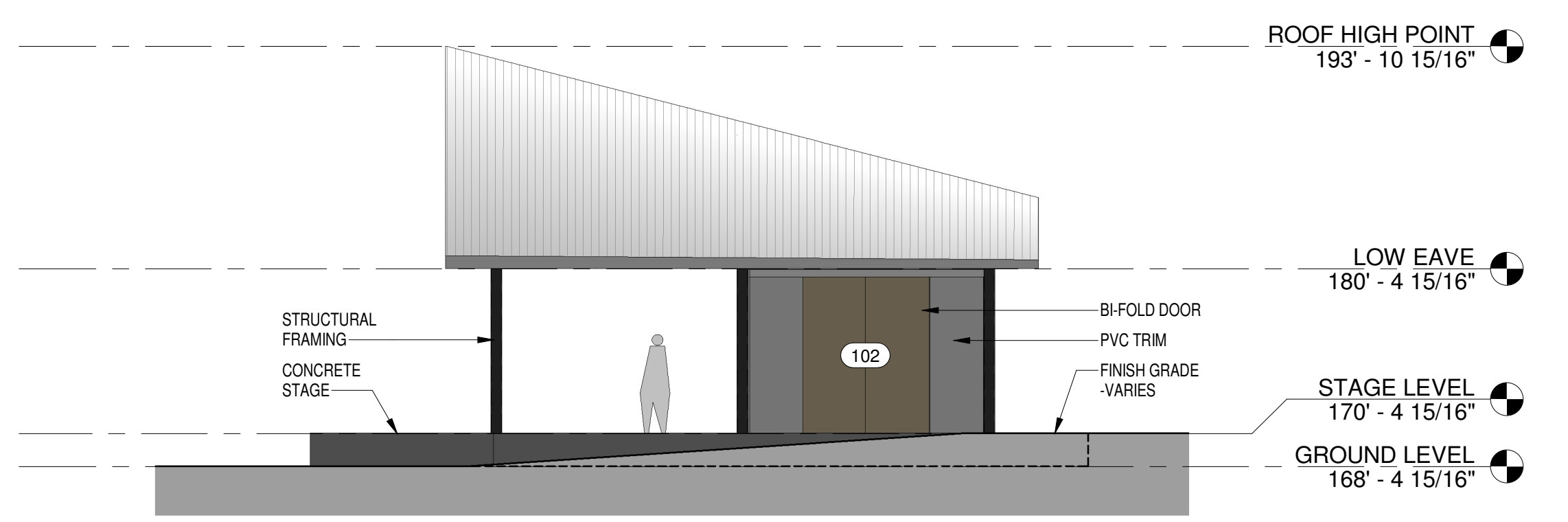
1 NORTH ELEVATION - ANGLED EAVE
 1/8" = 1'-0" 5/ A102



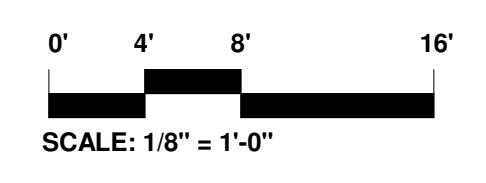
2 EAST ELEVATION - ANGLED EAVE
 1/8" = 1'-0" 5/ A102



3 SOUTH ELEVATION - ANGLED EAVE
 1/8" = 1'-0" 5/ A102



4 WEST ELEVATION - ANGLED EAVE
 1/8" = 1'-0" 5/ A102



Consultants:

No.	Date	Description

Revisions:

No.	Date	Description

COA:

Seal:

Issued For:
BIDDING


Scale: As indicated
 Key Plan:

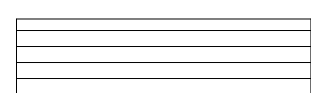
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 Drawn By: FS
 Reviewed By: BPM
 Approved By: BPM
 W&S Project No.: ENG22-0258
 W&S File No.: XXX

Drawing Title:
**RESTROOM -
 OVERALL
 ELEVATIONS AND
 SECTIONS**

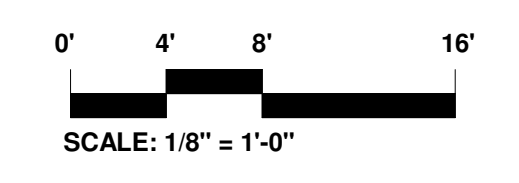
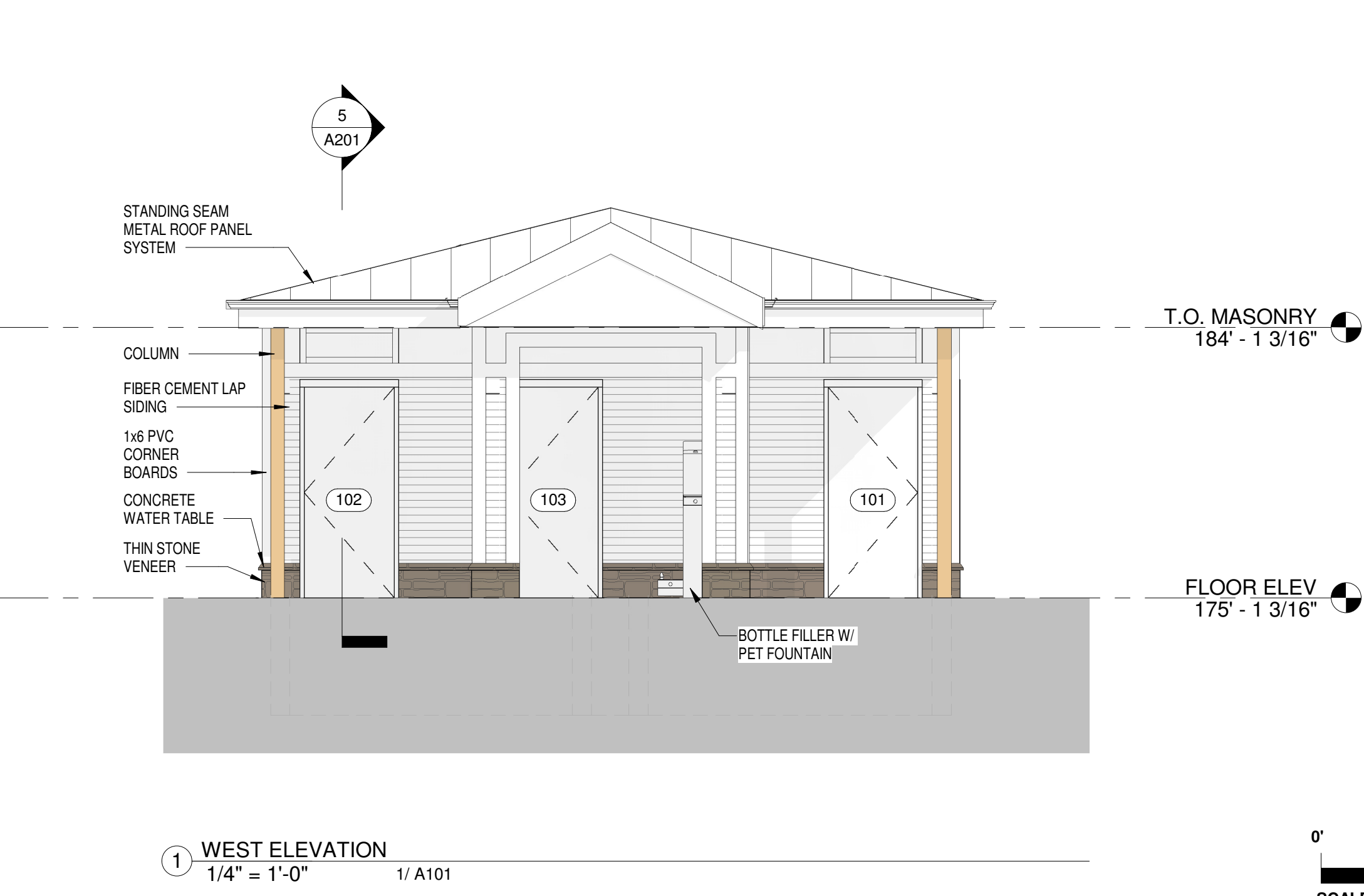
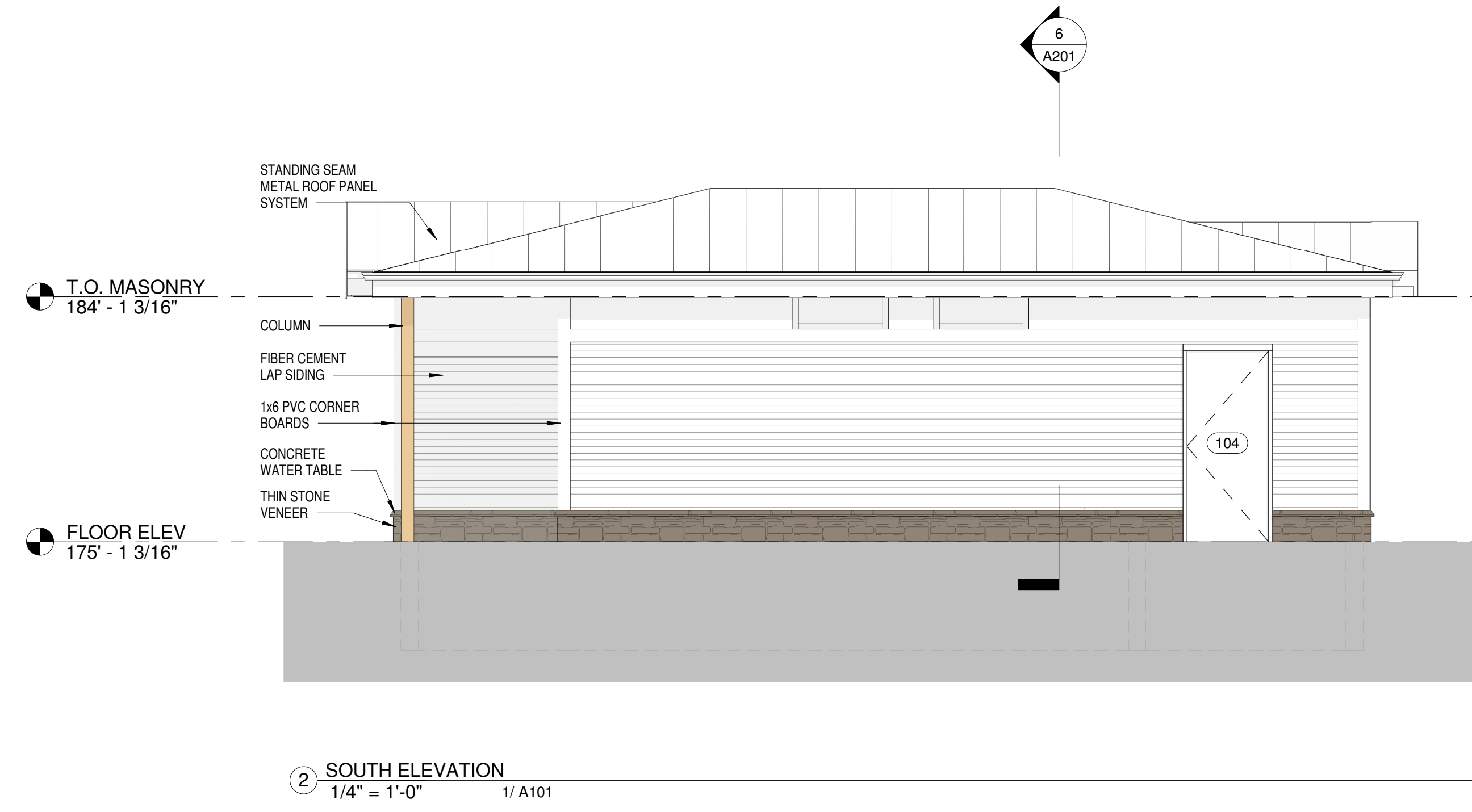
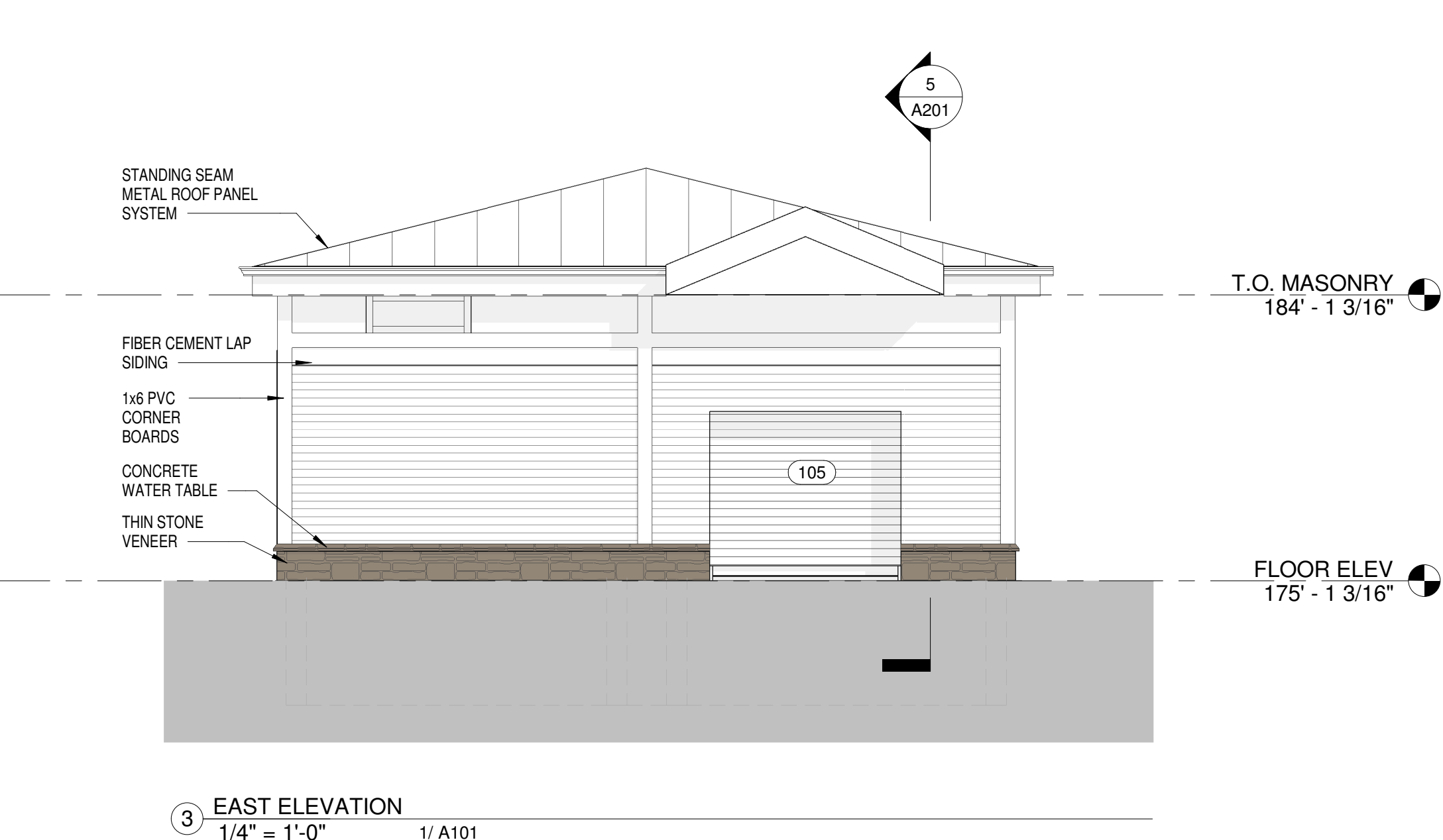
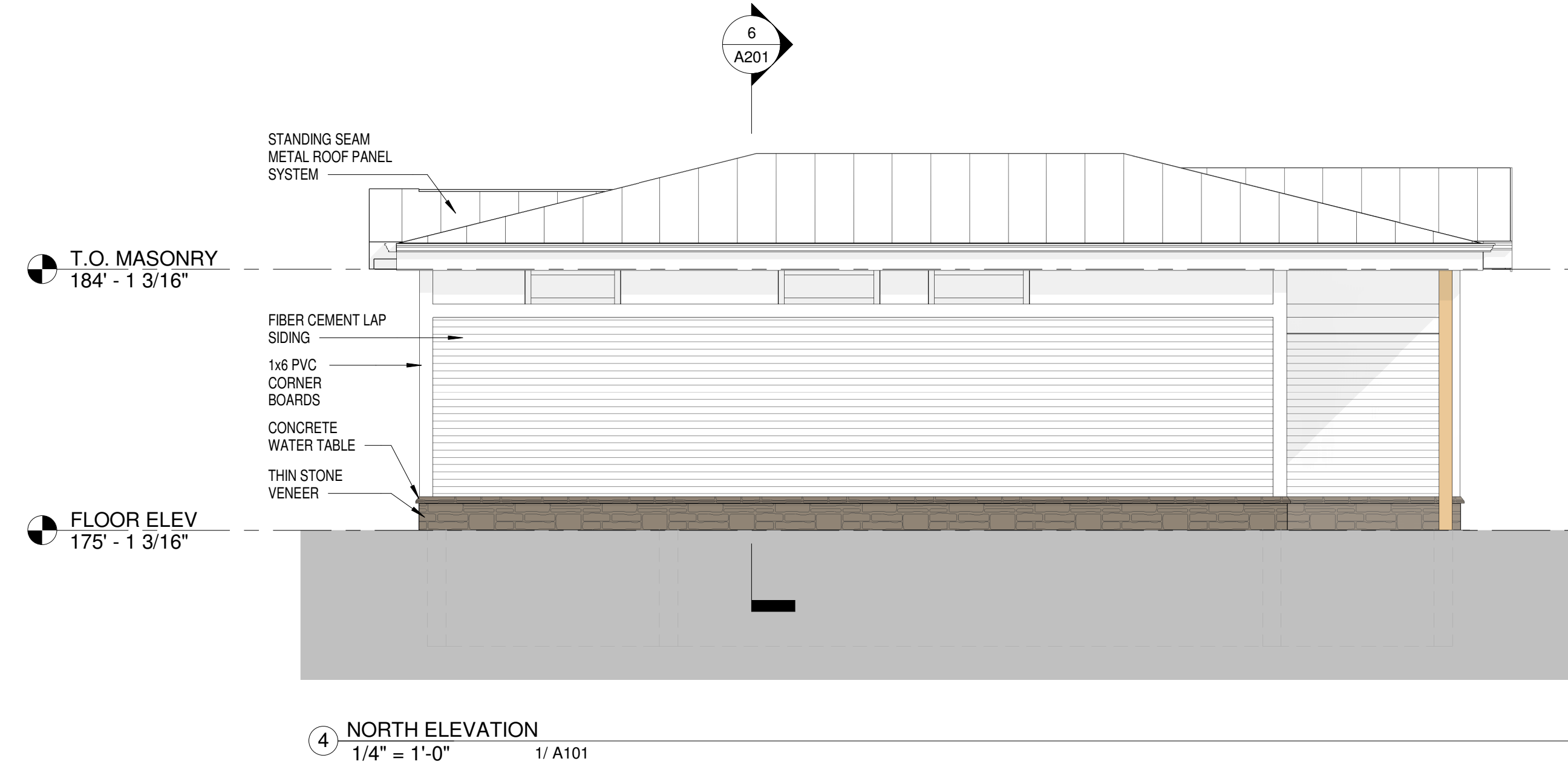
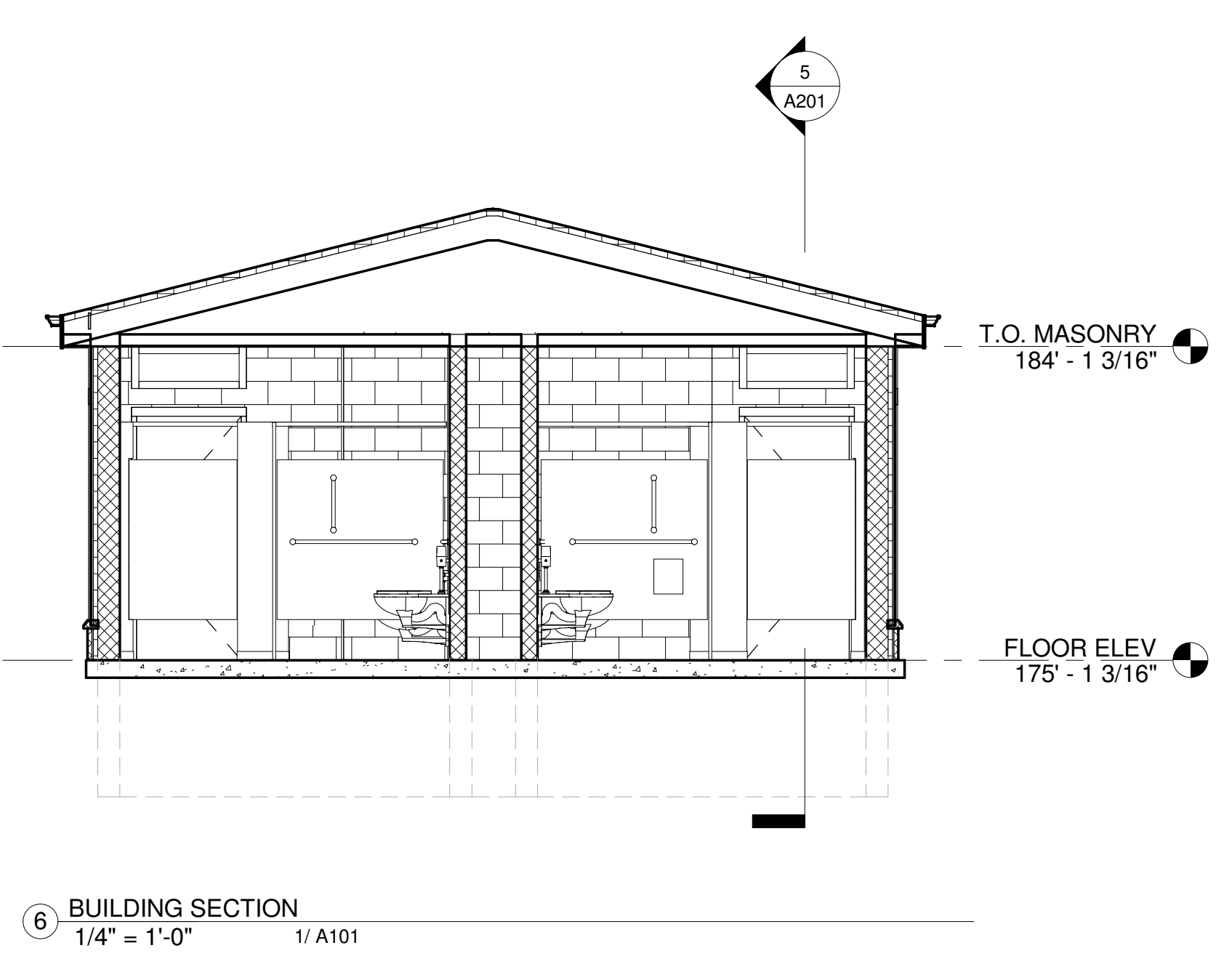
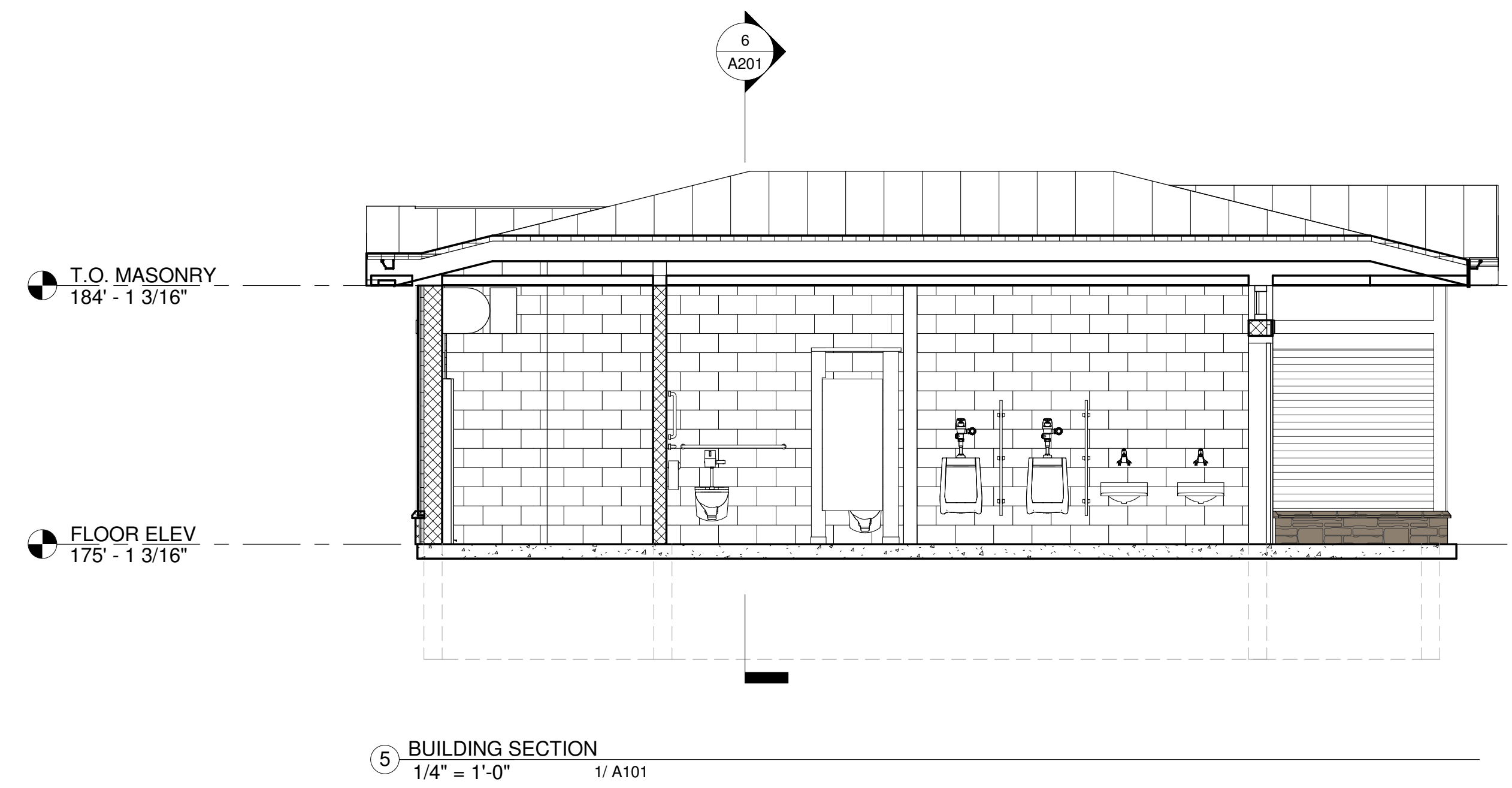
Sheet Number:
A201

ELEVATION LEGEND:

THIN ADHERED STONE VENEER 

MINERAL FIBER CEMENT LAP SIDING WITH 6" EXPOSURE 

NOTES:
 1. COORDINATE OPENINGS NOT SHOWN WITH EQUIPMENT AND MEP/FP DRAWINGS.





Revisions:

No.	Date	Description

COA:

Seal:

Issued For: **BIDDING**

Scale:

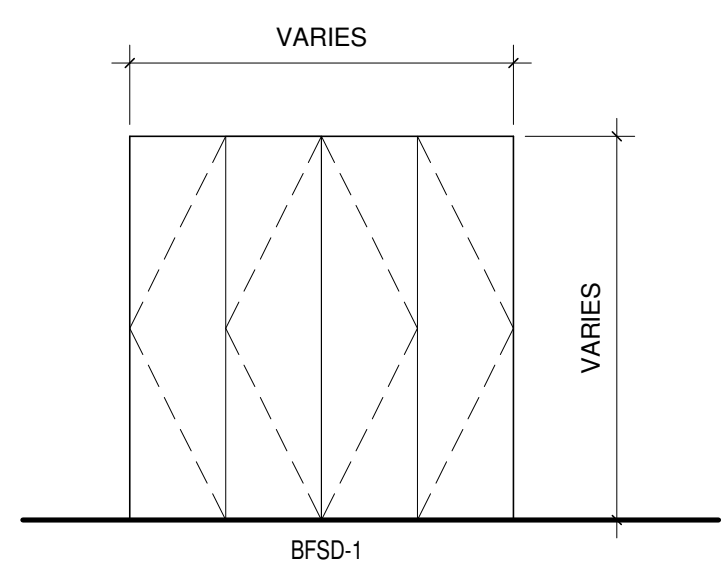
Key Plan:

Date: 1/11/2023
 Drawn By: DRD
 Reviewed By: BPM
 Approved By: BPM
 W&S Project No.: ENG22-0258
 W&S File No.: XXX

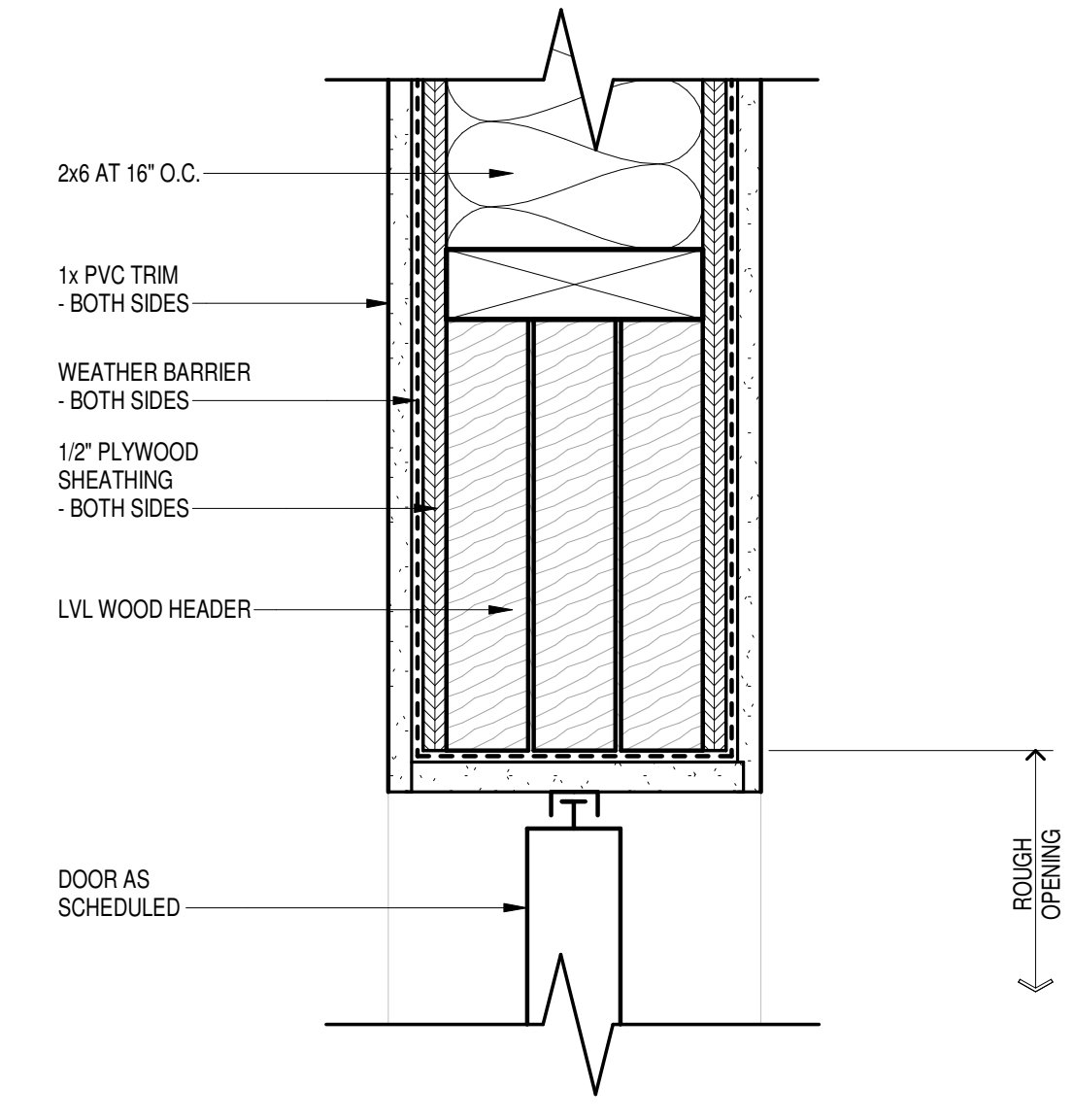
Drawing Title:
BAND SHELL - WALL SECTION & DETAILS

Sheet Number:
A202

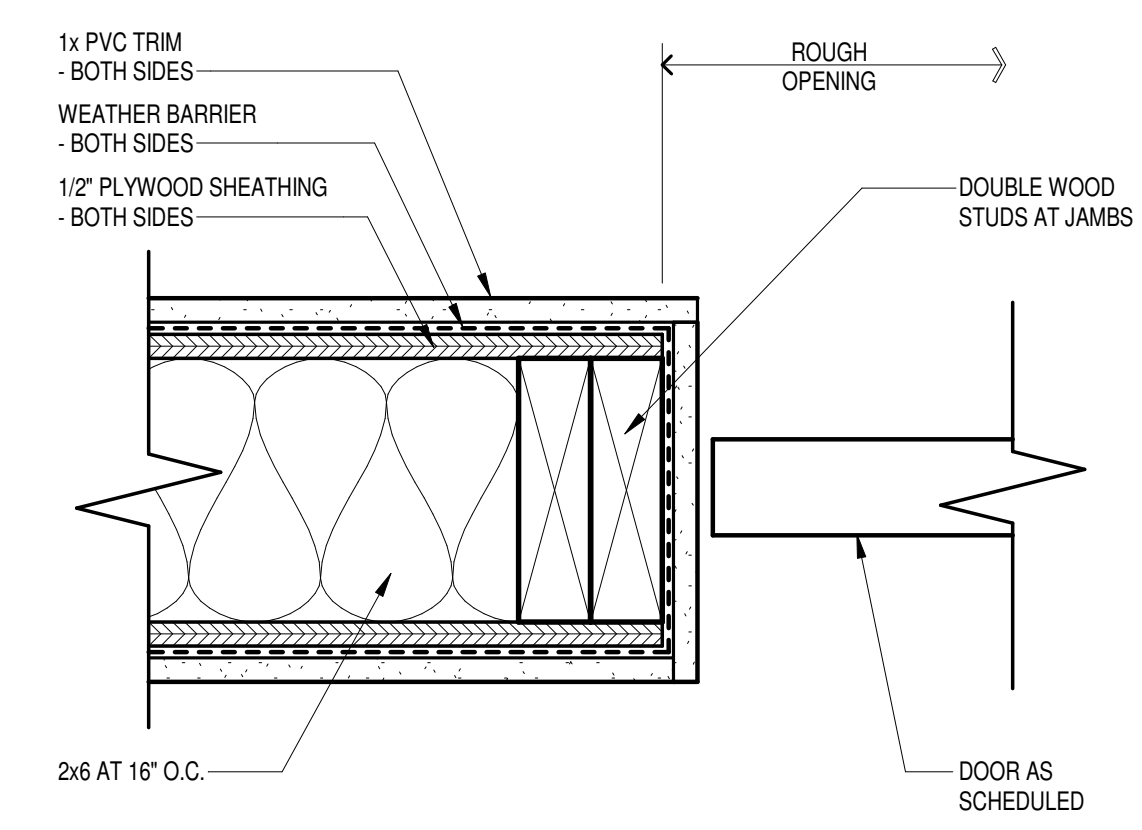
DOOR NUMBER	TYPE	DOOR			MATERIAL	FINISH	FRAME		REMARKS
		SIZE		HEAD			JAMB		
		WIDTH	HEIGHT						
100	BFSD-1	8'-0"	9'-6"	STEEL	PRE-FINISHED	4/A201	3/A201	BIFOLD DOOR	
101	BFSD-1	8'-0"	9'-6"	STEEL	PRE-FINISHED	4/A201	3/A201	BIFOLD DOOR	
102	BFSD-1	8'-0"	9'-6"	STEEL	PRE-FINISHED	4/A201	3/A201	BIFOLD DOOR	
103	BFSD-1	8'-0"	9'-6"	STEEL	PRE-FINISHED	4/A201	3/A201	BIFOLD DOOR	



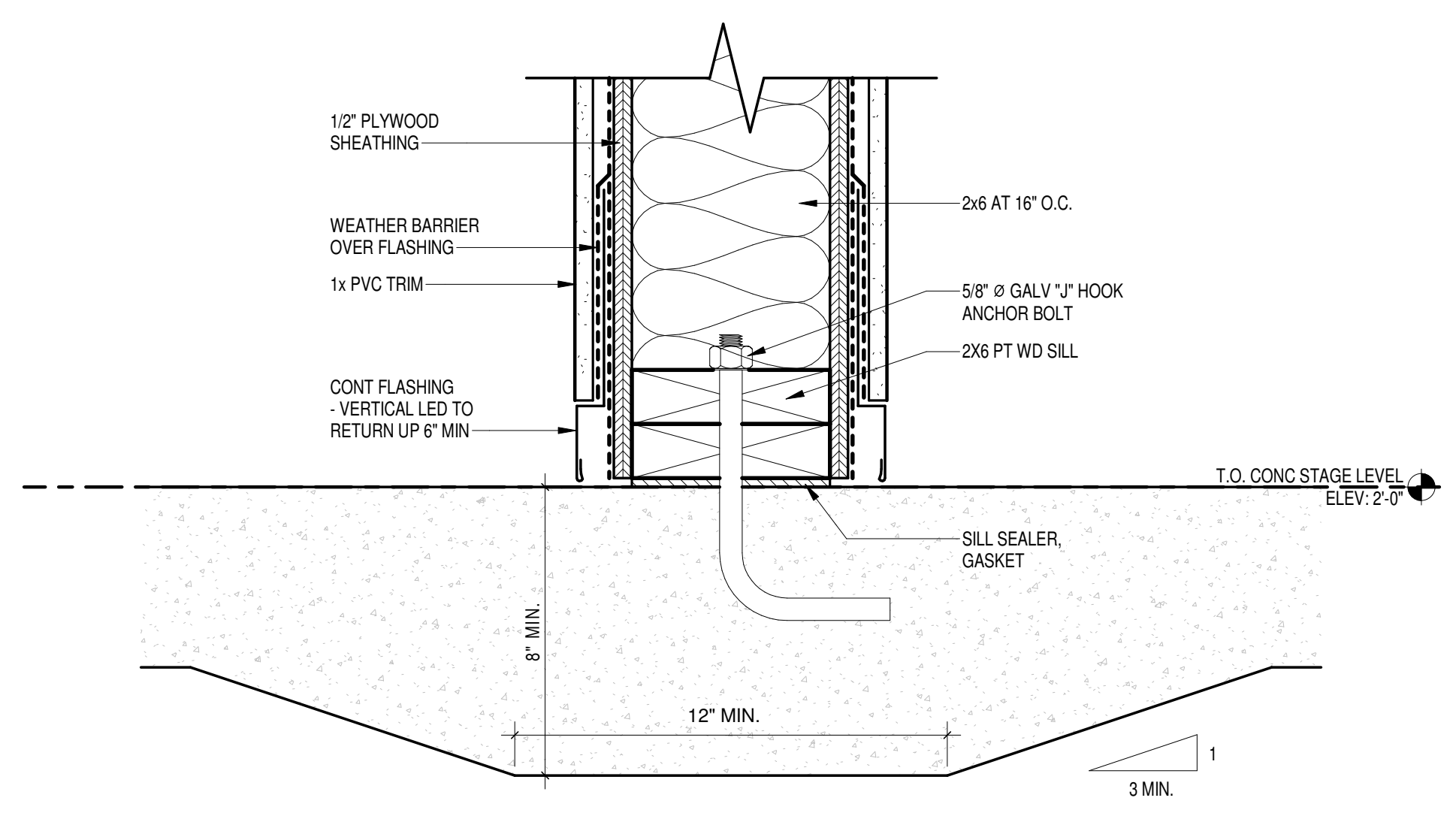
BI-FOLD SECTIONAL DOOR
SCALE: 1/4" = 1'-0"



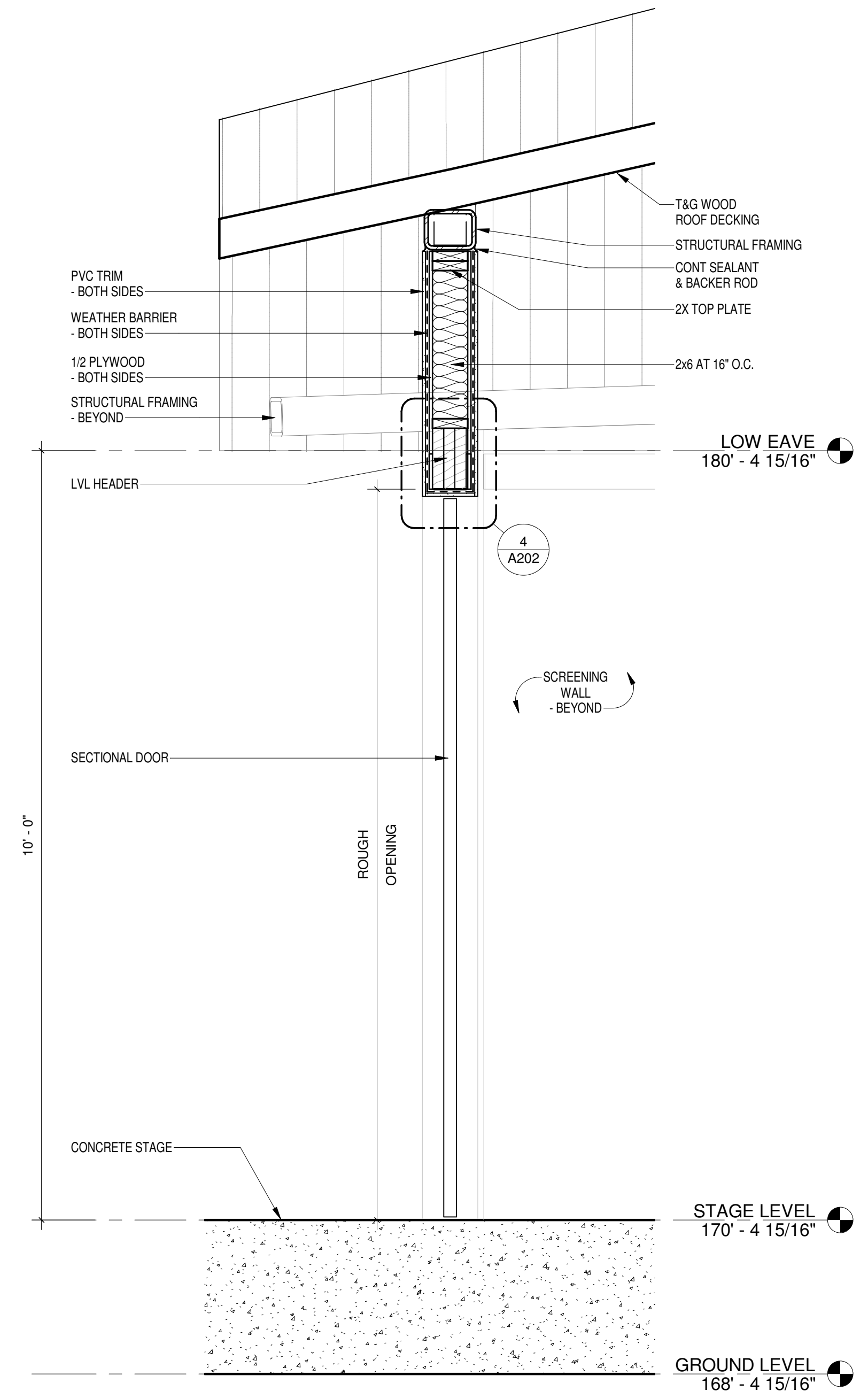
4 HEAD DETAIL - BIFOLD DOOR
3" = 1'-0" 1/ A202



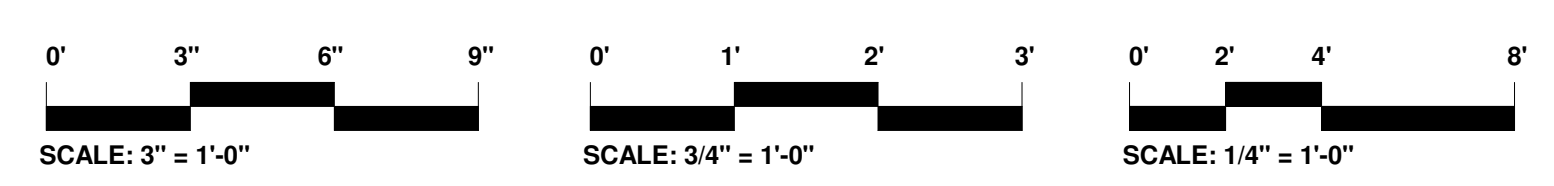
3 JAMB DETAIL - BIFOLD DOOR
3" = 1'-0"

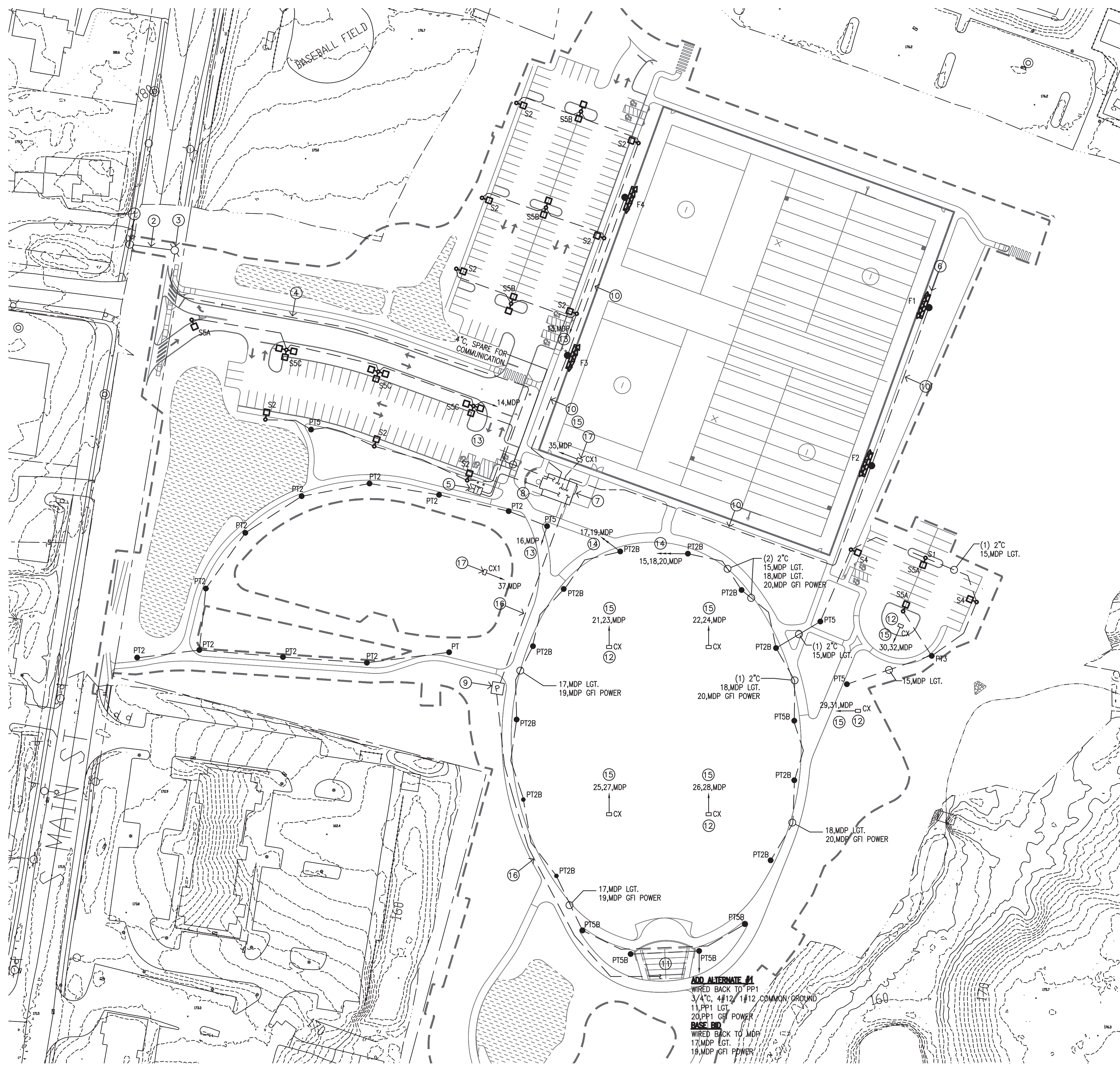


2 BASE OF WALL DETAIL
3" = 1'-0" 5/ A102



1 TYPICAL SECTION
3/4" = 1'-0" 1/ A102





ELECTRICAL SITE PLAN
SCALE: 1" = 60'-0"
1
E1

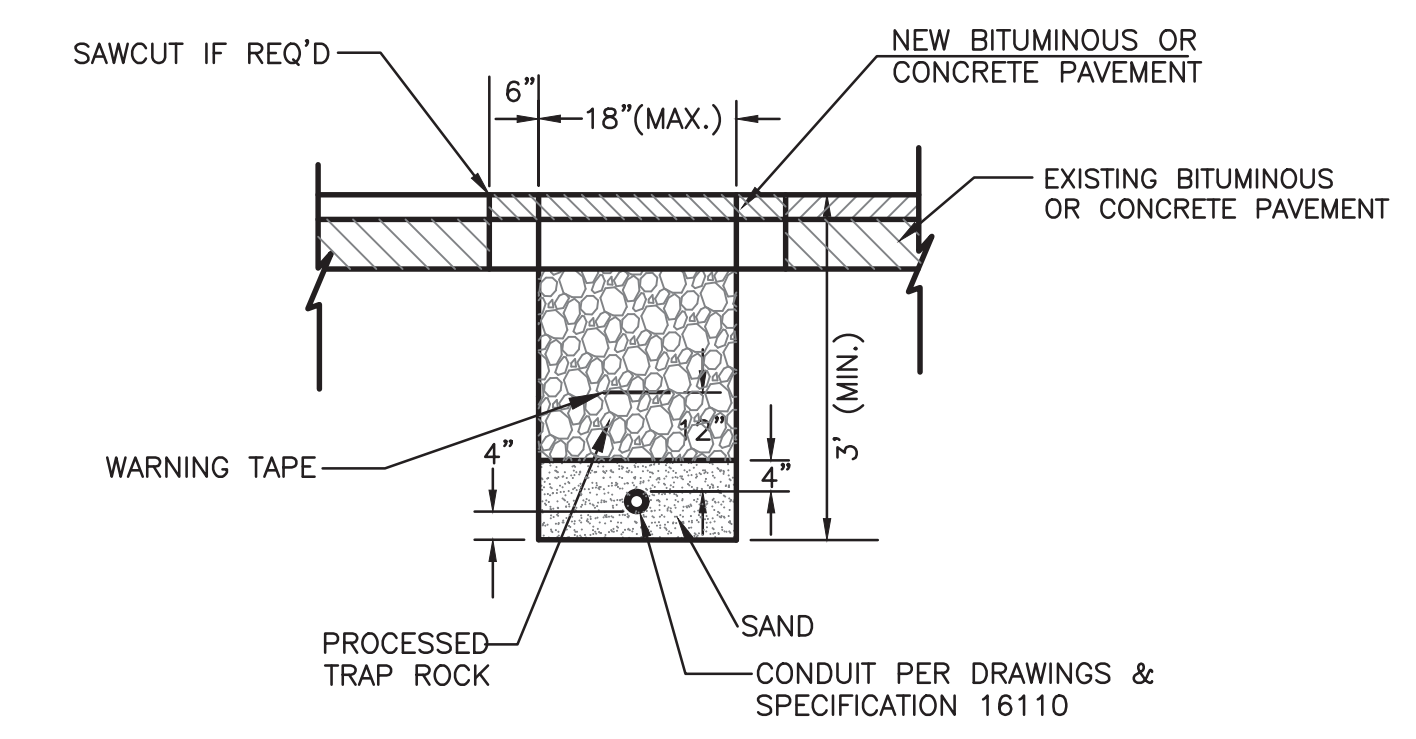
CALL BEFORE YOU DIG
811 OR (800)922-4455
CALL NO LESS THAN TWO FULL WORKING DAYS AND NO MORE THAN 30 DAYS PRIOR TO START OF EXCAVATION
MONDAY THRU FRIDAY, 7AM TO 5PM

DRAWING KEY NOTES

- 1 APPROXIMATE LOCATION OF EXISTING UTILITY POLE #3141 TO BE RE-USED TO SUIT NEW ELECTRICAL PRIMARY FEEDER.
- 2 PROPOSED ROUTING FOR OVERHEAD PRIMARY SERVICE TO BE INSTALLED BY UTILITY.
- 3 PROPOSED LOCATION FOR NEW UTILITY POLE TO BE INSTALLED BY UTILITY.
- 4 PROPOSED ROUTING FOR PRIMARY UNDERGROUND SERVICE. CONTRACTOR TO PROVIDE 4" CONDUIT TO SUIT PRIMARY SERVICE AND 4" CONDUIT SPARE WITH PULL ROPE TO SUIT COMMUNICATION. COORDINATE ROUTE/TRENCH WITH EXISTING CONDITION IN THE FIELD. REFER TO ONE-LINE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 5 PROPOSED LOCATION FOR UTILITY PAD MOUNTED TRANSFORMER TO BE PROVIDED BY EVERSOURCE AND INSTALLED BY CONTRACTOR. COORDINATE FINAL LOCATION WITH UTILITY AND CIVIL ENGINEER. REFER TO ONE-LINE RISER DIAGRAM AND CONCRETE TRANSFORMER PAD DETAIL FOR ADDITIONAL INFORMATION.
- 6 REFER TO SPECIFICATIONS, ONE-LINE RISER DIAGRAM, PANELBOARD SCHEDULE, AND SPORTS LIGHTING CONTROL SCHEMATIC FOR INFORMATION ABOVE SPORT LIGHTING SYSTEM. TYPICAL.
- 7 PROPOSED RESTROOM PAVILION SHOWN FOR REFERENCE PURPOSE ONLY. REFER TO ELECTRICAL RESTROOM PAVILION FLOOR PLAN IN SHEET E-2 FOR ELECTRICAL EQUIPMENT LOCATION AND ADDITIONAL INFORMATION.
- 8 PROPOSED ROUTING FOR SECONDARY UNDERGROUND SERVICE. PROVIDE (2) SETS, 4" PVC SCH.40 UNDERGROUND, 4 #350KCMIL.
- 9 PROPOSED LOCATION FOR IN-GROUND PULL BOX. REFER TO IN-GROUND JUNCTION/PULL BOX DETAIL FOR ADDITIONAL INFORMATION.
- 10 PROPOSED ROUTE FOR UNDERGROUND CONDUIT TO SUIT FIELD LIGHTING. PROVIDE 2" PVC SCHEDULE-40 REFER TO SPORT LIGHTING CONTROL SCHEMATIC FOR WIRING INFORMATION, PANELBOARD SCHEDULE "MDP" FOR CIRCUIT BREAKER SIZE, AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 11 PROPOSED ENTERTAINMENT STAGE SHOWN FOR REFERENCE PURPOSE ONLY. REFER TO ELECTRICAL ENTERTAINMENT STAGE FLOOR PLAN FOR ELECTRICAL EQUIPMENT LOCATION AND ADDITIONAL INFORMATION.
- 12 PROPOSED LOCATION FOR IN-GROUND COMBOX MANUFACTURER SPORTSFIELD: CBNG1830 FOR NATURAL GRASS APPLICATIONS. REWORK COMBOX AS REQUIRED TO ACCOMMODATE POWER CONNECTION WITH 50 AMP 208V-1PH TWIST-LOCK FEMALE RECEPTACLE, CABLE WITH INPUT AND OUTPUT LENGTH TO BE 15' COILED INTO THE COMBOX. FURNISH AS BASIS OF DESIGN AND TURN OVER TO OWNERS A HUBBELL SPIDER II SSB2 WITH (6) 20A,125V STRAIGHT BLADE, (1) TWIST-LOCK 30A,208V, (1) 50A,125/208V TWIST-LOCK INLET, (1) 50A,125/208V TWIST-LOCK OUTLET, AND HUBBELL SCB50 50' FT INPUT / OUTPUT CABLE SET AT EACH COMBOX LOCATION. TYPICAL.
- 13 PROVIDE 2" PVC SCHEDULE-40, 2#6, 1#10G TO SUIT LIGHTING CIRCUIT. COORDINATE UNDERGROUND ROUTING WITH EXISTING CONDITION IN THE FIELD. REFER TO TRENCHING AND BACKFILL DETAIL FOR ADDITIONAL INFORMATION.
- 14 PROVIDE (2) 2" PVC SCHEDULE-40, (2) 2#6, 1#10G TO SUIT LIGHTING CIRCUIT AND (1) 2#10, 1#10G TO SUIT GFI POWER RECEPTACLE IN POLE. COORDINATE UNDERGROUND ROUTING WITH EXISTING CONDITION IN THE FIELD. REFER TO TRENCHING AND BACKFILL DETAIL FOR ADDITIONAL INFORMATION.
- 15 PROVIDE 2" PVC SCHEDULE-40, 3#4, 1#10G TO SUIT COMBOX POWER CONNECTION. COORDINATE UNDERGROUND ROUTING WITH EXISTING CONDITION IN THE FIELD. REFER TO TRENCHING AND BACKFILL DETAIL FOR ADDITIONAL INFORMATION.
- 16 PROPOSED ROUTING FOR UNDERGROUND (2) SETS 2-1/2" PVC SCH-40, 4#3/0, 1#3G TO SUIT ELECTRICAL PANEL PP1. COORDINATE UNDERGROUND ROUTING WITH EXISTING CONDITION IN THE FIELD. REFER TO TRENCHING AND BACKFILL DETAIL FOR ADDITIONAL INFORMATION.
- 17 PROPOSED LOCATION FOR HALF IN-GROUND COMBOX MANUFACTURER SPORTSFIELD:CBT1815 FOR SYNTHETIC INFILL TURF APPLICATIONS AND SPORTSFIELD:CBNG1815 FOR NATURAL GRASS APPLICATIONS. REWORK COMBOX AS REQUIRED TO ACCOMMODATE 20A, 125V GFI DUPLEX POWER RECEPTACLE WITH WEATHERPROOF IN-USE COVER. PROVIDE 3/4", PVC SCH.-40, 2#12, 1#12G BACK TO MDP PANEL. COORDINATE FINAL LOCATION WITH OWNER IN THE FIELD PRIOR INSTALLATION.

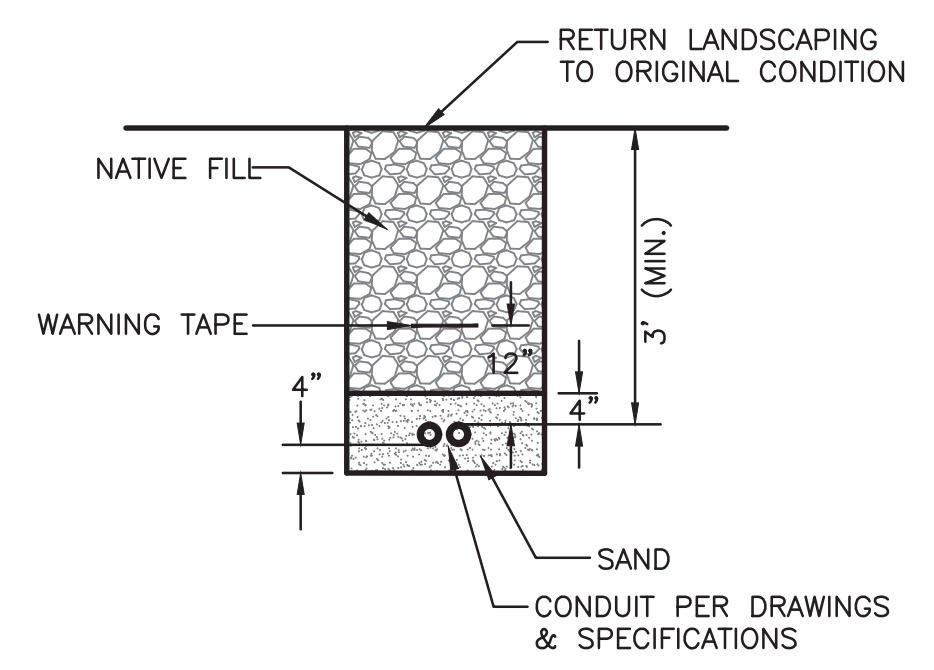
DRAWING GENERAL NOTES

1. ALL CONDUITS SHOWN ON DRAWINGS ARE OR TO BE INSTALLED 48" UNDERGROUND, PVC SCHEDULE 40.
2. PROPOSED ROUTING FOR NEW UNDERGROUND CONDUITS SHALL BE COORDINATED IN THE FIELD WITH EXISTING CONDITIONS.
3. REFER TO SYMBOL LEGEND FOR ADDITIONAL INFORMATION.



TYPICAL TRENCHING AND BACKFILLING DETAIL

NOT TO SCALE **2**
E1



TYPICAL TRENCHING AND BACKFILLING DETAIL

NOT TO SCALE **3**
E1

Revisions:

No.	Date	Description

COA:

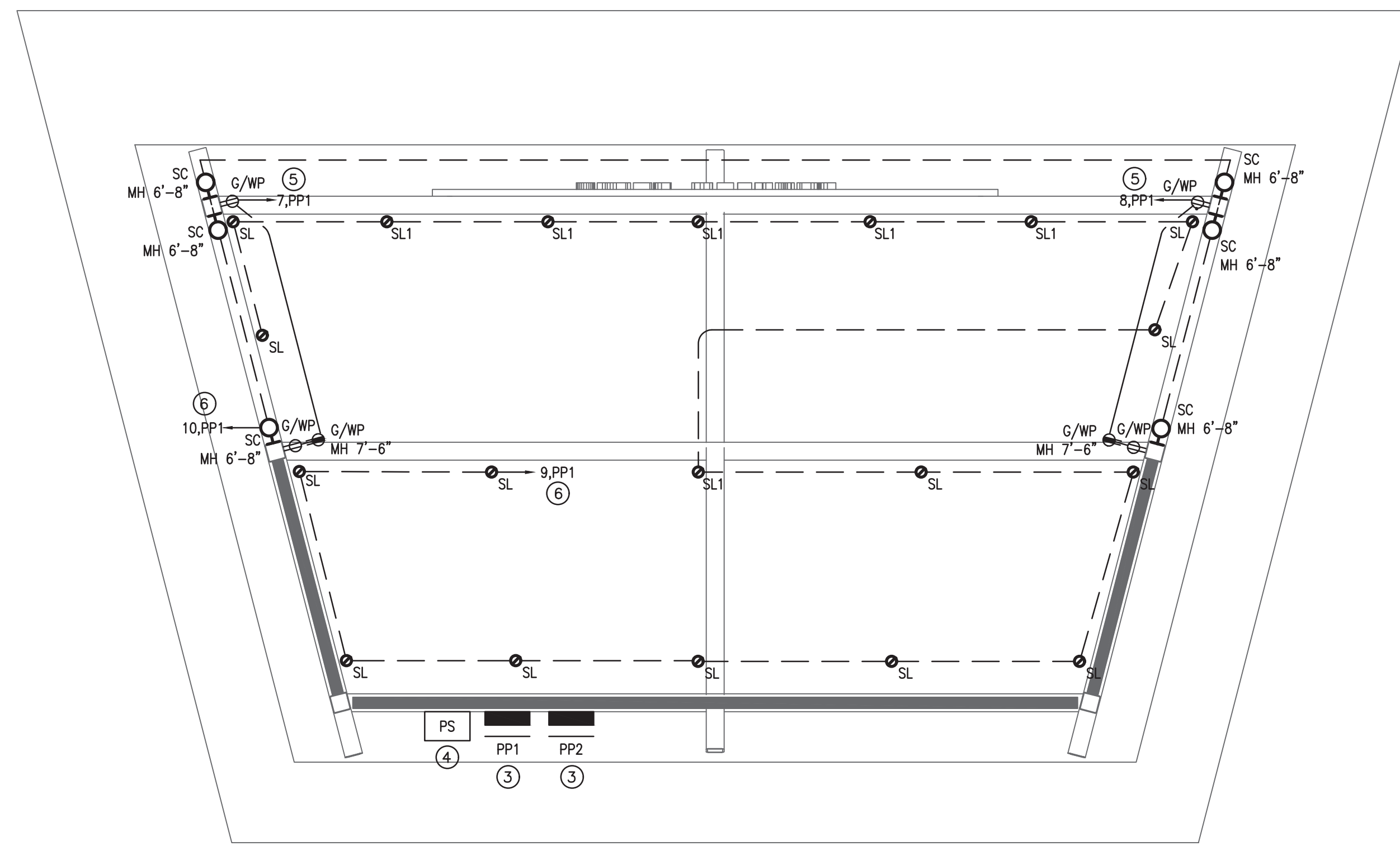
Seal:

Issued For:
BID DOCUMENTS

Scale: 1"=60'-0"

Date: 1/11/2023
Drawn By: JRP
Reviewed By: RRB
Approved By: RRB
W&S Project No.: ENG22 - 0258
W&S File No.:

Drawing Title:
ELECTRICAL SITE PLAN
Sheet Number:
E1



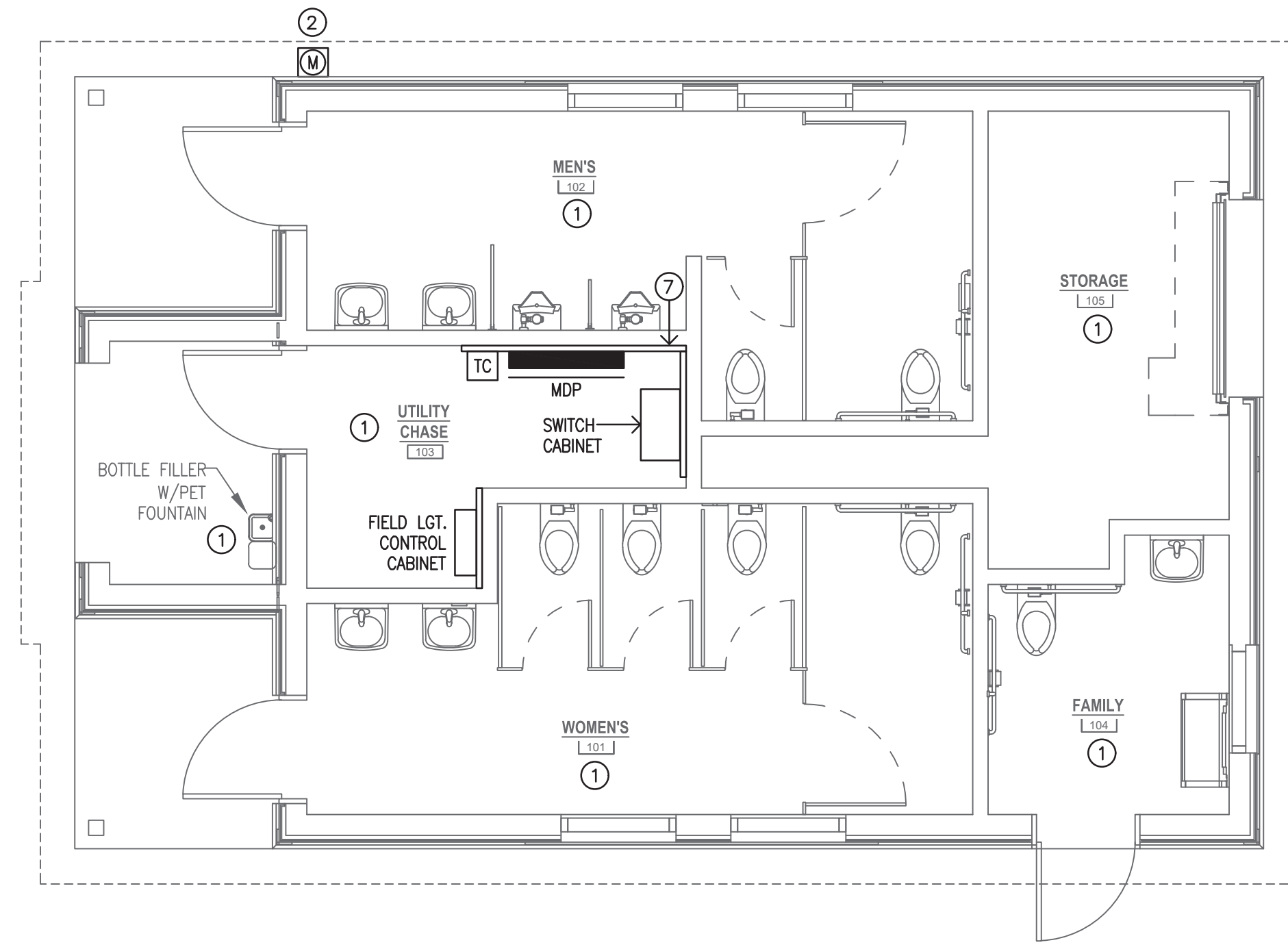
ADD ALTERNATE #1

ANY WORK ABOVE THE CONCRETE FLOOR FOR THE BANDSHELL IS ADD ALTERNATE #1 INCLUDED BUT NOT LIMITED TO LIGHT FIXTURES, J-BOXES, CONDUITS, WIRING, ELECTRICAL PANELS, AND POWER RECEPTACLES.

ELECTRICAL ENTERTAINMENT STAGE FLOOR PLAN

SCALE: 1/4" = 1'-0" 1
E2

MH = TO PROPOSED MOUNTING HEIGHT FROM FINISH FLOOR TO CENTER OF UNIT.



ELECTRICAL RESTROOM PAVILION FLOOR PLAN

SCALE: 1/4" = 1'-0" 1
E2

- DRAWING KEY NOTES**
- ① REST ROOM PAVILLION TO BE PROVIDED WITH POWER RECEPTACLES, LIGHT FIXTURES, WATER COOLER AND ELECTRICAL WATER HEATER, AND ASSOCIATED CONDUITS. ALL CONDUIT SHOULD BE TERMINATED AT MDP PANEL. CONTRACTOR TO PROVIDE CIRCUIT BREAKERS AND WIRING TO SUIT ALL UNITS.
 - ② FINAL REVENUE METER LOCATION TO BE COORDINATED WITH EVERSOURCE AND OWNER IN THE FIELD.
 - ③ **ADD ALTERNATE #1** - CONTRACTOR TO PROVIDE ELECTRICAL PANEL WITH WEATHERPROOF ENCLOSURE NEMA-3R. PANEL TO BE INSTALLED SURFACE MOUNTED AND PAINTED BLACK TO MATCH STRUCTURE AND WALL FINISHED. INSTALL PANELS AS PER MANUFACTURER REQUIREMENTS AND ENGINEER APPROVAL.
 - ④ **ADD ALTERNATE #1** - PROPOSED LOCATION FOR PANEL SWITCH WITH (16) CAM TYPE OUTLETS, LEXPRODUCTS: CS-400F-C6DS3-BLK, RATED FOR 400A,120/208V-3PH. PROVIDE WITH ENCLOSURE RATED FOR NEMA-3R AND BLACK FINISH.
 - ⑤ **ADD ALTERNATE #1** - PROVIDE 3/4" C, 2#12, 1#12G BACK TO DESIGNATED PANELBORAD. CONDUIT SHALL BE CONCEALED OR HIDDEN AS POSSIBLE. SURFACE CONDUIT AND BOXES TO BE PAINTED TO MATCH STRUCTURE FINISH.
 - ⑥ **ADD ALTERNATE #1** - PROVIDE 3/4" C, 2#12, 1#12G BACK TO DESIGNATED PANELBORAD. LIGHTING TO BE SWITCHED ON AND OFF FROM DESIGNATED ELECTRICAL PANEL. ALL CONDUIT SHALL BE CONCEALED OR HIDDEN AS POSSIBLE. SURFACE CONDUITS AND BOXES TO BE PAINTED TO MATCH STRUCTURE FINISH.
 - ⑦ PROVIDE 3/4" PLYWOOD BACKBOARD PAINT ALL SIDE WITH GRAY PAINT. TYPICAL.

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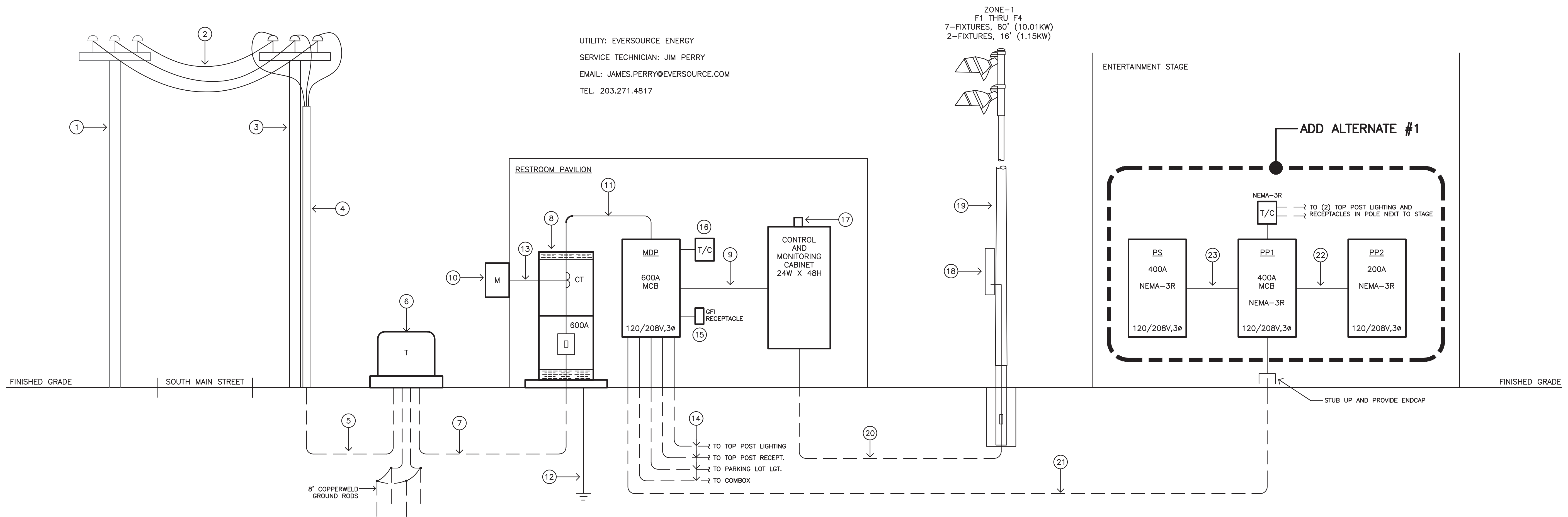
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Drawing Title:
ELECTRICAL PART PLANS
 Sheet Number:
E2

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ONE LINE RISER DIAGRAM

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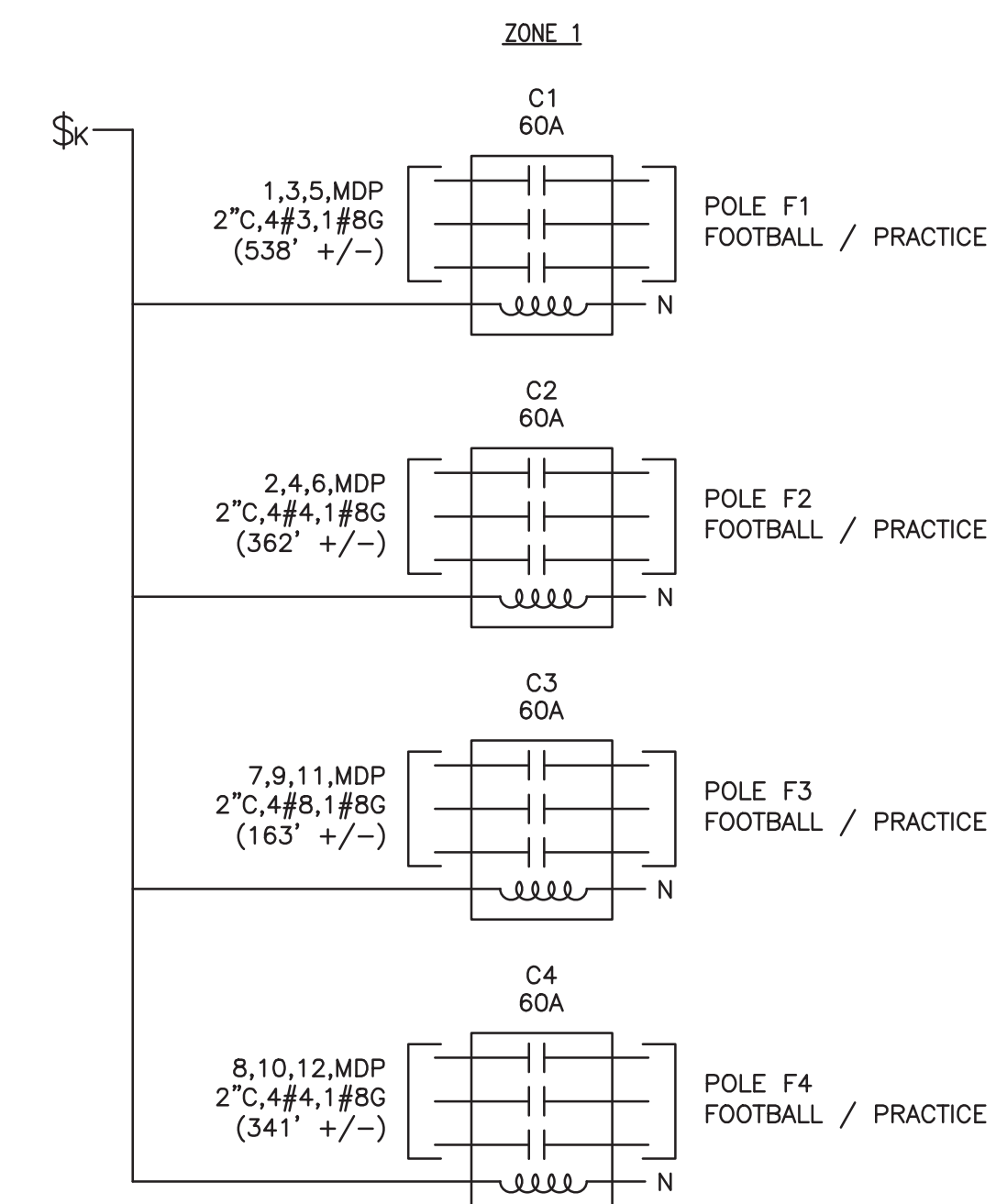
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E3

GENERAL NOTES

- ALL VALUES BASED ON COPPER CONDUCTORS.
- FEEDER** - UPGRADE WIRE TO MAINTAIN MAXIMUM OF 2% VOLTAGE DROP.
- BRANCH CIRCUITS** - UPGRADE WIRE TO MAINTAIN MAXIMUM OF 3% VOLTAGE DROP.
- NUMBER OF WIRES SHALL BE DETERMINED WITH EQUIPMENT ELECTRICAL NAMEPLATE CHARACTERISTICS.
- WHERE NEUTRALS ARE REQUIRED, IT SHALL MATCH FEEDER CONDUCTOR SIZE.

ONE-LINE RISER KEY NOTES

- APPROXIMATE LOCATION OF EXISTING UTILITY POLE #3141 TO BE RE-USED TO SUIT NEW ELECTRICAL PRIMARY SERVICE.
- OVERHEAD PRIMARY SERVICE TO BE PROVIDED AND INSTALLED BY UTILITY.
- NEW UTILITY POLE TO BE PROVIDED AND INSTALLED BY UTILITY.
- 4" RGS CONDUIT RISER TO BE INSTALLED AT OPPOSITE SIDE OF TRAFFIC. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE UTILITY APPROVED INSTALLATION.
- PRIMARY UNDERGROUND SERVICE. CONTRACTOR TO PROVIDE 4" CONDUIT TO SUIT PRIMARY SERVICE AND 4" CONDUIT SPARE WITH PULL ROPE TO SUIT COMMUNICATION. TRENCHING BY ELECTRICAL CONTRACTOR.
- UTILITY TRANSFORMER TO BE PROVIDED BY EVERSOURCE AND INSTALLED BY CONTRACTOR. PROVIDE CONCRETE PAD, GROUNDING AND GROUNDING GRID AS PER UTILITY REQUIREMENTS. COORDINATE REQUIREMENTS WITH UTILITY COMPANY. REFER CONCRETE TRANSFORMER PAD DETAIL AND SITE PLAN FOR ADDITIONAL INFORMATION.
- SECONDARY UNDERGROUND SERVICE. CONTRACTOR TO PROVIDE (2) SETS, 4" PVC SCH.40, 4#350 KCMIL UNDERGROUND.
- CONTRACTOR TO PROVIDE SWITCH CABINET WITH CURRENT TRANSFORMER SECTION RATED FOR SERVICE ENTRANCE 600A, 208Y/120V, 3Ø, 4 WIRE. PROVIDE CONCRETE PAD.
- PROVIDE 3/4" C, 2#12, 1#12G TO SUIT CONTROL PANEL. REFER TO PANELBOARD SCHEDULE AND SITE PLAN FOR BRANCH CIRCUITS TO SUIT ATHLETIC FIELD LIGHTING.
- UTILITY REVENUE METER BY UTILITY COMPANY, ENCLOSURE /SOCKET BY ELECTRICAL CONTRACTOR. MOUNT AND WIRE AS PER UTILITY REQUIREMENTS.
- CONTRACTOR TO PROVIDE (2) SETS 4" C, 4#350KCMIL, 1#1G.
- CONTRACTOR SHALL PROVIDE SERVICE GROUND IN ACCORDANCE WITH NEC ARTICLE 250 & UTILITY REQUIREMENTS. IF MADE ELECTRODE IS USED, INDICATE RESISTANCE READINGS.
- SIZE CONDUIT AS PER UTILITY REQUIREMENTS MINIMUM 1-1/2" CONDUIT SIZE.
- REFER TO SITE PLAN DRAWING AND PANELBOARD SCHEDULE FOR ADDITIONAL INFORMATION.
- PROVIDE (1) 20A-125V DUPLEX GROUND FAULT RECEPTACLE. COORDINATE MOUNTING LOCATION IN THE FIELD.
- PROVIDE 7-DAY MECHANICAL TIME SWITCH WITH MANUAL BYPASS EQUAL TO INTERMAIC MODEL ET8415CR AND 8-POLE, 20 AMP, 120 VOLT LIGHTING CONTACT FOR CONTROL OF RECEPTACLE AND LIGHTING CIRCUITS.
- DIGITAL CELLULAR ANTENNA (FURNISHED WITH LIGHTING CONTROL).
- ELECTRICAL COMPONENTS ENCLOSURE. (FURNISHED WITH POLE).
- SPORT LIGHTING POLE. REFER TO PERFORMANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE UNDERGROUND PVC SHED.40 CONDUIT, REFER TO SITE PLAN AND PANELBOARD SCHEDULE FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROVIDE (2) SETS (PVC SCHED. 40 UNDERGROUND AND EMT INSIDE BLDG.), 2-1/2" C, 4#3/0, 1#3 GND.
- CONTRACTOR TO PROVIDE 2-1/2" C, 4#3/0 + 1#6G.
- CONTRACTOR TO PROVIDE (2) SETS 2-1/2" C, 4#3/0, 1#6 GND.



SPORTS LIGHTING CONTROL SCHEMATIC

NOT TO SCALE

NOTES:

- COORDINATE RATINGS OF SPORTS LIGHTING CONTROLS WITH EQUIPMENT FURNISHED.
- ALL VALUES BASED ON COPPER CONDUCTORS.
- CONDUCTORS SHALL BE STRANDED COPPER. TYPICAL FOR ALL CONDUCTORS.

2
E3



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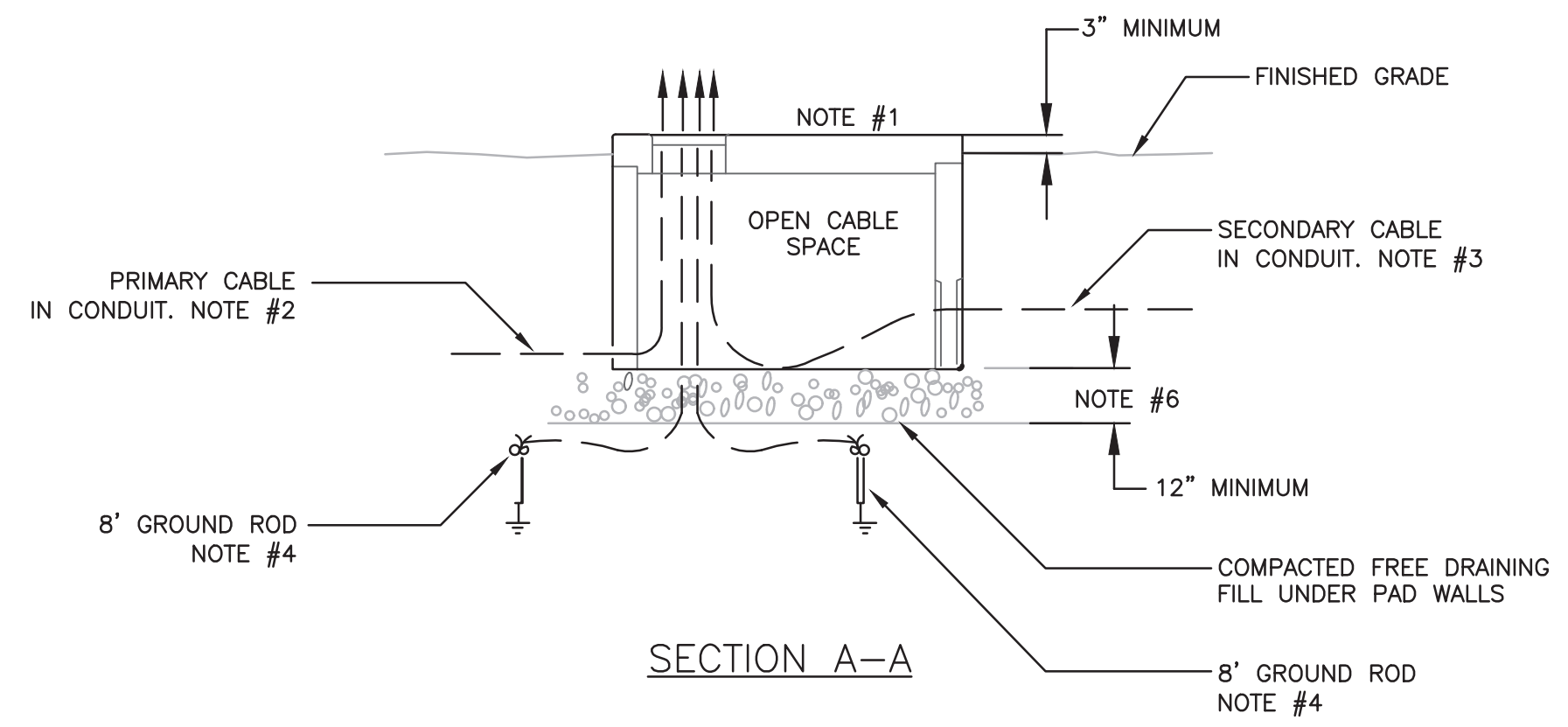
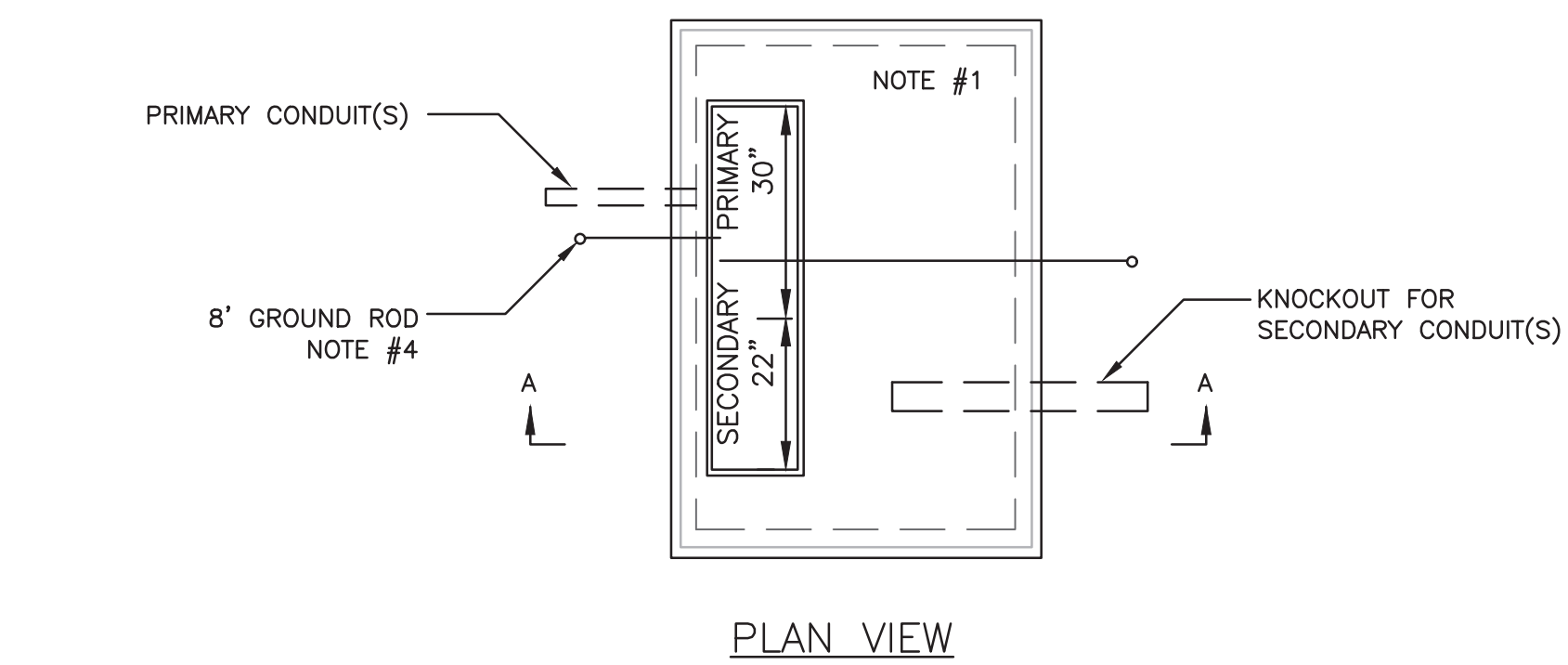
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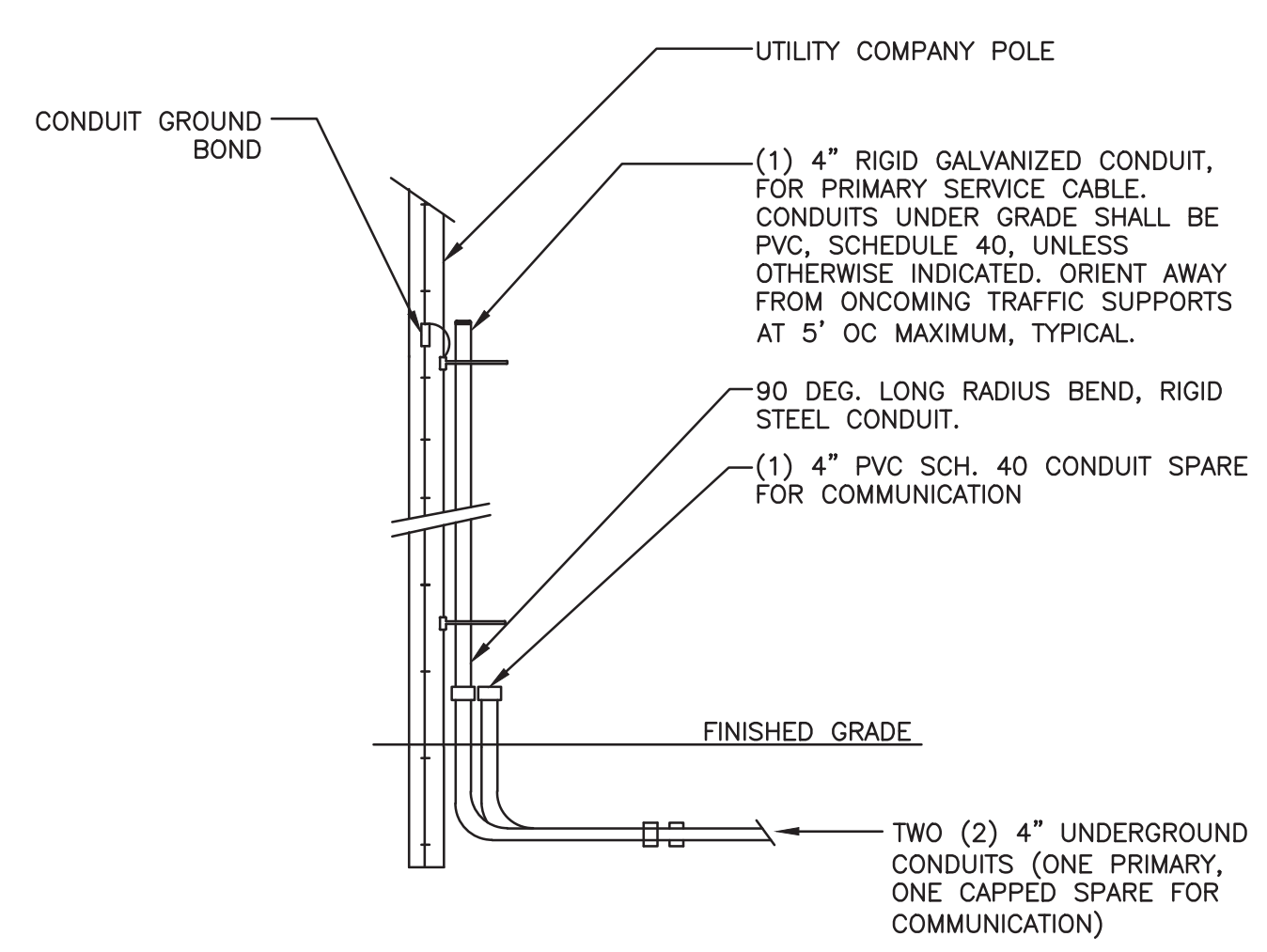
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ELECTRICAL SCHEMATIC, AND ONE LINE DIAGRAM

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E3

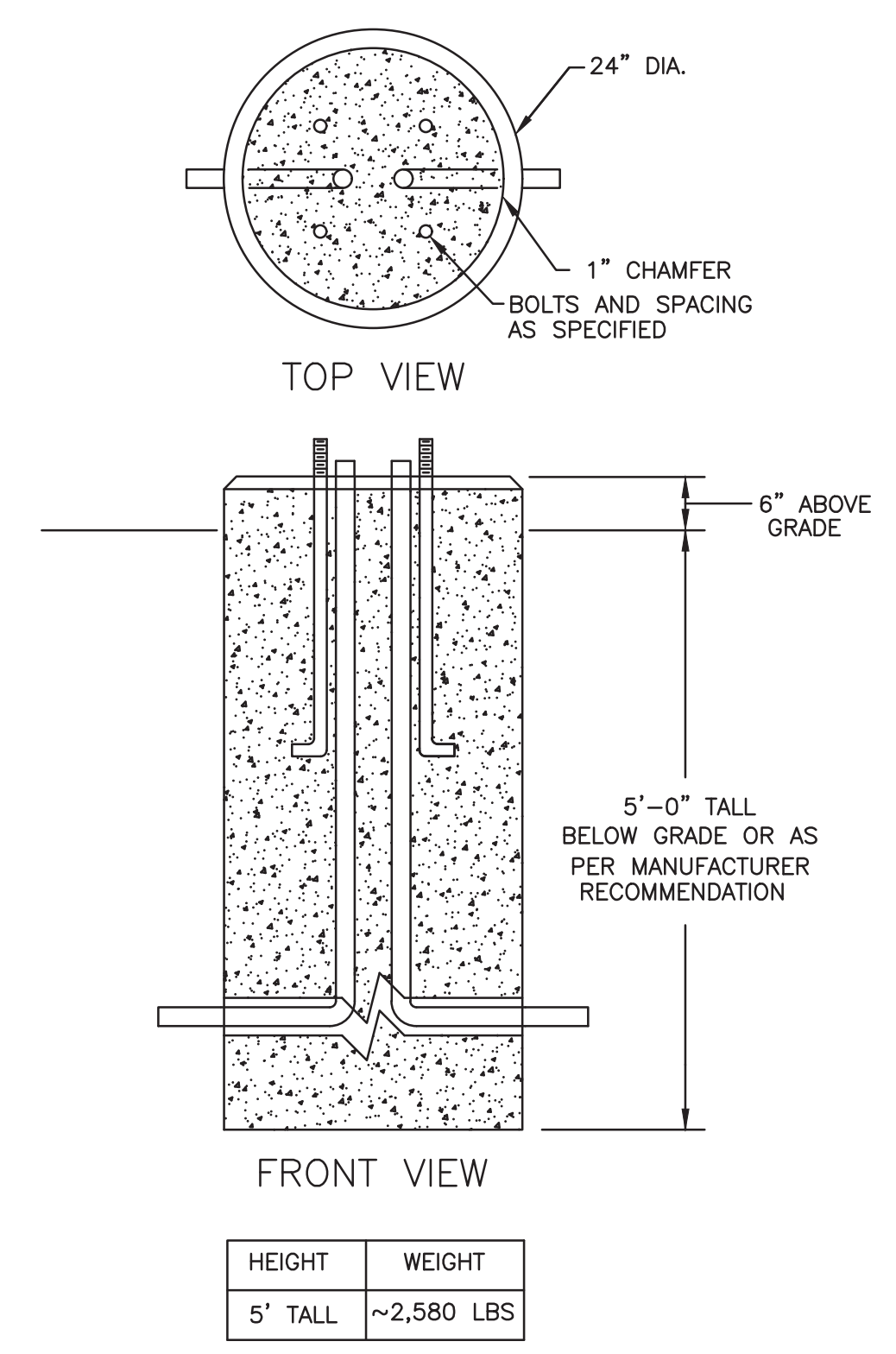


CONCRETE TRANSFORMER PAD DETAIL 1
SCALE: NONE E4

- NOTES:**
- 75-300 KVA - INSTALL 76"x54"x36" PAD AS PER SPC P-013 AND P-014
 - PRIMARY CABLE
A. INSTALL DIRECT BURIED CABLES A MINIMUM OF 30" BELOW GRADE.
B. INSTALL CABLES IN CONDUIT A MINIMUM OF 24" BELOW GRADE.
C. LOOP CABLES IN CABLE PIT BEFORE MAKING CONNECTIONS.
 - SECONDARY CABLE - LEAVE SLACK FOR FUTURE RECONNECTION TO TRANSFORMERS WITH HIGHER SECONDARY TERMINALS.
 - GALVANIZED GROUND ROD - INSTALL IN TRENCH AND CONNECT A #2 COPPER CONDUCTOR FROM ROD THROUGH PAD OPENING AND EXTENDING 5'-0" ABOVE PAD.
 - THE FOLLOWING DTR'S SHOULD ALSO BE USED:
A. DTR 42.061 - LOCATION AND MECHANICAL PROTECTION REQUIREMENTS.
B. DTR 56.509 - PRIMARY, SECONDARY AND TRANSFORMER GROUNDING.
C. DTR 17.083 - THREE PHASE TRANSFORMER CONNECTIONS
 - THE EXCAVATION FOR THE PAD SHALL BE CARRIED TO A DEPTH OF 12" BELOW THE BOTTOM OF THE PAD WALLS. THE BACKFILL UNDER THE PAD WALLS SHALL BE A CLEAN GRAVEL, FREE OF FOREIGN MATTER AND CONSTRUCTION DEBRIS, AND IN ACCORDANCE WITH CONNECTICUT DOT SPEC M.02.06 GRADING "A". BACKFILL SHALL BE PLACED IN 6" LAYERS AND COMPACTED WITH MECHANICAL TAMPERS TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD COMPACTION TESTS, AASHTO T180 OR ASTM D698.

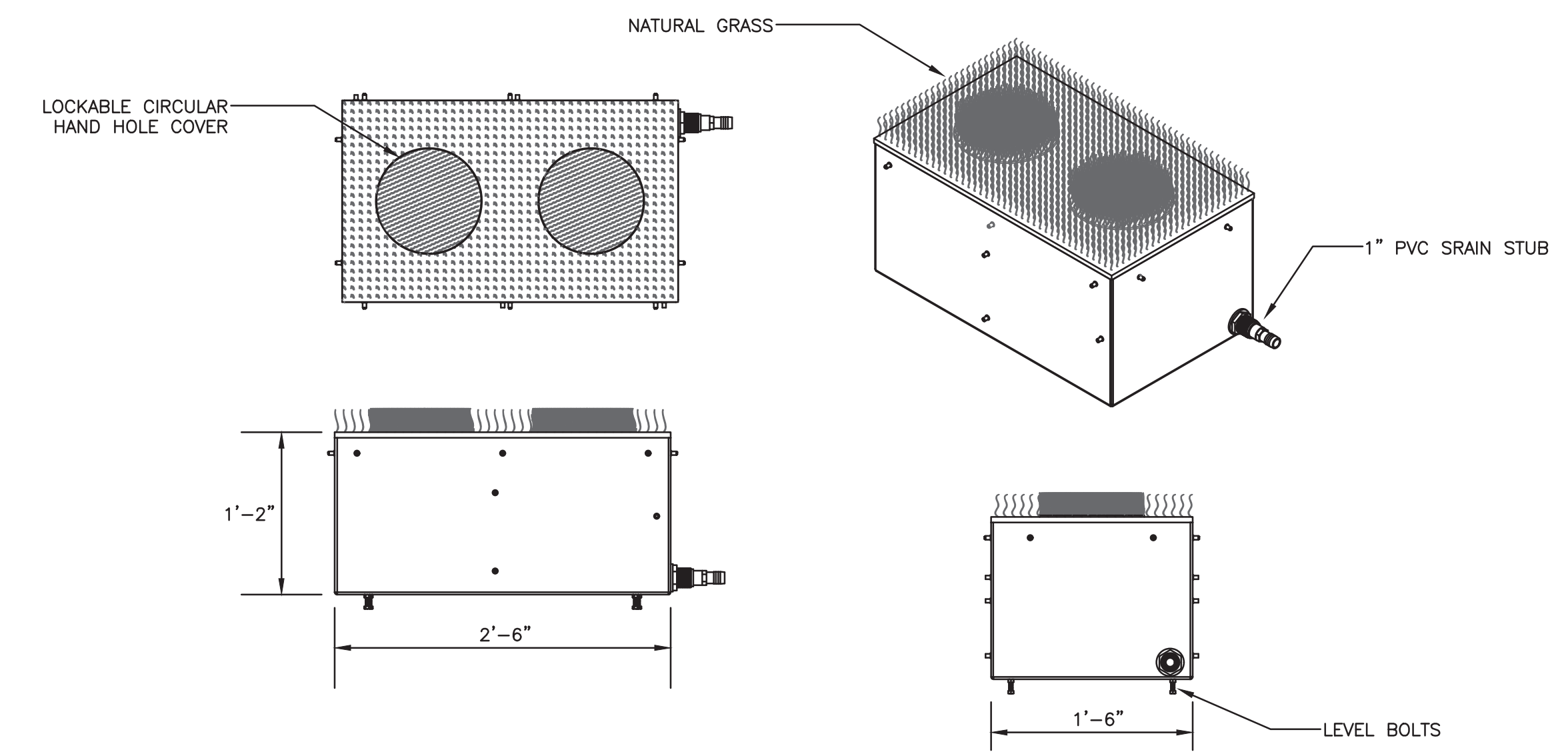


SERVICE POLE DETAILS 2
SCALE: NONE E4

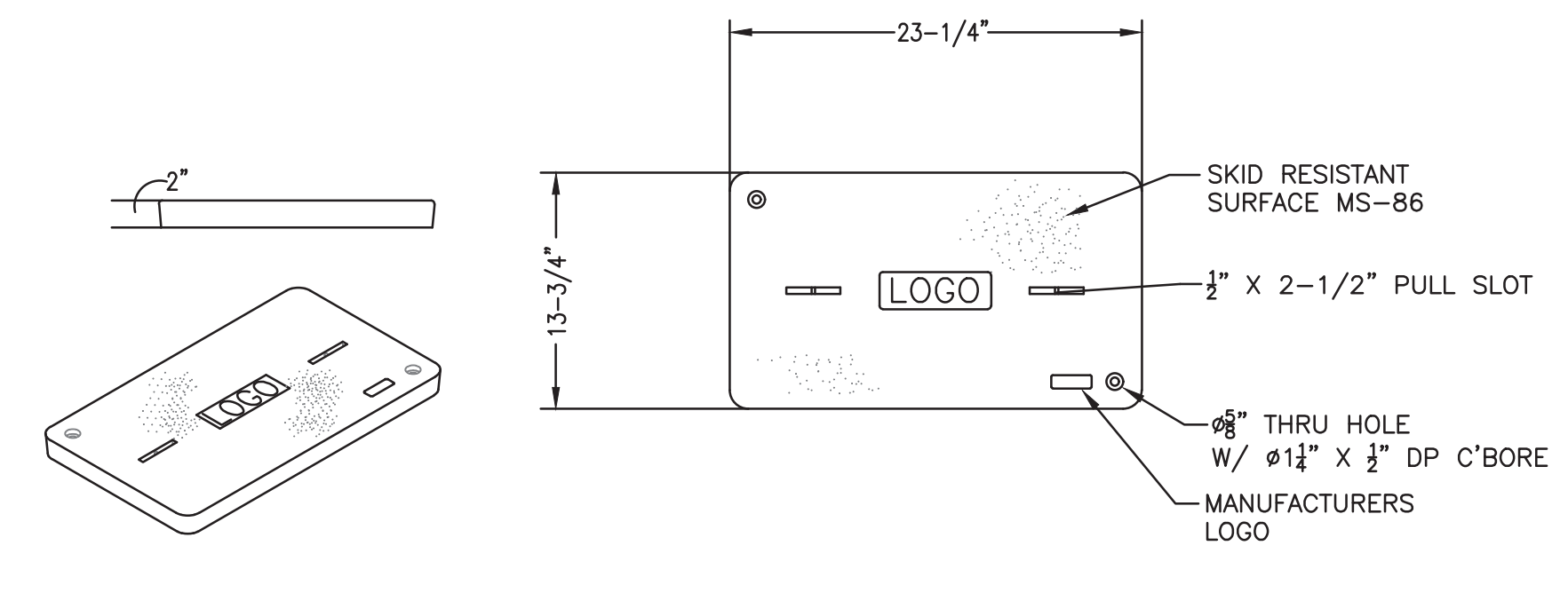


LIGHTING POLE BASE DETAIL 3
SCALE: NONE E4

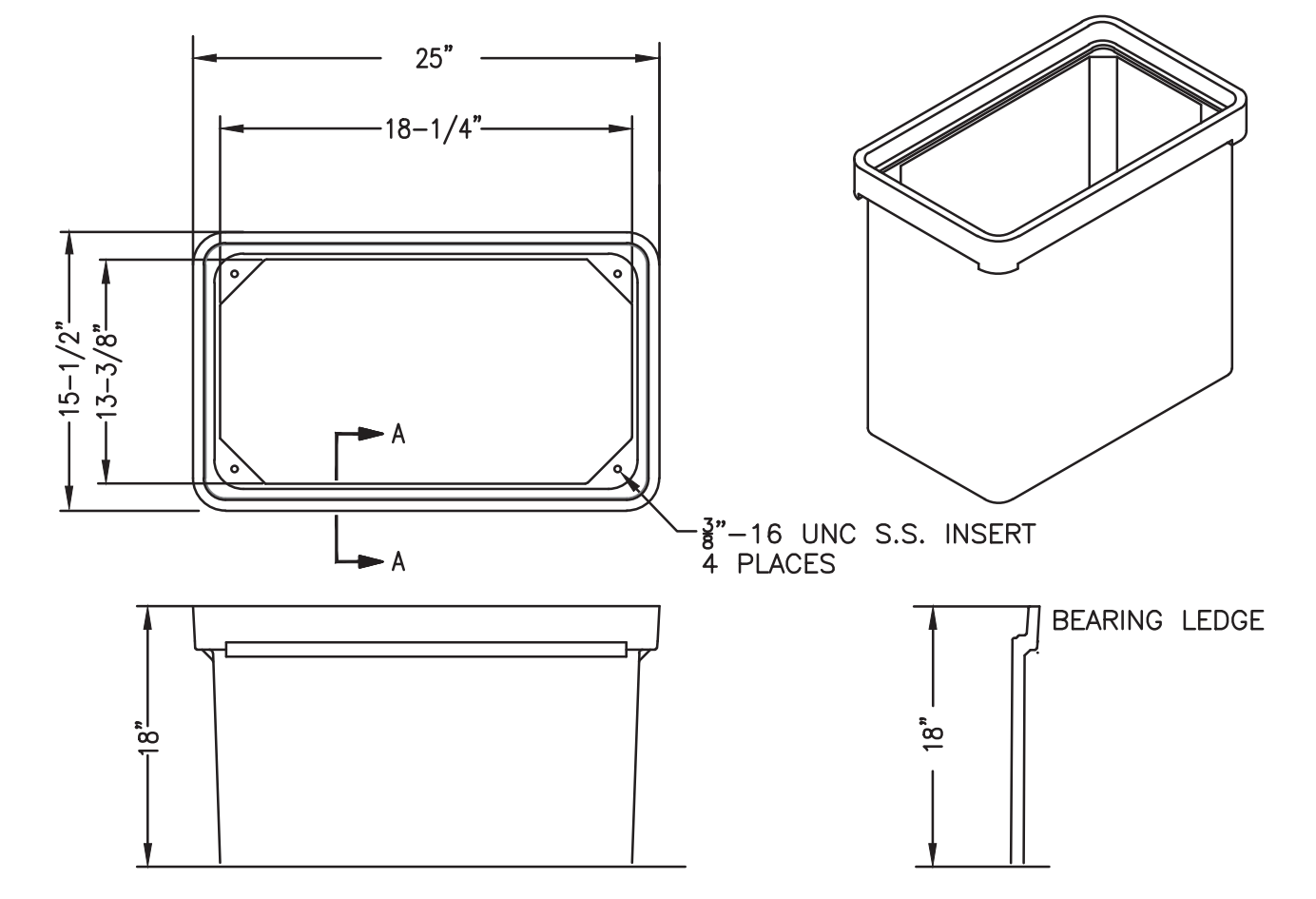
- DESIGN NOTES:**
- CONCRETE 4000 PSI AT 28 DAYS.
 - REINFORCING IS AS SPECIFIED. (TYP. 4 - #5) VERTICALLY AND #3 STIRRUPS 12" O.C. HORIZONTALLY)
 - ANCHOR BOLTS AND GROUNDING AS SPECIFIED.
 - BALLAST POURED AROUND BASE IF REQUIRED.
 - BOLT PROJECTION AS SPECIFIED BY POLE MANUFACTURER.



IN-GROUND COMBOX DETAIL 4
NOT TO SCALE E4



JUNCTION/PULL BOX COVER DETAIL
NOT TO SCALE



IN-GROUND JUNCTION/PULL BOX DETAIL 5
NOT TO SCALE E4

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ATHLETIC FIELD LIGHTING POLE CONCRETE BASE DETAILS
Sheet Number:

E6

POLE FOUNDATION SCHEDULE

POLE DESIGNATION	FOOTING			PIER			
	SIZE	THICKNESS	REINFORCEMENT TOP & BOTTOM (TOTAL) QUANTITY - SIZE	DIAMETER INCHES	CORE DIA INCHES (1)	VERTICAL REINFORCING	HORIZONTAL TIES
F1 - F4	10'-0" x 10'-0"	2'-0"	(40) 10 - #7's EACH WAY	48	41	18 - #7	#4 @ 12"

1 CORE DIAMETER EQUAL TO INSIDE DIAMETER OF TIES.

DESIGN NOTES

DESIGN PARAMETERS:
WIND V = 120 MPH, V₅₀ = 93 MPH (EXPOSURE C, RISK CATEGORY II) PER CONNECTICUT STATE BUILDING CODE, 2022 EDITION (IBC 2021 / ASCE 7-16)

GEOTECHNICAL PARAMETERS:
ALLOWABLE END BEARING SOIL PRESSURE 5,000 PSF IN ACCORDANCE WITH THE 2022 EDITION OF THE CONNECTICUT STATE BUILDING CODE, CHAPTER 18.

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE REFERENCE GEOTECHNICAL ENGINEERING REPORT (1/18/2022), PROJECT NO. ENG22-0258, BY WESTON & SAMPSON, ROCKY HILL, CT.

A GEOTECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT.

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

GENERAL NOTES
FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING

PRECAST BASE ID FOR SPREAD FOOTING

PRECAST BASE TYPE	PRECAST BASE WEIGHT (1.)	PRECAST BASE LENGTH (1.)	PROJECTION ABOVE TOP OF PIER	STANDARD EMBEDMENT (1.)	OUTSIDE DIAMETER	CUT LENGTH OFF BOTTOM (2.)	EMBEDMENT INTO PIER & FOOTING (3.)
5B	4,580 LBS	23'-11"	7'-11"	16'-0"	18.25"	10'-0"	6'-0"

- 1 PRECAST BASE WEIGHT, LENGTH AND STANDARD EMBEDMENT ARE PRECUT PROPERTIES
- 2 EPOXY COAT NEW BOTTOM SURFACE OF PRECAST BASE AFTER CUTTING
- 3 EMBEDMENT EQUALS 4'-6" PIER HEIGHT PLUS 1'-6" DEPTH INTO FOOTING

POLE IDENTIFICATION AND RESULTANT FORCES

POLE DESIGNATION	POLE TYPE	PRECAST BASE TYPE	FIXTURE CONFIGURATION (FIX. PER XARM)	FIXTURE AND ACCESSORIES EPA (FT²)	FORCES (1.)		
					MOMENT (M) FT-LBS	SHEAR (V) LBS	VERTICAL (P) LBS
F1 - F4	LSS80B	5B	9 (7)	25.7	117,277	2,294	3,354

1. ASD LOAD COMBINATION D + 0.6W. VERTICAL FORCE IS WEIGHT OF DRESSED POLE.
2. POLES F1 - F4 HAVE (2) MUSCO LED FIXTURES AT 15'-6" AGL INCLUDED ABOVE.

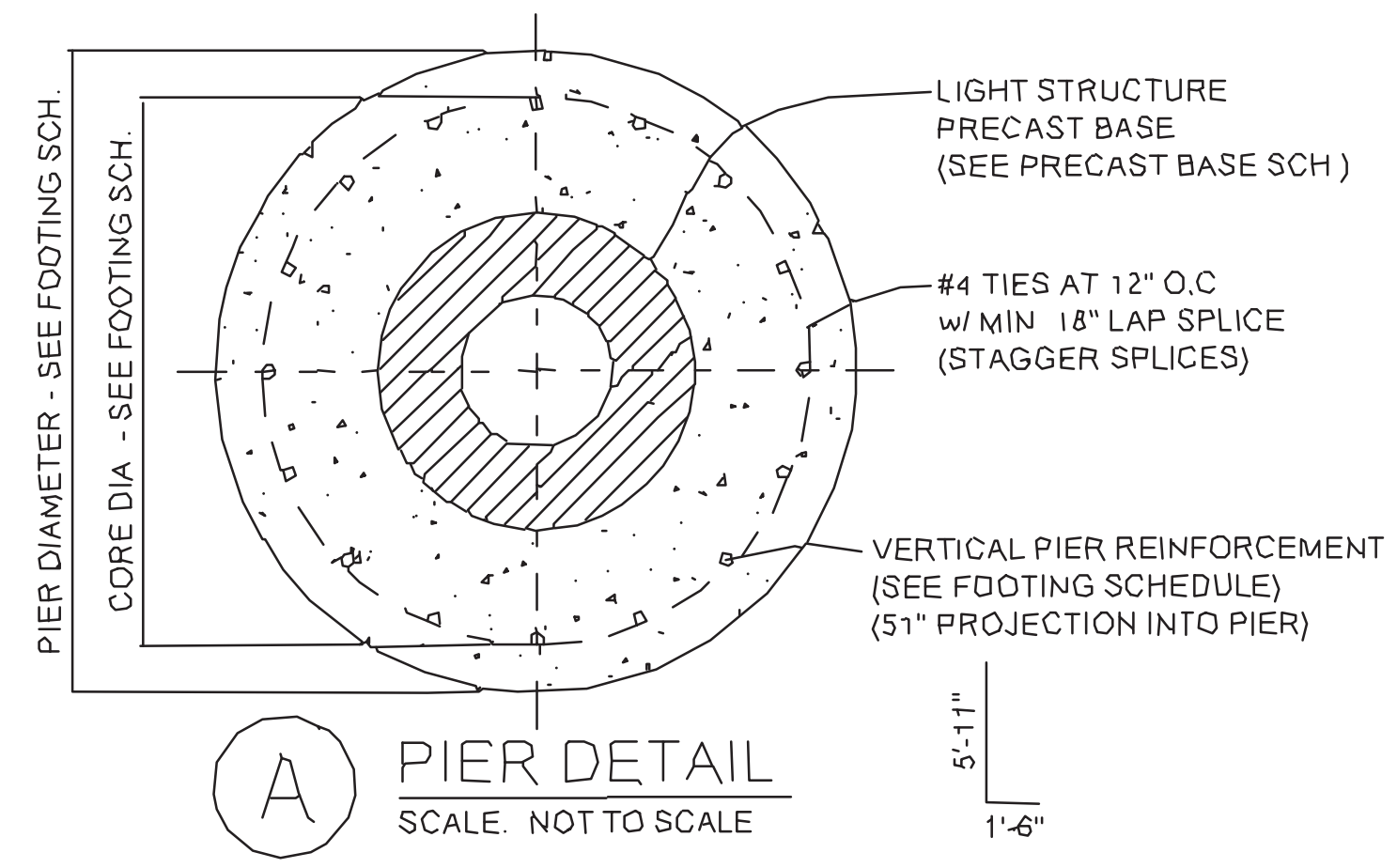
CONCRETE/REINFORCEMENT NOTES

CONCRETE SHALL COMPLY WITH THE FOLLOWING ASTM STANDARDS MIXTURE WITH ASTM C-94, PORTLAND CEMENT WITH ASTM C-150 TYPE I, AGGREGATES (MAX 0.75") WITH ASTM C-33 AND BE IN CONFORMANCE WITH ACI 318. CONCRETE SHALL BE AIR-ENTRAINED (COMPLY WITH ASTM C-260), HAVE A MAXIMUM WATER-CEMENT RATIO, w/c_m = 0.45 AND HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,500 PSI.

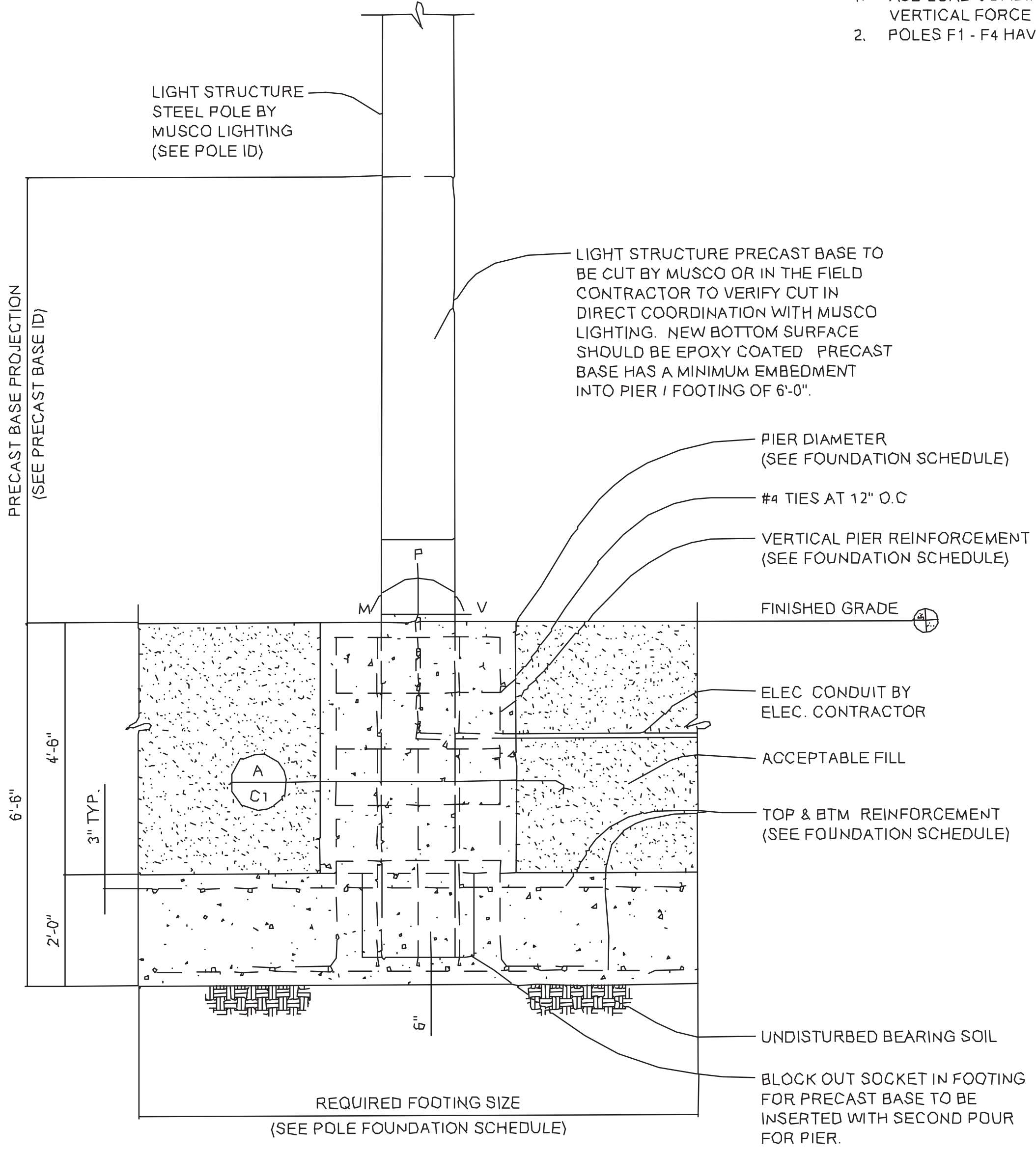
DESIGN SLUMP LIMITS ARE 4" MINIMUM AND 6" MAXIMUM. THE JOB SITE SLUMP MAY BE INCREASED BY THE USE OF A WATER REDUCING AGENT MEETING ASTM C494-92.

CONCRETE REINFORCEMENT SHALL COMPLY WITH ASTM A615 GRADE 60 AND BE IN CONFORMANCE WITH ACI 315 & 318.

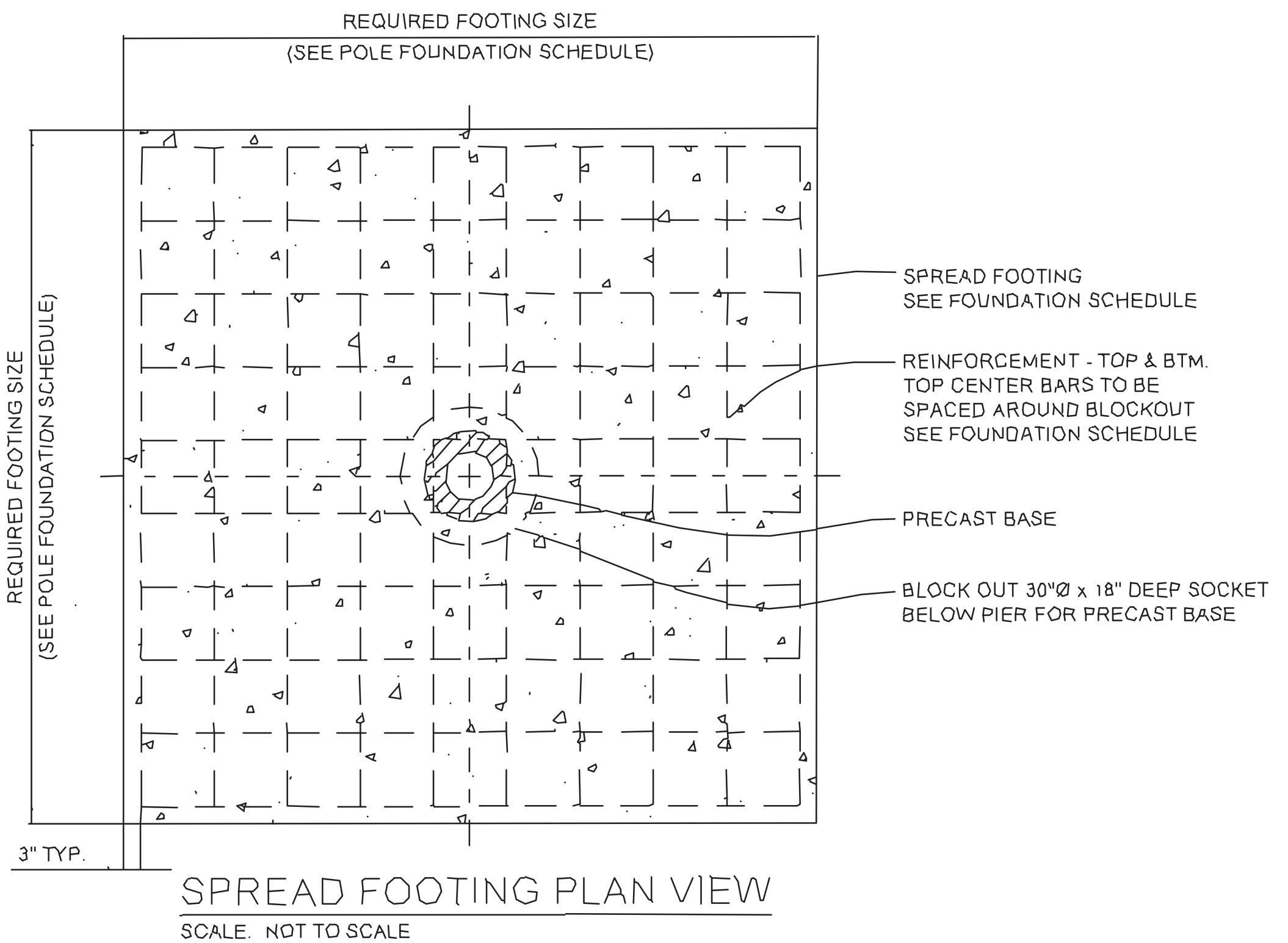
CONCRETE MUST ATTAIN DESIGN STRENGTH PRIOR TO POLE INSTALLATION AND FIXTURE MOUNTING.



A PIER DETAIL
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










POLE FOUNDATION ELEVATION
SCALE: NOT TO SCALE



SPREAD FOOTING PLAN VIEW
SCALE: NOT TO SCALE

ELECTRICAL LEGEND

	ELECTRICAL PANEL, 120/208 VOLT.
	IN-GROUND PULL BOX.
	UTILITY PAD MOUNTED TRANSFORMER.
	UTILITY REVENUE METER.
	TIME CLOCK.
	IN-GROUND COMBOX.
	DUPLEX RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED.
	DUPLEX GROUND FAULT RECEPTACLE; MOUNT AT 18" AFF UNLESS OTHERWISE SPECIFIED.
	POWER RECEPTACLE; MOUNT HIGH AS INDICATED ON FLOOR PLAN.
	DUPLEX RECEPTACLE WITH WEATHERPROOF COVER.
	BRANCH CIRCUIT HOMERUN.
	MULTIPLE BRANCH CIRCUIT HOMERUN.
	NEW UNDERGROUND ELECTRICAL CONDUIT. (UNDERGROUND IN SITE PLAN, SWITCHING CIRCUIT IN FLOOR PLAN)

GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR A COMPLETE, FULLY OPERABLE INSTALLATION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST APPROVED ISSUE OF THE NEC AND APPLICABLE LOCAL CODES.
2. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO ASCERTAIN FIELD CONDITIONS AS THEY EXIST AND JUDGE THEIR EFFECT ON THE WORK TO BE DONE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO VISIT THE JOB SITE AND MAKE THIS DETERMINATION.
3. THE DRAWINGS SHOW THE GENERAL LAYOUT AND SOME OF THE DETAIL, BUT THEY DO NOT SHOW EVERY FITTING, BEND, ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SUCH MATERIALS TO MAKE A COMPLETE INSTALLATION.
4. DO NOT SCALE DRAWINGS; ACTUAL FIELD MEASUREMENTS AND DIMENSIONS TAKE PRECEDENCE IN ALL CASES.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT 201, LATEST EDITION.
6. ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
7. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL PHASES OF THE WORK AND TO DEMONSTRATE TO OWNER THAT THE EQUIPMENT IS IN FULL OPERATING ORDER.
8. ELECTRICAL CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO THEIR ORIGINAL CONDITION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, CLEAN-UP, ELECTRICAL DEBRIS REMOVAL AND GENERAL COORDINATION OF THE WORK EFFORT AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL ITEMS OF WORK.
9. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
10. THE SCOPE OF WORK IS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
11. ALL THE WIRE SIZES ARE BASED ON COPPER, ALUMINUM IS NOT TO BE USED.
12. ALL WIRING METHODS ARE TO BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES. ALL WIRING IS TO BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WIRING IS TO BE CONCEALED.
13. PROVIDE INDEPENDENT SEISMIC SUPPORT OF ALL ELECTRICAL EQUIPMENT PER INTERNATIONAL BUILDING CODE.
14. ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS AND PAY FOR ALL REQUIRED FEES, INCLUDING ALL UTILITY FEES.
15. ELECTRICAL CONTRACTOR SHALL WARRANT AND GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
16. ELECTRICAL CONTRACTOR SHALL PROVIDE PROOF OF LIABILITY AND PROPERTY INSURANCE TO THE OWNER, ALL DEDUCTIBLES SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR IN THE EVENT OF A CLAIM.
17. PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITION MUST BE ALLOWED. EVERY CARE MUST BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP IS TO BE DONE ON A DAILY BASIS. ELECTRICAL CONTRACTOR TO REMOVE AND DISPOSE OF REFUSE FROM SITE.
18. ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL PANELS, SWITCHES, RECEPTACLES, ... ETC.
19. COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH CIVIL PLANS, MAKE FIELD ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS, VERIFY WITH OWNER.
20. ELECTRICAL CONTRACTOR TO COORDINATE WITH CONTRACTOR FOR ITEMS SUPPLIED BY THE OTHER DIVISIONS BUT INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO REVIEW ALL THE SITE FOR THE PROJECT FOR ELECTRICAL WORK.
21. ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT POWER NEEDS WITH THE ACTUAL SHOP DRAWINGS FOR THE EQUIPMENT TO BE USED, PRIOR TO STARTING ANY ELECTRICAL WORK.
22. SPECIFICATION SECTIONS, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS AND DRAWINGS ARE INTEGRAL PARTS OF CONTRACT DOCUMENTS.
23. PROVIDE LAMICOID NAMEPLATES FOR ALL ELECTRICAL DISTRIBUTION PANELS AND DISCONNECT EQUIPMENT.
24. SHARED NEUTRALS ARE NOT TO BE USED. PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.
25. PRIOR TO SUBMISSION OF BIDS GIVE WRITTEN NOTICE TO ENGINEER OF ANY MATERIAL OR APPARATUS THAT IS INADEQUATE, UNSUITABLE FOR THE USE, IN VIOLATION OF LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION OR ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR AFFIRMS THAT ABSENT SUCH NOTICE, ALL SYSTEMS WILL FUNCTION SATISFACTORILY WITHOUT ADDITIONAL EXTRA COMPENSATION.
26. ALL PART NUMBERS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THEY ARE NOT TO BE CONSIDERED THE COMPLETE SPECIFICATION OF THE PRODUCT. THE PART NUMBER AND DESCRIPTION WILL BE THE COMPLETE SPECIFICATION. IN THE EVENT OF A DISCREPANCY BETWEEN THE TWO, THE MORE STRINGENT, MORE COSTLY FEATURE/PREPERFORMANCE WILL BE REQUIRED.
27. RISER DIAGRAMS ARE PROVIDED TO SHOW DIAGRAMMATIC GENERAL WIRING REQUIREMENTS. WIRING IS TO BE PROVIDED FOR THE PARTICULAR VENDOR/SYSTEM APPROVED FOR THE PROJECT. ALL WIRING IS TO BE CONCEALED.
28. NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS POWER WIRING.
29. FURNISH & INSTALL GFCI RECEPTACLES IN ALL WET LOCATIONS.
30. PROVIDE DRAG LINES IN ALL EMPTY RACEWAYS.
31. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE CIRCUITS EVENLY ON ALL PHASES.
32. CONTRACTOR TO PROVIDE ALL COORDINATION FOR UTILITY SERVICES FOR THE PROJECT. THIS INCLUDES POWER UTILITY.
33. ELECTRICAL CONTRACTOR SHALL PAY ANY ADDITIONAL COST FOR THE UTILITY WORK ASSOCIATED WITH THE PROJECT.
34. MINIMUM CONDUCTOR SIZE, UNLESS OTHERWISE NOTED SHALL BE #12 FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 100 FEET, #10; OVER 150 FEET, #8; INCREASE CONDUIT SIZE TO SUIT.
35. ELECTRICAL CONTRACTOR TO VERIFY LOADS, SETTINGS, OVERCURRENT PROTECTION... ETC TO INSURE COMPATIBILITY OF EQUIPMENT.
36. REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
37. LOCATION SHOWN ON DRAWINGS IS DIAGRAMMATIC AND NOT INTENDED TO DETERMINE EXACT LOCATION. CONTACT ENGINEER TO REVIEW FINAL LOCATIONS PRIOR TO INSTALLATION. FAILURE TO DO SO MAY RESULT IN REQUIREMENT TO RELOCATE.
38. ALL INSTALLATIONS ON NEW WALLS SHALL BE FULLY RECESSED. INSTALLATIONS ON EXISTING MASONRY WALLS SHALL BE RUN WITH SURFACE RACEWAY PAINTED TO MATCH WALL FINISH AND SURFACE BOXES.

Project:

TOWN OF CHESHIRE



BARTLEM PARK SOUTH - PHASE I

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