

JACKSON COUNTY SPLASH PAD

BID SET



PREPARED FOR:



CLIENT/OWNER:
Jackson County Parks &
Recreation 88 Cullhowee Mtn
Rd
Sylva, NC 28779
(828) 293-3053

PREPARED BY:



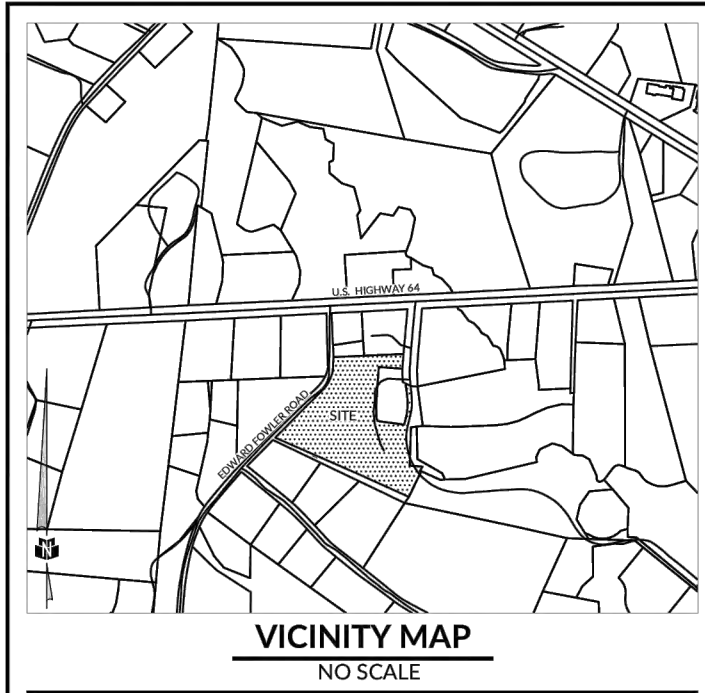
LANDSCAPE ARCHITECT:
Equinox
14 O'Henry Avenue, Suite 206
Asheville, NC 28801
(828) 253-6856 (x202)
david@equinoxenvironmental.com

PROJECT INFORMATION:

ADDRESS:
42 Community Pl.
Cashiers, NC 28717
Latitude: 35.112748° N
Longitude: -83.107274° W

PROJECT SIZE:
Approximately 2.5 Ac Total
Disturbance area is 2.5 Ac

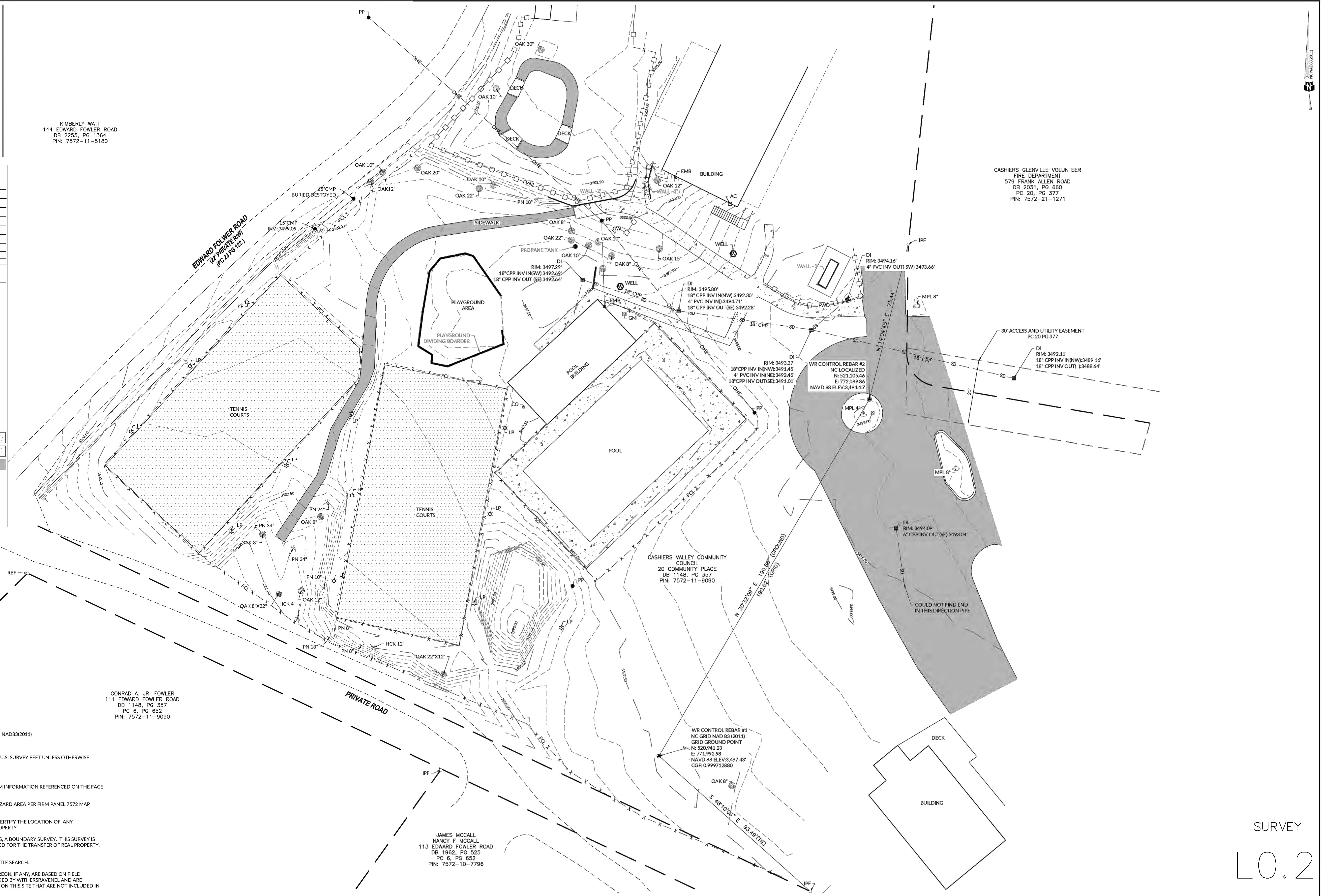
All aspects of work shall be performed in accordance with all applicable local, state, and federal regulations pertaining to worker safety.



KIMBERLY WATT
144 EDWARD FOWLER ROAD
DB 2255, PG 1364
PIN: 7572-11-5180

LEGEND (UNLESS OTHERWISE NOTED)

ADJOINER	---
BOUNDARY	---
BUILDING	---
CENTERLINE	---
CONCRETE	---
EASEMENT	---
FENCE CHAIN LINK	-X-X-X-
FENCE WOODEN	-□-□-□-
GRAVEL	---
MAJOR CONTOUR	---
MINOR CONTOUR	---
OVERHEAD ELECTRIC	-OHE-
STORM WATER LINE	-SD-
AIR CONDITIONER	AC
CALCULATED POINT	●
CATCH BASIN	●
CLEANOUT	●
ELECTRIC METER BOX	EMB
DROP INLET	DI
CORRUGATED METAL PIPE	CMP
GAS METER	GM
GUY WIRE	---
IRON PIPE FOUND	IPF
LIGHT POLE	●
POWER POLE	●
REBAR FOUND	RBF
SIGN	●
WELL	●
WR CONTROL POINT	●
TENNIS COURT	---
CONCRETE	---
ASPHALT	---
HICKORY	HCK
MAPLE	MPL
OAK	○
PINE	PN



CASHIERS GLENVILLE VOLUNTEER
FIRE DEPARTMENT
579 FRANK ALLEN ROAD
DB 2031, PG 660
PC 20, PG 377
PIN: 7572-21-1271

CONRAD A. JR. FOWLER
111 EDWARD FOWLER ROAD
DB 1148, PG 357
PC 6, PG 652
PIN: 7572-11-9090

JAMES MCCALL
NANCY F MCCALL
113 EDWARD FOWLER ROAD
DB 1962, PG 525
PC 6, PG 652
PIN: 7572-10-7796

- GENERAL NOTES**
1. PREPARED FOR CASHIERS VALLEY COMMUNITY COUNCIL
 2. BASIS OF BEARINGS: NC STATE PLANE GRID COORDINATES, NAD83(2011)
 3. VERTICAL CONTROL BASED ON NAVD'88
 4. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
 5. CONTOUR INTERVAL IS HALF OF A FOOT (0.50')
 6. LINES NOT SURVEYED ARE SHOWN AS BROKEN LINES FROM INFORMATION REFERENCED ON THE FACE OF THIS PLAN.
 7. THIS PROPERTY LIES IN ZONE X, NOT A SPECIAL FLOOD HAZARD AREA PER FIRM PANEL 7572 MAP NUMBER 3700757200. EFFECTIVE DATE 4/19/2010
 8. THIS SURVEY DOES NOT VERIFY THE EXISTENCE OF, NOR CERTIFY THE LOCATION OF, ANY JURISDICTIONAL WETLANDS THAT MAY EXIST ON THIS PROPERTY
 9. THIS SURVEY IS NOT, AND SHOULD NOT BE CONSTRUED AS, A BOUNDARY SURVEY. THIS SURVEY IS FOR PLANNING PURPOSES ONLY AND SHOULD NOT BE USED FOR THE TRANSFER OF REAL PROPERTY. THIS MAP IS NOT SUITABLE FOR RECORDING.
 10. THIS SURVEY WAS COMPLETED WITHOUT BENEFIT OF A TITLE SEARCH.
 11. THE LOCATION OF SUB SURFACE UTILITIES AS SHOWN HEREON, IF ANY, ARE BASED ON FIELD LOCATION OF SURFACE FEATURES AND MARKINGS PROVIDED BY WITHERSRAVENEL AND ARE APPROXIMATE. OTHER SUB SURFACE UTILITIES MAY EXIST ON THIS SITE THAT ARE NOT INCLUDED IN THIS SURVEY.

1. CLASS OF SURVEY:	<u>CLASS A</u>
2. POSITIONAL ACCURACY:	<u>0.10'</u>
3. TYPE OF GPS FIELD PROCEDURE:	<u>REDUNDANT VRS OBSERVATIONS</u>
4. DATES OF SURVEY:	<u>12/21/2022</u>
5. DATUM/EPOCH:	<u>NAD83_2011</u>
6. PUBLISHED/FIXED-CONTROL USE:	<u>NCVRS_NETWORK</u>
7. GEOID MODEL:	<u>18</u>
8. COMBINED GRID FACTORS:	<u>0.999712880</u>
9. UNITS:	<u>US SURVEY FEET</u>

SURVEYOR'S CERTIFICATE

I, MARSHALL G. WIGHT, PLS, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS TOPOGRAPHIC SURVEY WAS PERFORMED AT THE 95 PERCENT CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS FOR A TOPOGRAPHIC/PLANIMETRIC SURVEY TO THE ACCURACY OF CLASS A AND VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS C STANDARD, AND THAT THE ORIGINAL DATA WAS OBTAINED ON 12/21/2022 THAT THE SURVEY WAS COMPLETED ON 12/21/2022 THAT THE CONTOURS SHOWN AS BROKEN LINES MAY NOT MEET THE STATED STANDARD; AND ALL COORDINATES ARE BASED ON NAD83(2011) AND ALL ELEVATIONS ARE BASED ON NAVD88.

THIS 14TH DAY OF JULY, A.D. 2023 7/14/2023

DocuSigned by:
Marshall Wight
PROFESSIONAL LAND SURVEYOR
LICENSE NUMBER: L-5034



**TOPOGRAPHIC SURVEY FOR
CASHIERS RECREATION SITE**

PROPERTY OF
CASHIERS VALLEY COMMUNITY COUNCIL

20 COMMUNITY COUNCIL
CASHIERS TOWNSHIP | JACKSON COUNTY | NC
P.I.N. 7572-11-9090
ZONING: N/A

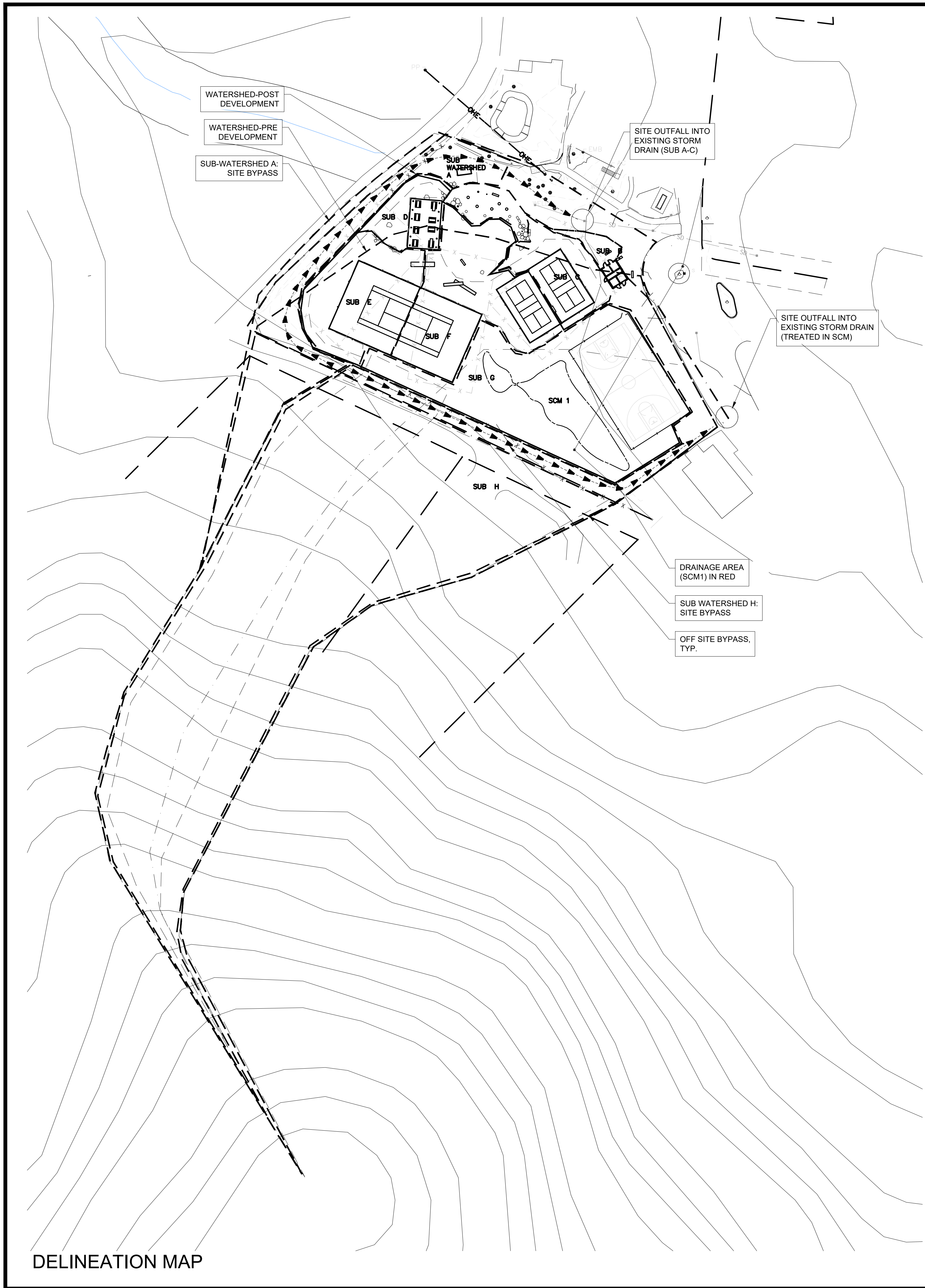
WR Job No: 08-22-1054
DATE: 12/21/2022
SURVEYED BY: PD
DRAWN BY: MGW
CHECK & CLOSURE BY: MGW

0 10 20
SCALE: 1 inch = 20 ft.

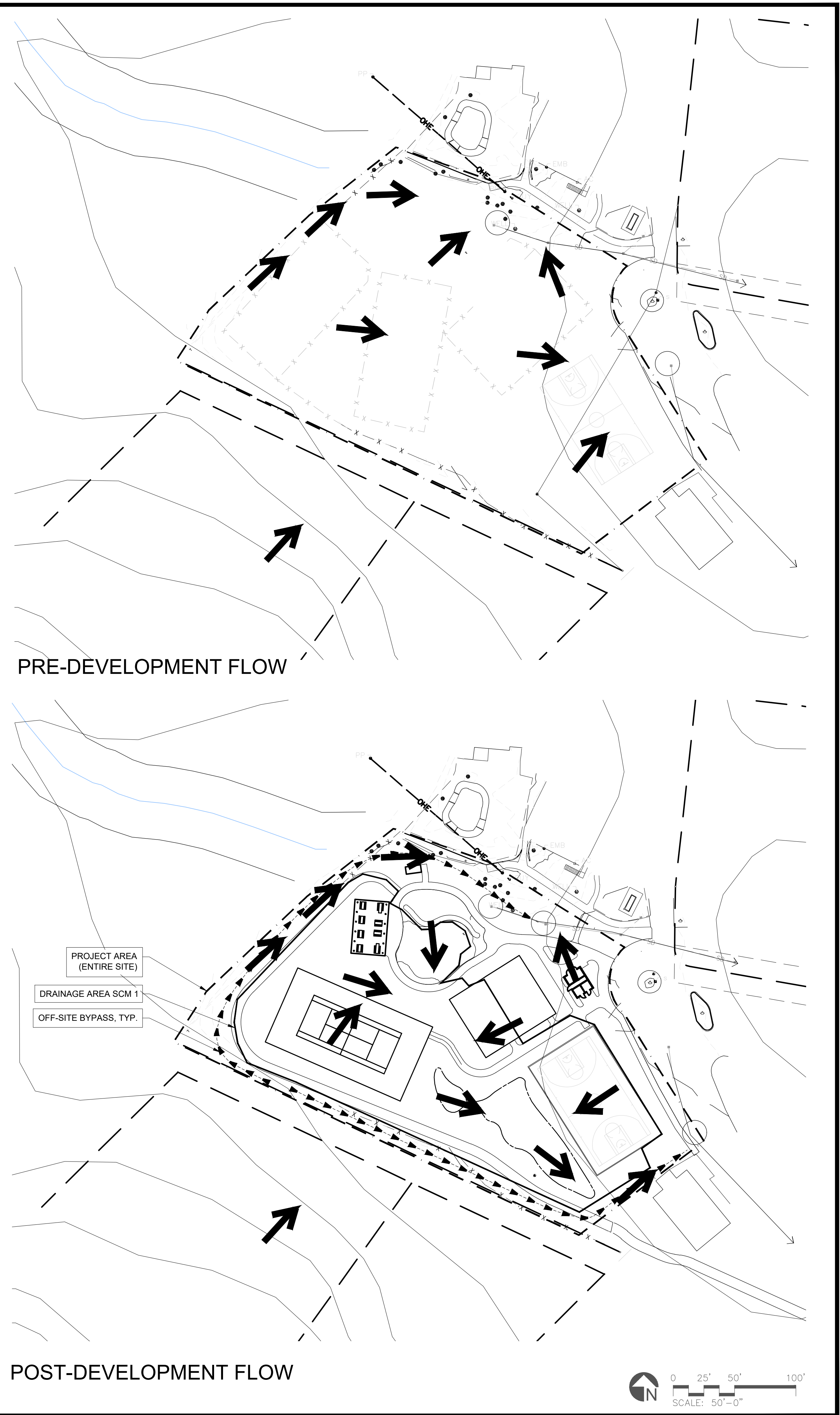
SHEET: 1 OF 1

WithersRavenel
115 MacKeanan Drive | Cary, NC 27511
License #: F-1479 | t: 919.469.3340 | www.withersravenel.com

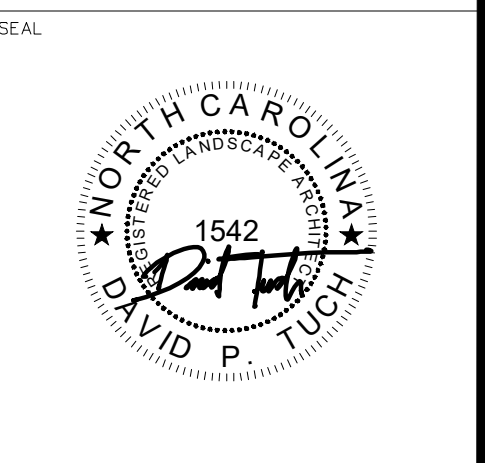
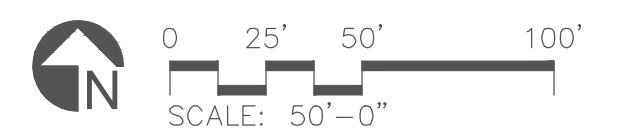
SURVEY
L0.2



DELINEATION MAP



POST-DEVELOPMENT FLOW



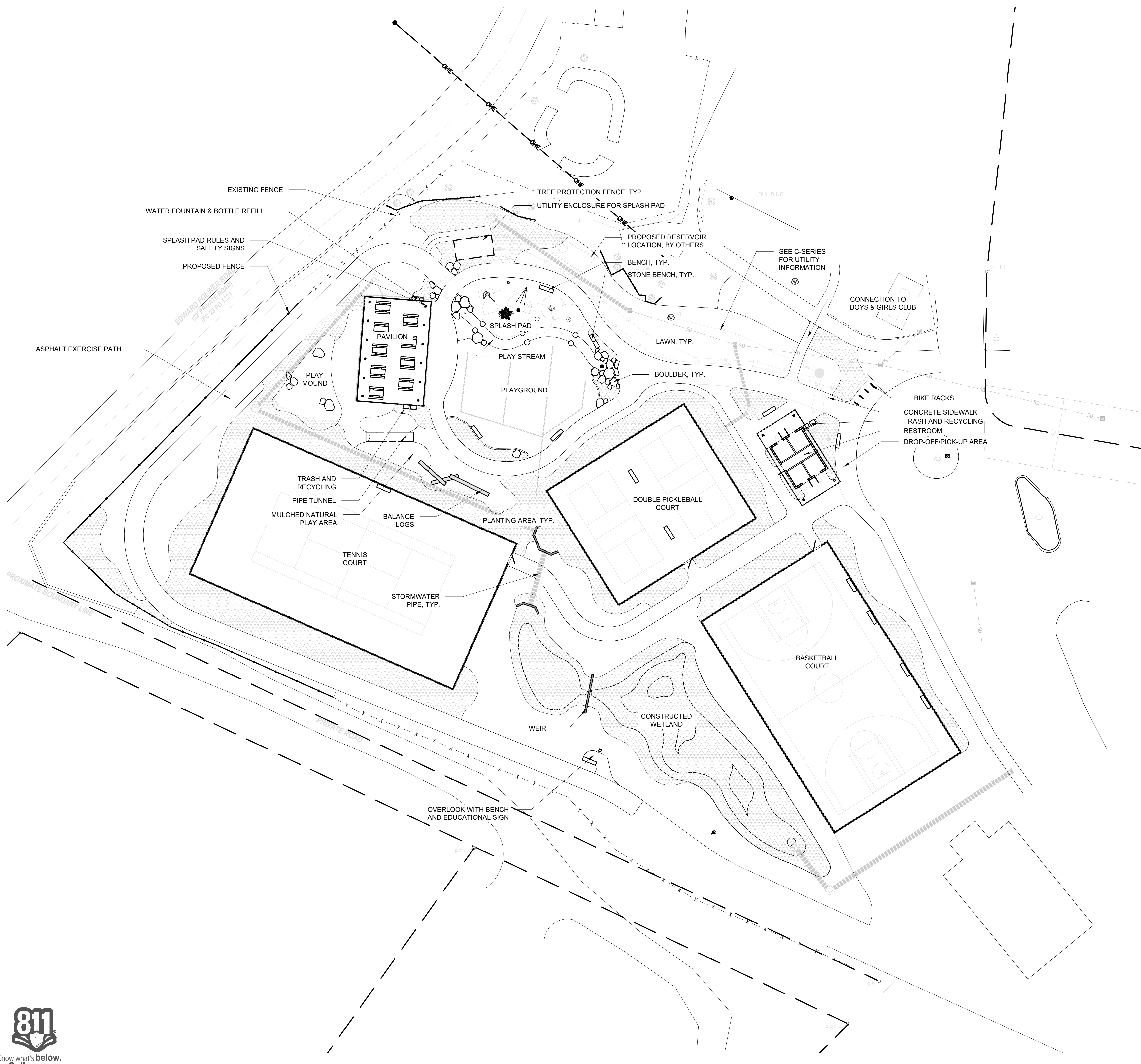
DESIGN BY:	DRAWN BY:	CHECKED BY:
DATE		
REVISIONS		

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JACKSON COUNTY SPLASH PAD
42 Community Pl.
Cashiers, NC 28717

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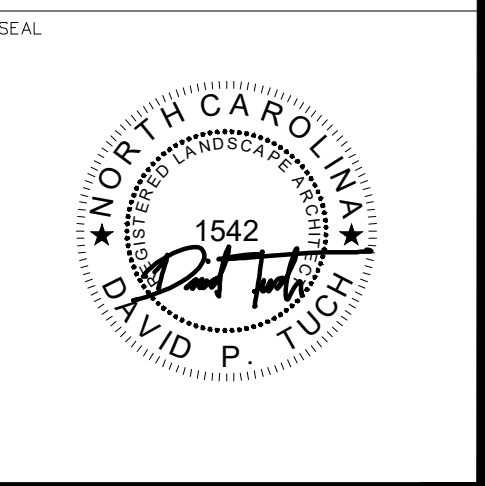
PHASE	BID SET
DATE	August 21, 2024
DRAWING SCALE	AS SHOWN
DRAWING NAME	DRAINAGE EXHIBIT

L0.3



- LEGEND
- MAJOR TOPOGRAPHY
 - MINOR TOPOGRAPHY
 - PROPERTY BOUNDARY
 - x-x-x- EXISTING FENCE
 - - - EXISTING FENCE
 - - - UTILITY EASEMENT
 - OHE- OVERHEAD UTILITIES
 - UTILITY POLE
 - ⊕ WELL LOCATION
 - ⊕ UTILITY POLE
 - DROP INLET
 - STORM SEWER
 - ⊕ MAPLE TREE
 - ⊕ OAK TREE
 - * PINE TREE

NOTE: NO WETLANDS EXIST IN THE PROJECT AREA.
 JASON SEICKEL, LANDSCAPE ARCHITECT.



DESIGN BY:	DRAWN BY:	CHECKED BY:
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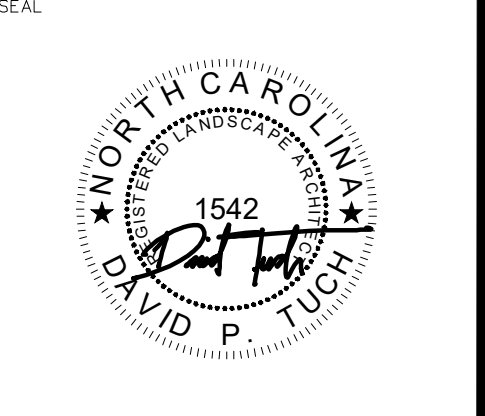
DRAWING SCALE
AS SHOWN
NOTE: If this drawing is not 24x36" it has been revised from its original size and the scales noted on drawings/details are no longer applicable.

DRAWING NAME

SITE PLAN

L1.0





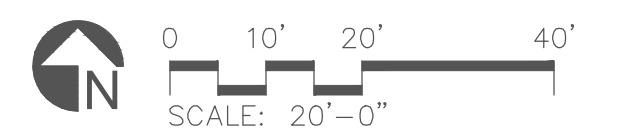
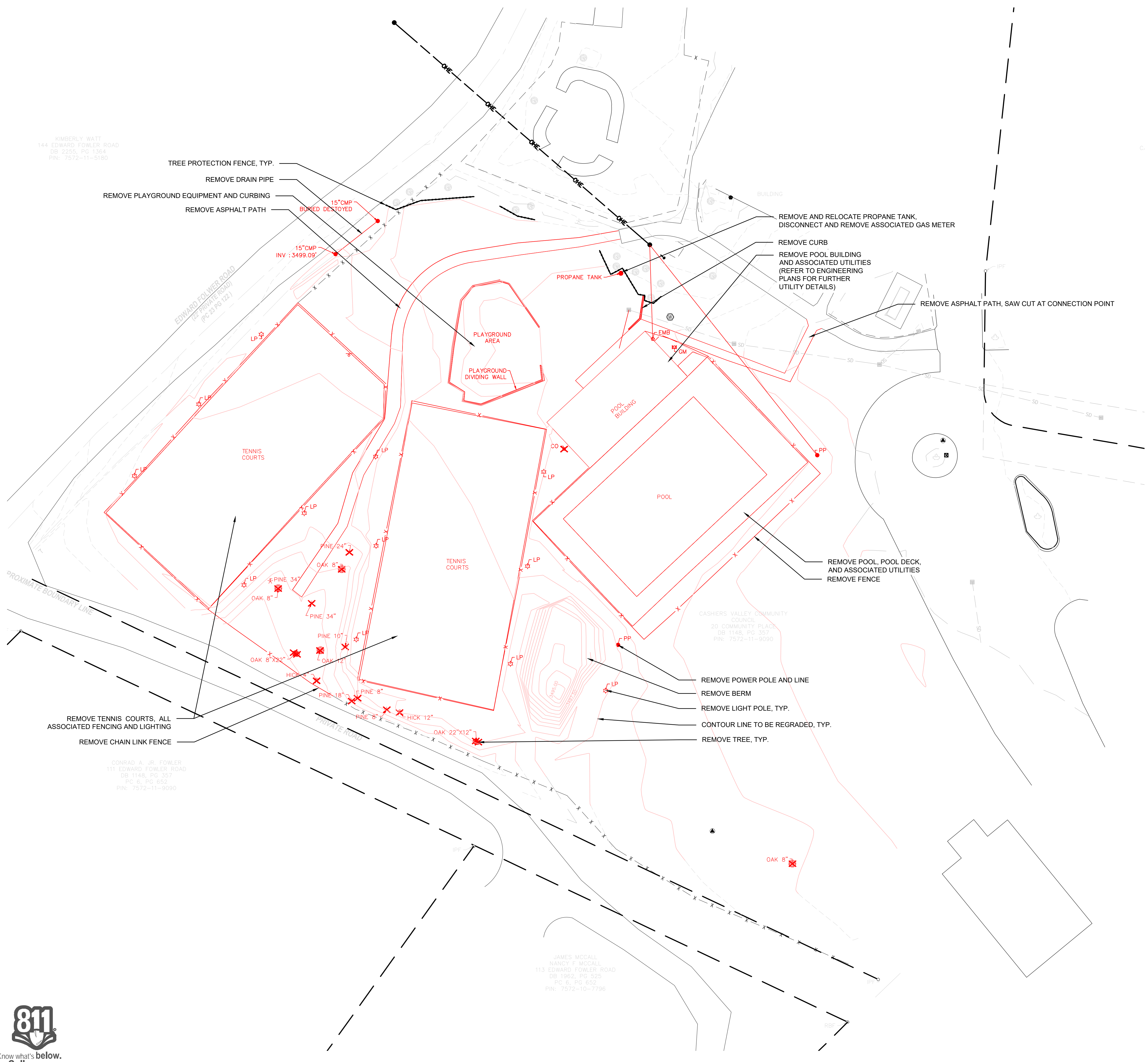
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DATE August 21, 2024
DRAWING SCALE AS SHOWN <small>NOTE: If this drawing is not 24x36" it has been revised from its original size and the scales noted on drawings/details are no longer applicable.</small>
DRAWING NAME DEMOLITION & SITE PREP

L1.1

NOTE:
 UTILITY REMOVAL TO BE COORDINATED BETWEEN CONTRACTOR AND UTILITY PROVIDER. ENGINEERING SHEETS TO CONTAIN MORE DETAIL IN FUTURE PHASE.
 SEE GRADING PLANS FOR GRADING INFORMATION.
 IF SUITABLE, POTENTIAL FOR DEMOLISHED BASE COURSE AND PAVING TO BE REUSED AS STRUCTURAL FILL / BASE COURSE FOR NEW PAVING.
 TREE SYMBOLS VARY IN SURVEY. ALL TREES TO BE REMOVED ARE INDICATED WITH X



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113 EDWARD FOWLER ROAD
DB 1962, PG 525
PC 6, PG 652
PIN: 7572-10-7796

LEGEND

- MAJOR TOPOGRAPHY
- - - MINOR TOPOGRAPHY
- - - - - PROPERTY BOUNDARY
- x - x - x - EXISTING FENCE
- - - - - EXISTING FENCE
- - - - - UTILITY EASEMENT
- - - - - ONE - OVERHEAD UTILITIES
- UTILITY POLE
- ⊕ WELL LOCATION
- ⊖ UTILITY POLE
- ⊖ DROP INLET
- ⊖ STORM SEWER
- ⊕ MAPLE TREE
- ⊕ OAK TREE
- ⊕ PINE TREE

MATERIALS LEGEND

HATCH	MATERIAL	DETAIL	FINISH
	ASPHALT PAVING - PEDESTRIAN	1, L6.0	-
	CONCRETE PAVING - VEHICULAR	3, L6.0	MEDIUM BROOM
	CONCRETE PAVING - PEDESTRIAN	2, L6.0	MEDIUM BROOM
	CONCRETE PAVING - PEDESTRIAN	2, L6.0	EXPOSED AGGREGATE: AGGREGATE TO BE SMOOTH 3/8" STONE, DARK GREY WITH 1/8" EXPOSURE
	PLAY SURFACE - POUR IN PLACE	6, L6.0	-
	PLAY SURFACE - MULCH	7, L6.0	-
	COMPACTED GRAVEL PAVING	5, L6.0	-
	DECOMPOSED GRANITE PAVING	4, L6.0	-
	COURT PAVING	9, L6.0	-
	TURF	SEE L5 SERIES	-
	PLANTING AREA	SEE L5 SERIES	-

14 O'Henry Ave.
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Asheville, NC 28801
t 828.253.6856
f 828.253.8256

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DATE	REVISIONS

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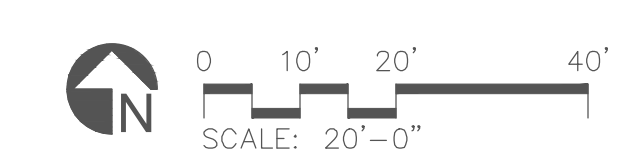
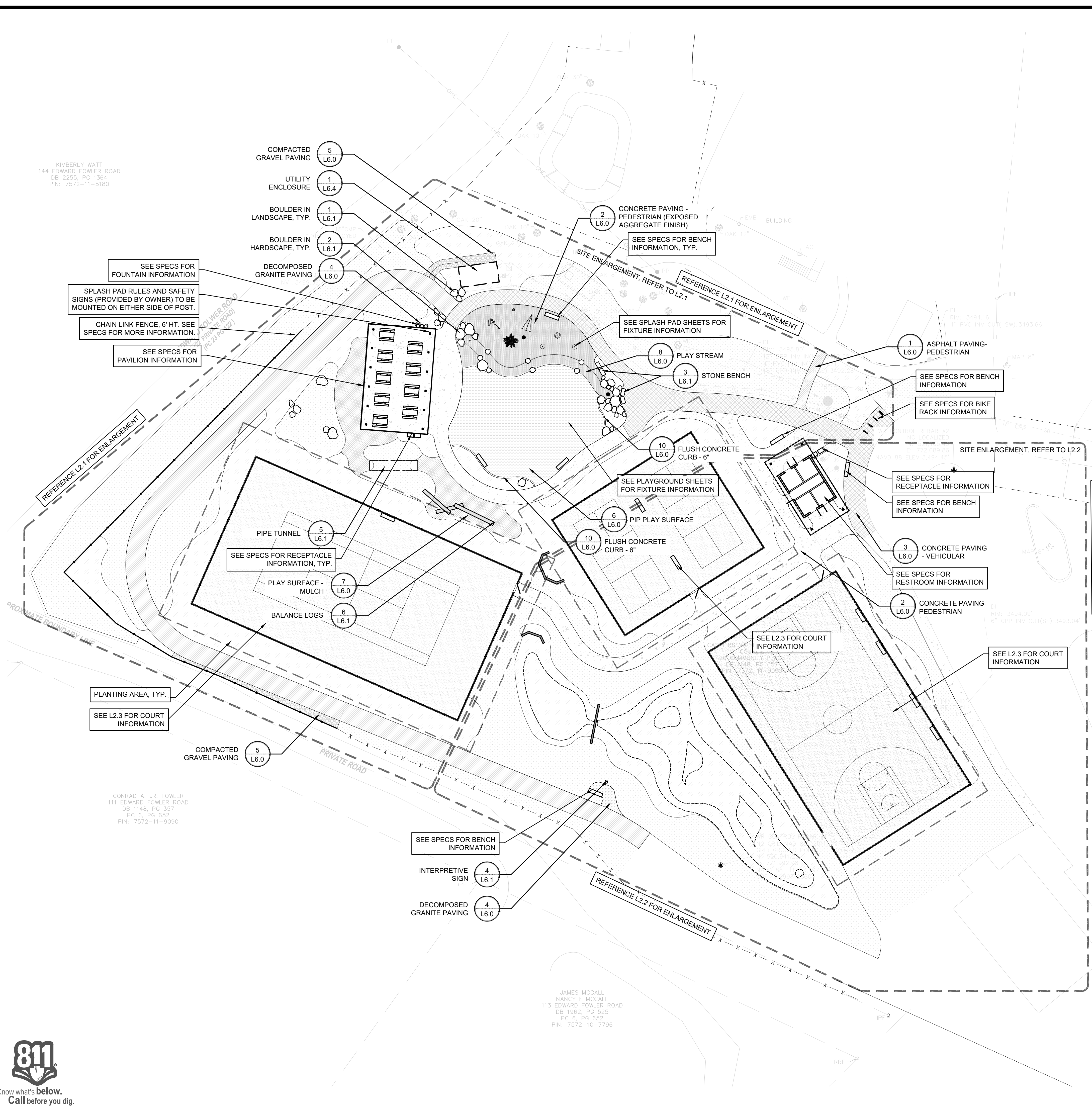
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DRAWING SCALE
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DRAWING NAME
LAYOUT + MATERIALS

L2.0

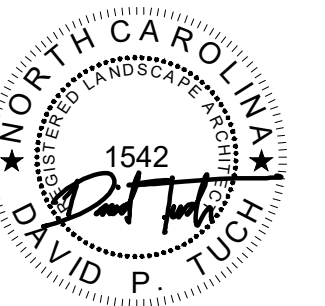




EQUINOX

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f 828.253.8256

SEAL



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DRAWING SCALE

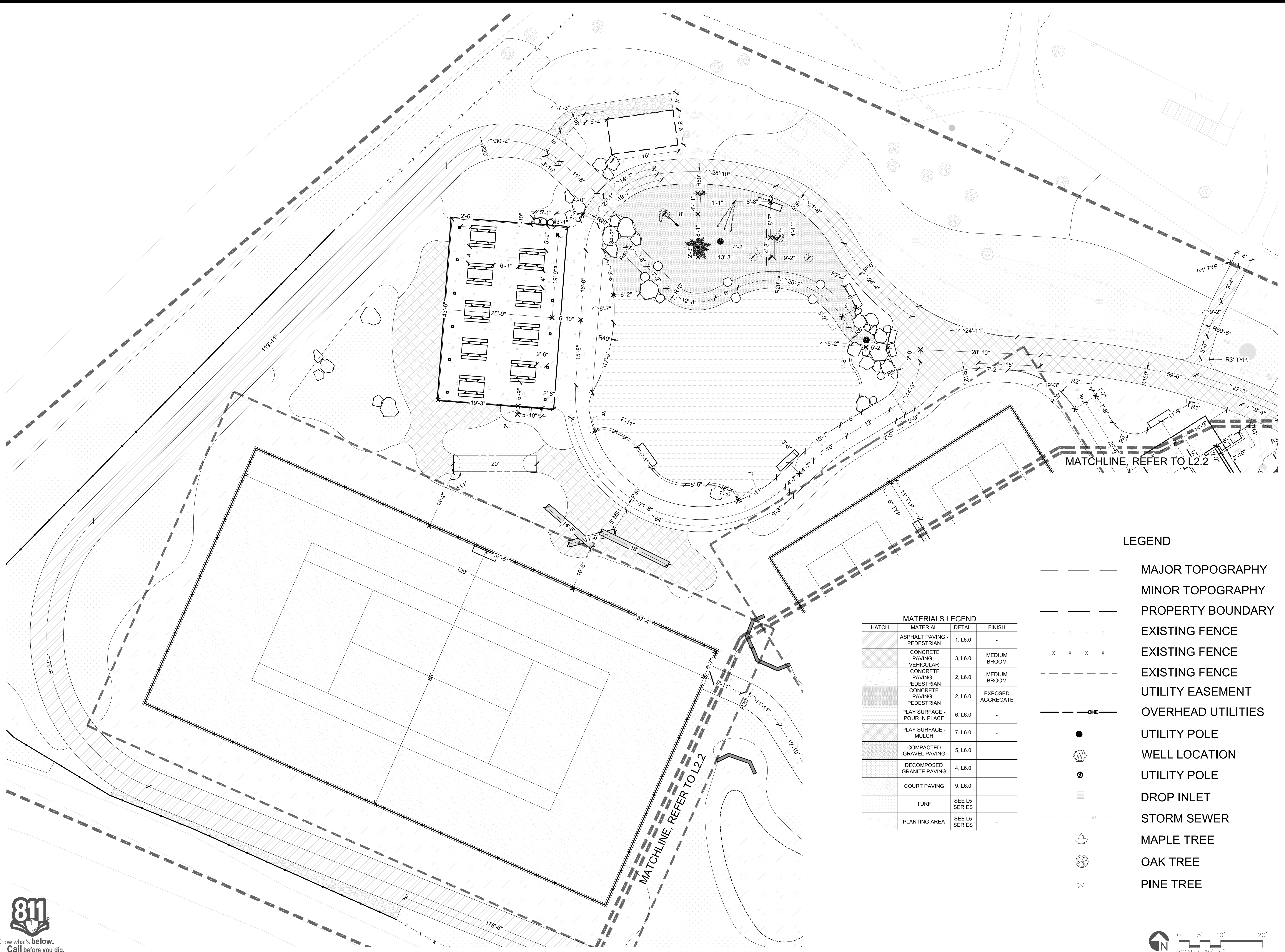
AS SHOWN

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DRAWING NAME

LAYOUT +
MATERIALS
- WEST

L2.1



MATCHLINE, REFER TO L2.2

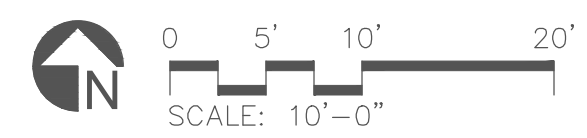
MATCHLINE, REFER TO L2.2

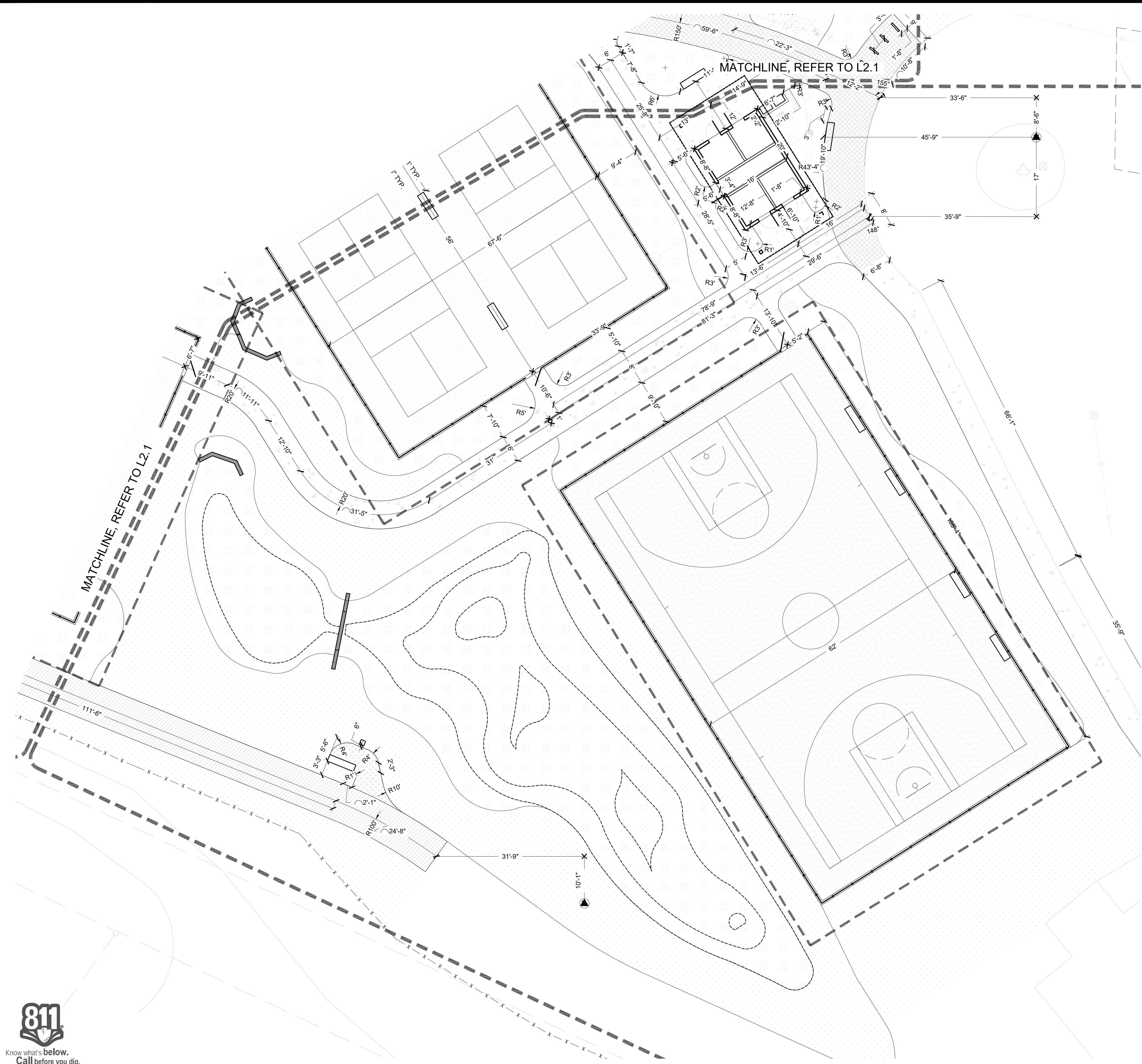
LEGEND

- MAJOR TOPOGRAPHY
- MINOR TOPOGRAPHY
- PROPERTY BOUNDARY
- x-x-x-x- EXISTING FENCE
- - - - - EXISTING FENCE
- - - - - UTILITY EASEMENT
- ONE --- OVERHEAD UTILITIES
- UTILITY POLE
- ⊙ WELL LOCATION
- ⊙ UTILITY POLE
- ⊙ DROP INLET
- S --- STORM SEWER
- ⊕ MAPLE TREE
- ⊙ OAK TREE
- * PINE TREE

MATERIALS LEGEND

HATCH	MATERIAL	DETAIL	FINISH
[Hatch]	ASPHALT PAVING - PEDESTRIAN	1, L6.0	-
[Hatch]	CONCRETE PAVING - VEHICULAR	3, L6.0	MEDIUM BROOM
[Hatch]	CONCRETE PAVING - PEDESTRIAN	2, L6.0	MEDIUM BROOM
[Hatch]	CONCRETE PAVING - PEDESTRIAN	2, L6.0	EXPOSED AGGREGATE
[Hatch]	PLAY SURFACE - POUR IN PLACE	6, L6.0	-
[Hatch]	PLAY SURFACE - MULCH	7, L6.0	-
[Hatch]	COMPACTED GRAVEL PAVING	5, L6.0	-
[Hatch]	DECOMPOSED GRANITE PAVING	4, L6.0	-
[Hatch]	COURT PAVING	9, L6.0	-
[Hatch]	TURF	SEE L5 SERIES	-
[Hatch]	PLANTING AREA	SEE L5 SERIES	-





LEGEND

- MAJOR TOPOGRAPHY
- - - MINOR TOPOGRAPHY
- - - - - PROPERTY BOUNDARY
- - - - - EXISTING FENCE
- x - x - x - EXISTING FENCE
- - - - - EXISTING FENCE
- - - - - UTILITY EASEMENT
- - - - - OHE OVERHEAD UTILITIES
- UTILITY POLE
- ⊕ WELL LOCATION
- ⊕ UTILITY POLE
- DROP INLET
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[Hatch]	PLAY SURFACE - POUR IN PLACE	6, L6.0	-
[Hatch]	PLAY SURFACE - MULCH	7, L6.0	-
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[Hatch]	COURT PAVING	9, L6.0	-
[Hatch]	TURF	SEE L5 SERIES	-
[Hatch]	PLANTING AREA	SEE L5 SERIES	-

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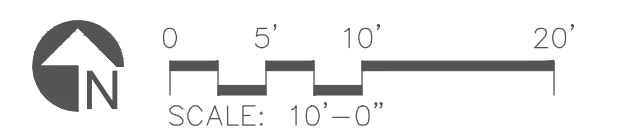
PHASE
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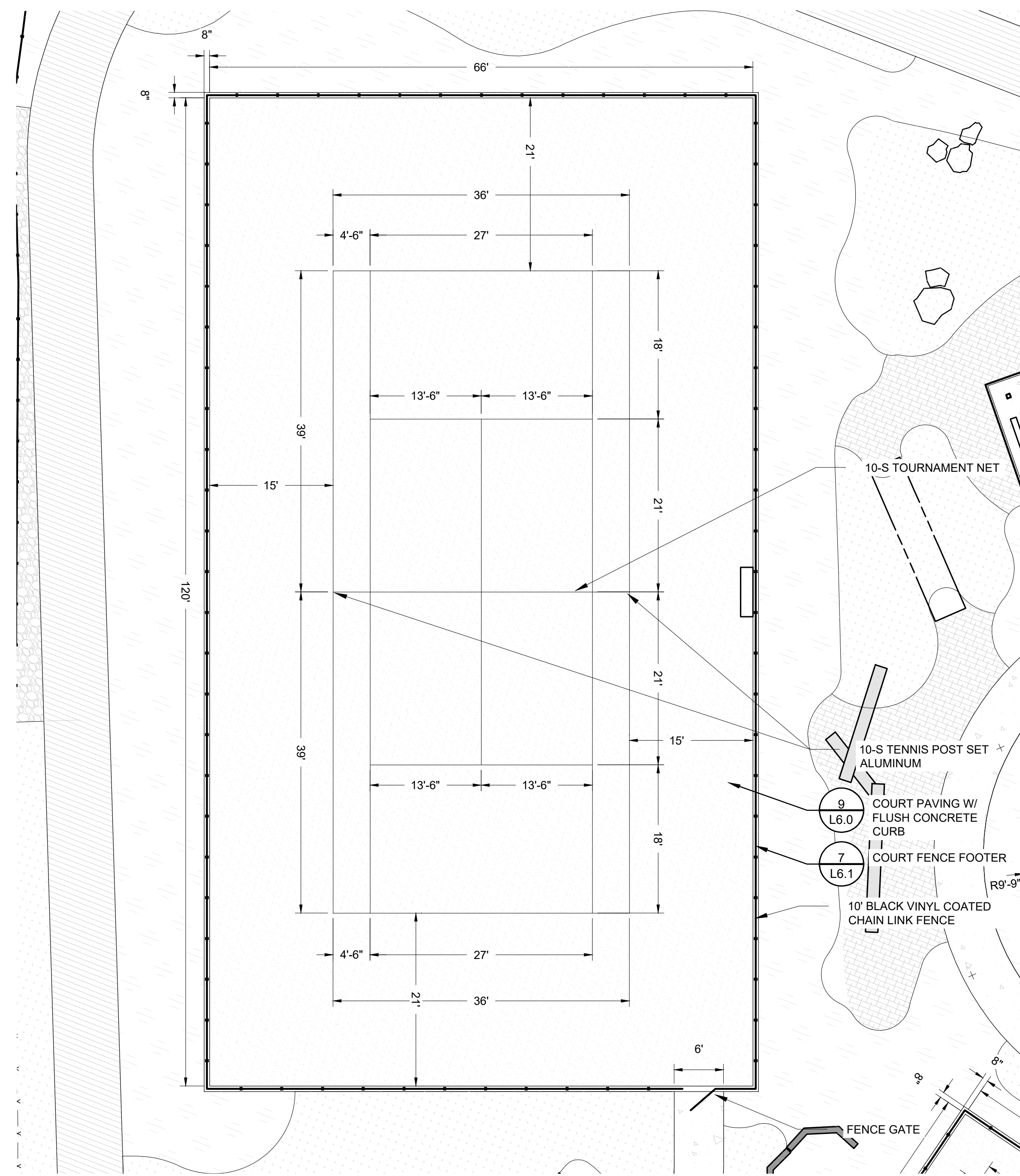
DATE
August 21, 2024

DRAWING SCALE
AS SHOWN
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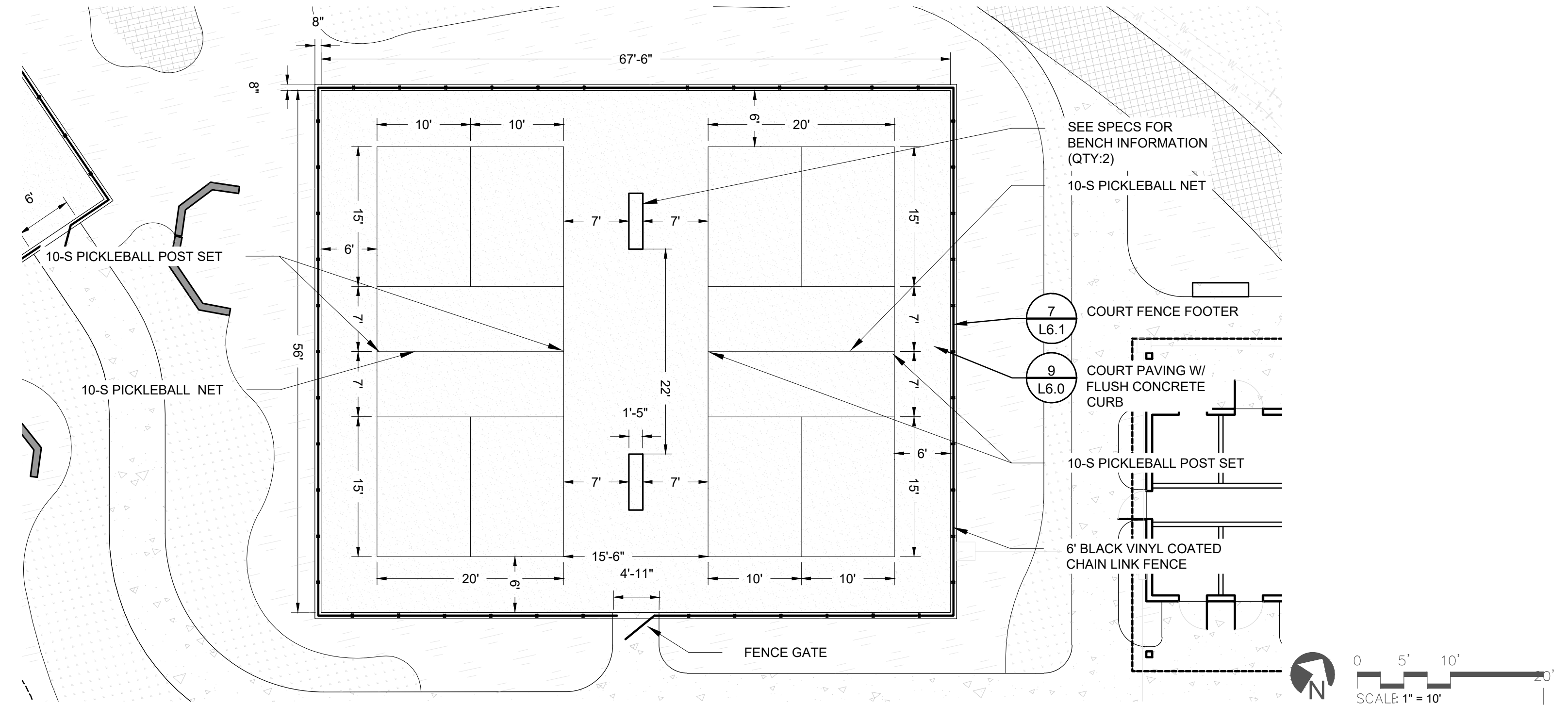
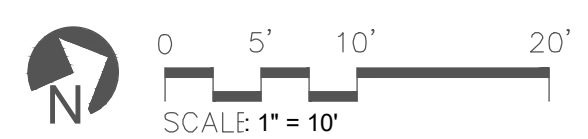
DRAWING NAME
LAYOUT + MATERIALS - EAST

L2.2

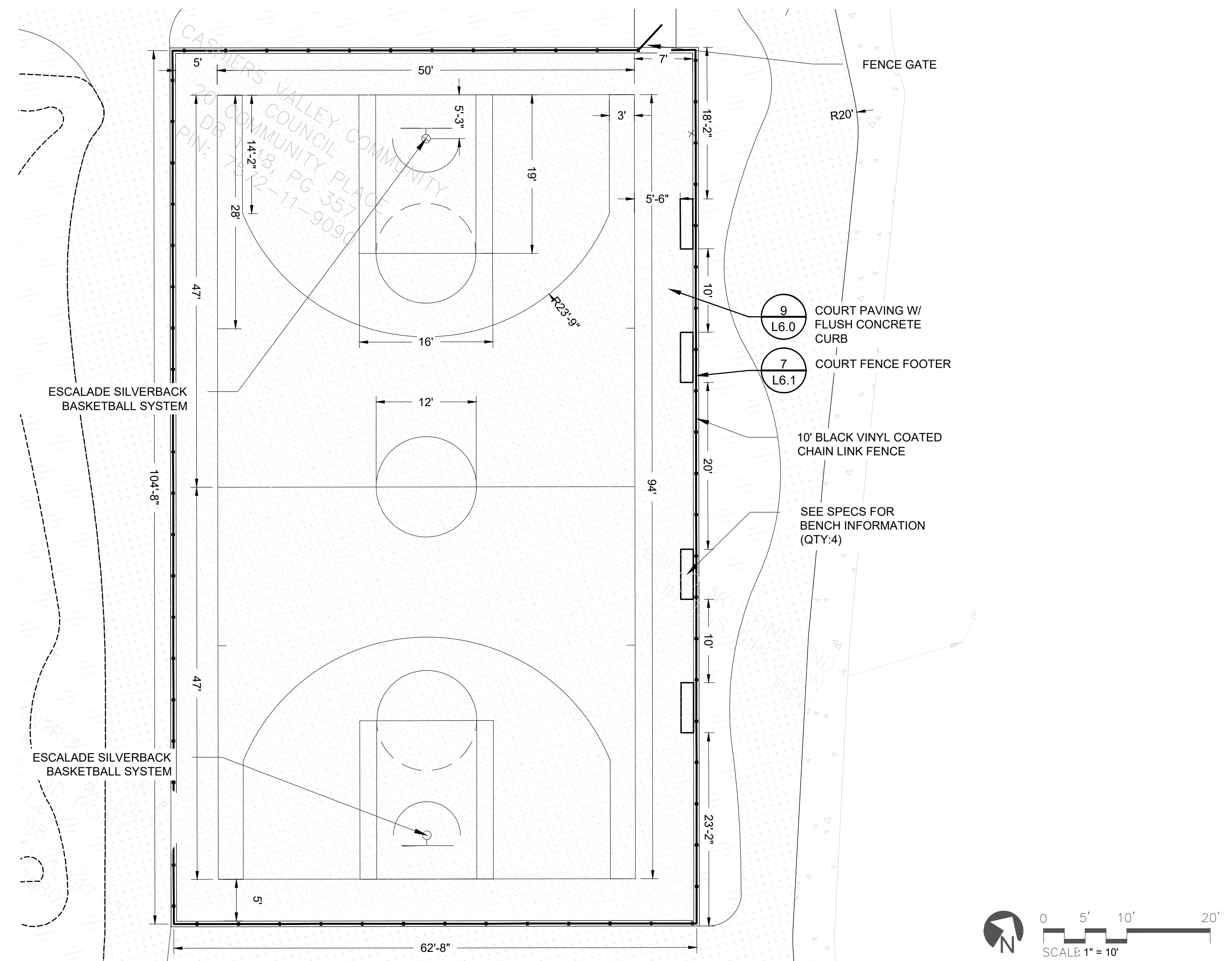
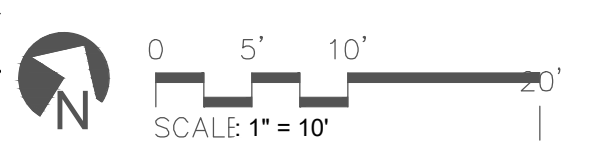




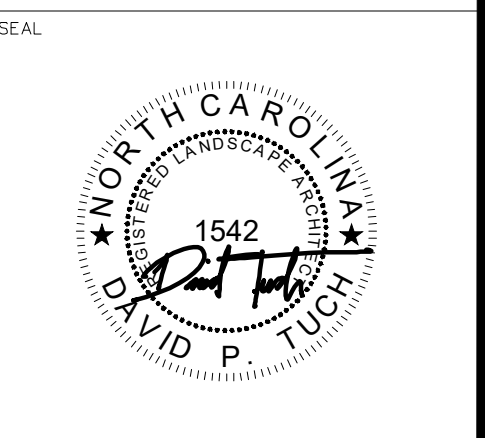
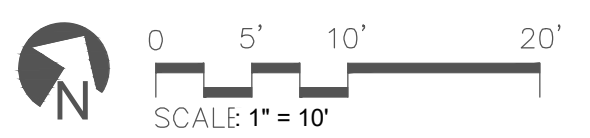
TENNIS COURT LAYOUT



PICKLE BALL COURT LAYOUT



BASKETBALL COURT LAYOUT



NOTE: Drawings are invalid without signed stamp by professional.

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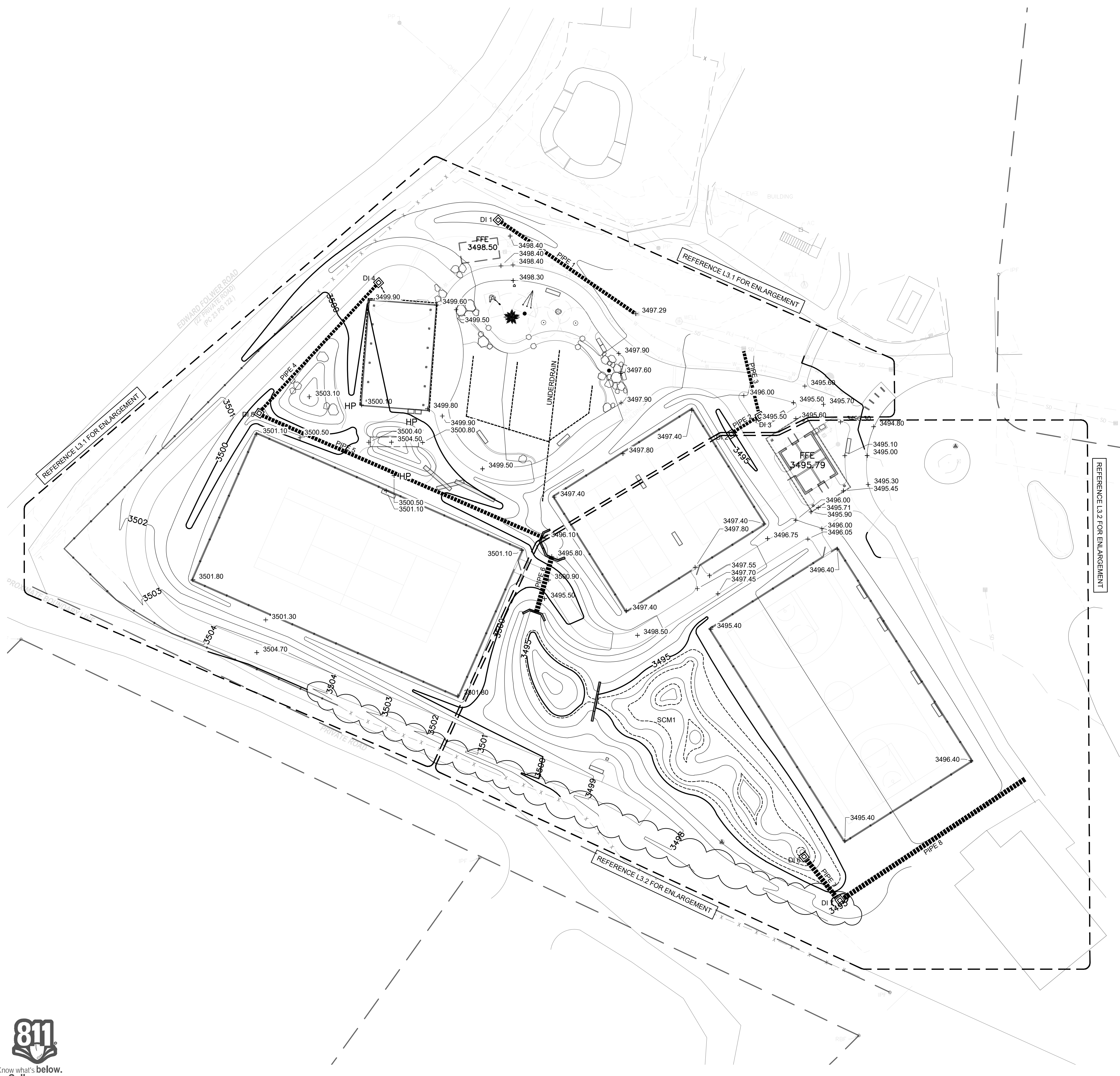
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DRAWING NAME
COURT LAYOUT + MATERIALS

L2.3





- LEGEND**
- MAJOR TOPOGRAPHY
 - - - MINOR TOPOGRAPHY
 - - - - - PROPERTY BOUNDARY
 - x - x - x - EXISTING FENCE
 - - - - - EXISTING FENCE
 - - - - - UTILITY EASEMENT
 - - - - - OHE - OVERHEAD UTILITIES
 - UTILITY POLE
 - ⊙ WELL LOCATION
 - ⊙ UTILITY POLE
 - ⊙ DROP INLET
 - ⊙ SS - STORM SEWER
 - ⊙ MAPLE TREE
 - ⊙ OAK TREE
 - ⊙ PINE TREE

NOTE: NO WETLANDS EXIST IN THE PROJECT AREA.
 JASON SEICKEL, LANDSCAPE ARCHITECT.

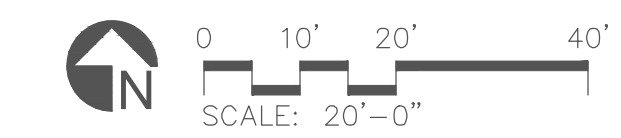


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DATE	REVISIONS
5/13/24	REVISIONS BASED ON DEQ COMMENTS FROM 5/8/24

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DRAWING NAME GRADING PLAN
L3.0

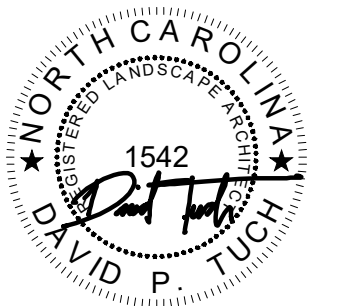




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SEAL



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August 21, 2024

DRAWING SCALE

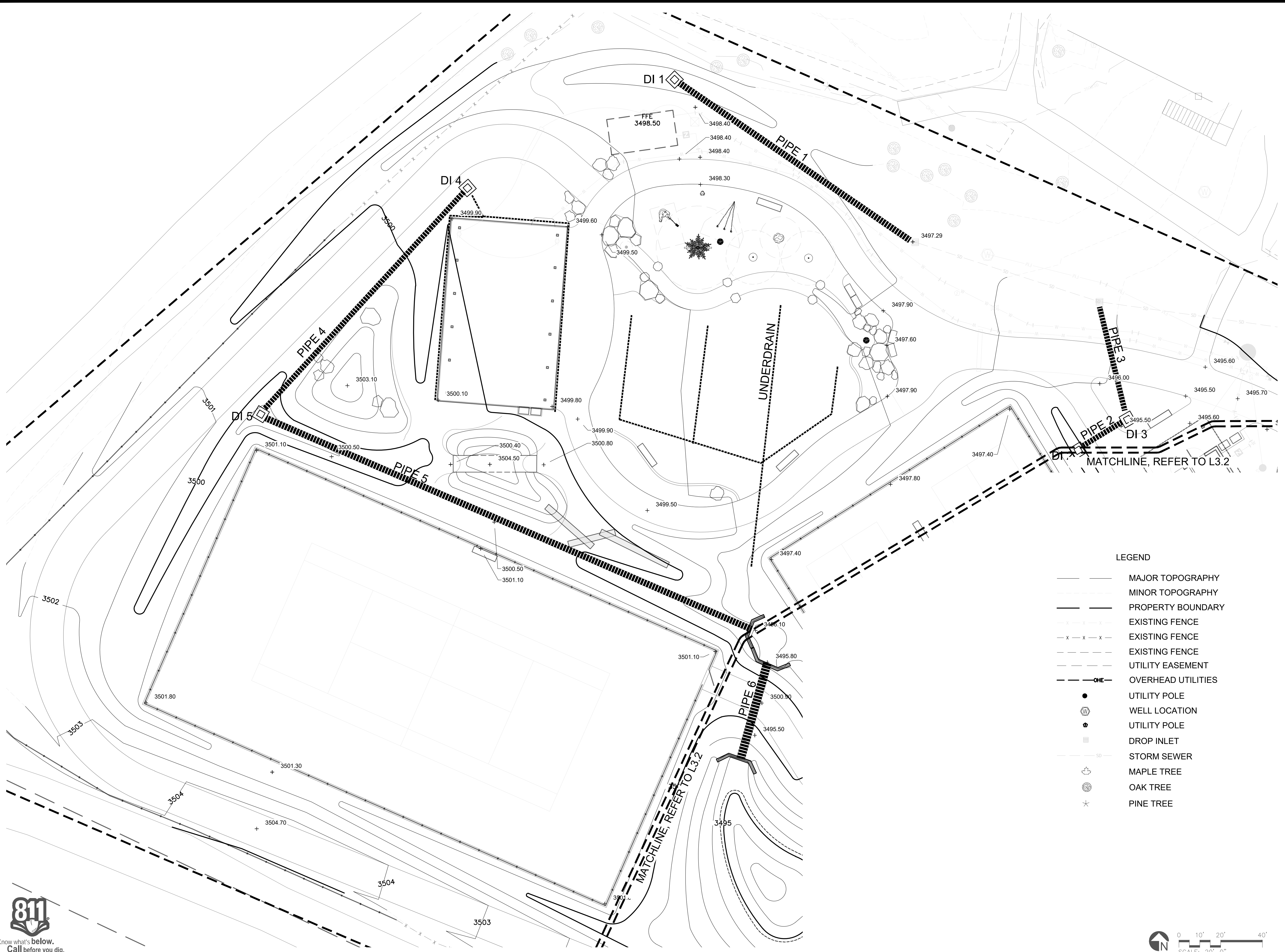
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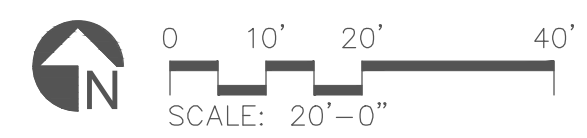
GRADING
PLAN -
WEST

L3.1



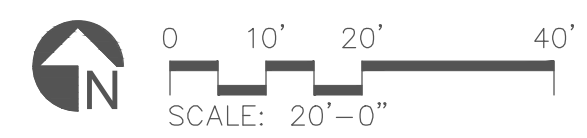
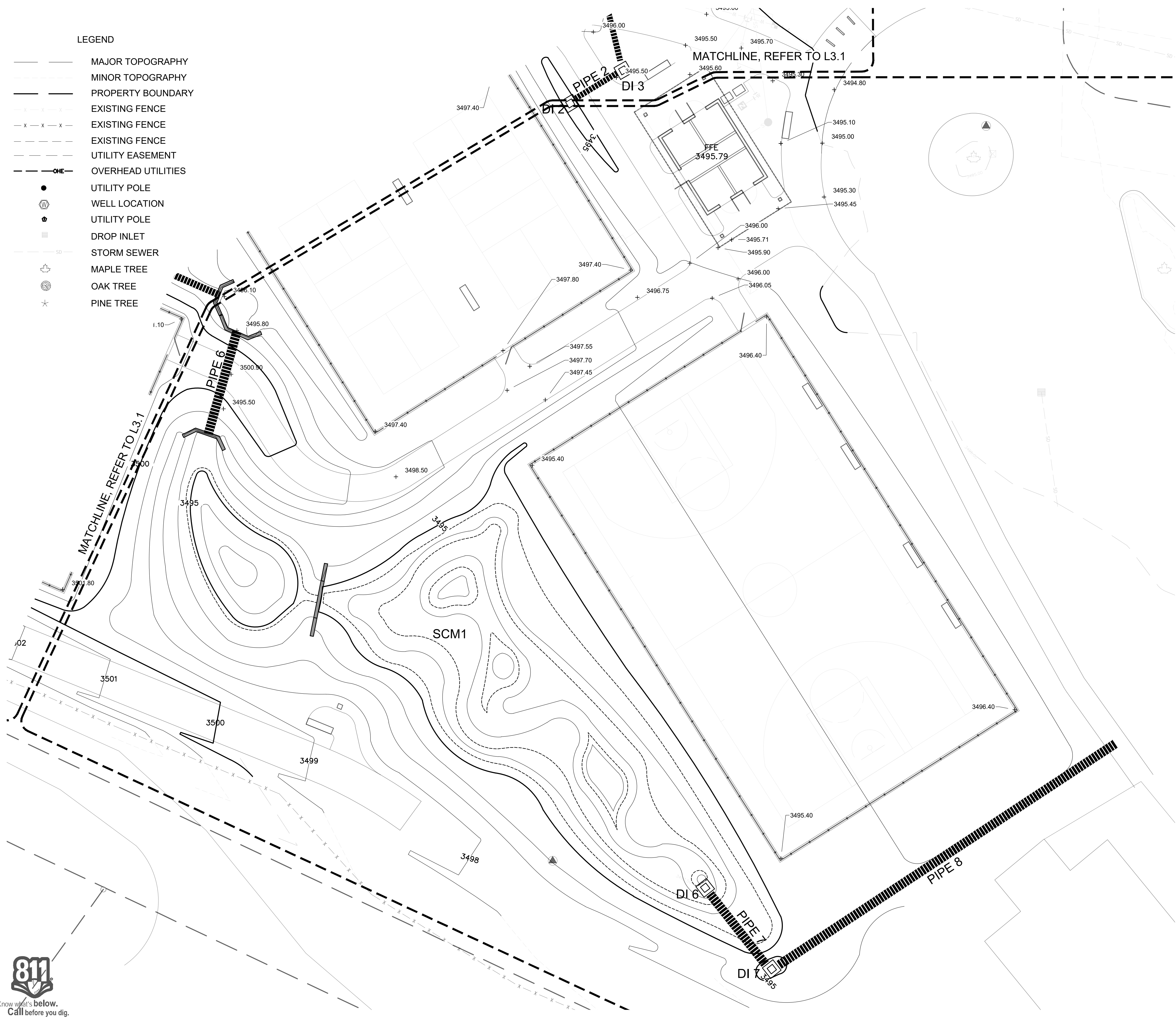
LEGEND

- MAJOR TOPOGRAPHY
- MINOR TOPOGRAPHY
- PROPERTY BOUNDARY
- EXISTING FENCE
- EXISTING FENCE
- EXISTING FENCE
- UTILITY EASEMENT
- OVERHEAD UTILITIES
- UTILITY POLE
- WELL LOCATION
- UTILITY POLE
- DROP INLET
- STORM SEWER
- MAPLE TREE
- OAK TREE
- PINE TREE



LEGEND

- MAJOR TOPOGRAPHY
- - - MINOR TOPOGRAPHY
- PROPERTY BOUNDARY
- x - x - x - EXISTING FENCE
- - - EXISTING FENCE
- - - UTILITY EASEMENT
- OHE — OVERHEAD UTILITIES
- UTILITY POLE
- ⊕ WELL LOCATION
- ⊙ UTILITY POLE
- ▭ DROP INLET
- SD — STORM SEWER
- ⊕ MAPLE TREE
- ⊙ OAK TREE
- * PINE TREE



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 Cashiers, NC 28717

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DRAWING NAME
GRADING PLAN — EAST

L3.2

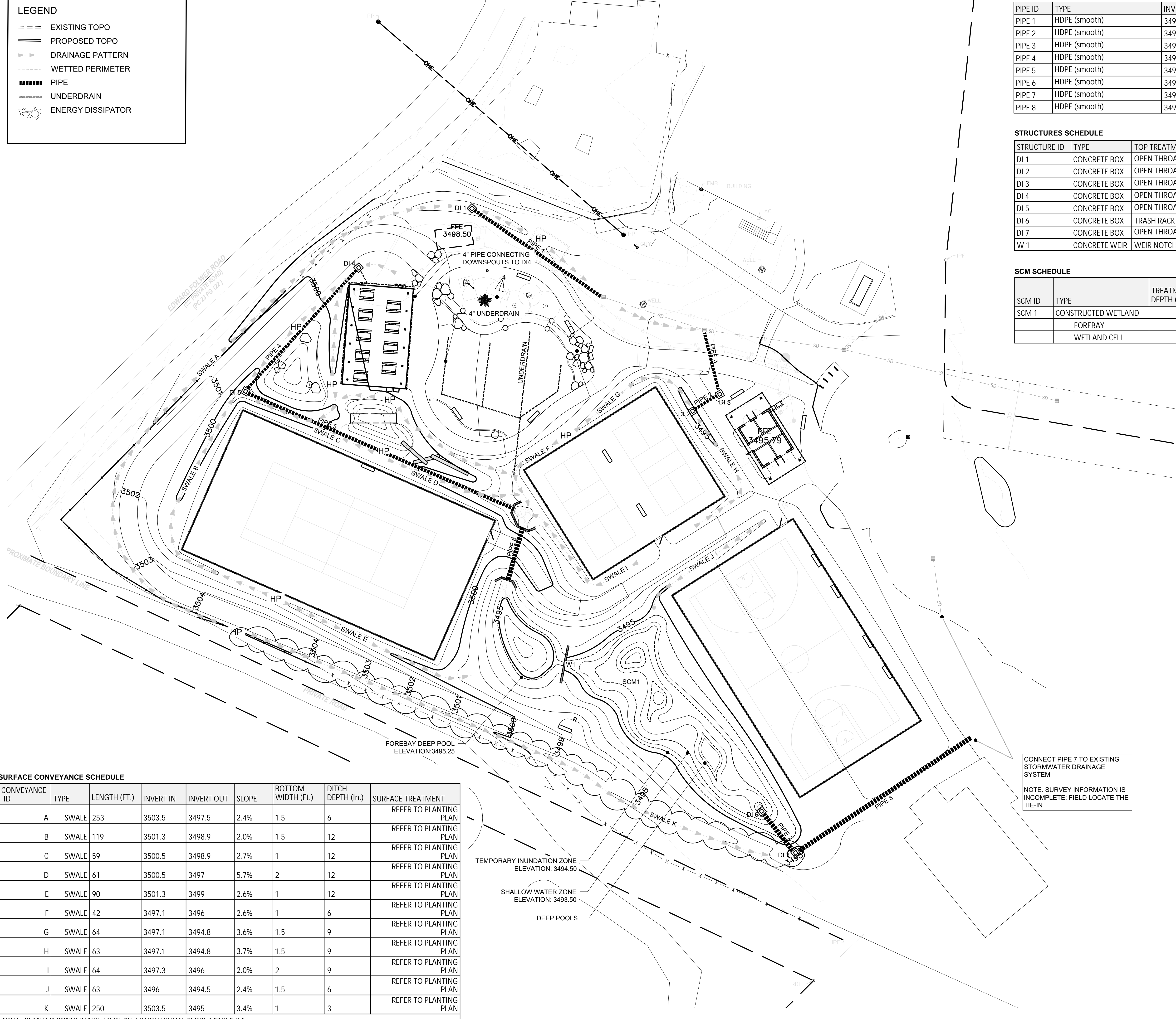
LEGEND	
	EXISTING TOPO
	PROPOSED TOPO
	DRAINAGE PATTERN
	WETTED PERIMETER
	PIPE
	UNDERDRAIN
	ENERGY DISSIPATOR

PIPE SCHEDULE					
PIPE ID	TYPE	INV IN	INV OUT	LENGTH (FT)	SIZE (in.)
PIPE 1	HDPE (smooth)	3494.00	3493.00	67	18
PIPE 2	HDPE (smooth)	3493.00	3492.85	11	15
PIPE 3	HDPE (smooth)	3492.75	3492.45	26	15
PIPE 4	HDPE (smooth)	3497.50	3496.80	71	15
PIPE 5	HDPE (smooth)	3496.75	3495.50	127	18
PIPE 6	HDPE (smooth)	3495.35	3495.10	24	24
PIPE 7	HDPE (smooth)	3491.50	3491.30	20	30
PIPE 8	HDPE (smooth)	3491.20	3490.30	-90	30

STRUCTURES SCHEDULE					
STRUCTURE ID	TYPE	TOP TREATMENT	SIDE TREATMENT	RIM ELEV.	DETAIL
DI 1	CONCRETE BOX	OPEN THROAT, FOUR SIDES	NA	3497.50	1/L6.2
DI 2	CONCRETE BOX	OPEN THROAT, FOUR SIDES	NA	3494.80	1/L6.2
DI 3	CONCRETE BOX	OPEN THROAT, FOUR SIDES	NA	3495.20	1/L6.2
DI 4	CONCRETE BOX	OPEN THROAT, FOUR SIDES	NA	3499.65	1/L6.2
DI 5	CONCRETE BOX	OPEN THROAT, FOUR SIDES	NA	3498.90	1/L6.2
DI 6	CONCRETE BOX	TRASH RACK	WEIR + ORIFICE	3495.25	1/L6.2
DI 7	CONCRETE BOX	OPEN THROAT, FOUR SIDES	NA	3495.00	1/L6.2
W 1	CONCRETE WEIR	WEIR NOTCH	NA	3495.25	5/L6.2

SCM SCHEDULE					
SCM ID	TYPE	TREATMENT DEPTH (in.)	OUTFALL ELEVATION	STORAGE VOLUME (CF) REQUIRED	STORAGE VOLUME (CF) DESIGNED
SCM 1	CONSTRUCTED WETLAND			1,803	3,710
	FOREBAY	NA	3495.25		
	WETLAND CELL	12	3493.50		

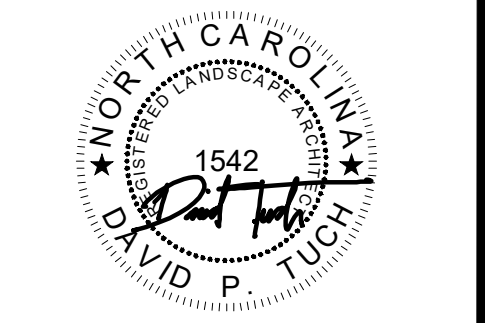
NOTE: NO WETLANDS EXIST IN THE PROJECT AREA. JASON SEICKEL, LANDSCAPE ARCHITECT.



SURFACE CONVEYANCE SCHEDULE								
CONVEYANCE ID	TYPE	LENGTH (FT.)	INVERT IN	INVERT OUT	SLOPE	BOTTOM WIDTH (FT.)	DITCH DEPTH (in.)	SURFACE TREATMENT
A	SWALE	253	3503.5	3497.5	2.4%	1.5	6	REFER TO PLANTING PLAN
B	SWALE	119	3501.3	3498.9	2.0%	1.5	12	REFER TO PLANTING PLAN
C	SWALE	59	3500.5	3498.9	2.7%	1	12	REFER TO PLANTING PLAN
D	SWALE	61	3500.5	3497	5.7%	2	12	REFER TO PLANTING PLAN
E	SWALE	90	3501.3	3499	2.6%	1	12	REFER TO PLANTING PLAN
F	SWALE	42	3497.1	3496	2.6%	1	6	REFER TO PLANTING PLAN
G	SWALE	64	3497.1	3494.8	3.6%	1.5	9	REFER TO PLANTING PLAN
H	SWALE	63	3497.1	3494.8	3.7%	1.5	9	REFER TO PLANTING PLAN
I	SWALE	64	3497.3	3496	2.0%	2	9	REFER TO PLANTING PLAN
J	SWALE	63	3496	3494.5	2.4%	1.5	6	REFER TO PLANTING PLAN
K	SWALE	250	3503.5	3495	3.4%	1	3	REFER TO PLANTING PLAN

NOTE: PLANTED CONVEYANCE TO BE 2% LONGITUDINAL SLOPE MINIMUM

CONNECT PIPE 7 TO EXISTING STORMWATER DRAINAGE SYSTEM
NOTE: SURVEY INFORMATION IS INCOMPLETE; FIELD LOCATE THE TIE-IN



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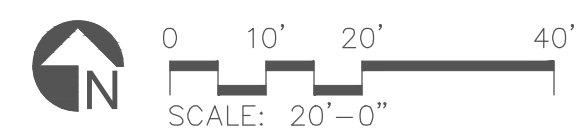
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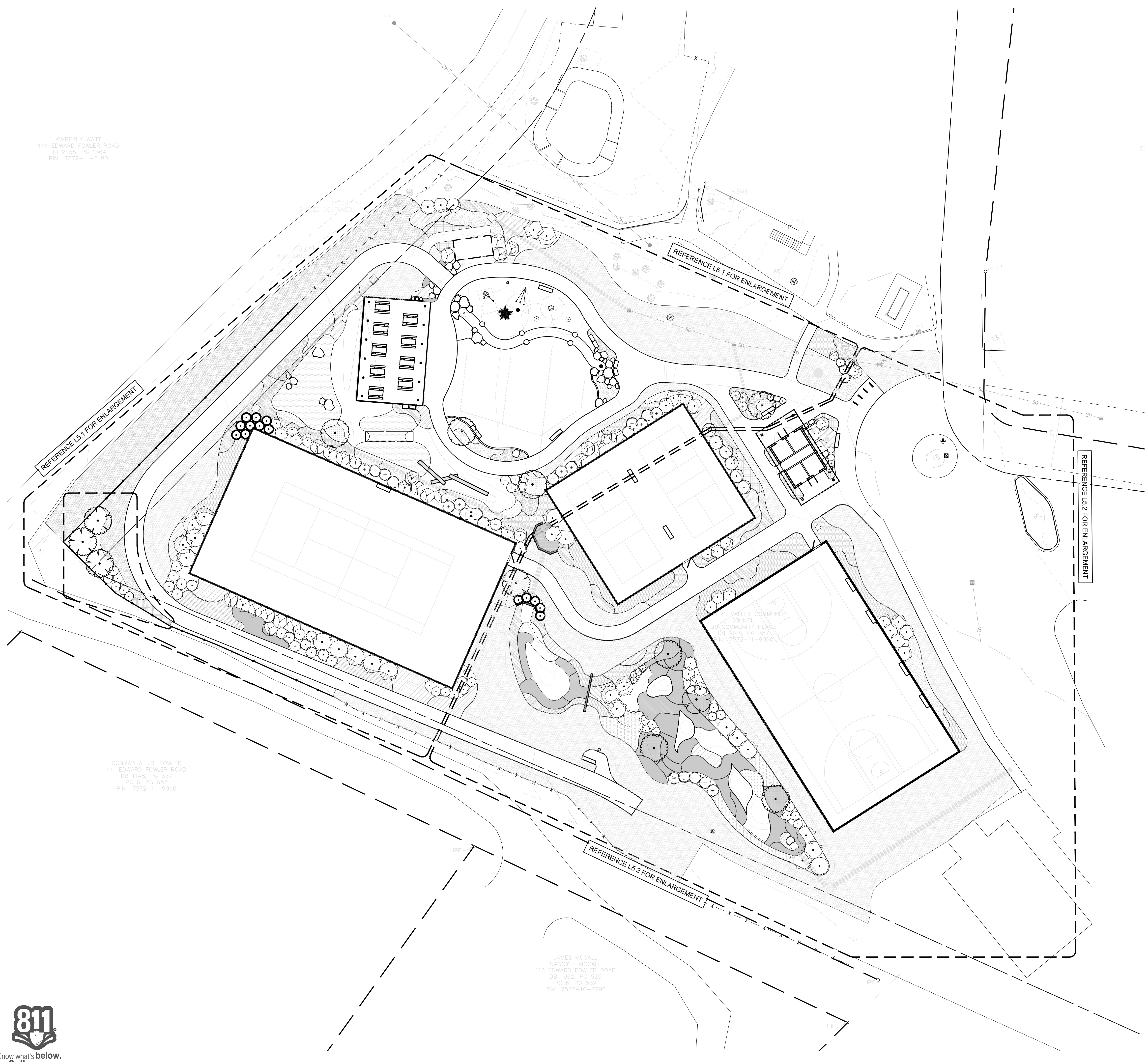
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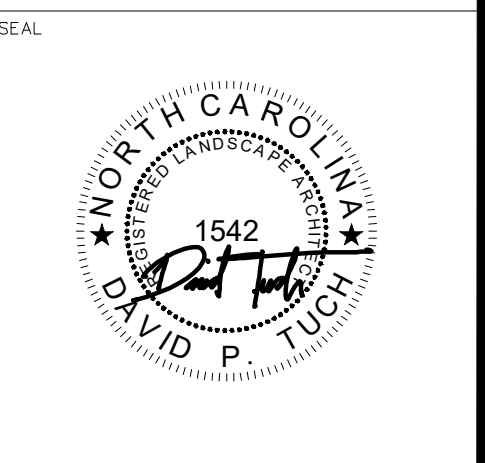
DRAWING NAME: STORMWATER PLAN

L4.0






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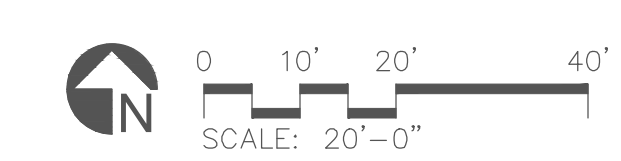
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PLANTING PLAN

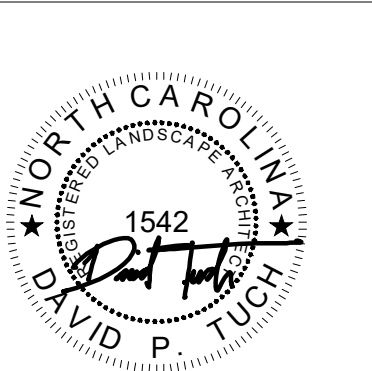
L5.0





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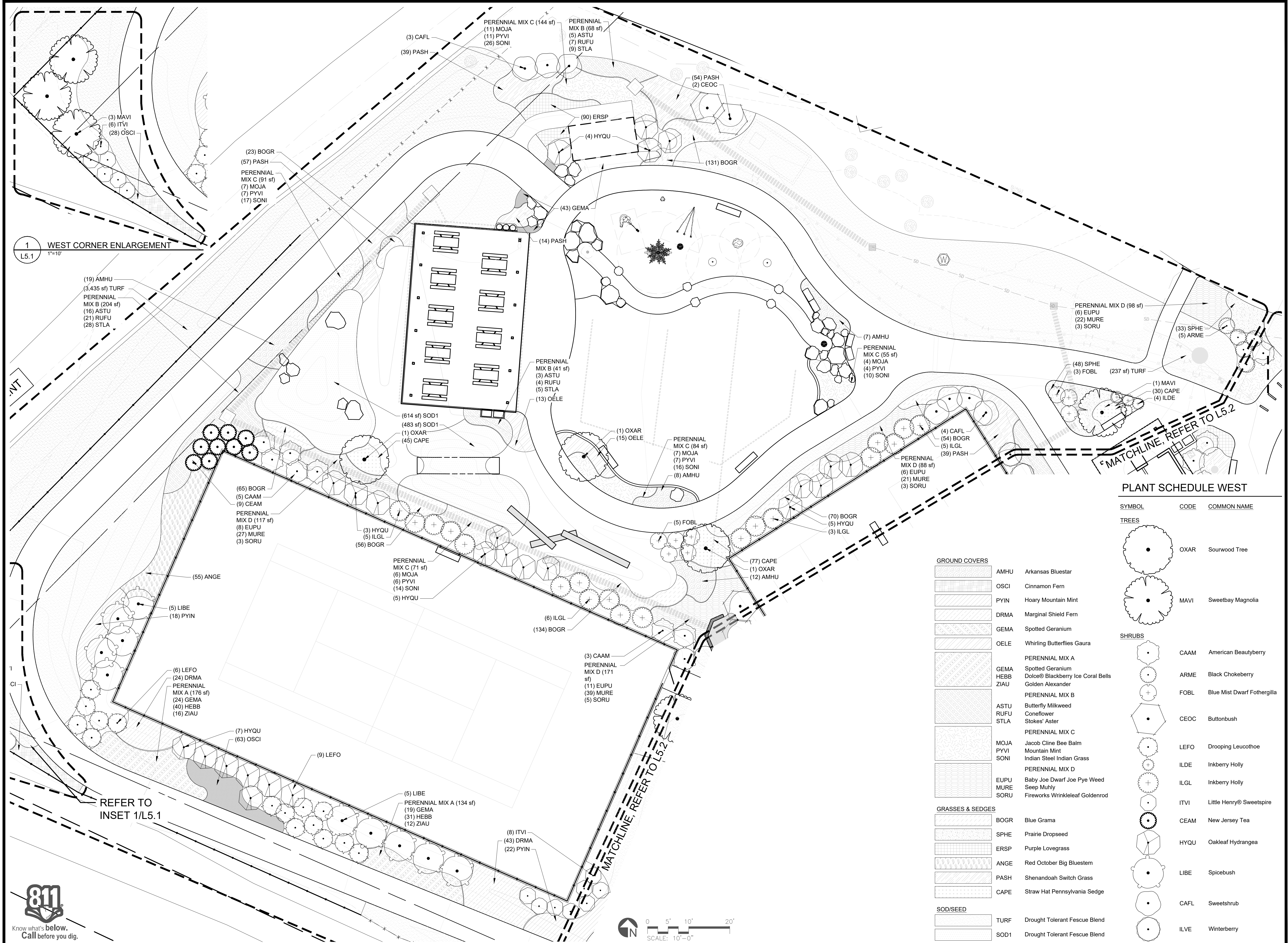
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**PLANTING
PLAN -
WEST**

L5.1

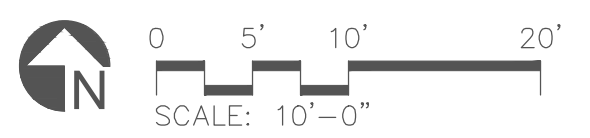


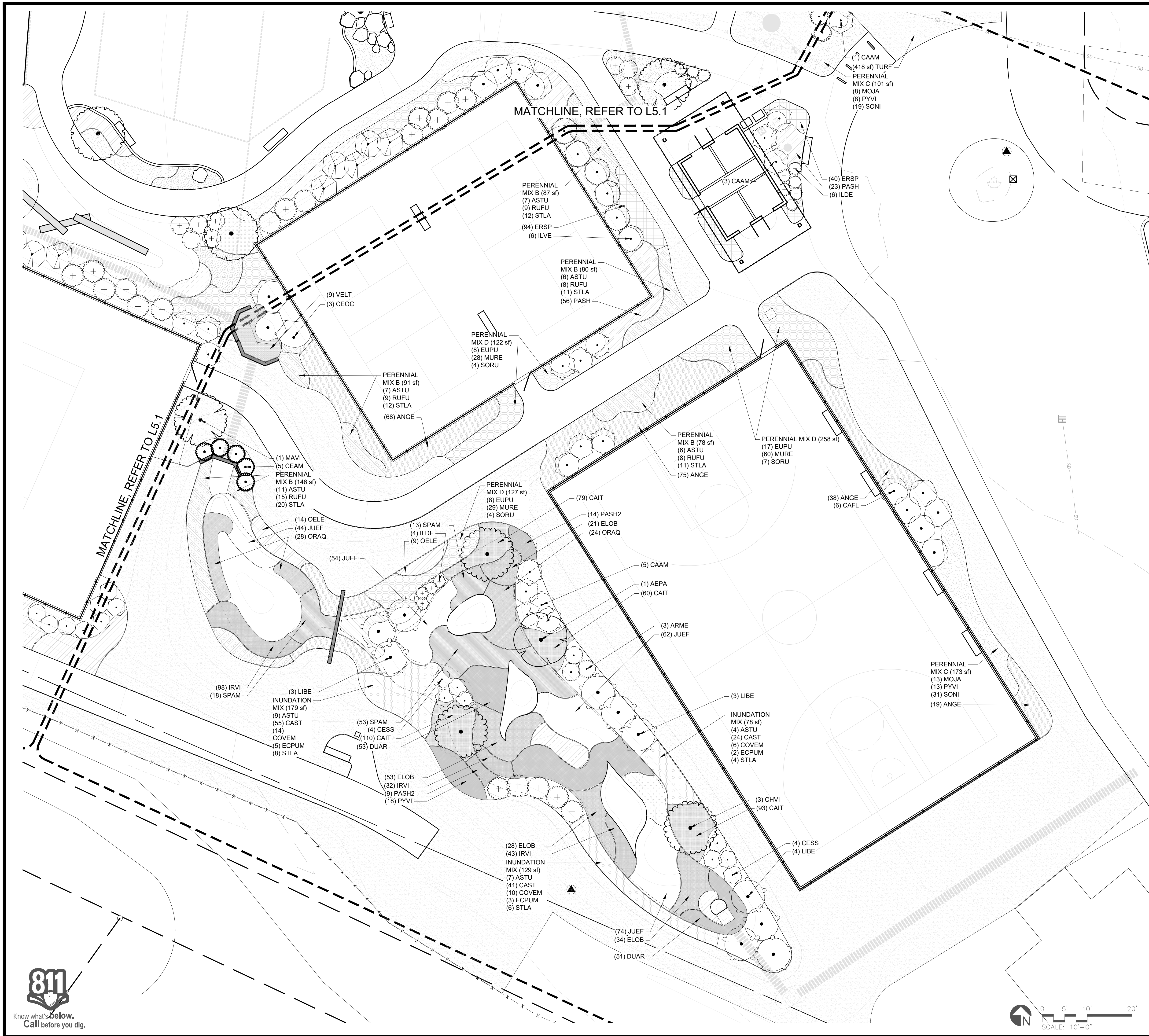
1
L5.1
WEST CORNER ENLARGEMENT
1"=10'

PLANT SCHEDULE WEST

SYMBOL	CODE	COMMON NAME
TREES		
	OXAR	Sourwood Tree
	MAVI	Sweetbay Magnolia
SHRUBS		
	CAAM	American Beautyberry
	ARME	Black Chokeberry
	FOBL	Blue Mist Dwarf Fothergilla
	CEOC	Buttonbush
	LEFO	Drooping Leucothoe
	ILDE	Inkberry Holly
	ILGL	Inkberry Holly
	ITVI	Little Henry® Sweetspire
	CEAM	New Jersey Tea
	HYQU	Oakleaf Hydrangea
	LIBE	Spicebush
	CAFL	Sweetshrub
	ILVE	Winterberry

GROUND COVERS		
	AMHU	Arkansas Bluestar
	OSCI	Cinnamon Fern
	PYIN	Hoary Mountain Mint
	DRMA	Marginal Shield Fern
	GEMA	Spotted Geranium
	OELE	Whirling Butterflies Gaura
	PERENNIAL MIX A	PERENNIAL MIX A
	GEMA	Spotted Geranium
	HEBB	Dolce® Blackberry Ice Coral Bells
	ZIAU	Golden Alexander
	PERENNIAL MIX B	PERENNIAL MIX B
	ASTU	Butterfly Milkweed
	RUFU	Coneflower
	STLA	Stokes' Aster
	PERENNIAL MIX C	PERENNIAL MIX C
	MOJA	Jacob Cline Bee Balm
	PYVI	Mountain Mint
	SONI	Indian Steel Indian Grass
	PERENNIAL MIX D	PERENNIAL MIX D
	EUPU	Baby Joe Dwarf Joe Pye Weed
	MURE	Seep Muhly
	SORU	Fireworks Wrinkleleaf Goldenrod
GRASSES & SEDGES		
	BOGR	Blue Grama
	SPHE	Prairie Dropseed
	ERSP	Purple Lovegrass
	ANGE	Red October Big Bluestem
	PASH	Shenandoah Switch Grass
	CAPE	Straw Hat Pennsylvania Sedge
SOD/SEED		
	TURF	Drought Tolerant Fescue Blend
	SOD1	Drought Tolerant Fescue Blend





PLANT SCHEDULE EAST

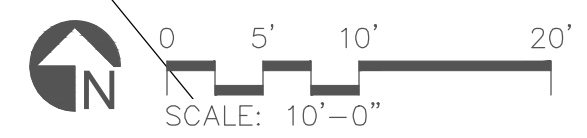
SYMBOL	CODE	COMMON NAME
TREES		
	AEPA	Red Buckeye
	MAVI	Sweetbay Magnolia
	CHVI	White Fringetree
SHRUBS		
	CAAM	American Beautyberry
	ARME	Black Chokeberry
	CEOC	Buttonbush
	LEFO	Drooping Leucothoe
	ILDE	Inkberry Holly
	CEAM	New Jersey Tea
	LIBE	Spicebush
	CESS	Sugar Shack Buttonbush
	CAFL	Sweetshrub
	ILVE	Winterberry
GROUND COVERS		
	PYIN	Hoary Mountain Mint
	VELT	Lavender Towers Culver's Root
	PYVI	Mountain Mint
	OELE	Whirling Butterflies Gaura
	ASTU	Butterfly Milkweed
	RUFU	Coneflower
	STLA	Stokes' Aster
	MOJA	Jacob Cline Bee Balm
	PYVI	Mountain Mint
	SONI	Indian Steel Indian Grass
	ASTU	Butterfly Milkweed
	CAST	Tussock Sedge
	COVEM	Moonbeam Tickseed
	ECPUM	Coneflower
	STLA	Stokes' Aster
	EUPU	Baby Joe Dwarf Joe Pye Weed
	MURE	Seep Muhly
	SORU	Fireworks Wrinkleleaf Goldenrod
GRASSES & SEDGES		
	BOGR	Blue Grama
	ERSP	Purple Lovegrass
	ANGE	Red October Big Bluestem
	PASH	Shenandoah Switch Grass
SHALLOW WATER		
	IRVI	Blue Flag Iris
	ELOB	Blunt Spikerush
	SPAM	Bur-reed
	JUEF	Common Rush
	ORAQ	Goldenclub
	DUAR	Threeway Sedge
SOD/SEED		
	TURF	Drought Tolerant Fescue Blend
INUNDATION ZONE		
	CAIT	Bladder Sedge
	PASH2	Shenandoah Switch Grass



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PLANTING PLAN - EAST
L5.2



PLANT SCHEDULE					
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	HEIGHT	CONTAINER
TREES					
	AEPA	1	Aesculus pavia Red Buckeye	6' Ht.	B&B
	CHVI	3	Chionanthus virginicus White Fringetree	6' Ht.	B&B
	MAVI	5	Magnolia virginiana Sweetbay Magnolia	8' Ht.	B&B
	OXAR	3	Oxydendrum arboreum Sourwood Tree	6' Ht.	B&B
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER
SHRUBS					
	ARME	8	Aronia melanocarpa Black Chokeberry	5 gal.	Pot
	CAAM	23	Callicarpa americana American Beautyberry	5 gal.	Pot
	CAFL	13	Calycanthus floridus Sweetshrub	5 gal.	Pot
	CEAM	14	Ceanothus americanus New Jersey Tea	3 gal.	Pot
	CEOC	5	Cephalanthus occidentalis Buttonbush	10 gal.	Pot
	CESS	8	Cephalanthus occidentalis 'SMCOSS' TM Sugar Shack Buttonbush	5 gal.	Pot
	FOBL	8	Fothergilla gardenii 'Blue Mist' Blue Mist Dwarf Fothergilla	3 gal.	Pot
	HYQU	24	Hydrangea quercifolia Oakleaf Hydrangea	5 gal.	Pot
	ILGL	24	Ilex glabra Inkberry Holly	5 gal.	Pot
	ILDE	14	Ilex glabra 'Densa' Densa Inkberry Holly	5 gal.	Pot
	ILVE	6	Ilex verticillata Winterberry	10 gal.	Pot
	ITVI	14	Itea virginica 'Sprich' Little Henry® Sweetspire	3 gal.	Pot
	LEFO	15	Leucothoe fontanesiana Drooping Leucothoe	5 gal.	Pot
	LIBE	20	Lindera benzoin Spicebush	10 gal.	Pot

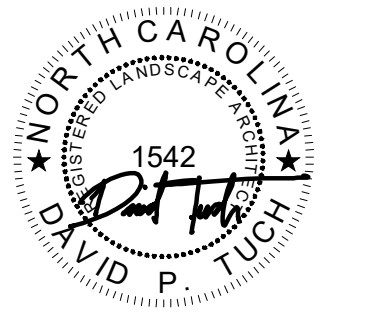
PLANT SCHEDULE						
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING
GROUND COVERS						
	AMHU	46	Amsonia hubrichtii Arkansas Bluestar	1 gal.	Pot	30" o.c.
	DRMA	67	Dryopteris marginalis Marginal Shield Fern	1 gal.	Pot	24" o.c.
	GEMA	43	Geranium maculatum Spotted Geranium	#1	Pot	18" o.c.
	OELE	51	Oenothera lindheimeri 'Whirling Butterflies' Whirling Butterflies Gaura	1 gal.	Pot	24" o.c.
	OSCI	91	Osmunda cinnamomea Cinnamon Fern	#1	Pot	18" o.c.
	PYIN	40	Pycnanthemum incanum Hoary Mountain Mint	1 gal.	Pot	30" o.c.
	PYVI	32	Pycnanthemum virginianum Mountain Mint	#1	Pot	24" o.c.
	VELT	9	Veronicastrum virginicum 'Lavender Towers' Lavender Towers Culver's Root	1 gal.	Pot	36" o.c.
		310 sf	PERENNIAL MIX A			
	GEMA	43	Geranium maculatum Spotted Geranium	#1	Pot	30% @ 18" o.c.
	HEBB	71	Heuchera x 'Blackberry Ice' Dolce® Blackberry Ice Coral Bells	Quart	Pot	50% @ 18" o.c.
	ZIAU	28	Zizia aurea Golden Alexander	Quart	Pot	20% @ 18" o.c.
		794 sf	PERENNIAL MIX B			
	ASTU	61	Asclepias tuberosa Butterfly Milkweed	1 gal.	Pot	30% @ 24" o.c.
	RUFU	81	Rudbeckia fulgida Coneflower	#1	Pot	40% @ 24" o.c.
	STLA	108	Stokesia laevis Stokes' Aster	#1	Pot	30% @ 18" o.c.
		719 sf	PERENNIAL MIX C			
	MOJA	56	Monarda didyma 'Jacob Cline' Jacob Cline Bee Balm	#1	Pot	30% @ 24" o.c.
	PYVI	56	Pycnanthemum virginianum Mountain Mint	#1	Pot	30% @ 24" o.c.
	SONI	133	Sorghastrum nutans 'Indian Steel' Indian Steel Indian Grass	---	Plug	40% @ 18" o.c.
		386 sf	INUNDATION MIX			
	ASTU	20	Asclepias tuberosa Butterfly Milkweed	1 gal.	Pot	20% @ 24" o.c.
	CAST	120	Carex stricta Tussock Sedge	---	Plug	30% @ 12" o.c.
	COVEM	30	Coreopsis verticillata 'Moonbeam' Moonbeam Tickseed	#1	Pot	30% @ 24" o.c.
	ECPUM	10	Echinacea purpurea Coneflower	#1	Pot	10% @ 24" o.c.
	STLA	18	Stokesia laevis Stokes' Aster	#1	Pot	10% @ 18" o.c.
		981 sf	PERENNIAL MIX D			
	EUPU	63	Eutrochium purpureum 'Baby Joe' Baby Joe Dwarf Joe Pye Weed	#1	Pot	25% @ 24" o.c.
	MURE	225	Muhlenbergia reverchonii Seep Muhly	---	Plug	50% @ 18" o.c.
	SORU	30	Solidago rugosa 'Fireworks' Fireworks Wrinkleleaf Goldenrod	#1	Pot	25% @ 36" o.c.
GRASSES & SEDGES						
	ANGE	291	Andropogon gerardii 'Red October' Red October Big Bluestem	---	Plug	24" o.c.
	BOGR	533	Bouteloua gracilis Blue Grama	---	Plug	12" o.c.
	CAPE	152	Carex pensylvanica 'Straw Hat' Straw Hat Pennsylvania Sedge	---	Plug	12" o.c.
	ERSP	313	Eragrostis spectabilis Purple Lovegrass	---	Plug	12" o.c.
	PASH	282	Panicum virgatum 'Shenandoah' Shenandoah Switch Grass	---	Plug	18" o.c.
	SPHE	81	Sporobolus heterolepis Prairie Dropseed	1 gal.	Pot	18" o.c.
SHALLOW WATER						
	DUAR	229	Dulichium arundinaceum Threeway Sedge	---	Plug	15" o.c.
	ELOB	168	Eleocharis obtusa Blunt Spikerush	---	Plug	18" o.c.
	IRVI	173	Iris virginica Blue Flag Iris	---	Plug	12" o.c.
	JUEF	234	Juncus effusus Common Rush	---	Plug	18" o.c.
	ORAQ	74	Orontium aquaticum Goldenclub	---	Bare Root	24" o.c.
	SPAM	101	Sparganium americanum Bur-reed	---	Plug	24" o.c.
SOD/SEED						
	TURF	18,848 sf	Turf Seed Drought Tolerant Fescue Blend	seed		
	SOD1	1,097 sf	Turf Sod Drought Tolerant Fescue Blend	sod		
INUNDATION ZONE						
	CAIT	342	Carex intumescens Bladder Sedge	---	Plug	12" o.c.
	PASH2	23	Panicum virgatum 'Shenandoah' Shenandoah Switch Grass	---	Plug	18" o.c.



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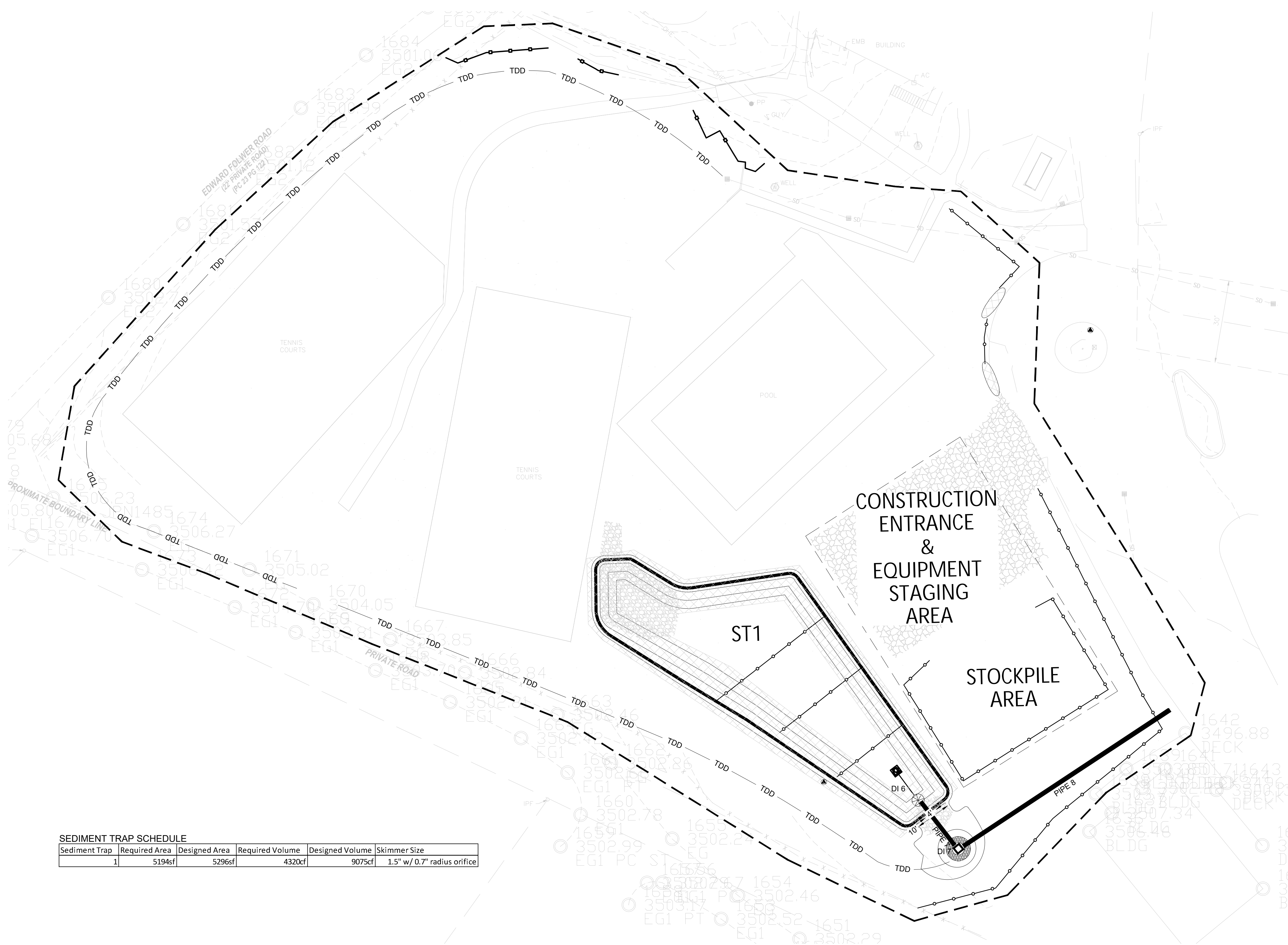
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PLANT
SCHEDULE

L5.3



LEGEND		
SYMBOL	DESCRIPTION	DETAIL
	DISTURBANCE BOUNDARY	
	EROSION CONTROL MATTING	4/ EC2.0
	OUTLET PROTECTION (ENERGY DISSIPATER)	6/ EC2.0
	INLET PROTECTION	1/ EC2.0
	TREE PROTECTION FENCE	
	REINFORCED SILT FENCE	7/ EC2.0
	TEMPORARY DIVERSION DITCH	5/ EC2.0
	TEMPORARY SEED	2/ EC2.1
	SEDIMENT TRAP WITH SKIMMER	1/ EC2.1
	PERMANENT PIPE	
	SEDIMENT SOCK	3/ EC2.1

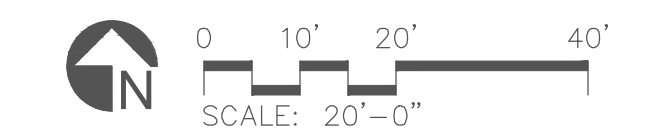
TOTAL DISTURBANCE: 1.82 AC

- EROSION CONTROL MEASURE NOTES:**
- THOROUGHLY REVIEW THE SEDIMENT AND EROSION CONTROL PLAN, ADDING EXTRA AS NECESSARY TO ELIMINATE SEDIMENTATION OFFSITE.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 7TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION. IF THIS OCCURS, NOTIFY LANDSCAPE ARCHITECT.
 - PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
 - ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 - THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED. OTHER MEASURES TO REDUCE TRACKING MAY INCLUDE WASHING DOWN TRACKS OF HEAVY EQUIPMENT.
 - TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS. THESE TEMPORARY BERMS AND DITCHES SHALL BE PROTECTED WITH A ROLLED EROSION AND SEDIMENT CONTROL PRODUCT UNTIL VEGETATION CAN BE ESTABLISHED.
 - LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
 - A COPY OF THE INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
 - INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
 - MINIMIZE SOIL COMPACTION AND, UNLESS UNFEASIBLE, PRESERVE TOPSOIL FOR FUTURE PLANTING.
 - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
 - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC).
 - MAINTAIN ALL BUFFER REQUIREMENTS AS INDICATED ON THE PLAN.
 - THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - 16.1. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - 16.2. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS;
 - 16.3. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - 16.4. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
 - AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS ARE EXPECTED TO BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
 - IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY SHALL CONSTITUTE PART OF THE LAND-DISTURBING ACTIVITY UNLESS THE BORROW OR WASTE ACTIVITY IS REGULATED UNDER THE MINING ACT OF 1971, OR IS A LANDFILL REGULATED BY THE DIVISION OF WASTE MANAGEMENT. IF THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITIES AND MUST BE PERMITTED EITHER THROUGH THE SEDIMENTATION POLLUTION CONTROL ACT AS A ONE-USE BORROW SITE OR THROUGH THE MINING ACT.

Sediment Trap	Required Area	Designed Area	Required Volume	Designed Volume	Skimmer Size
1	5194sf	5296sf	4320cf	9075cf	1.5" w/ 0.7" radius orifice

- EROSION CONTROL SEQUENCE PHASE 1**
- HOLD PRE-CONSTRUCTION MEETING TO IDENTIFY SITE CONSTRAINTS, CONSTRUCTION ROUTING, AND STAGING.
 - INSTALL CONSTRUCTION ENTRANCE AND CONSTRUCTION ACCESS.
 - INSTALL PERIMETER EC MEASURES AROUND AREAS TO BE DEMO-ED, INCLUDING SILT FENCE AND TEMPORARY DIVERSIONS DITCHES TO KEEP UPSLOPE CLEAN WATERS FROM ENTERING THE SITE.
 - ESTABLISH STAGING AREA AND STOCKPILE AREA.
 - INSTALL SEDIMENT TRAP 1.
 - INSTALL DROP INLETS 6 & 7 AND PIPES 7 & 8.
 - CONNECT SKIMMER (REFER TO DETAIL 1/EC2.1) AND SKIMMER SIZE TABLE ON THIS SHEET.

- ONCE THE SEDIMENT TRAP IS FULLY INSTALLED AND FUNCTIONAL WITH A CONNECTED OUTFALL, BEGIN DEMOLITION OF EXISTING FEATURES (REFER TO THE SITE PREPARATION SHEET).
- MASS GRADE FOR NEW FEATURES AND MOVE TO PHASE 2 FOR ADDITIONAL EC MEASURES.
- MAINTAIN EROSION CONTROL DEVICES AS NOTED IN EC DETAILS ON EC2.0 - EC2.1 SHEETS.



DESIGN BY: DRAWN BY: CHECKED BY:

DATE	REVISIONS

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PHASE
BID SET

DATE
August 21, 2024

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AS SHOWN
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DRAWING NAME
EROSION CONTROL PLAN P1

EC1.0

WIMBERLY WATT
144 EDWARD FOWLER ROAD
DB 2255, PG 1364
PIN: 7572-11-5185

EDWARD FOWLER ROAD
22 PRIVATE ROAD
PC 23 PG 124

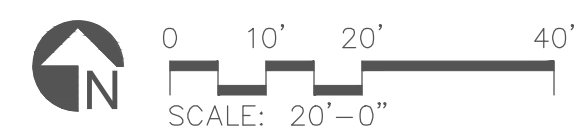
CONRAD A JR FOWLER
151 EDWARD FOWLER ROAD
DB 1148, PG 357
PC 8, PG 692
PIN: 7572-11-9250

NANCY P MCCALL
113 EDWARD FOWLER ROAD
DB 1962, PG 526
PC 6, PG 692
PIN: 7572-10-7766

LEGEND		
SYMBOL	DESCRIPTION	DETAIL
- - - - -	DISTURBANCE BOUNDARY	
	EROSION CONTROL MATTING	4/ EC2.0
▲	OUTLET PROTECTION (ENERGY DISSIPATER)	6/ EC2.0
○	INLET PROTECTION	1/ EC2.0
○-○-○	TREE PROTECTION FENCE	
○-○-○	REINFORCED SILT FENCE	7/ EC2.0
- - - - -	TDD	5/ EC2.0
□	TEMPORARY SEED	2/ EC2.1
⊠	SEDIMENT TRAP WITH SKIMMER	1/ EC2.1
▬	PERMANENT PIPE	
○	SEDIMENT SOCK	3/ EC2.1

TOTAL DISTURBANCE: 1.82 AC

- EROSION CONTROL SEQUENCE**
PHASE 2
AFTER FOLLOWING THE EROSION CONTROL SEQUENCE OUTLINED FOR THE PREVIOUS PHASE, THEN PROCEED AS FOLLOWS:
- AFTER MASS GRADING, IF ANY PORTION OF THE DISTURBED SITE IS TO NOT BE MANIPULATED WITHIN 7 DAYS, STABILIZE WITH SEED AND STRAW.
 - MAINTAIN UTILIZATION OF THE PRIMARY CONSTRUCTION ENTRANCE. MAINTAIN THE CONSTRUCTION ENTRANCE PER DETAIL TO MINIMIZE SEDIMENTATION FROM CONSTRUCTION TRAFFIC OFF SITE.
 - INSTALL SWALES, PIPES, AND REMAINING DROP INLETS.
 - INSTALL ALL CHECKS, WATTLES, AND INLET PROTECTION.
 - FINE GRADE AND INSTALL HARD SURFACES.
 - SEED AND STRAW ALL DISTURBED AREAS OUTSIDE OF NEW FEATURES AS INDICATED ON THE PLAN (~0.62AC).
 - MAINTAIN EROSION CONTROL MEASURES.
 - ADD ADDITIONAL EC MEASURES AS NECESSARY.
 - INSTALL ALL REMAINING SITE ELEMENTS.
 - PRIOR TO CLOSING OUT OF THE SEDIMENT TRAP AND CONVERTING TO THE PERMANENT SCM, ENSURE THAT THE FULL SITE IS STABLE.
 - CONVERT THE SEDIMENT TRAP TO SCM1 PER DETAIL.
 - ONCE THE SITE IS FULLY STABLE, REMOVE ALL REMAINING EC DEVICES.
 - CONTACT THE AUTHORITY HAVING JURISDICTION FOR CLOSE-OUT OF THE LAND DISTURBING PERMIT.



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DESIGN BY: DRAWN BY: CHECKED BY:

DATE	REVISIONS

Jackson County Parks & Recreation
JACKSON COUNTY SPLASH PAD
42 Community Pl.
Cashiers, NC 28717

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DRAWING NAME
EROSION CONTROL PLAN P2

EC1.1



LEGEND		
SYMBOL	DESCRIPTION	DETAIL
	DISTURBANCE BOUNDARY	
	EROSION CONTROL MATTING	4/ EC2.0
	OUTLET PROTECTION (ENERGY DISSIPATER)	6/ EC2.0
	INLET PROTECTION	1/ EC2.0
	TREE PROTECTION FENCE	
	REINFORCED SILT FENCE	7/ EC2.0
	TDD	5/ EC2.0
	TEMPORARY SEED	2/ EC2.1
	SEDIMENT TRAP WITH SKIMMER	1/ EC2.1
	PERMANENT PIPE	
	SEDIMENT SOCK	3/ EC2.1

TOTAL DISTURBANCE: 1.82 AC

- DRAINAGE DELINEATION**
- DRAINAGE TO INLET PROTECTION
 - DRAINAGE TO SEDIMENT TRAP
 - DRAINAGE TO SEDIMENT SOCK AND SILT FENCE

WIMBERLY WATT
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DB 2255, PG 1364
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DB 1962, PG 526
PC 6, PG 692
PIN: 7572-10-7766



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DATE	REVISIONS

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JACKSON COUNTY SPLASH PAD
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Cashiers, NC 28717

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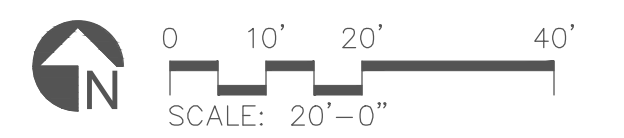
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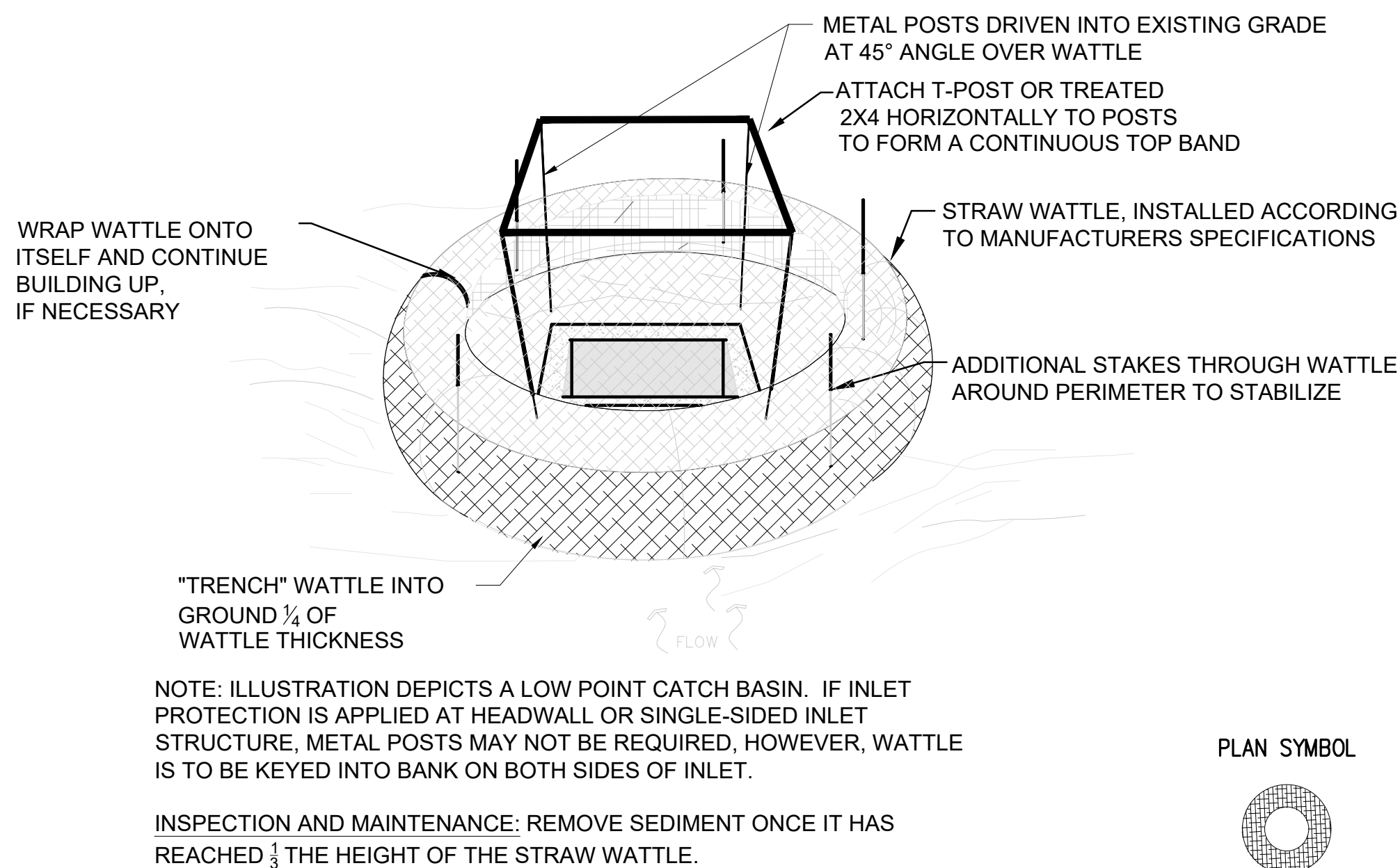
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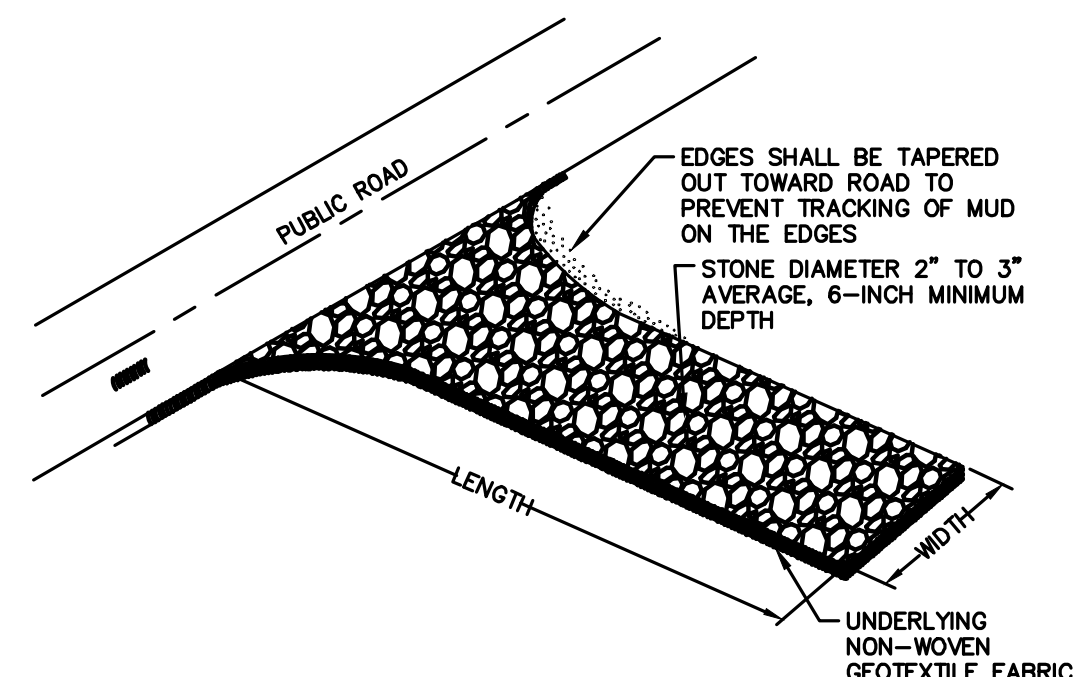
DRAWING NAME
DRAINAGE DELINEATION PLAN

EC1.2





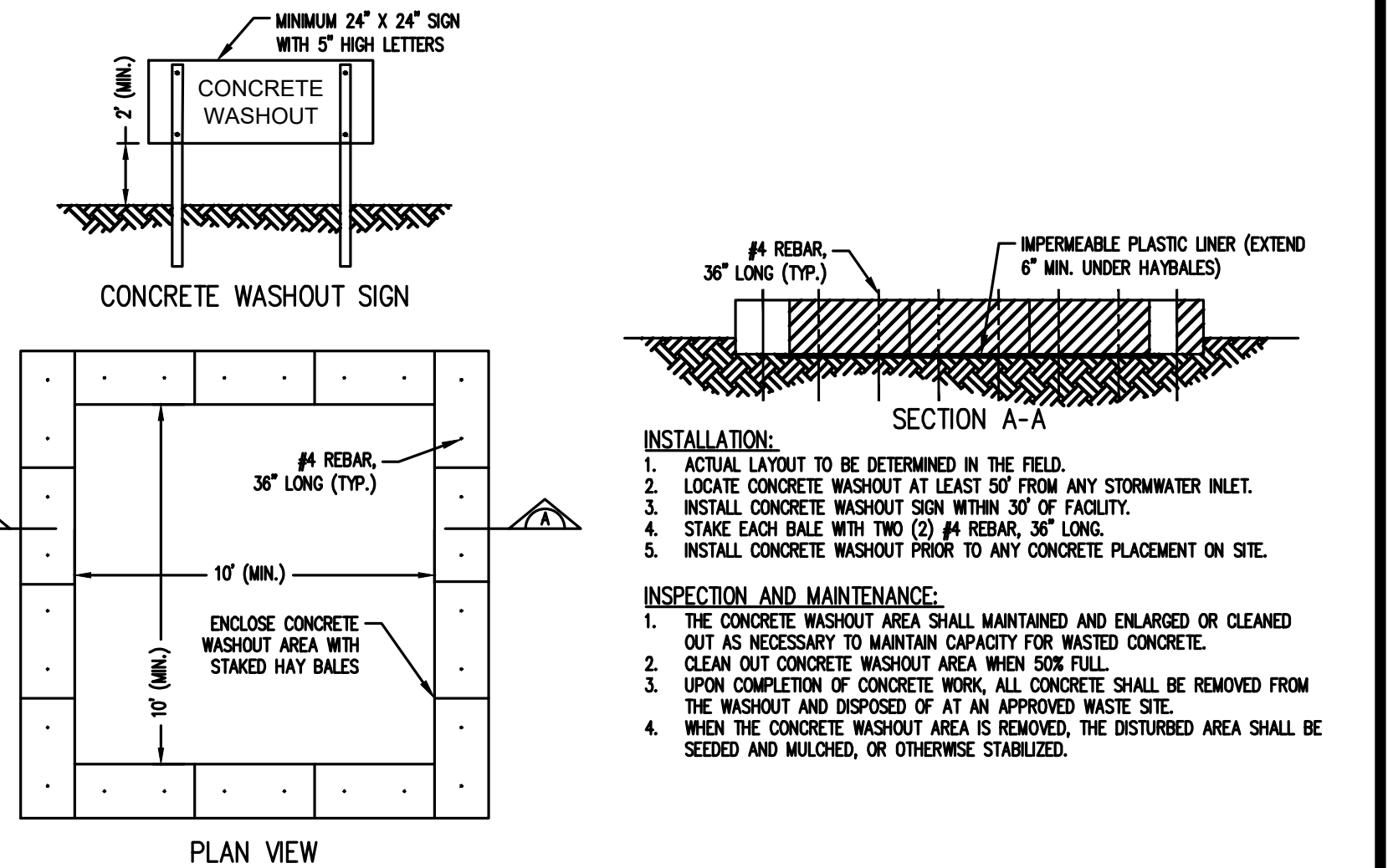
1 INLET PROTECTION
NOT TO SCALE



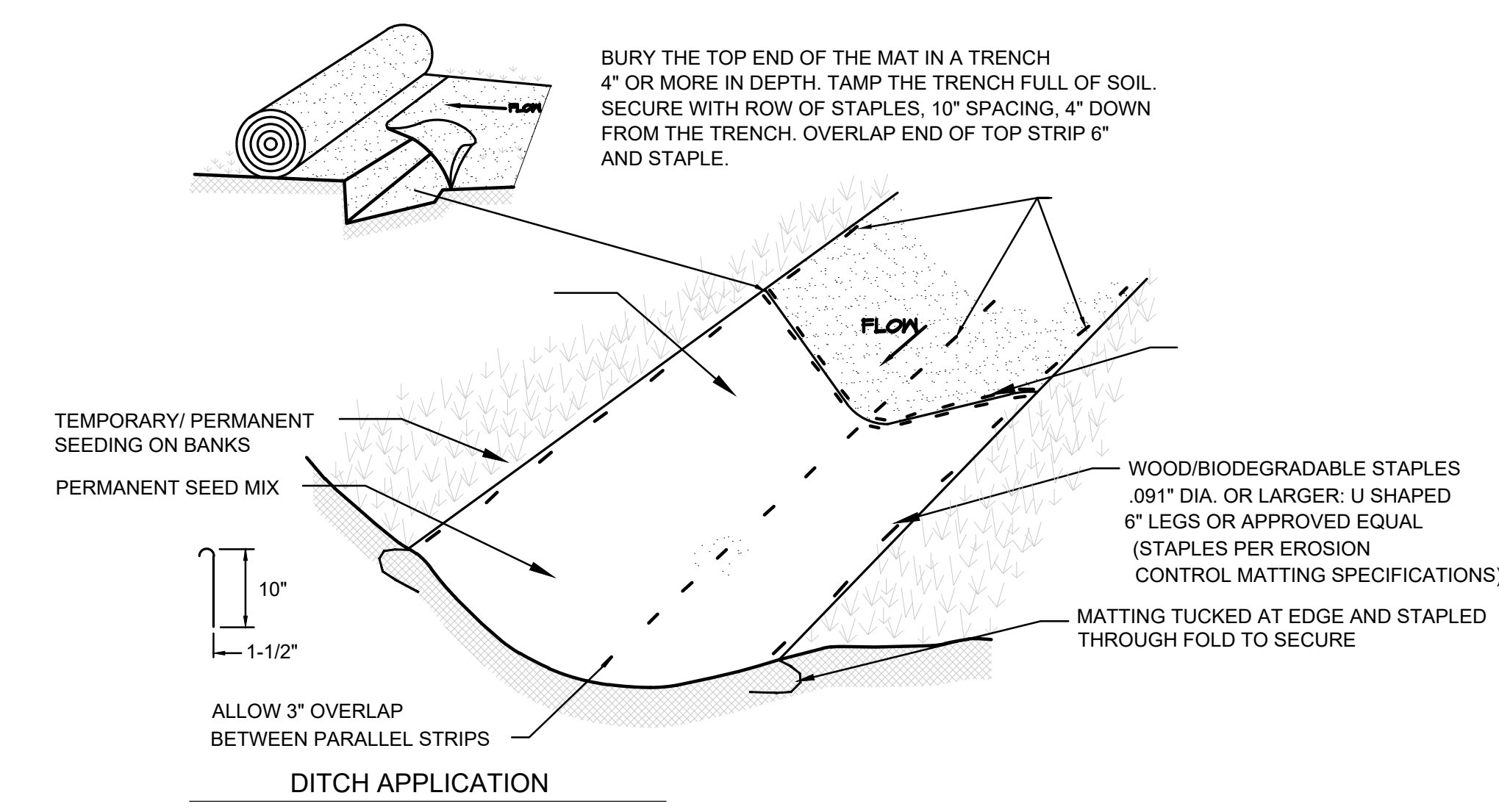
- INSTALLATION:**
1. STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL EGRESS/INGRESS A CONSTRUCTION SITE ONTO A PUBLIC ROAD OR ANY IMPERVIOUS SURFACE, SUCH AS A PARKING LOT.
 2. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.
 3. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHERE NEEDED TO PROVIDE POSITIVE DRAINAGE.
 4. LIMESTONE MAY NOT BE USED FOR THE STONE PAD.
- INSPECTION AND MAINTENANCE:**
1. INSPECT THE CONSTRUCTION ENTRANCE AT LEAST ONCE PER CALENDAR WEEK. CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. INSPECTIONS MAY BE NEEDED TO BE MORE FREQUENT DURING LONG PERIODS OF WET WEATHER.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 3. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 4. IMMEDIATELY REMOVE ANY MUD OR SEDIMENT TRACKED ONTO ADJACENT IMPERVIOUS SURFACES BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER IS DIRECTED TO A SEDIMENT TRAP OR BASIN.
 5. REMOVE CONSTRUCTION ENTRANCE ONLY AFTER THE SITE HAS REACHED FINAL STABILIZATION. PERMANENT VEGETATION SHOULD REPLACE AREAS WHERE THE CONSTRUCTION ENTRANCE HAS BEEN REMOVED UNLESS THE AREA WILL BE CONVERTED TO AN IMPERVIOUS SURFACE TO SERVE POST-CONSTRUCTION.

2 CONSTRUCTION ENTRANCE
NOT TO SCALE

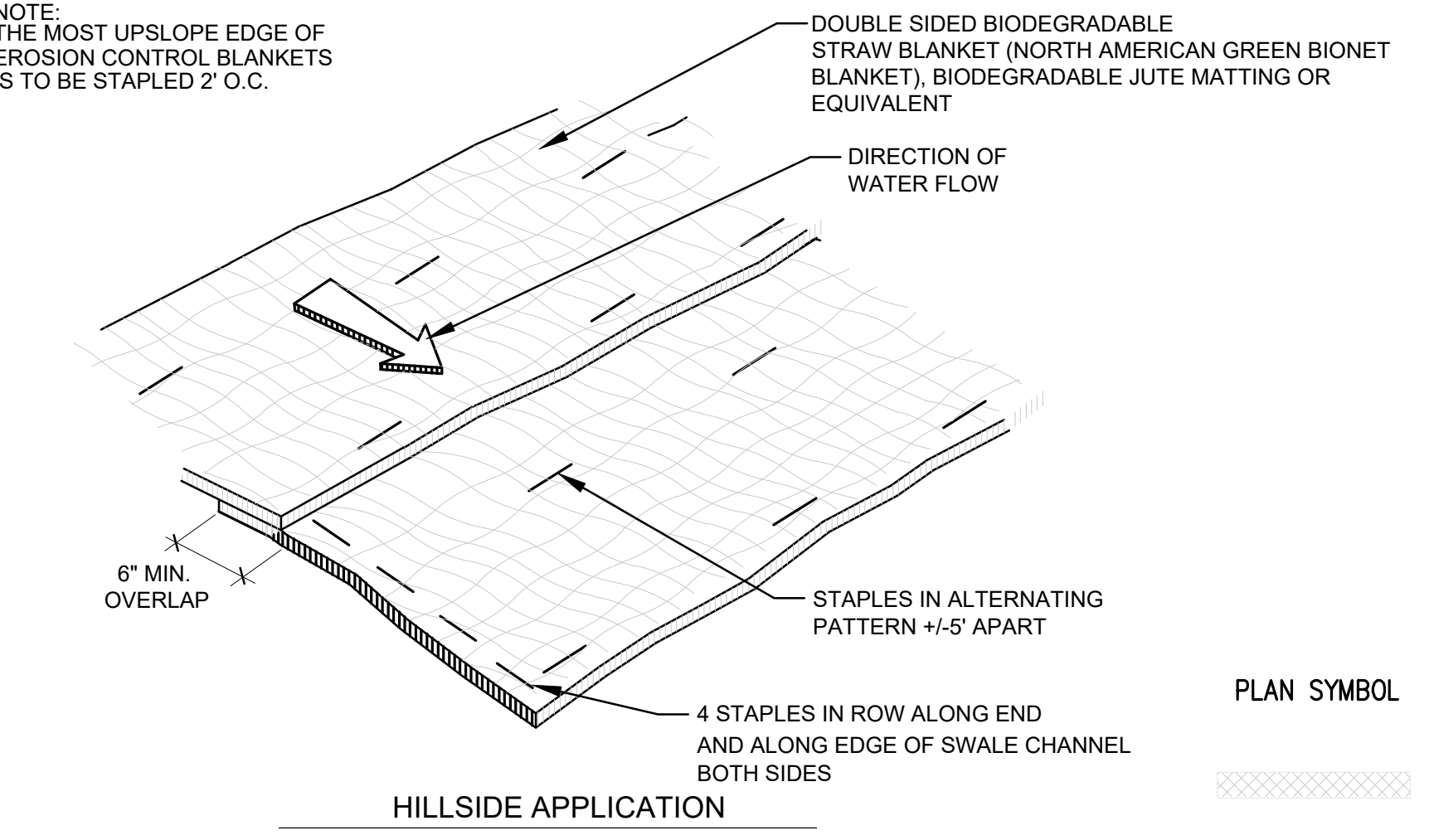
	LENGTH (MIN.)	WIDTH (MIN.)
PROJECT	100 FEET	24 FEET
INDIVIDUAL LOT	20 FEET	15 FEET



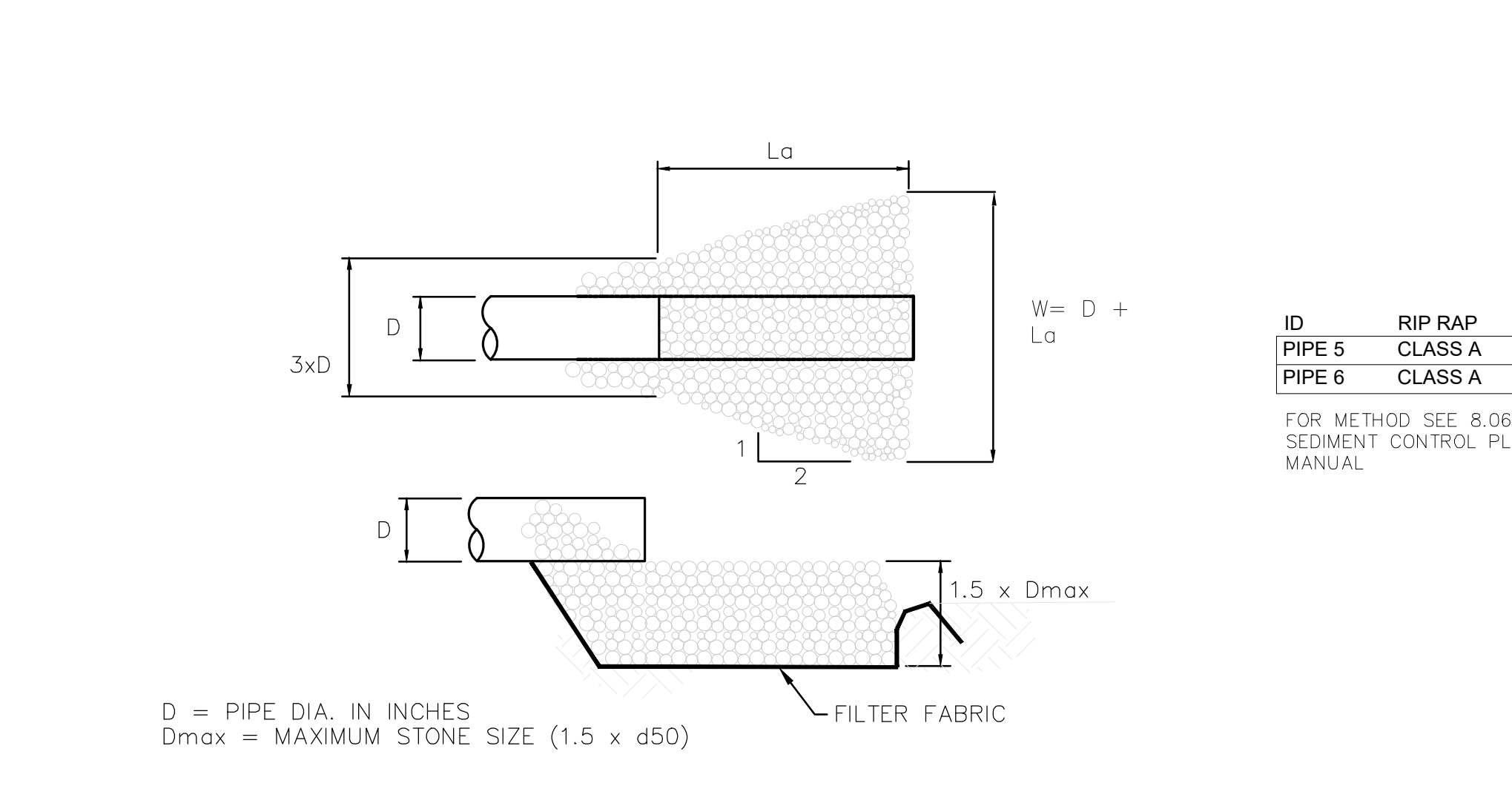
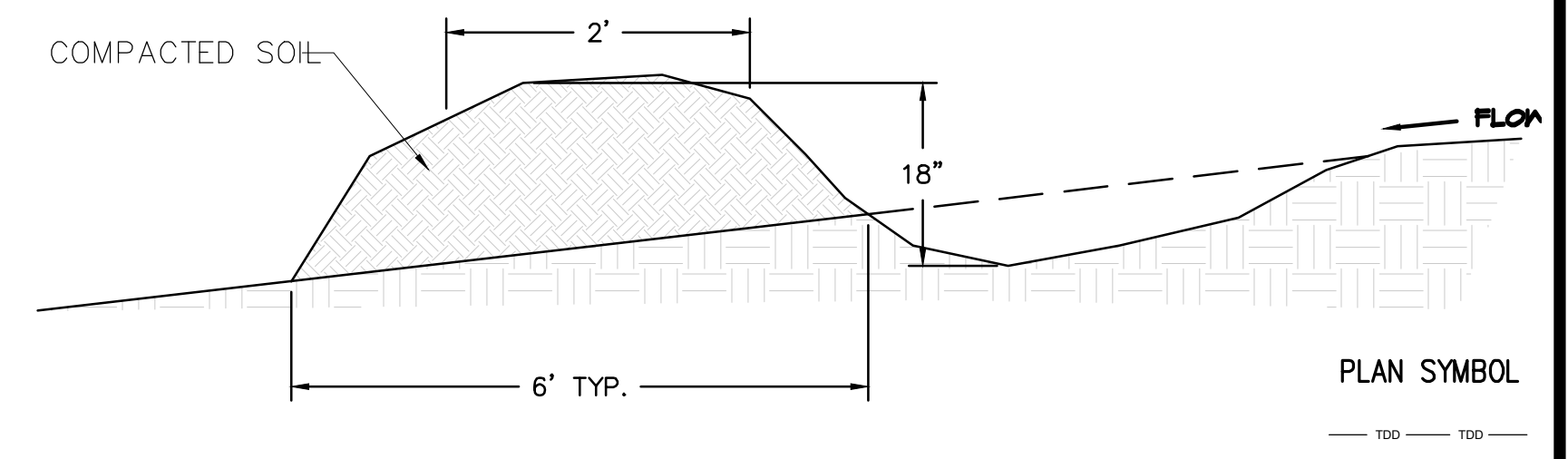
3 CONCRETE WASHOUT
NOT TO SCALE



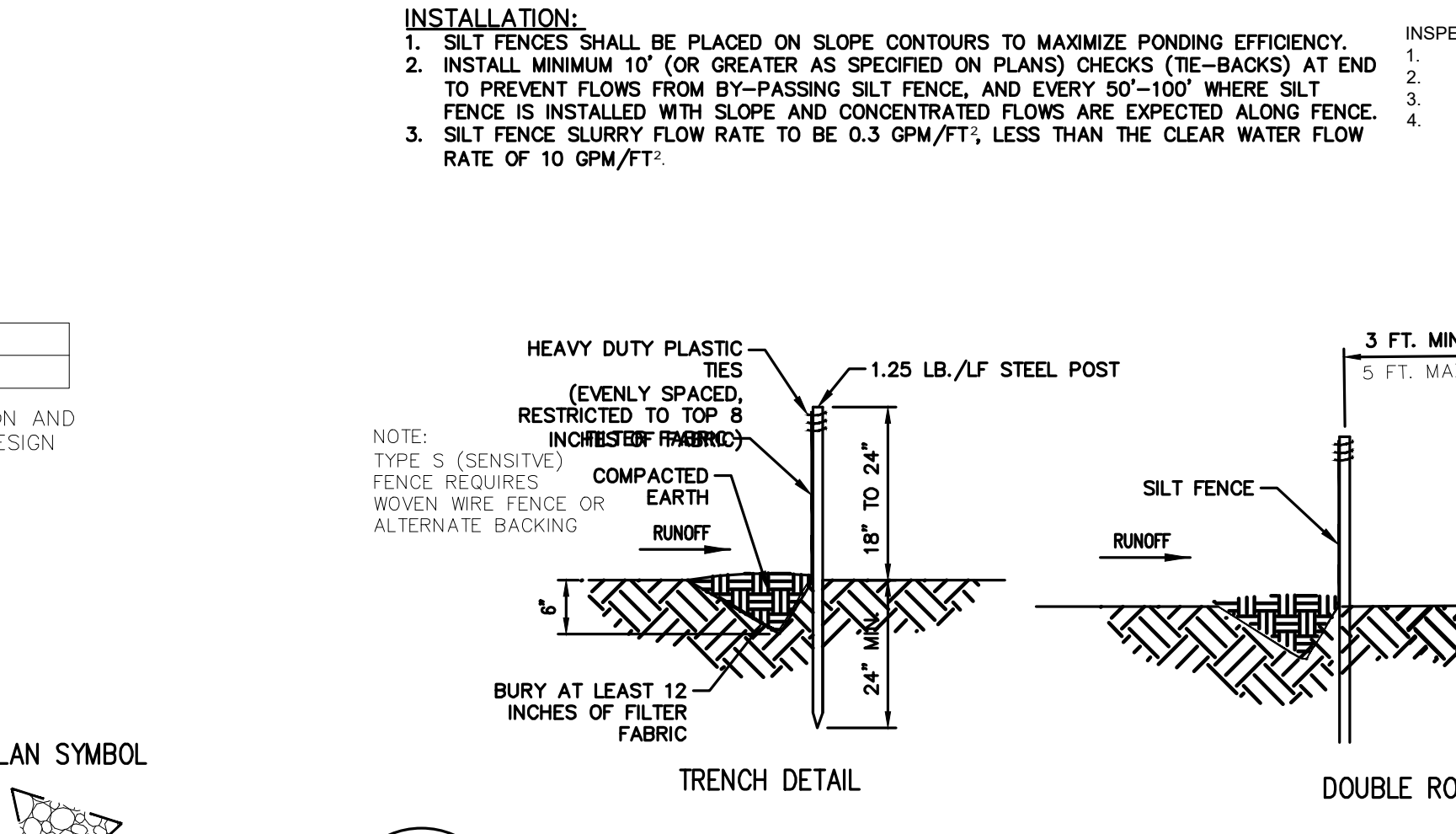
4 EROSION CONTROL MATTING
NOT TO SCALE



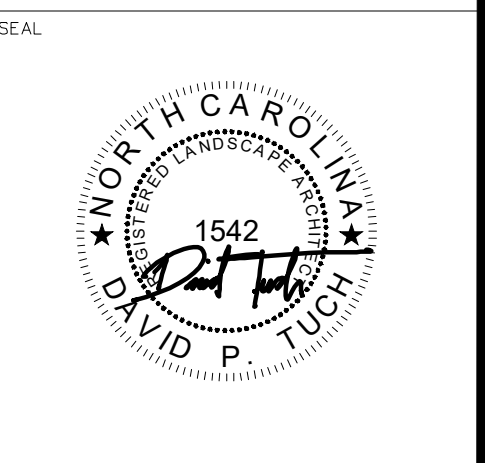
5 TEMPORARY DIVERSION DITCH
NOT TO SCALE



6 OUTLET PROTECTION
NOT TO SCALE



7 REINFORCED SILT FENCE
NOT TO SCALE



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DATE	REVISIONS

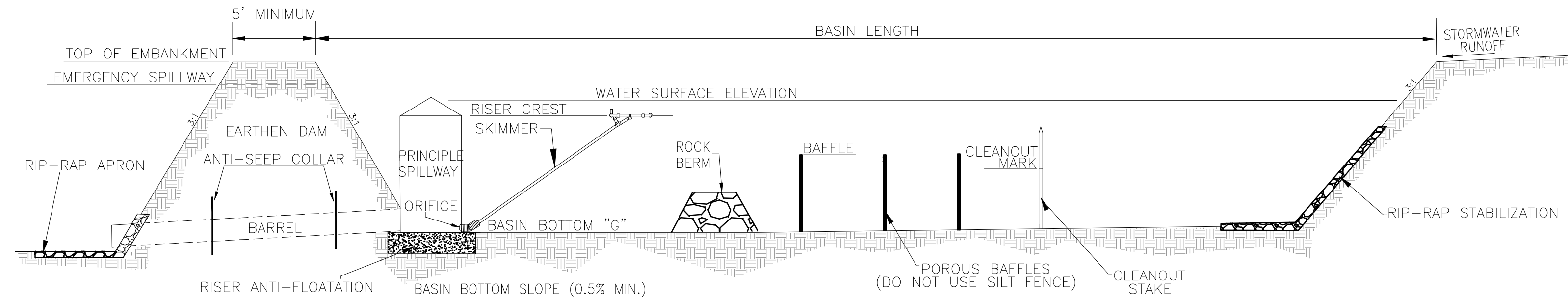
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DRAWING NAME: EROSION CONTROL DETAILS



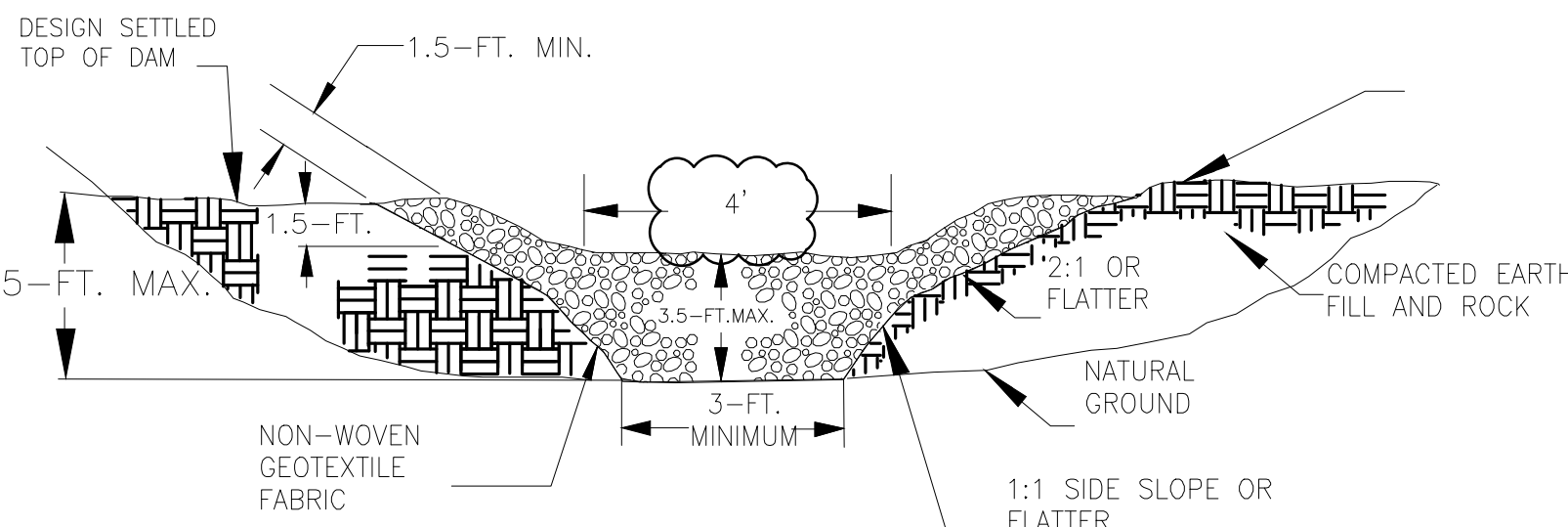
A. OVERALL SECTION

GENERAL NOTES

- Sediment traps should not be placed in Waters of the State or USGS blue-line streams (unless approved by Federal Authorities).
- Both outlet berm and stone apron shall have an underlying layer of non-woven geotextile filter fabric.
- All internal side slopes of the sediment trap should be 2.5:1 or flatter.
- A sediment cleanout stake should be installed and marked to remove sediment at 50% of the sediment storage volume.
- After construction of each sediment trap, the area disturbed to construct the trap should be promptly stabilized, including all side slopes.
- The following sediment trap requirements shall be maintained:
 - Maximum embankment height shall be 5-feet.
 - Maximum riprap outlet height shall be 3.5-feet.
 - Minimum flow length at top of riprap outlet shall be 5-feet.
- Install per NC DEQ Erosion Control Manual.

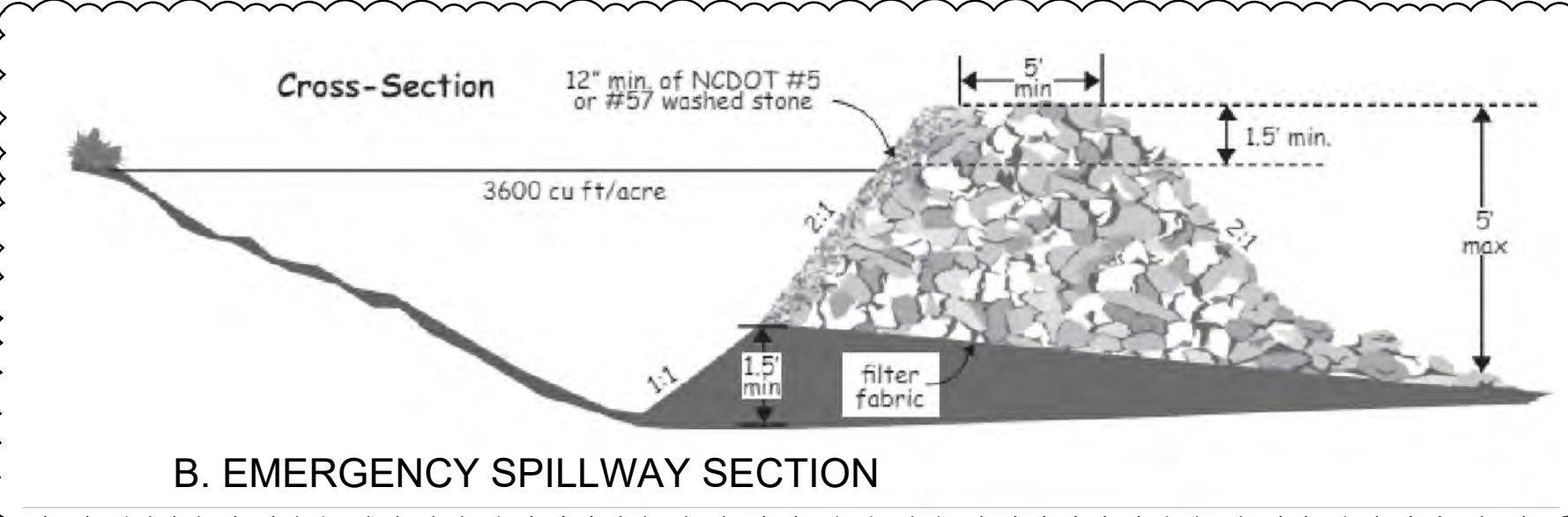
INSPECTION AND MAINTENANCE

- The key to a functional sediment trap is weekly inspections, routine maintenance and regular sediment removal.
- Attention to sediment accumulations within the trap is extremely important. Accumulated sediment deposition should be continually monitored in the trap and removed when necessary.
- Remove accumulated sediment when it reaches 50% of the designed sediment storage volume as marked by the cleanout stake.
- Removed sediment from the trap shall be placed in stockpile storage areas or spread thinly across the disturbed area. Stabilize the removed sediment after it is relocated.
- Regular inspections of sediment traps should be conducted once every calendar week and, as recommended and within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Disturbed areas resulting from the removal of the sediment trap should be permanently stabilized and additional BMPs such as silt fence, should be utilized to handle stormwater runoff from this disturbed area until final stabilization is reached.

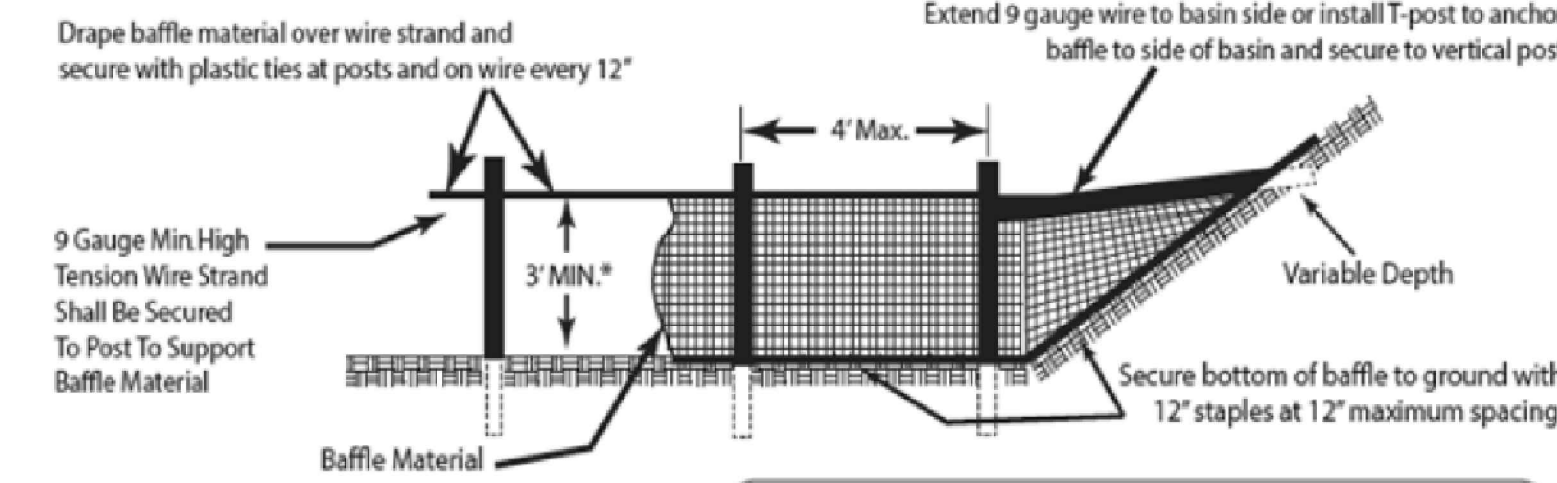


B. EMERGENCY SPILLWAY SECTION

- Spillway to allow sediment storage of 2' min. and be a maximum of 3.5' above grade.
- Place non-woven geotextile fabric on-grade below riprap to avoid piping.
- Spillway to be 1.5' in depth, a min. od 4' in width, and a min. of 5' in length.



Cross-Section



* If the temporary sediment basin will be converted to a permanent stormwater basin of greater depth, the baffle height should be based on the pool depth during use as a temporary sediment basin.

Note: Install three (3) coir fiber baffles in basins at drainage outlets with a spacing of 1/4 the basin length. Two (2) coir fiber baffles can be installed in the basins less than 20 ft. in length with a spacing of 1/3 the basin length.

C. BAFFLE DETAIL

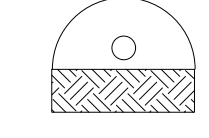
MATERIALS

- Use matting made of 100% coconut fiber (coir) twine woven into high strength matrix with the properties shown in Table 6.65a.
- Staples should be made of 0.125 inch diameter new steel wire formed into a "U" shape not less than 12 inches in length with a throat of 1 inch in width. The staples anchor the porous baffles into the sides and bottom of the basin.
- Ensure that steel posts for porous baffles are of a sufficient height to support baffles at desired height. Posts should be approximately 1-3/8" wide measured parallel to the fence, and have a minimum weight of 1.25 lbs/linear ft. The posts must be equipped with an anchor plate having a minimum area of 14.0 square inches and be of the self-fastener angle steel type to have a means of retaining wire and coir fiber mat in the desired position without displacement.
- Use 9-gauge high tension wire for support wire.

Coir Fiber Baffle Material Property Requirements	
Thickness	0.30 in. minimum
Tensile Strength (Wet)	900 x 680 lb/ft minimum
Elongation (Wet)	69% x 34% maximum
Flow Velocity	10-12 ft/sec
Weight	20 oz/SY (660 g/m ²) minimum
Minimum Width	6.5 feet
Open Area	50% maximum

The percent of surface area for each section of the baffle is as follows:
 • inlet zone: 25%
 • first cell: 25%
 • second cell: 25%
 • outlet zone: 25%
 Baffle spacing in future permanent stormwater basins is beyond for-bay.
 Be sure to construct baffles up the sides of the trap or basin banks so water does not flow around the structures. Most of the sediment will be captured in the inlet zone. Smaller particle size sediments are captured in the latter cells. Be sure to maintain access to the trap for maintenance and sediment removal.
 The design life of the fabric is 6-12 months, but may need to be replaced more often if damaged or clogged.

PLAN SYMBOL



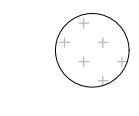
1 SEDIMENT TRAP WITH SKMMER

NOT TO SCALE

- NOTES:
- SEE PLANTING & REVEGETATION SPECIFICATIONS FOR MORE INFORMATION ON SEED APPLICATION AND ESTABLISHMENT.
 - CONTRACTOR TO KEEP RECORD OF SEED PURCHASE AND APPLICATION RATES FOR FINAL INSPECTION (BAGS & RECEIPTS).
 - GROUND STABILIZATION REQUIRED IN (7) SEVEN DAYS ON PERIMETER AREAS AND SLOPES GREATER THAN 3:1, AND GROUND STABILIZATION IN (14) DAYS ON OTHER AREAS

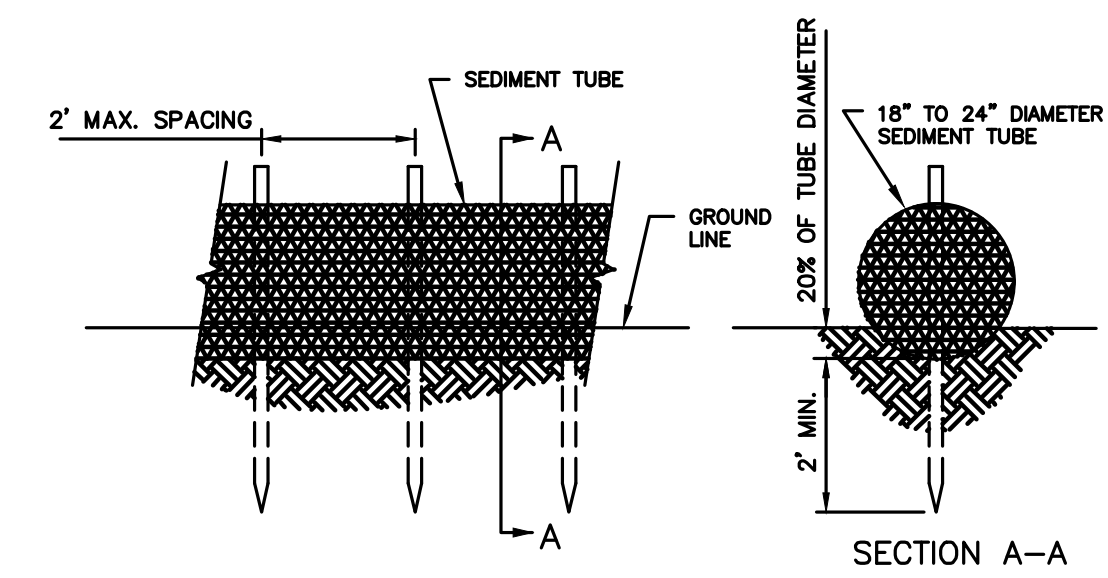
	TEMPORARY SEEDING SCHEDULE	PERMANENT SEEDING SCHEDULE												
SUMMER	<p>TEMPORARY SEEDING MUST OCCUR WHEN DENUDEED AREAS WILL NOT BE BROUGHT TO FINAL GRADE WITHIN 7 CALENDAR DAYS (SEE NOTE 3 ABOVE).</p> <p>SEEDING MIXTURE:</p> <table border="1"> <tr> <th>SPECIES</th> <th>RATE (LB/ACRE)</th> </tr> <tr> <td>GERMAN MILLET</td> <td>40</td> </tr> <tr> <td>PARTRIDGE PEA</td> <td>10</td> </tr> </table> <p>A small-stemmed sudangrass may be substituted for Partridge Pea at a rate of 50 lb/acre.</p> <p>SEEDING DATES: May 15-Aug 15</p>	SPECIES	RATE (LB/ACRE)	GERMAN MILLET	40	PARTRIDGE PEA	10	<p>PERMANENT SEEDING MUST OCCUR WITHIN 14 CALENDAR DAYS OF FINAL GRADING. COVER CROPS (TEMPORARY SEEDING) TO BE ADDED TO PERMANENT SEEDING MIXES IF NO TEMPORARY SEEDING HAS BEEN PLACED PREVIOUSLY.</p> <p>PERMANENT SEEDING MIXES:</p> <table border="1"> <tr> <th>SPECIES</th> <th>RATE (LB/ACRE)</th> </tr> <tr> <td>GERMAN MILLET</td> <td>40</td> </tr> <tr> <td>PARTRIDGE PEA</td> <td>10</td> </tr> </table> <p>REFERENCE PLANTING PLAN SHEET L5.3 FOR PERMANENT SEED MIXES</p>	SPECIES	RATE (LB/ACRE)	GERMAN MILLET	40	PARTRIDGE PEA	10
SPECIES	RATE (LB/ACRE)													
GERMAN MILLET	40													
PARTRIDGE PEA	10													
SPECIES	RATE (LB/ACRE)													
GERMAN MILLET	40													
PARTRIDGE PEA	10													
WINTER & EARLY SPRING	<p>SEEDING MIXTURE:</p> <table border="1"> <tr> <th>SPECIES</th> <th>RATE (LB/ACRE)</th> </tr> <tr> <td>ANNUAL (WINTER) RYE GRASS</td> <td>60</td> </tr> <tr> <td>PARTRIDGE PEA</td> <td>10</td> </tr> </table> <p>A small-stemmed sudangrass may be substituted for Partridge Pea at a rate of 50 lb/acre.</p> <p>SEEDING DATES: Feb 1-May 15</p>	SPECIES	RATE (LB/ACRE)	ANNUAL (WINTER) RYE GRASS	60	PARTRIDGE PEA	10	<p>SOIL AMENDMENTS: Physically or chemically treat all exotic invasive plants before amending soil. Apply lime and fertilizer according to soil tests or apply 4,000 lb/acre ground agricultural limestone and 1,000 lb/acre 5-10-10 fertilizer.</p> <p>SOIL PREPARATION: Soil impacted by construction must be loosened prior to seeding by means of disking or raking. Seedbed shall be well-pulverized, loose, and uniform. All stones larger than three (3) inches, sticks, roots, and other extraneous materials shall be removed. Apply seed uniformly with a cyclon seeder, drop-type spreader, drill or hydro-seeder. Cover broadcast seed by lightly raking, then firm surface with roller or cultipacker. Cut or disc temporary seeding cover crop prior to seeding.</p>						
SPECIES	RATE (LB/ACRE)													
ANNUAL (WINTER) RYE GRASS	60													
PARTRIDGE PEA	10													
FALL	<p>SEEDING MIXTURE:</p> <table border="1"> <tr> <th>SPECIES</th> <th>RATE (LB/ACRE)</th> </tr> <tr> <td>ANNUAL (WINTER) RYE GRASS</td> <td>60</td> </tr> <tr> <td>PARTRIDGE PEA</td> <td>10</td> </tr> </table> <p>A small-stemmed sudangrass may be substituted for Partridge Pea at a rate of 50 lb/acre.</p> <p>SEEDING DATES: Aug 15-Dec 30</p>	SPECIES	RATE (LB/ACRE)	ANNUAL (WINTER) RYE GRASS	60	PARTRIDGE PEA	10	<p>SEED PREPARATION: If banks exceed 4:1, apply seed, lime, and apply mulch.</p> <p>MULCH: Apply 4,000-5,000 lb/acre grain straw or equivalent cover of another suitable, weed-free mulching material. Use a spray-on growth (mulch) matrix (Flexterra: FGM or equal) for slope embankments that exceed 3:1 slopes.</p> <p>MAINTENANCE: Mow or cut back no more than once a year. Refertilize in the second year unless growth is fully adequate. Reseed, fertilize, and mulch damaged areas immediately. Weed during first 2 years of establishment.</p>						
SPECIES	RATE (LB/ACRE)													
ANNUAL (WINTER) RYE GRASS	60													
PARTRIDGE PEA	10													
GENERAL	<p>SOIL AMENDMENTS: Follow recommendation of soil tests. Use only amendments safe for riparian areas.</p> <p>MULCH: Apply 4,000 lb/acre straw. Anchor straw by tacking.</p> <p>MAINTENANCE: Refertilize if growth is not fully adequate. Topdress with 50 lb/acre of nitrogen in March (if applicable). If it is necessary to extend temporary cover beyond June 15th overseed with mixes provided. Reseed, re-fertilize and mulch immediately following erosion or other damage.</p>	<p>SEED PREPARATION: If banks exceed 4:1, apply seed, lime, and apply mulch.</p> <p>MULCH: Apply 4,000-5,000 lb/acre grain straw or equivalent cover of another suitable, weed-free mulching material. Use a spray-on growth (mulch) matrix (Flexterra: FGM or equal) for slope embankments that exceed 3:1 slopes.</p> <p>MAINTENANCE: Mow or cut back no more than once a year. Refertilize in the second year unless growth is fully adequate. Reseed, fertilize, and mulch damaged areas immediately. Weed during first 2 years of establishment.</p>												

PLAN SYMBOL



2 SEEDING SCHEDULE

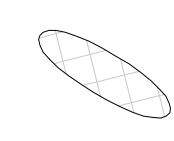
NOT TO SCALE



- INSTALLATION:**
- INSTALL SEDIMENT TUBES BY LAYING THEM FLAT ON THE GROUND. CONSTRUCT A SMALL TRENCH TO A DEPTH THAT IS 20% OF THE SEDIMENT TUBE DIAMETER. LAY THE SEDIMENT TUBE IN THE TRENCH AND COMPACT THE UPSTREAM SEDIMENT TUBE SOIL INTERFACE. INSTALL ALL SEDIMENT TUBES SO NO GAPS EXIST BETWEEN THE SOIL TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT. NEVER STACK SEDIMENT TUBES ON TOP OF ONE ANOTHER.
 - SHOULD SEDIMENT TUBE BECOME DAMAGED DURING INSTALLATION, PLACE A STAKE ON BOTH SIDES OF THE DAMAGED AREA TERMINATING THE TUBE SEGMENT AND INSTALL NEW TUBE SEGMENT.
 - INSTALL SEDIMENT TUBES USING WOODEN STAKES (1" X 1") OR STEEL POSTS (STANDARD 1/2" OR 3/4" SECTIONS WITH A MINIMUM WEIGHT OF 1.25 POUNDS PER FOOT) A MINIMUM OF 4 FEET IN LENGTH PLACED ON 2' CENTERS. INTERTWINE THE STAKES WITH THE OUTER MESH ON THE DOWNSTREAM SIDE, AND DRIVE THE STAKES INTO THE GROUND TO A MINIMUM DEPTH OF 2' LEAVING LESS THAN 1' OF STAKE ABOVE THE EXPOSED SEDIMENT TUBE.

- INSPECTION AND MAINTENANCE:**
- INSPECT SEDIMENT TUBES AFTER INSTALLATION FOR GAPS UNDER THE SEDIMENT TUBES AND FOR GAPS BETWEEN THE JOINTS OF ADJACENT ENDS OF SEDIMENT TUBES. REPAIR RILLS, GULLIES, AND ALL UNDERCUTTING NEAR SEDIMENT TUBES. SEDIMENT TUBES SHALL ALSO BE INSPECTED AT LEAST ONCE EVERY CALENDAR WEEK.
 - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SEDIMENT TUBE.
 - LARGE DEBRIS, TRASH, AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF THE SEDIMENT TUBE WHEN FOUND.
 - REMOVE AND/OR REPLACE INSTALLED SEDIMENT TUBES AS REQUIRED TO ADAPT TO CHANGING CONSTRUCTION SITE CONDITIONS.
 - SEDIMENT TUBES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
 - REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT AND DISPOSE PROPERLY. BACKFILL ALL DEPRESSIONS AND GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE SEDIMENT TUBES.

PLAN SYMBOL



3 SEDIMENT TUBE

NOT TO SCALE



DESIGN BY: DRAWN BY: CHECKED BY:

08/17/24		
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1 ADDED SHEETS: DIMENSIONS

Jackson County Parks & Recreation
JACKSON COUNTY SPLASH PAD
 42 Community Pl.
 Cashiers, NC 28717

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PHASE: **BID SET**

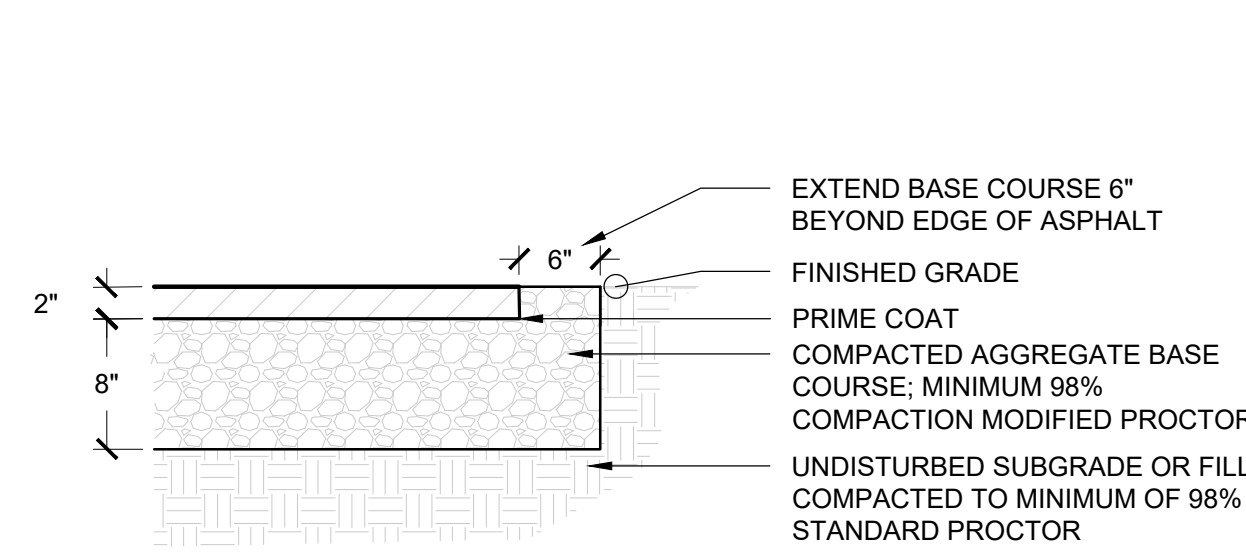
DATE: **August 21, 2024**

DRAWING SCALE: **AS SHOWN**

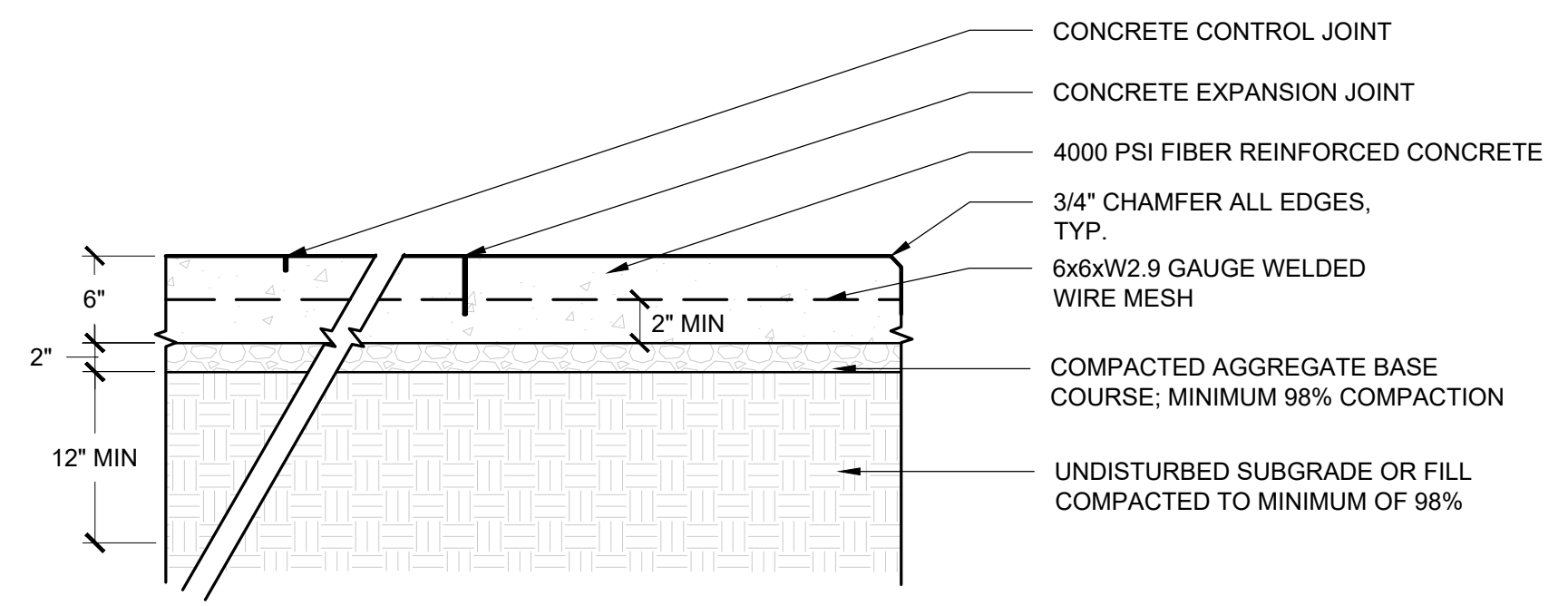
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DRAWING NAME: **EROSION CONTROL DETAILS**

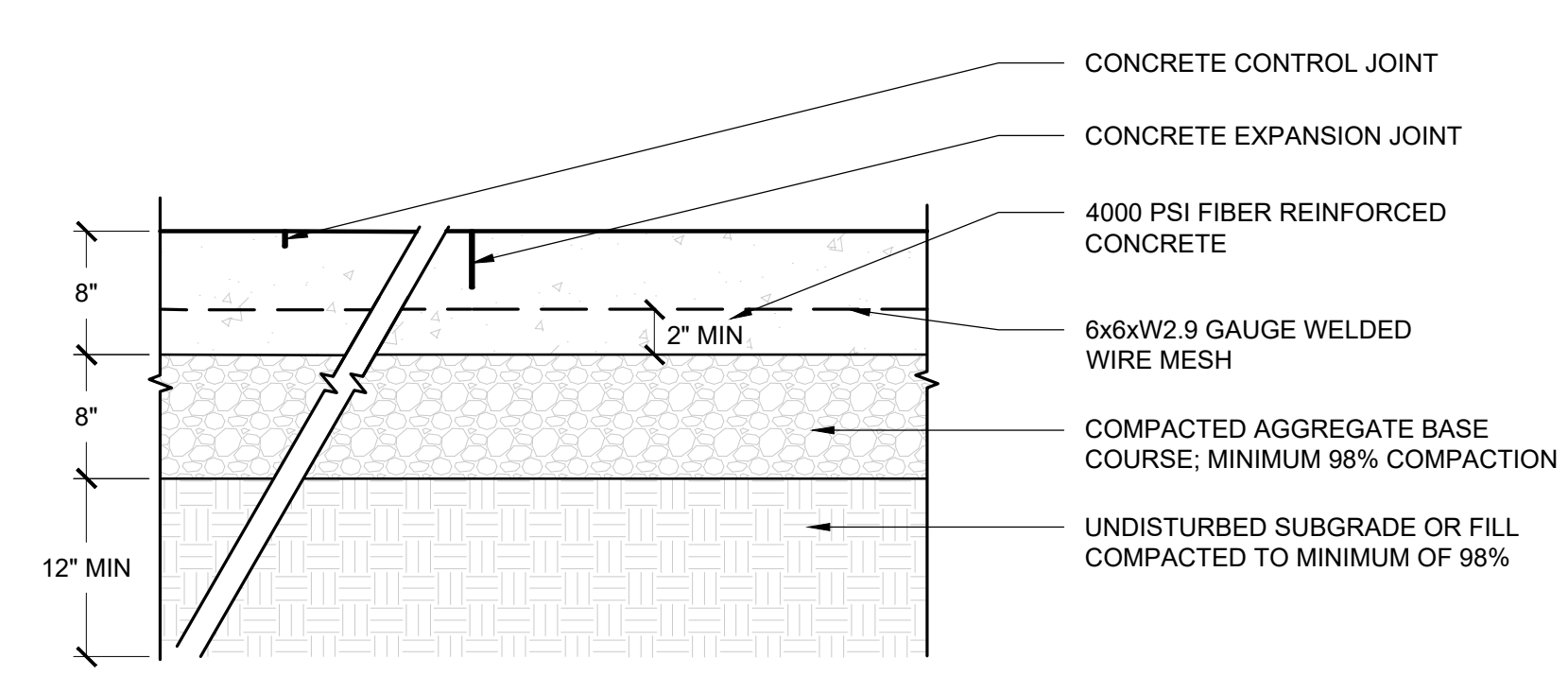
EC2.1



- NOTES:**
1. ALL PAVING WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE NC DOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
 2. ALL ASPHALT PAVEMENT AND BASE COURSE THICKNESS SPECIFIED SHALL BE AFTER COMPACTION.
 3. SUBGRADE AND BASE COURSE SHALL BE MECHANICALLY COMPACTION (ROLLED) IN ACCORDANCE WITH ASTM D698).
 4. POSITIVE DRAINAGE IS REQUIRED FOR ALL FINISHED GRADES OF BASE COURSES AND SURFACE COURSES TO ENSURE PROPER DRAINAGE AND NO SETTLING OCCURS (MIN. 1%).



- NOTES:**
1. CONCRETE TO BE 1/2" TO 3/4" ABOVE THE GRADE IF ADJACENT TO VEGETATED SURFACE AND FLUSH WITH HARD SURFACE TO ACHIEVE POSITIVE DRAINAGE.
 2. PLACE A 1/8" SAW CUT CONTROL JOINT AS SHOWN ON PLAN TO 1 1/2" DEPTH.
 3. PLACE A 1/8" EXPANSION JOINT AT EVERY MATERIAL CHANGE.
 4. DEFAULT FINISH MEDIUM BROOM. FOR DEVIATIONS, SEE MATERIALS PLAN, SHEET L2.0.

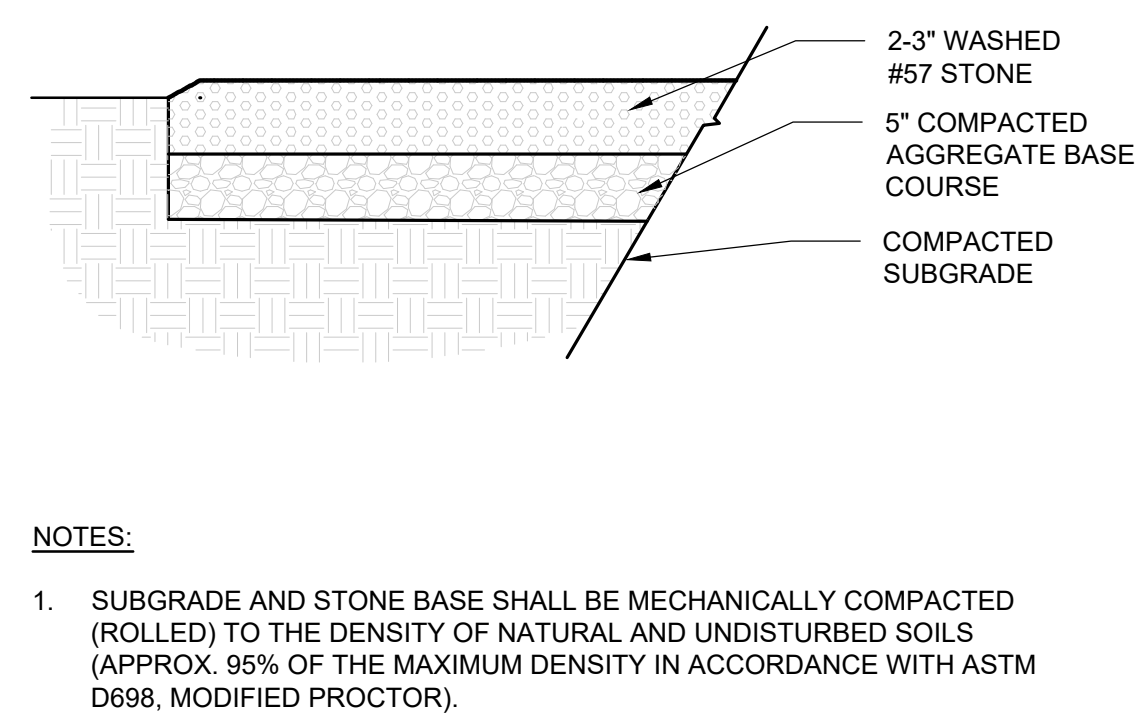
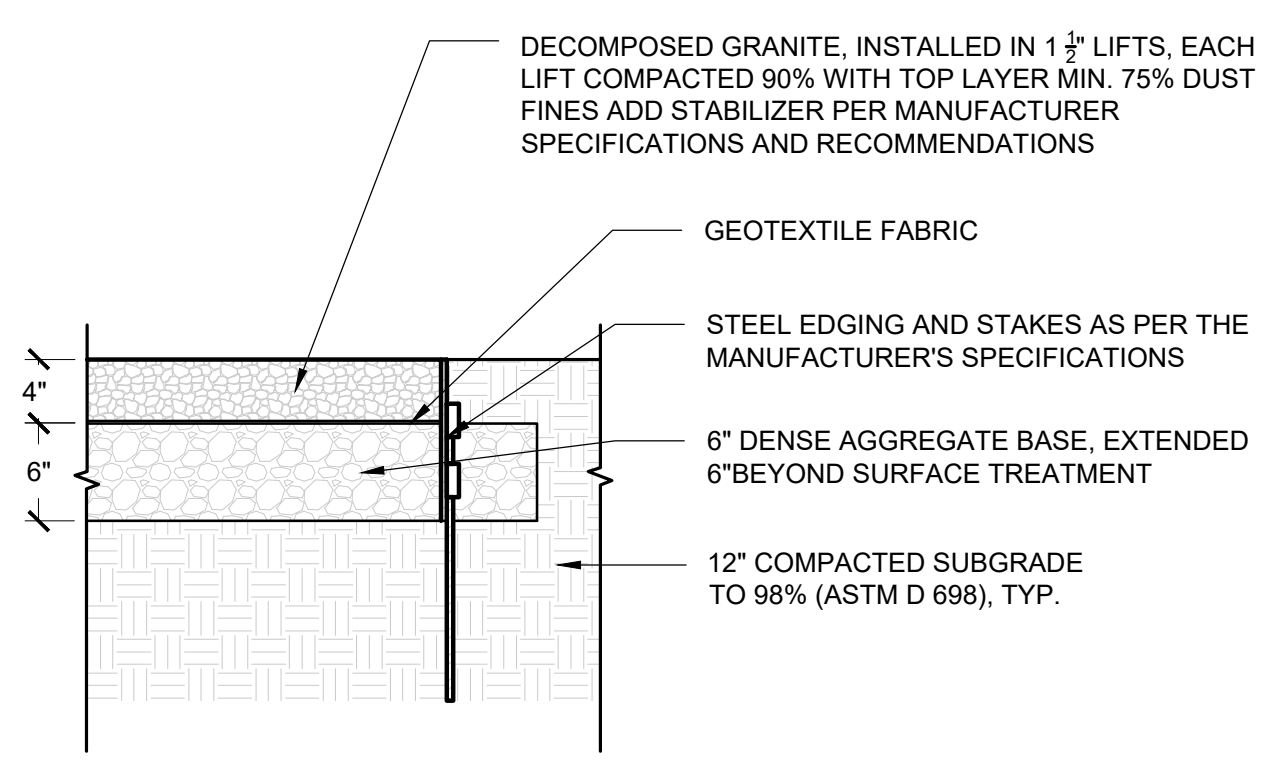


- NOTES:**
1. CONCRETE TO BE 1/2" TO 3/4" ABOVE THE GRADE IF ADJACENT TO A VEGETATED SURFACE AND FLUSH WITH HARD SURFACE TO ACHIEVE POSITIVE DRAINAGE.
 2. PLACE A 1/8" SAW CUT CONTROL JOINT AS SHOWN ON PLAN TO 1 1/2" DEPTH.
 3. PLACE A 1/8" EXPANSION JOINT AT EVERY MATERIAL CHANGE.
 4. FINISH PER MATERIALS PLAN, SHEET L2.0.

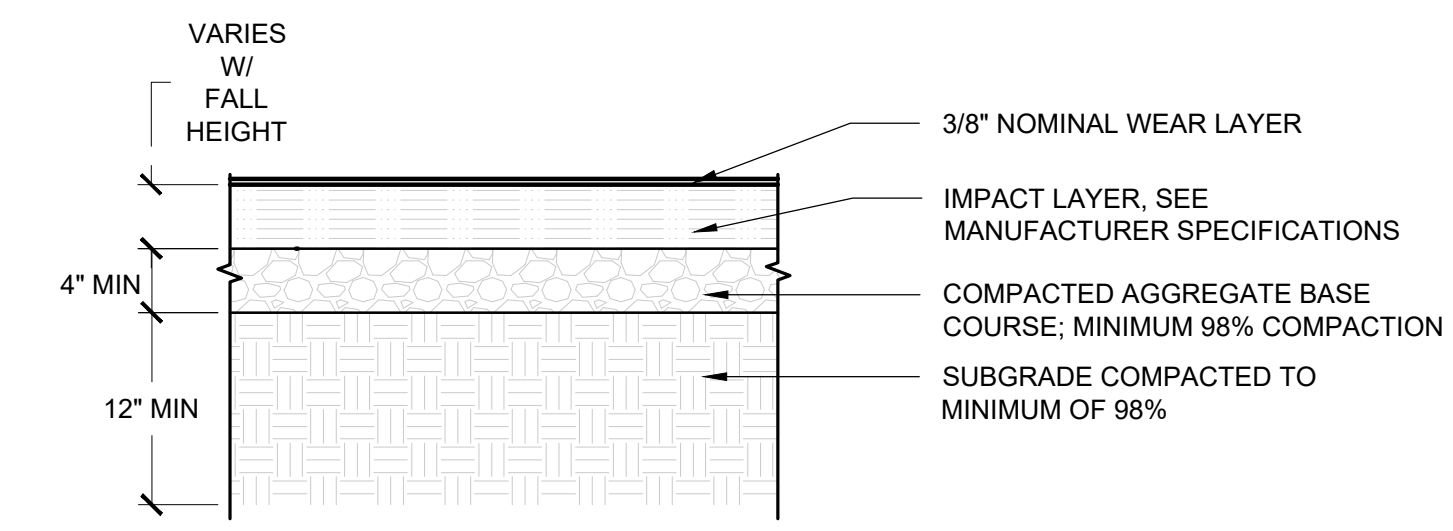
1 ASPHALT PAVING - PEDESTRIAN
L6.0 1"=1"

2 CONCRETE PAVING - PEDESTRIAN
L6.0 1"=1"

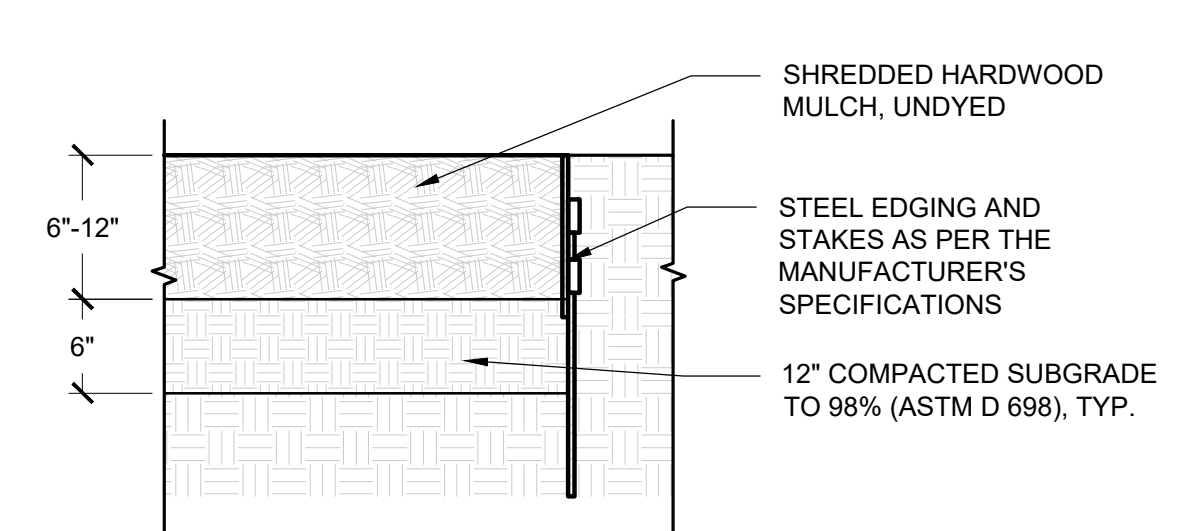
3 CONCRETE PAVING - VEHICULAR
L6.0 1"=1"



- NOTES:**
1. SUBGRADE AND STONE BASE SHALL BE MECHANICALLY COMPACTION (ROLLED) TO THE DENSITY OF NATURAL AND UNDISTURBED SOILS (APPROX. 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698, MODIFIED PROCTOR).



- NOTES:**
1. SURFACE TO BE 1/2" TO 3/4" ABOVE THE GRADE IF ADJACENT TO VEGETATED SURFACE AND FLUSH WITH HARD SURFACE TO ACHIEVE POSITIVE DRAINAGE.
 2. PLACE A 1/8" EXPANSION JOINT AS RECOMMENDED BY MANUFACTURER.



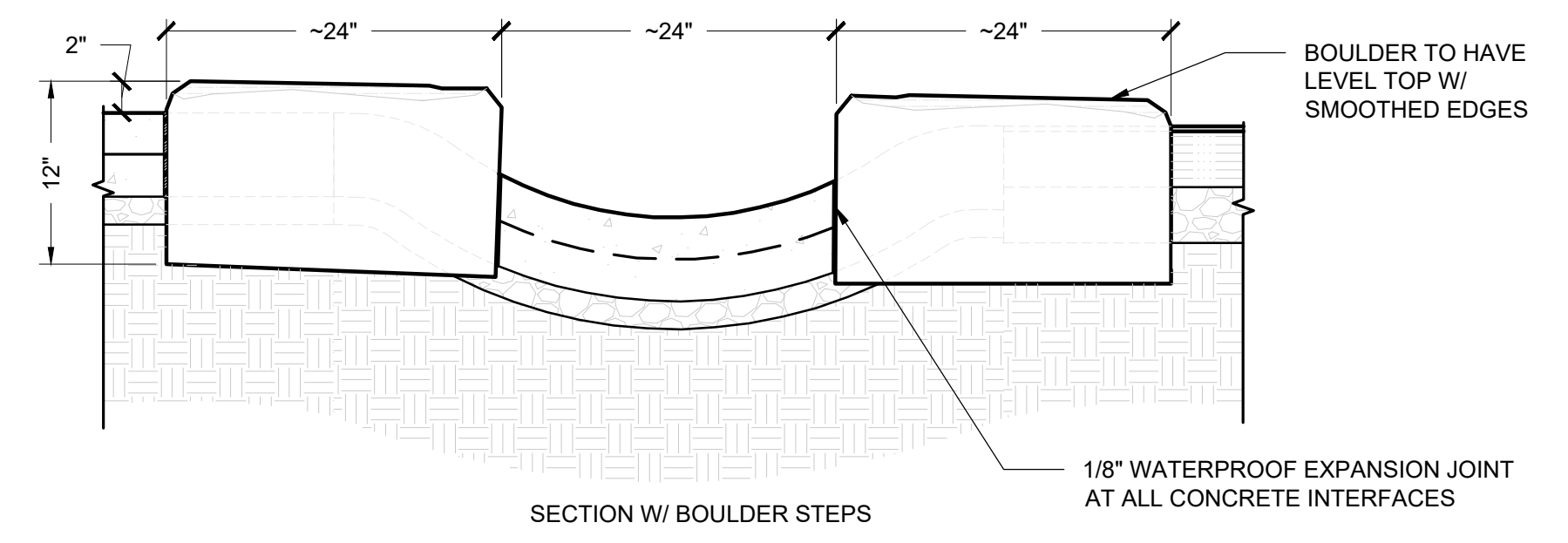
- NOTES:**
1. WITHIN FALL ZONES, MULCH DEPTH TO BE 9" MINIMUM.

4 DECOMPOSED GRANITE PAVING
L6.0 1"=1"

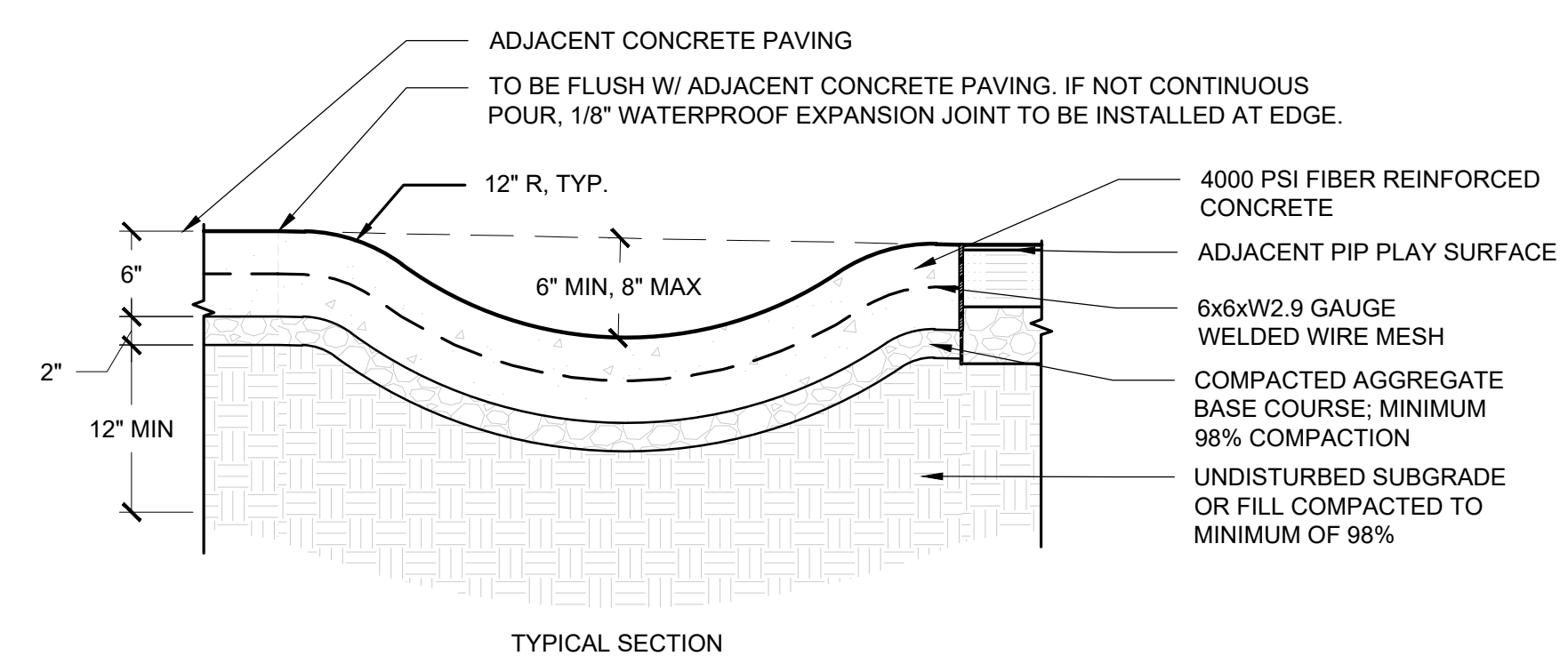
5 COMPACTED GRAVEL PAVING
L6.0 1"=1"

6 PLAY SURFACE - POUR IN PLACE
L6.0 1"=1"

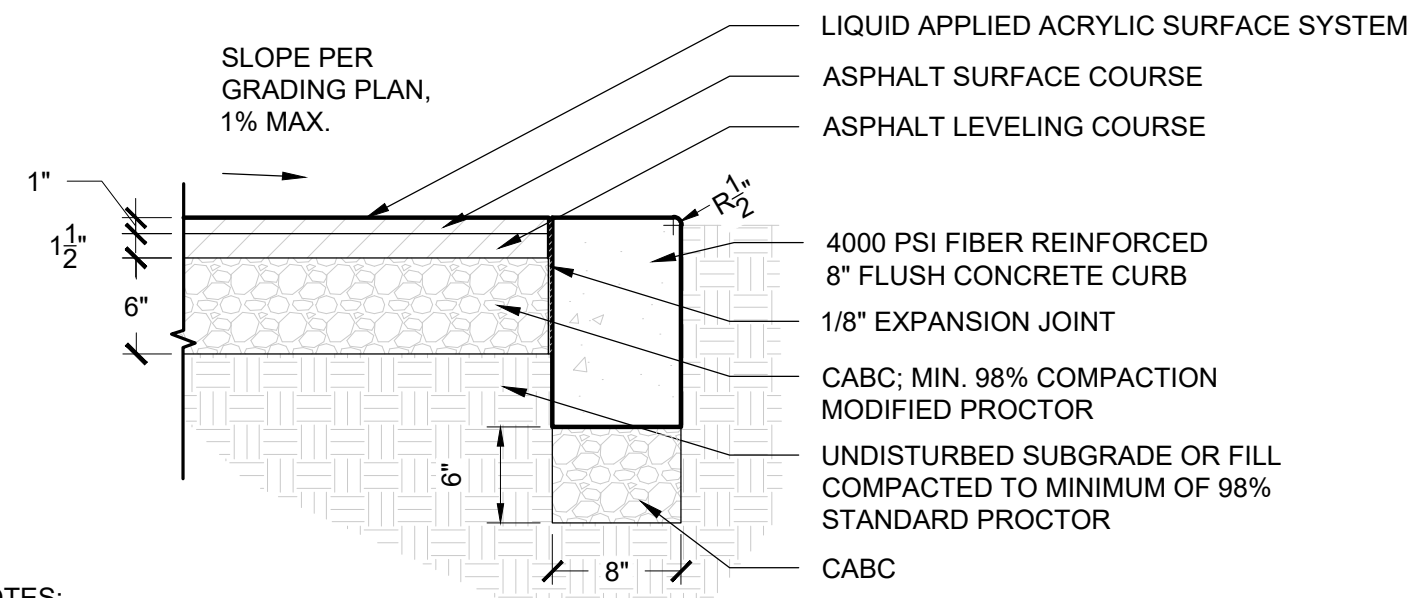
7 PLAY SURFACE - MULCH
L6.0 1"=1"



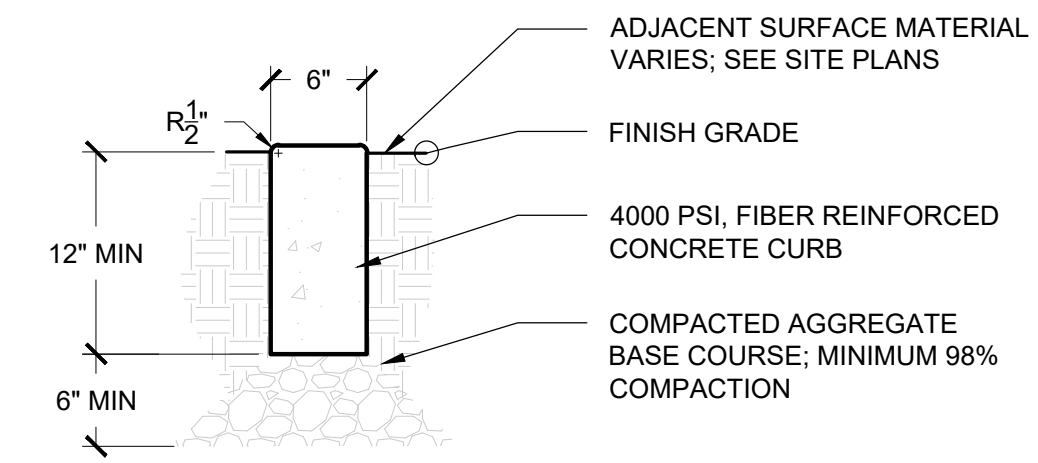
SECTION W/ BOULDER STEPS



- NOTES:**
1. CONCRETE TO BE FLUSH WITH ADJACENT HARD SURFACE TO ACHIEVE POSITIVE DRAINAGE. SEE GRADING PLAN.
 2. FINISH TO BE EXPOSED AGGREGATE.
 3. SEE SPLASH PAD PLAN FOR BUBBLER AND DRAIN INFORMATION.



- NOTES:**
1. CONCRETE CURB TO BE 1/2" TO 3/4" ABOVE THE GRADE IF ADJACENT TO VEGETATED SURFACE AND FLUSH WITH COURT SURFACE TO ACHIEVE POSITIVE DRAINAGE. CONCRETE FINISH TO BE MEDIUM BROOM.
 2. ALL ASPHALT PAVEMENT AND BASE COURSE THICKNESS SPECIFIED SHALL BE AFTER COMPACTION.
 3. SUBGRADE AND BASE COURSE SHALL BE MECHANICALLY COMPACTION (ROLLED) IN ACCORDANCE WITH ASTM D698).
 4. POSITIVE DRAINAGE IS REQUIRED FOR ALL FINISHED GRADES OF BASE COURSES AND SURFACE COURSES TO ENSURE PROPER DRAINAGE AND NO SETTLING OCCURS (MIN. 1%).
 5. LANDSCAPE ARCHITECT TO APPROVE SURFACE COLOR SELECTION.

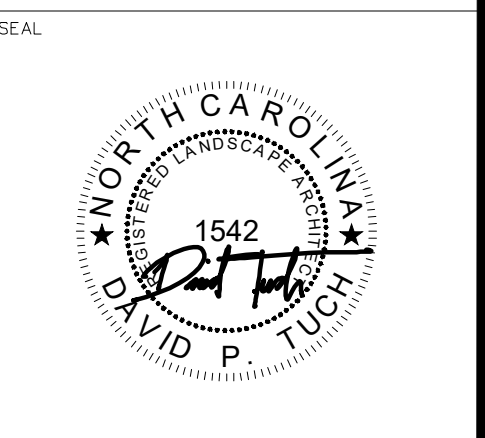


- NOTES:**
1. CONCRETE CURB TO BE 1/2" TO 3/4" ABOVE THE GRADE IF ADJACENT TO VEGETATED SURFACE AND FLUSH WITH ADJACENT HARDSCAPE TO ACHIEVE POSITIVE DRAINAGE. CONCRETE FINISH TO BE MEDIUM BROOM.
 2. SUBGRADE AND BASE COURSE SHALL BE MECHANICALLY COMPACTION (ROLLED) IN ACCORDANCE WITH ASTM D698).
 3. POSITIVE DRAINAGE IS REQUIRED FOR ALL FINISHED GRADES OF BASE COURSES AND SURFACE COURSES TO ENSURE PROPER DRAINAGE AND NO SETTLING OCCURS (MIN. 1%).

8 PLAY STREAM
L6.0 1"=1"

9 COURT PAVING WITH FLUSH CONCRETE CURB
L6.0 1"=1"

10 FLUSH CONCRETE CURB - 6"
L6.0 1"=1"



NOTE: Drawings are invalid without signed stamp by professional.

DESIGN BY:	DRAWN BY:	CHECKED BY:
DATE	DATE	DATE
REVISIONS	DATE	DESCRIPTION

Jackson County Parks & Recreation
JACKSON COUNTY SPLASH PAD
42 Community Pl.
Cashiers, NC 28717

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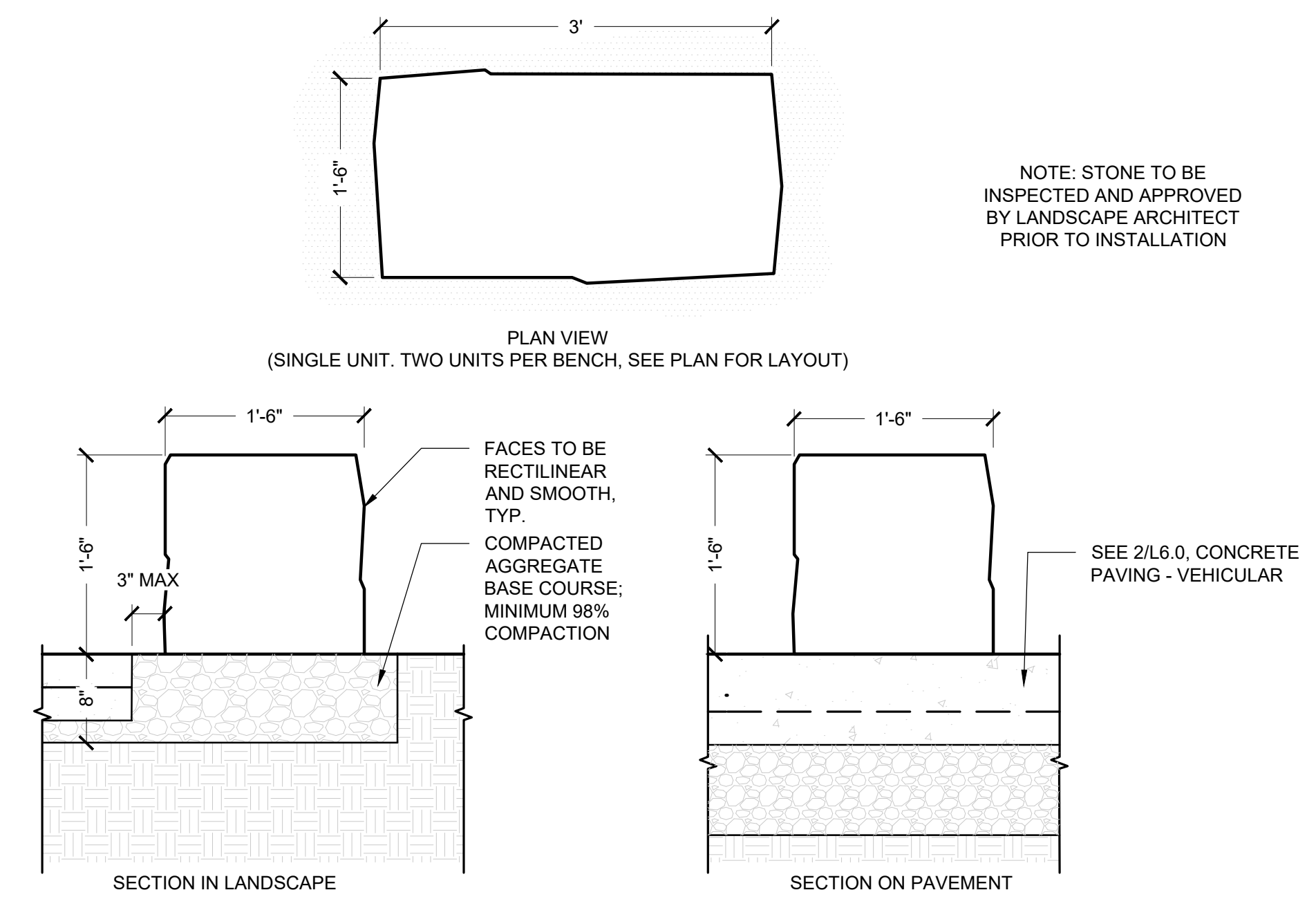
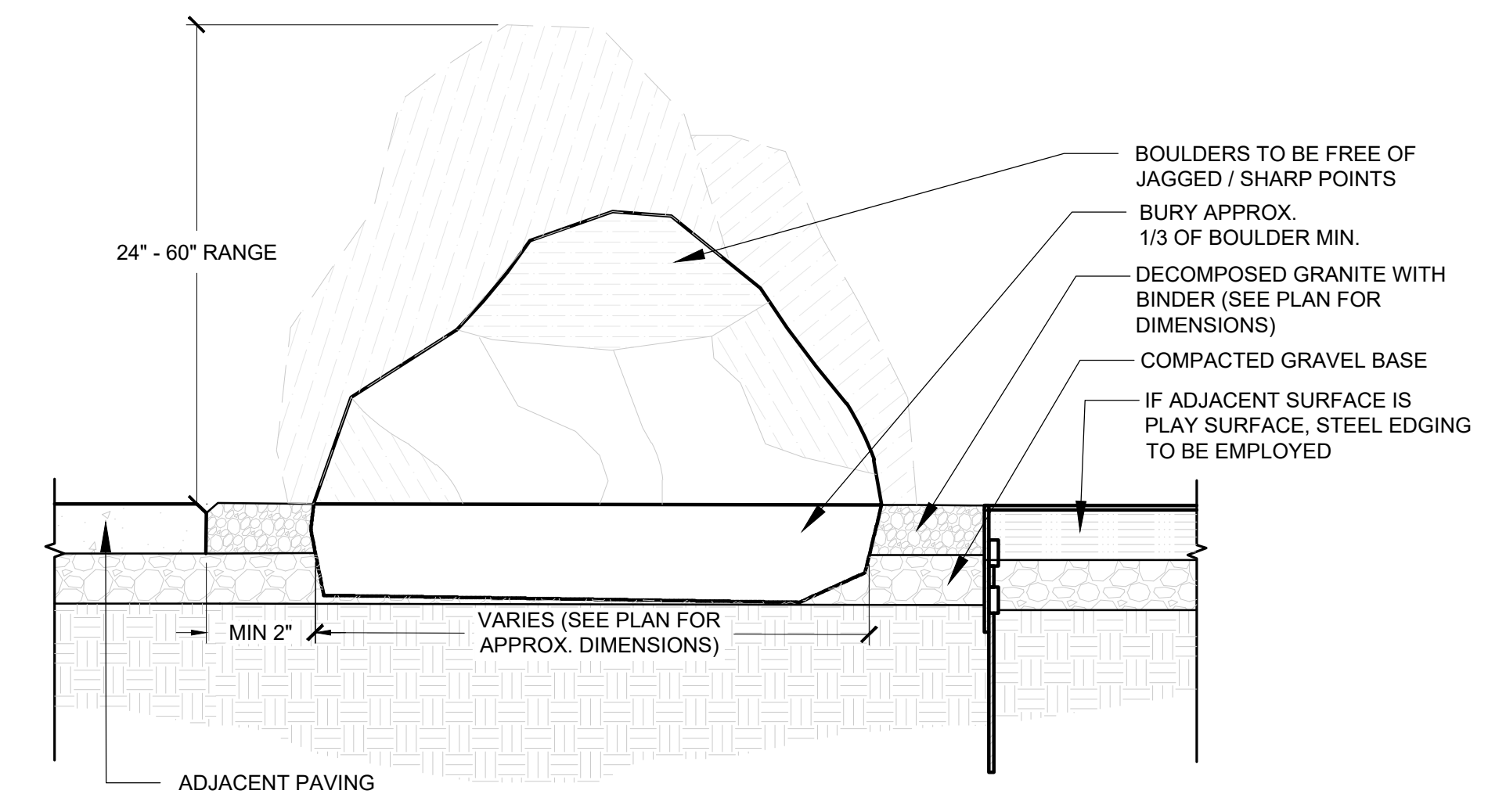
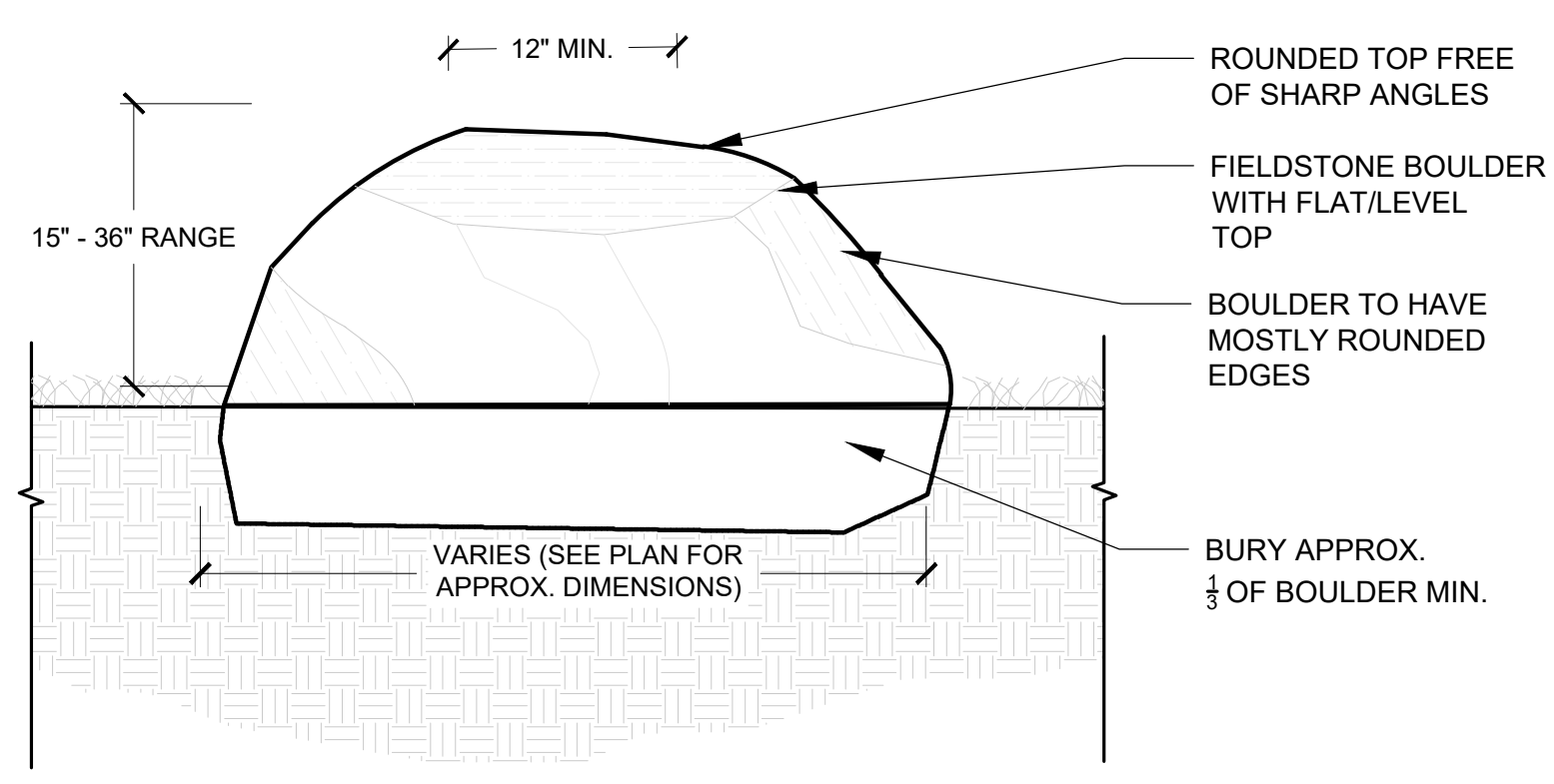
PHASE
BID SET

DATE
August 21, 2024

DRAWING SCALE
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NOTE: If this drawing is not 24x36" it has been revised from its original size and the scales noted on drawings/details are no longer applicable.

DRAWING NAME
SITE DETAILS

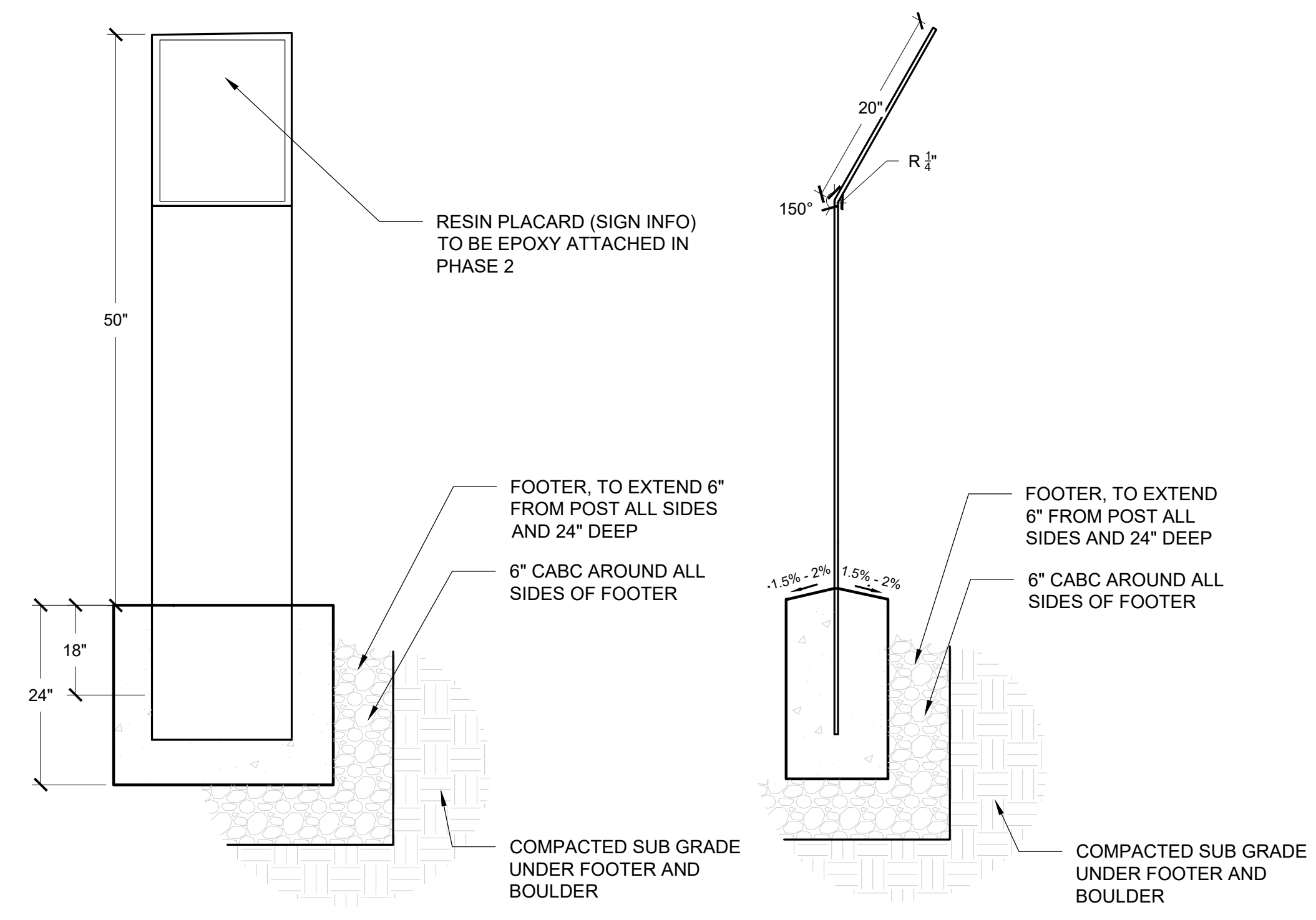
L6.0



1 BOULDER IN LANDSCAPE
L6.1 1:1

2 BOULDER IN HARDSCAPE
L6.1 1"=1'

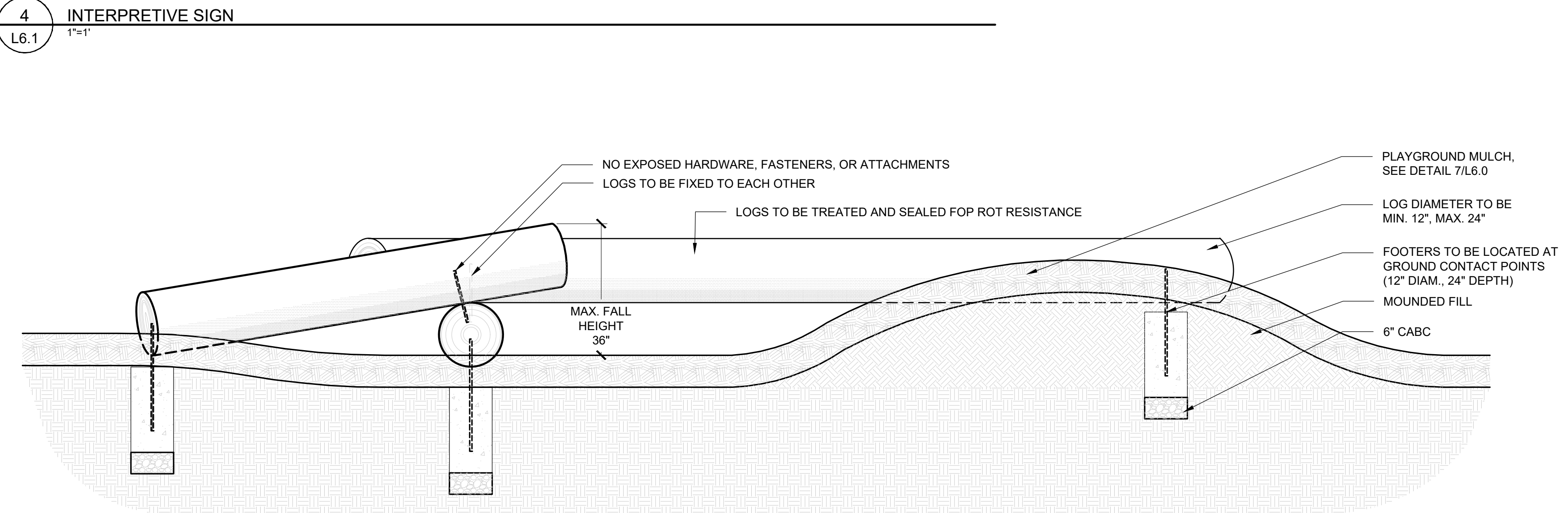
3 STONE BENCH
L6.1 1"=1'



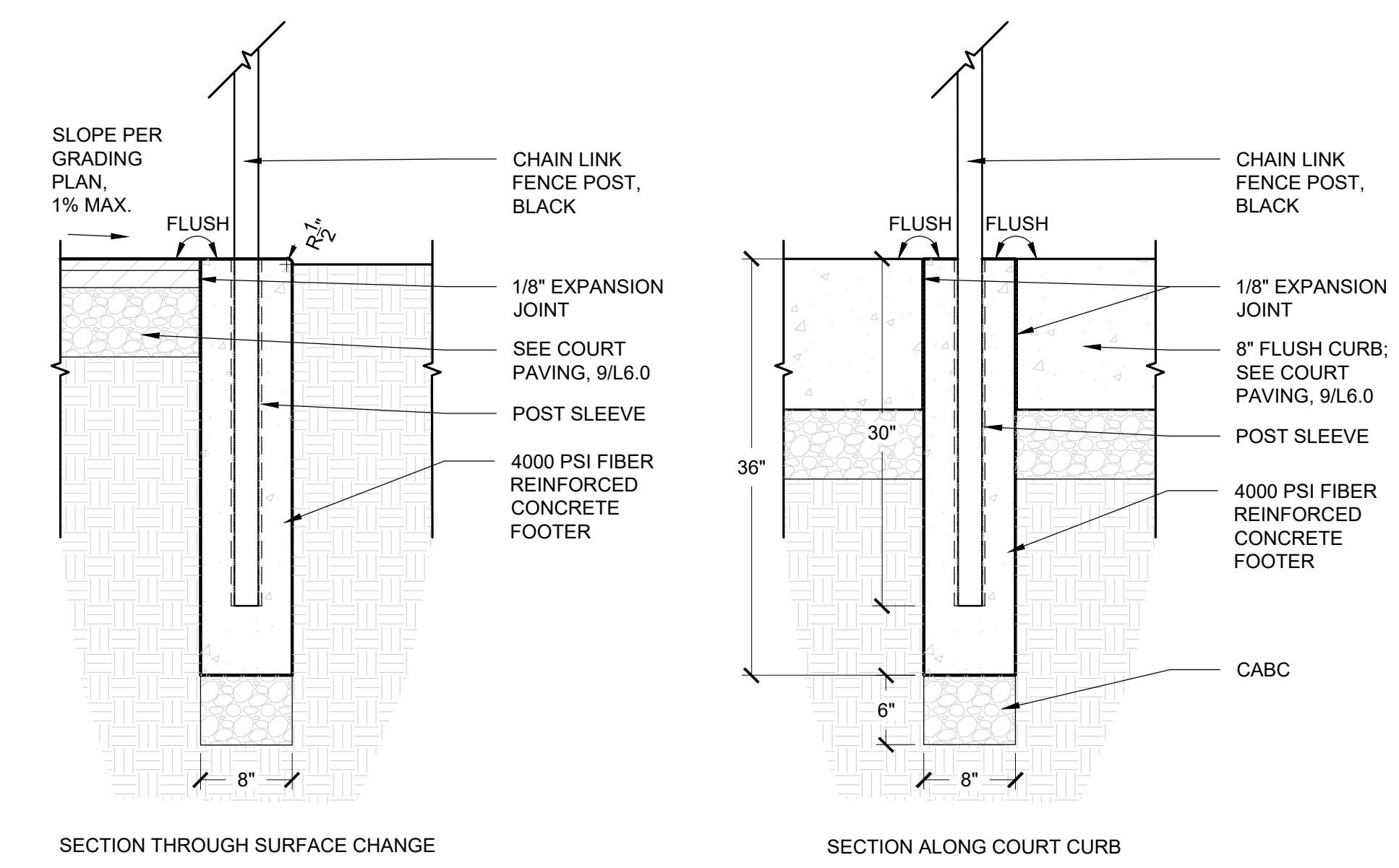
4 INTERPRETIVE SIGN
L6.1 1"=1'



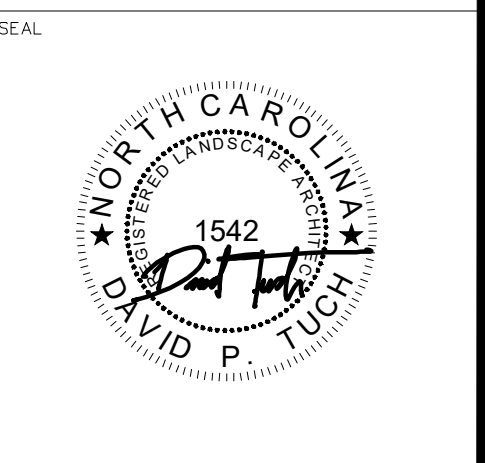
5 PIPE TUNNEL (DESIGN-BUILD)
L6.1 NTS



6 BALANCE LOGS (DESIGN-BUILD)
L6.1 NTS



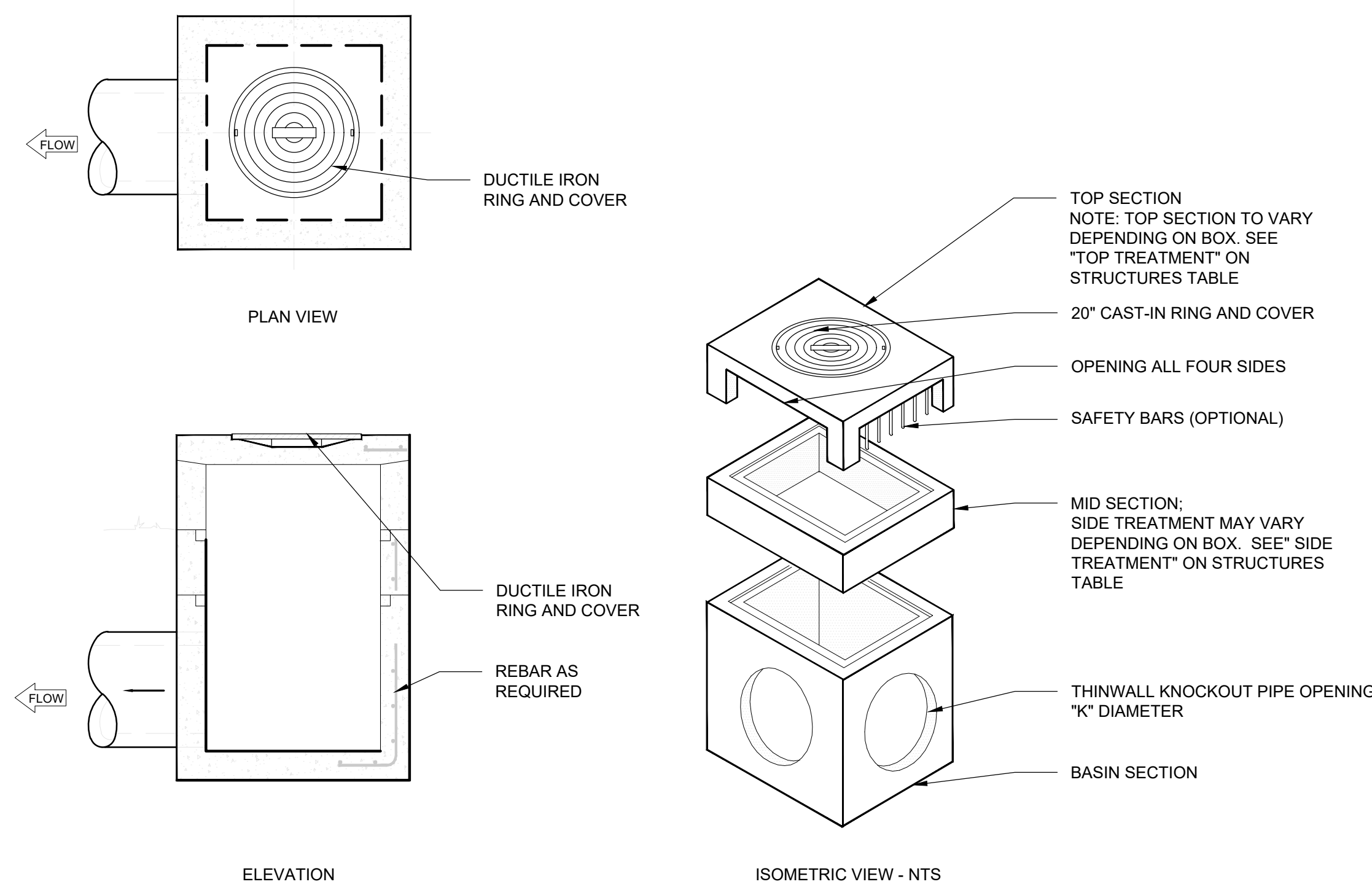
7 COURT FENCE FOOTER
L6.1 NTS



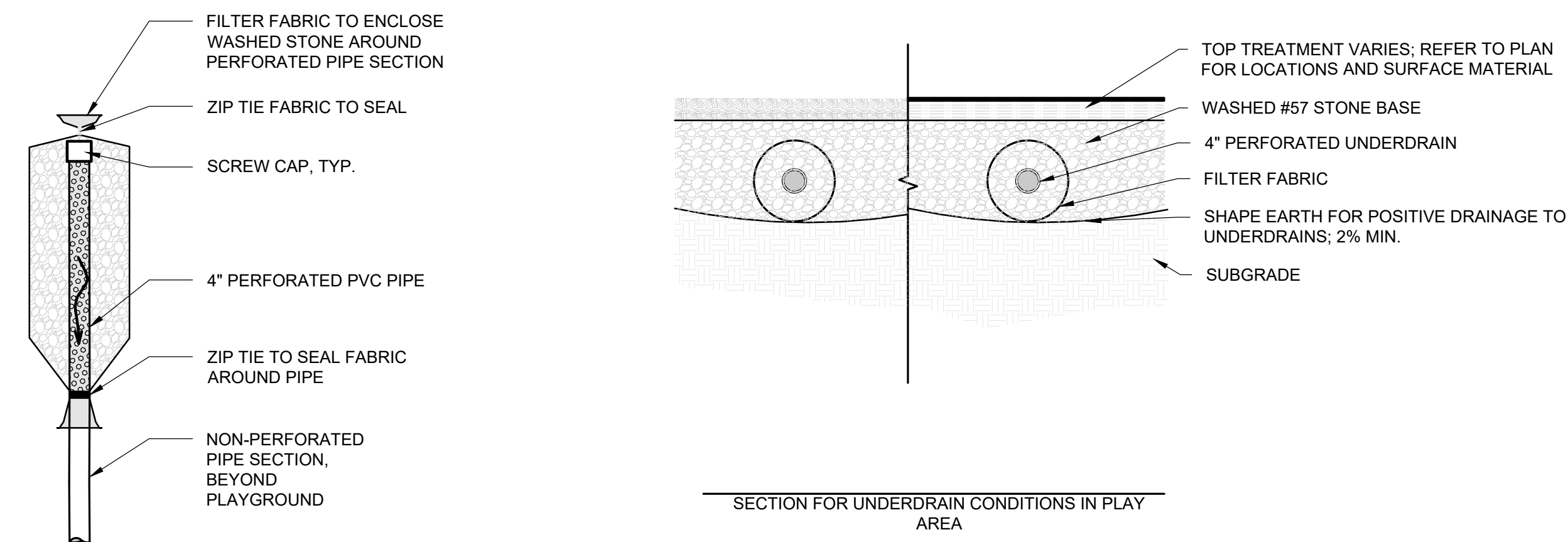
DESIGN BY:	DRAWN BY:	CHECKED BY:
DATE		
REVISIONS		

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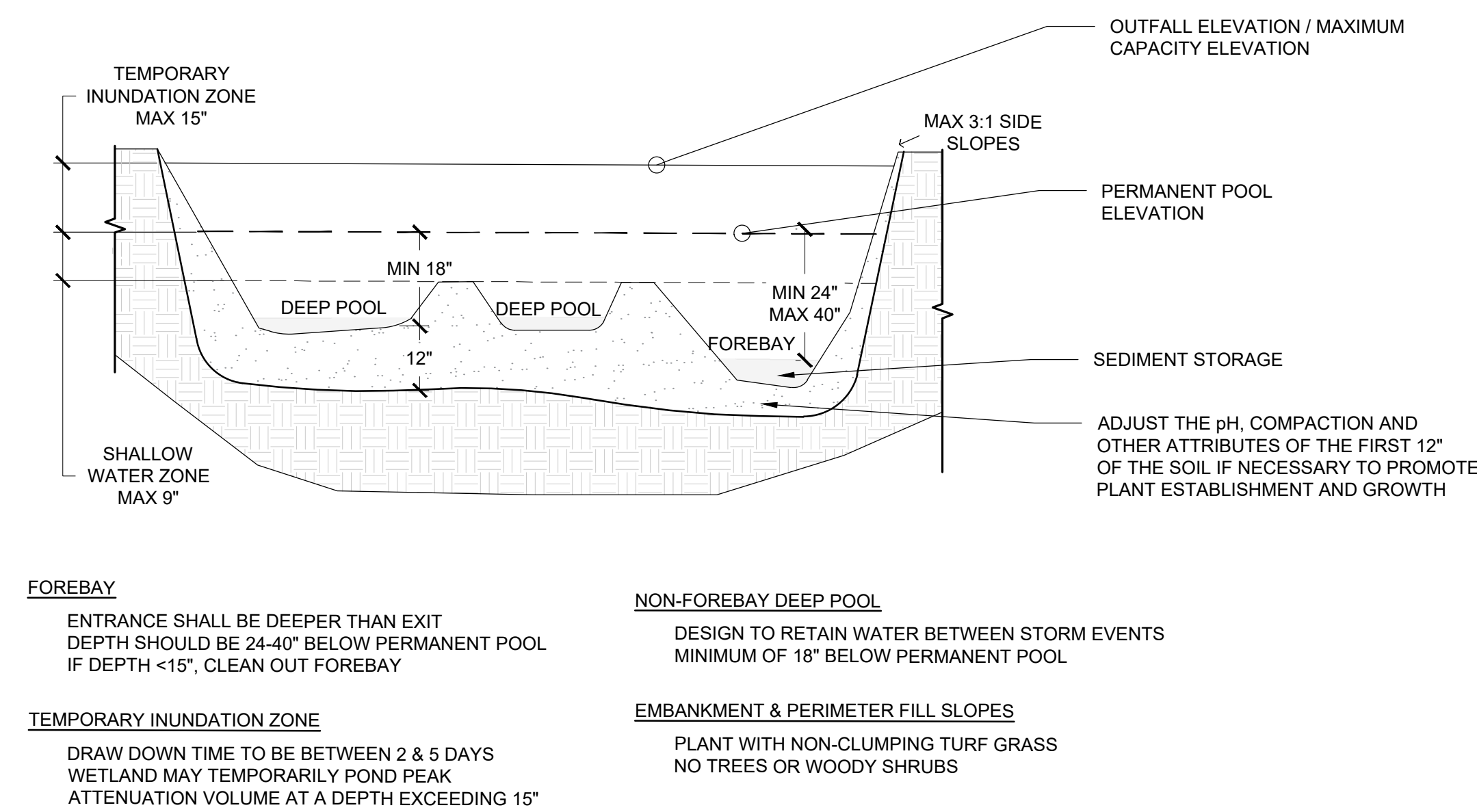
PHASE	BID SET
DATE	August 21, 2024
DRAWING SCALE	AS SHOWN
DRAWING NAME	SITE DETAILS



1 CONCRETE BOX (DROP INLET)
L6.2 1"=2'



2 UNDERDRAIN
L6.2 NTS



FOREBAY
ENTRANCE SHALL BE DEEPER THAN EXIT
DEPTH SHOULD BE 24-40" BELOW PERMANENT POOL
IF DEPTH <15", CLEAN OUT FOREBAY

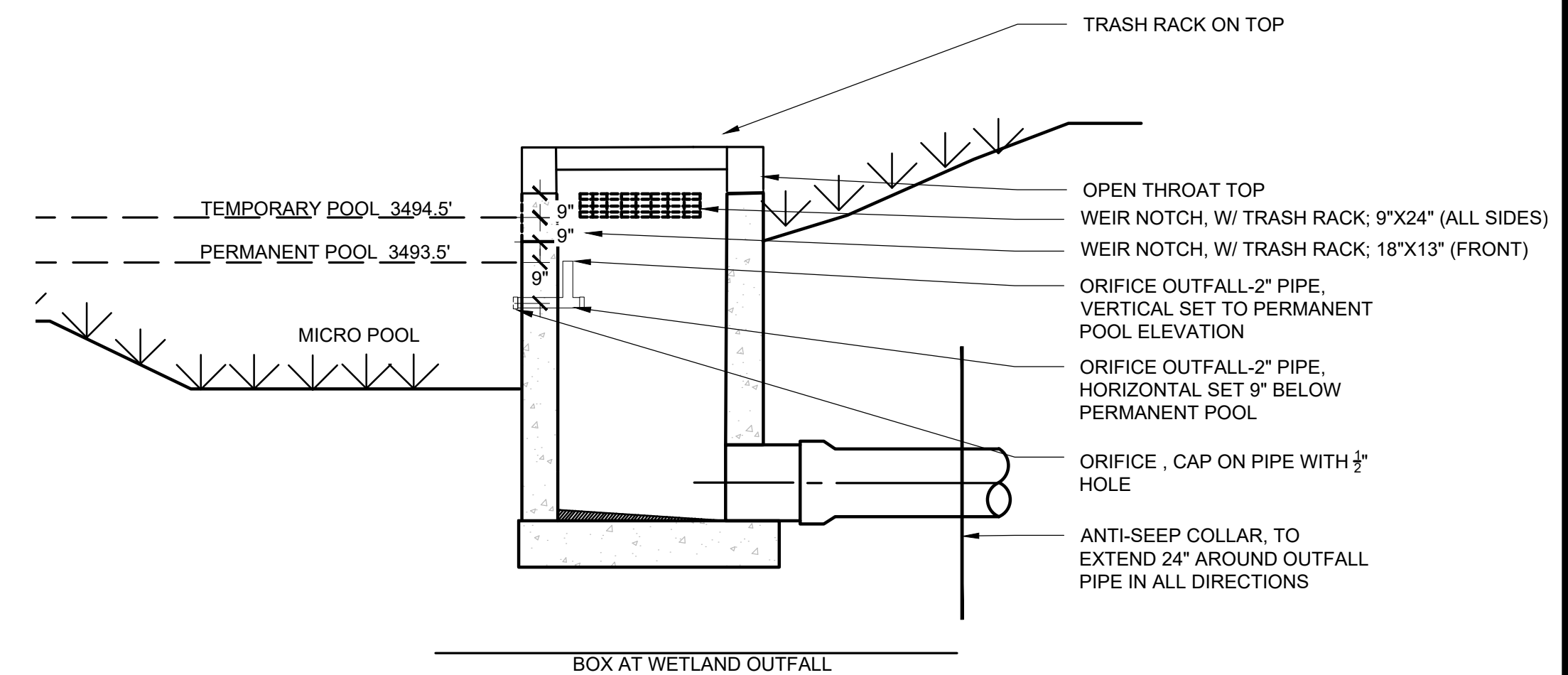
TEMPORARY INUNDATION ZONE
DRAW DOWN TIME TO BE BETWEEN 2 & 5 DAYS
WETLAND MAY TEMPORARILY POND PEAK
ATTENUATION VOLUME AT A DEPTH EXCEEDING 15"

NON-FOREBAY DEEP POOL
DESIGN TO RETAIN WATER BETWEEN STORM EVENTS
MINIMUM OF 18" BELOW PERMANENT POOL

EMBANKMENT & PERIMETER FILL SLOPES
PLANT WITH NON-CLUMPING TURF GRASS
NO TREES OR WOODY SHRUBS

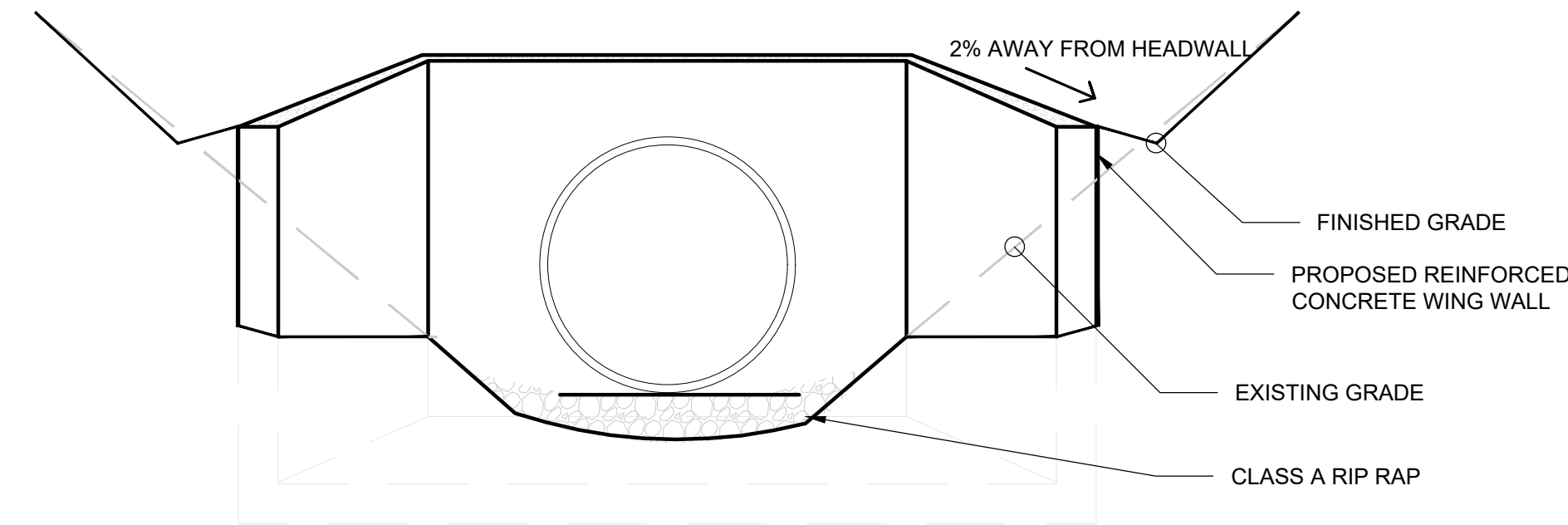
NOTES:

1. WETLAND SHOULD BE GRADED SO THAT WATER ENTERS FOREBAY FIRST
2. BEYOND THE FOREBAY, THE WETLAND SHALL BE GRADED TO HAVE LOWER AND HIGHER ELEVATIONS (SHALLOW POOL AND DEEP POOL) FOR PROPER WETLAND FUNCTION
3. SIDE WALLS SHALL BE A MAXIMUM OF 3:1 WITH AN AVERAGE OF 8:1
4. DURING EXCAVATION OF THE CONSTRUCTED WETLAND CONTACT PROJECT LANDSCAPE ARCHITECT (EQUINOX) IF GRADING REVEALS PROBLEMATIC CONDITIONS FOR HOLDING WATER SUCH AS SANDY SOILS, GRAVEL, DRAIN TILES, ETC. PROJECT REFINEMENTS MAY BE NECESSARY TO CREATE A FUNCTIONING WETLAND, SUCH AS ADDING A CLAY LINER.
5. CONTRACTOR SHALL CONSTRUCT THE WETLAND IN A WAY THAT REDUCES THE POTENTIAL FOR EROSION WHICH MAY INCLUDE TEMPORARY DIVERSION DITCHES
6. STRIP & STOCKPILE TOPSOIL IF PRESENT. SOILS UNCOVERED DURING EXCAVATION THAT CONTAIN CLAY OR LOAM SOILS CAN BE USED WITHIN THE WETLAND AREA. NO SAND, GRAVEL, OR ROCK MAY BE USED WITHIN THE WETLAND.
7. OVER EXCAVATION MAY BE NECESSARY TO REMOVE SILT, SEDIMENT, SAND, GRAVEL OR CONDITIONS THAT WOULD IMPACT WETLAND FUNCTION.
8. EQUINOX TO OVERSEE FINE GRADING OF CONSTRUCTED WETLAND (HIGH POINTS & LOW POINTS GIVEN ON PLAN FOR GENERAL DIRECTION).
10. STOCKPILED SOIL TO BE MIXED WITH TOPSOIL (OR APPROVED PLANTING MIX) AND ADDED ABOVE PREPARED CLAY BOTTOM AND LIGHTLY COMPACTED IN 6" LIFTS ABOVE CLAY LINER. NO SAND, GRAVEL, OR ROCK MAY BE USED WITH THE SOIL LIFTS.
11. SPREAD SOIL MIX AND SMOOTH OVER THE BOTTOM & SIDES OF THE COMPLETED WETLAND AND UP THE INSIDE SLOPES OF THE WETLAND TO A DEPTH OF 12" AND SHALL MEET PROPOSED FINISHED GRADE SHOWN ON PLAN.

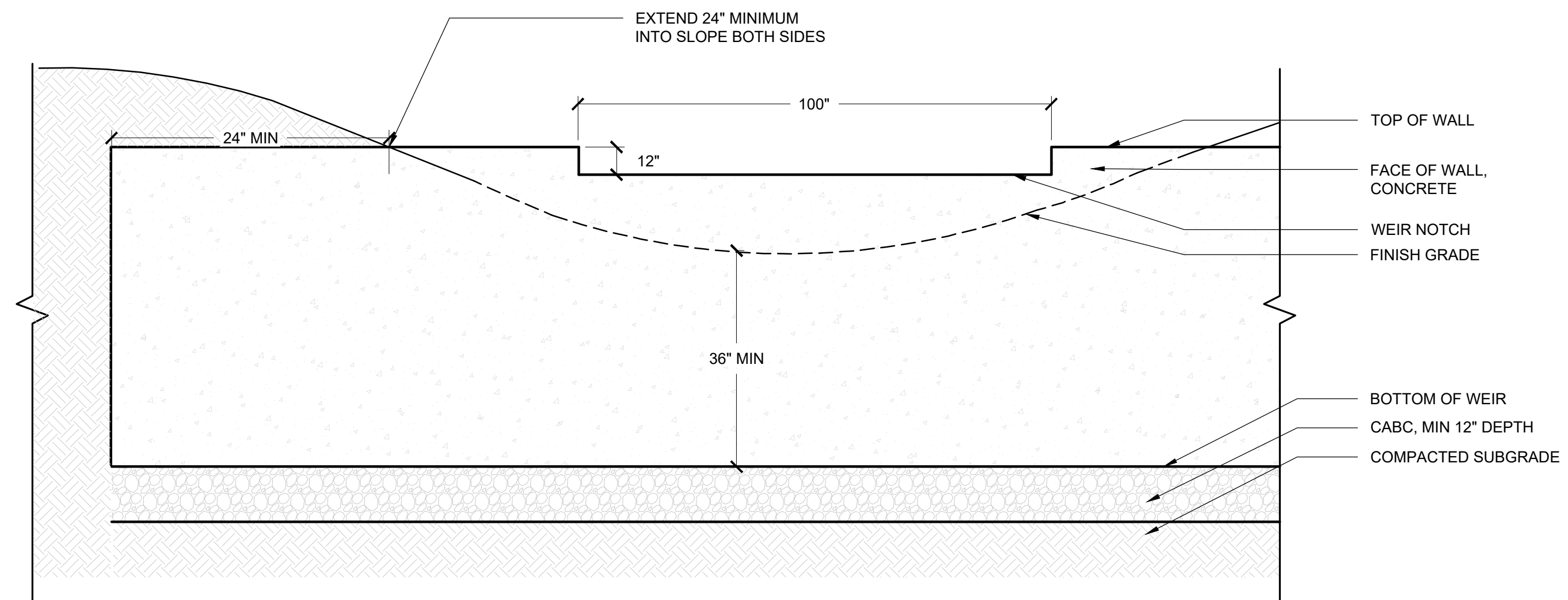


BOX AT WETLAND OUTFALL

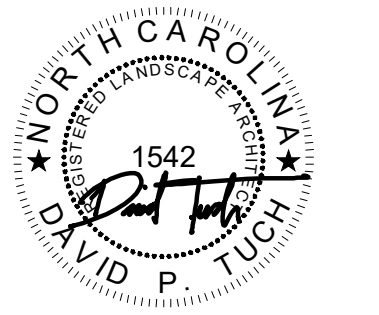
3 CONSTRUCTED WETLAND
L6.2 NTS



4 CONCRETE HEADWALL
L6.2 SCALE: 0.717716



5 WEIR
L6.2 NTS



DESIGN BY: DRAWN BY: CHECKED BY:

DATE

REVISIONS

PHASE: BID SET

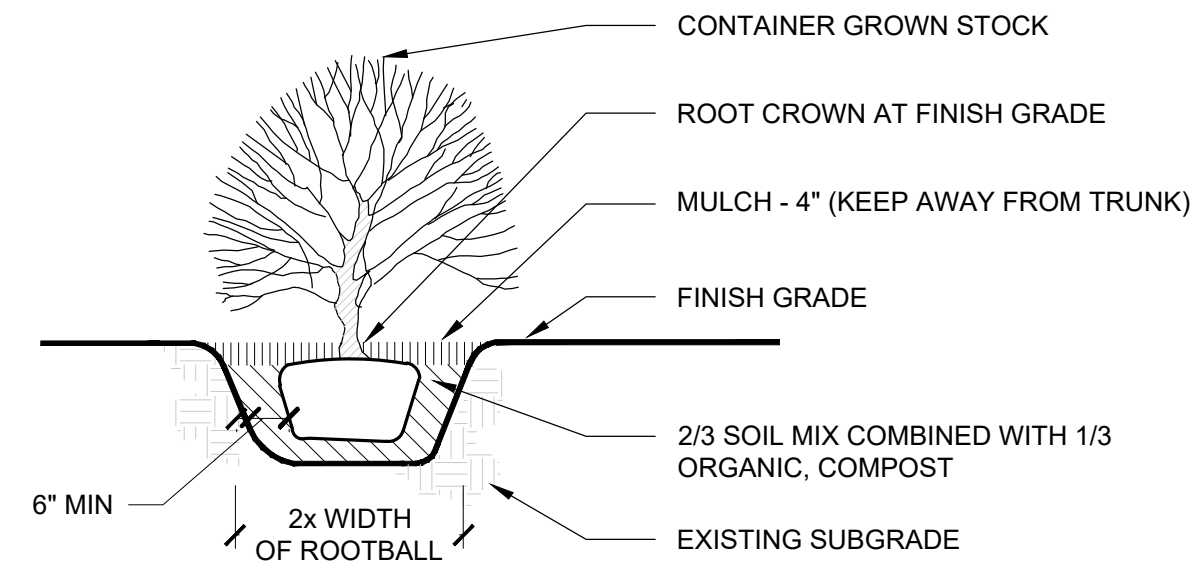
DATE: August 21, 2024

DRAWING SCALE: AS SHOWN
NOTE: If this drawing is not 24x36" it has been revised from its original size and the scales noted on drawings/details are no longer applicable.

DRAWING NAME: STORMWATER DETAILS

STORMWATER DETAILS

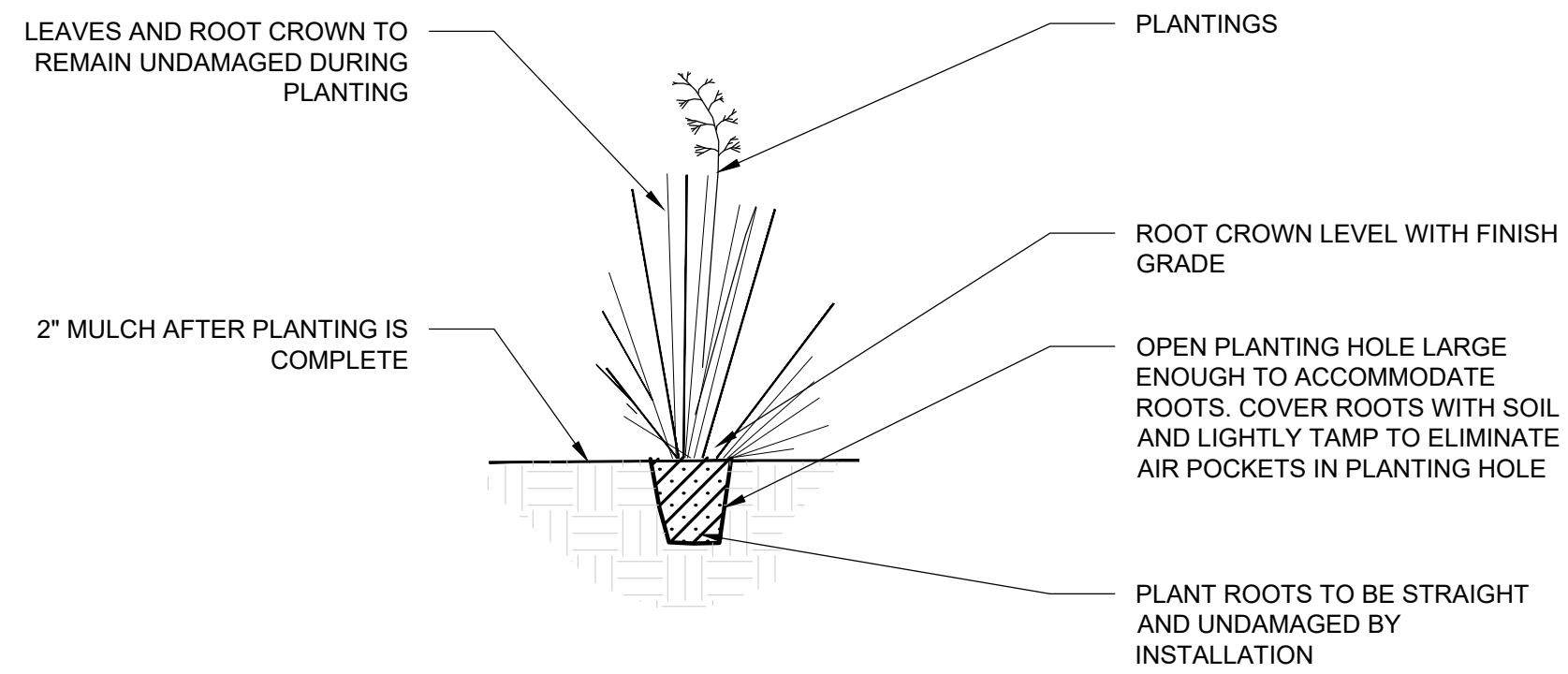
L6.2



NOTES:

1. WATER THOROUGHLY IMMEDIATELY AFTER PLANTING AND WATER WEEKLY UNTIL ESTABLISHED.
2. NO FERTILIZER IS NECESSARY DURING PLANTING.

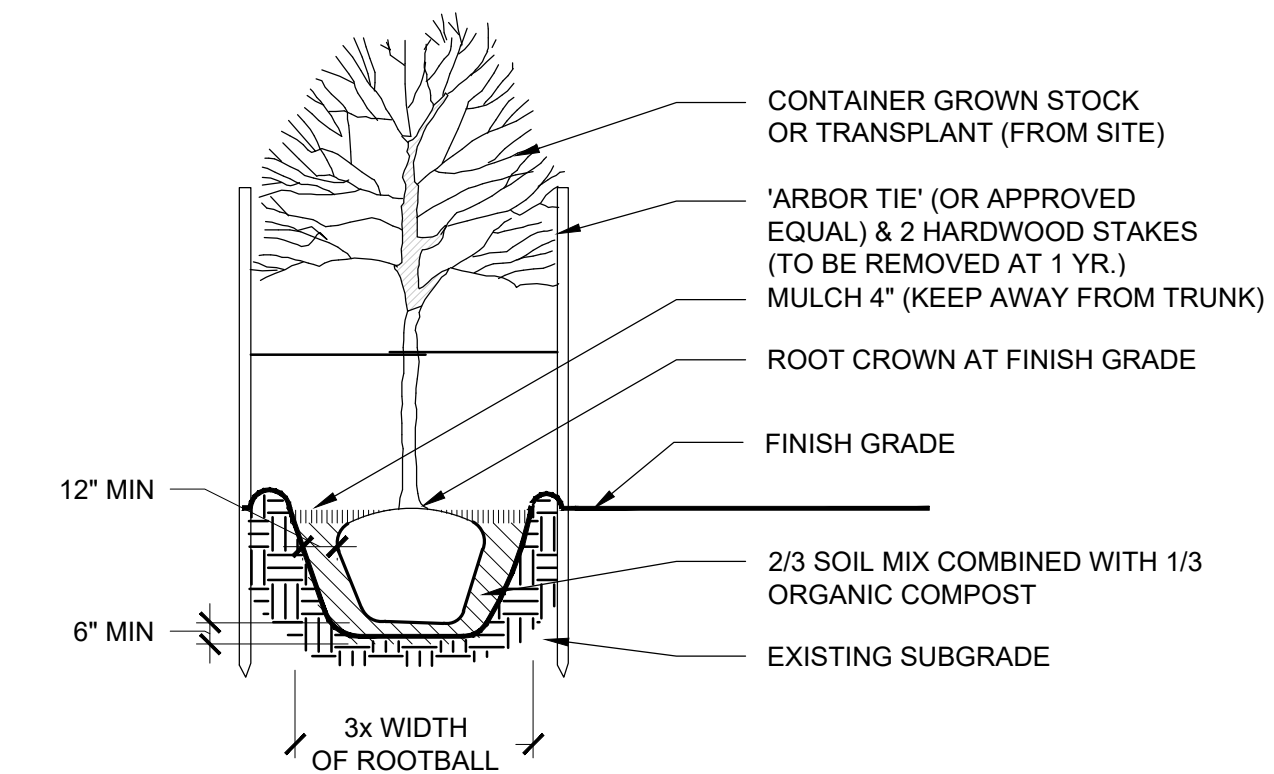
1 SHRUB PLANTING
L6.3 1"=1'



NOTES:

1. WATER THOROUGHLY IMMEDIATELY AFTER PLANTING AND WATER WEEKLY UNTIL ESTABLISHED.
2. NO FERTILIZER IS NECESSARY DURING PLANTING.

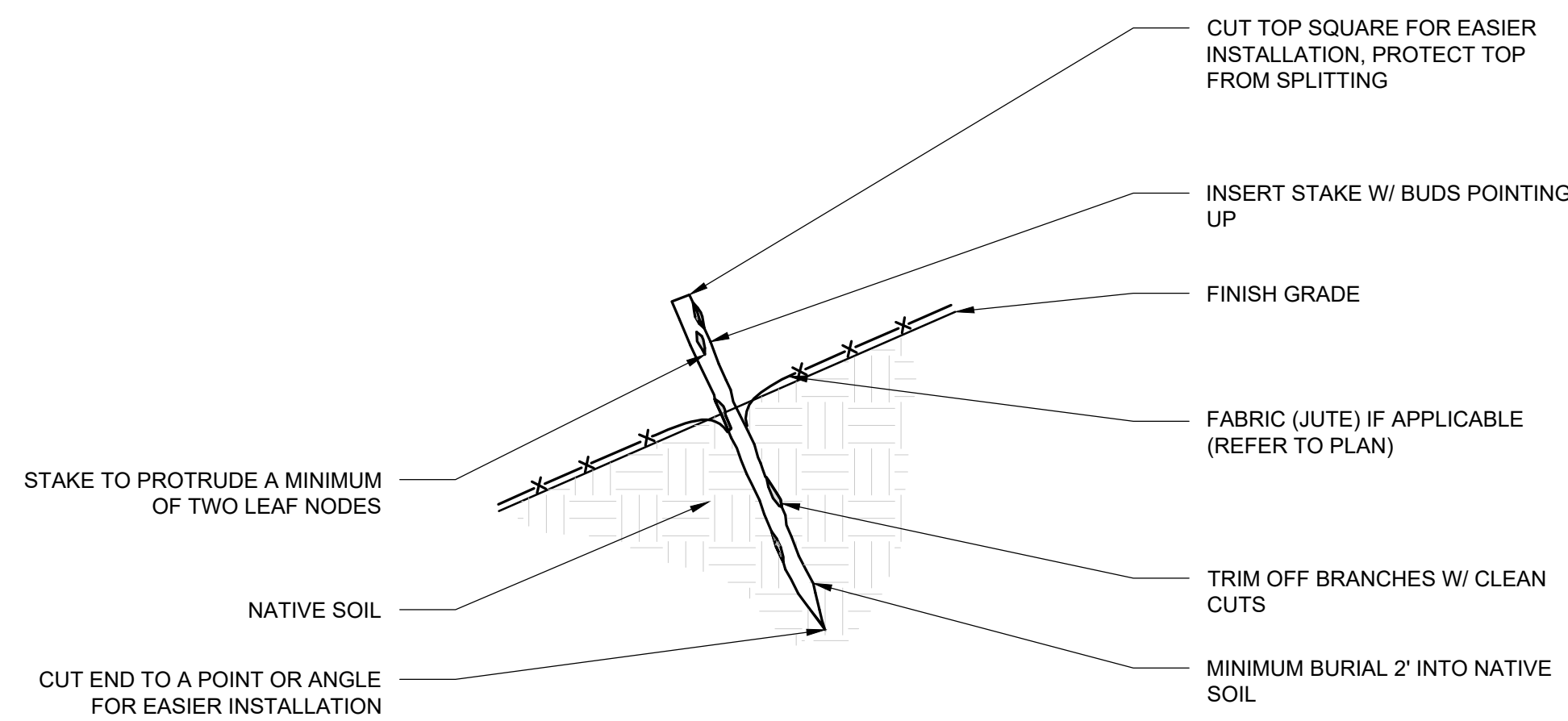
2 PERENNIALS
L6.3 1"=1'



NOTES:

1. WATER THOROUGHLY IMMEDIATELY AFTER PLANTING AND WATER WEEKLY UNTIL ESTABLISHED.
2. APPLY MYCORRHIZAE (MYKE TREE AND SHRUB) TO EACH TREE PLANTING. FOLLOW MANUFACTURERS DIRECTIONS FOR APPLICATION.

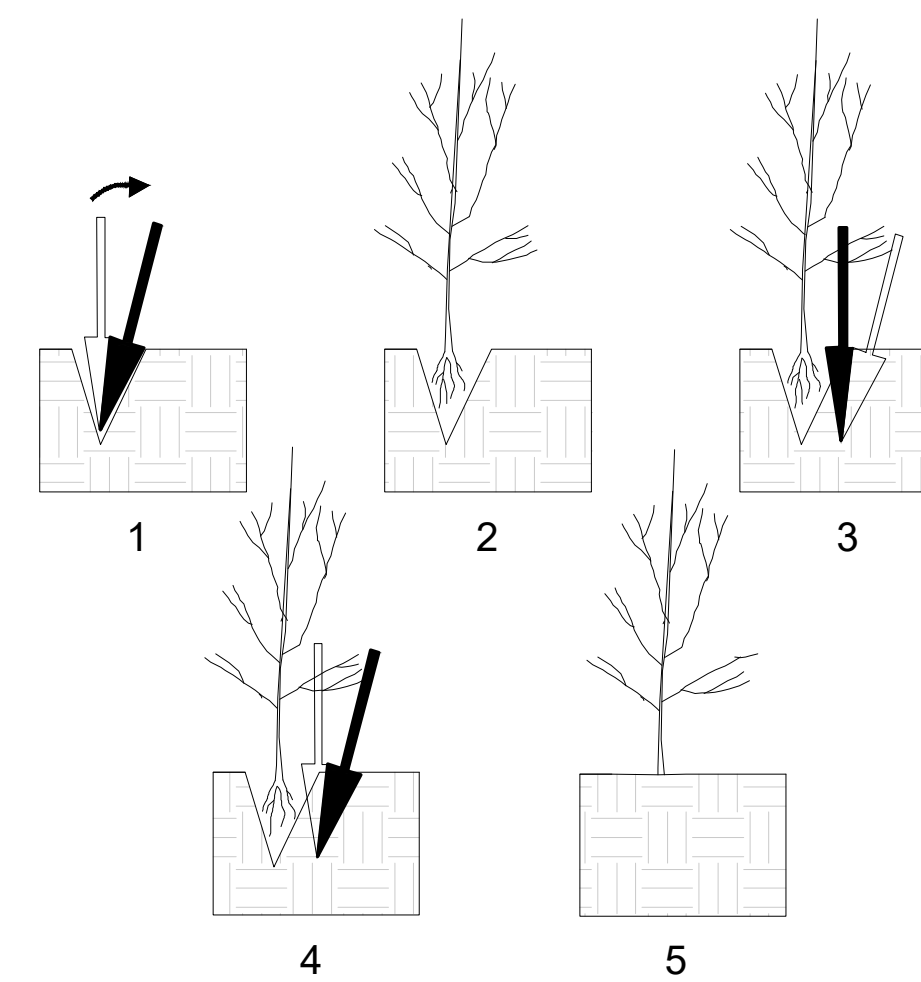
3 TREES
L6.3 1"=1'



NOTES:

1. INSTALL CUTTINGS WITHIN 48 HOURS OF HARVESTING.
2. INSTALL STAKES AFTER EROSION CONTROL FABRIC, IF APPLICABLE, AND/OR SOD IS IN PLACE.
3. PLANT IN TRIANGULAR PATTERN AT 2-1/2' O.C.

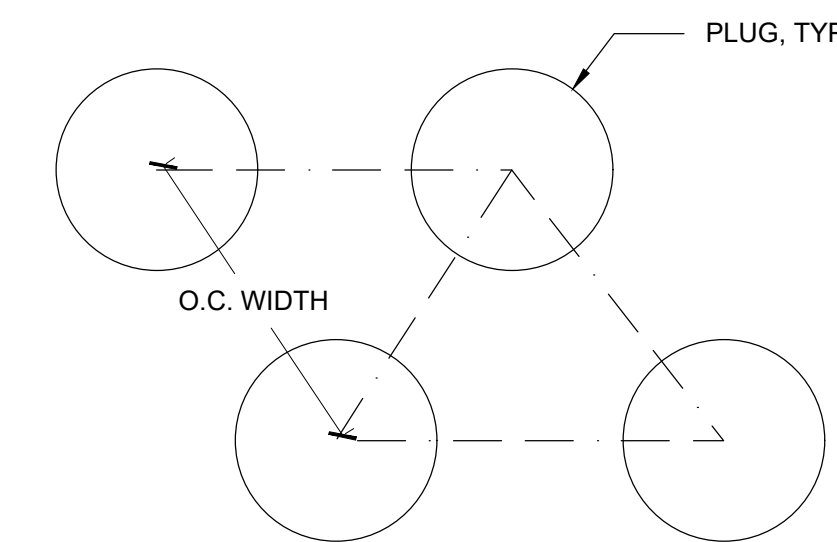
4 LIVESTAKES
L6.3 1"=1'



NOTES:

1. USE A SPADE AND CUT IN SOIL.
2. REMOVE SPADE AND INSERT SEEDLING SO THAT THE ROOT COLLAR IS JUST BELOW GROUND SURFACE WITH ROOTS FACING STRAIGHT DOWN IN THE PLANTING HOLE.
3. INSERT SPADE 3 INCHES TO ONE SIDE OF THE SEEDLING/PLUG AND PULL HANDLE TO CLOSE THE BOTTOM OF THE HOLE.
4. PUSH HANDLE OF SPADE FORWARD TO CLOSE THE TOP OF THE HOLE. OPEN PLANTING HOLE LARGE ENOUGH TO ACCOMMODATE ROOTS.
5. REMOVE SPADE AND CAREFULLY CLOSE THE OPENING BY TAMPING GENTLY WITH A TAMPER OR HEEL BEING CAREFUL NOT TO INJURE THE SEEDLING.

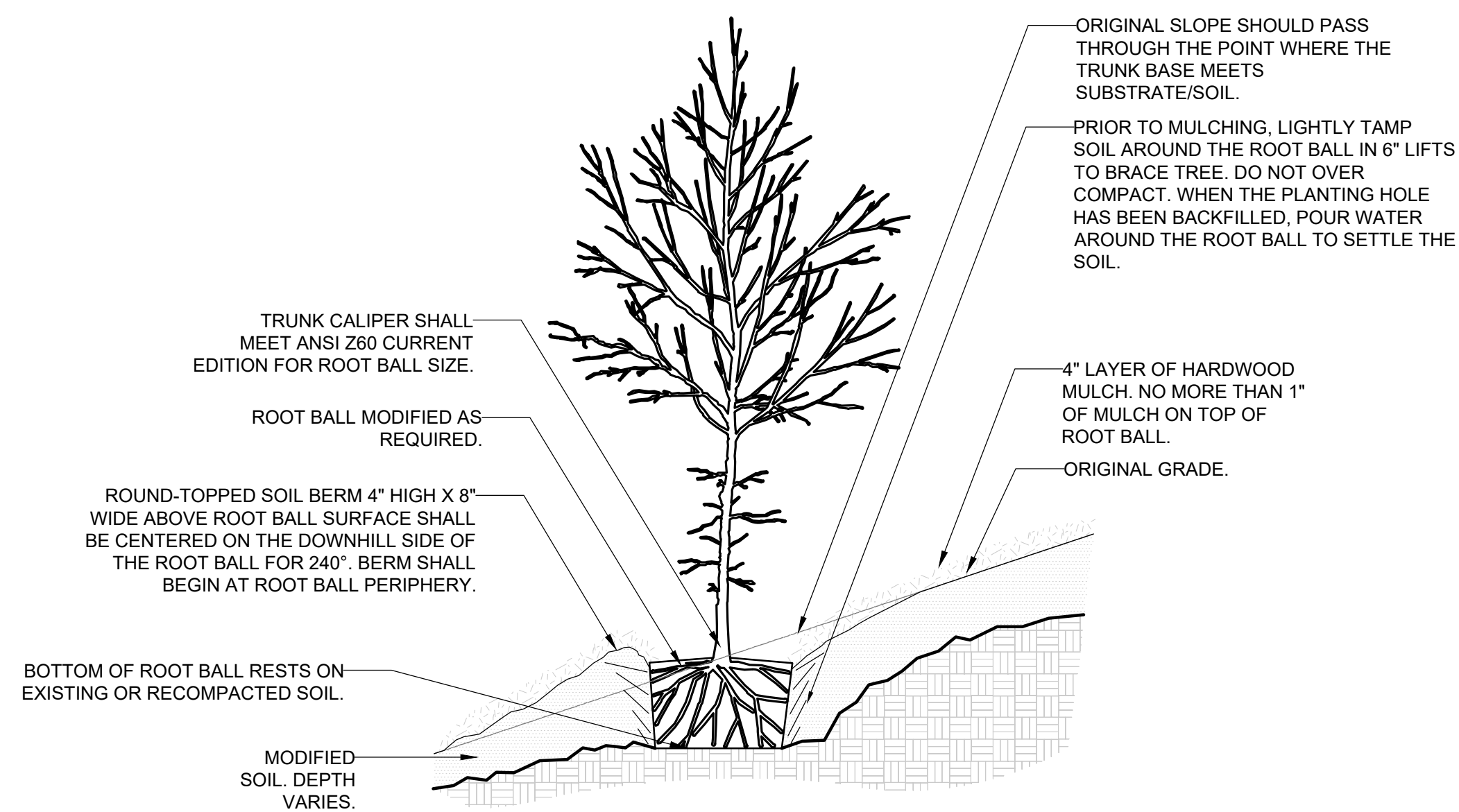
5 PLUG PLANTING DETAIL
L6.3 1"=1'



NOTES:

1. TREES AND SHRUBS TO BE PLANTED AS SHOWN ON PLAN.
2. USE DIBBLE TO PLANT PLUGS.

6 PLUG SPACING DETAIL
L6.3 1"=1'

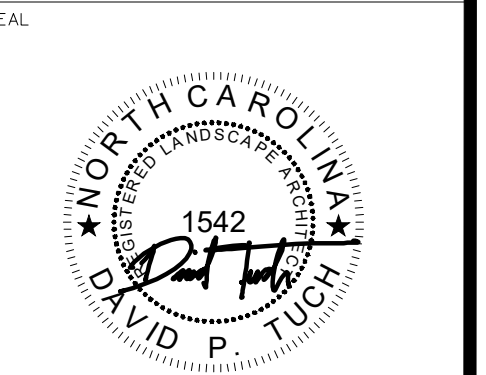


7 TREE PLANTING ON SLOPE
L6.3 1"=1'



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DESIGN BY: DRAWN BY: CHECKED BY:

REVISIONS	DATE

Jackson County Parks & Recreation
JACKSON COUNTY SPLASH PAD
42 Community Pl.
Cashiers, NC 28717

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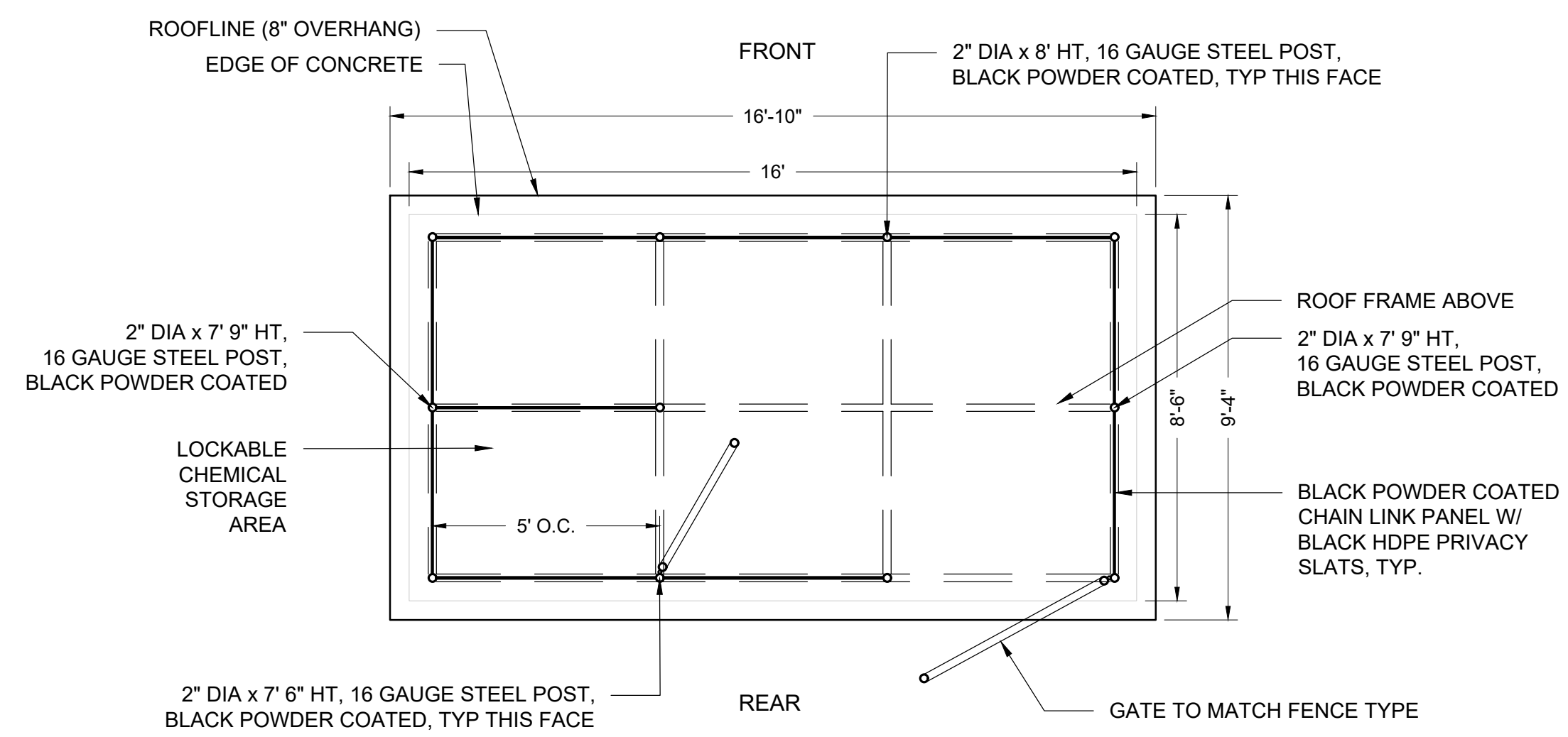
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DATE: **August 21, 2024**

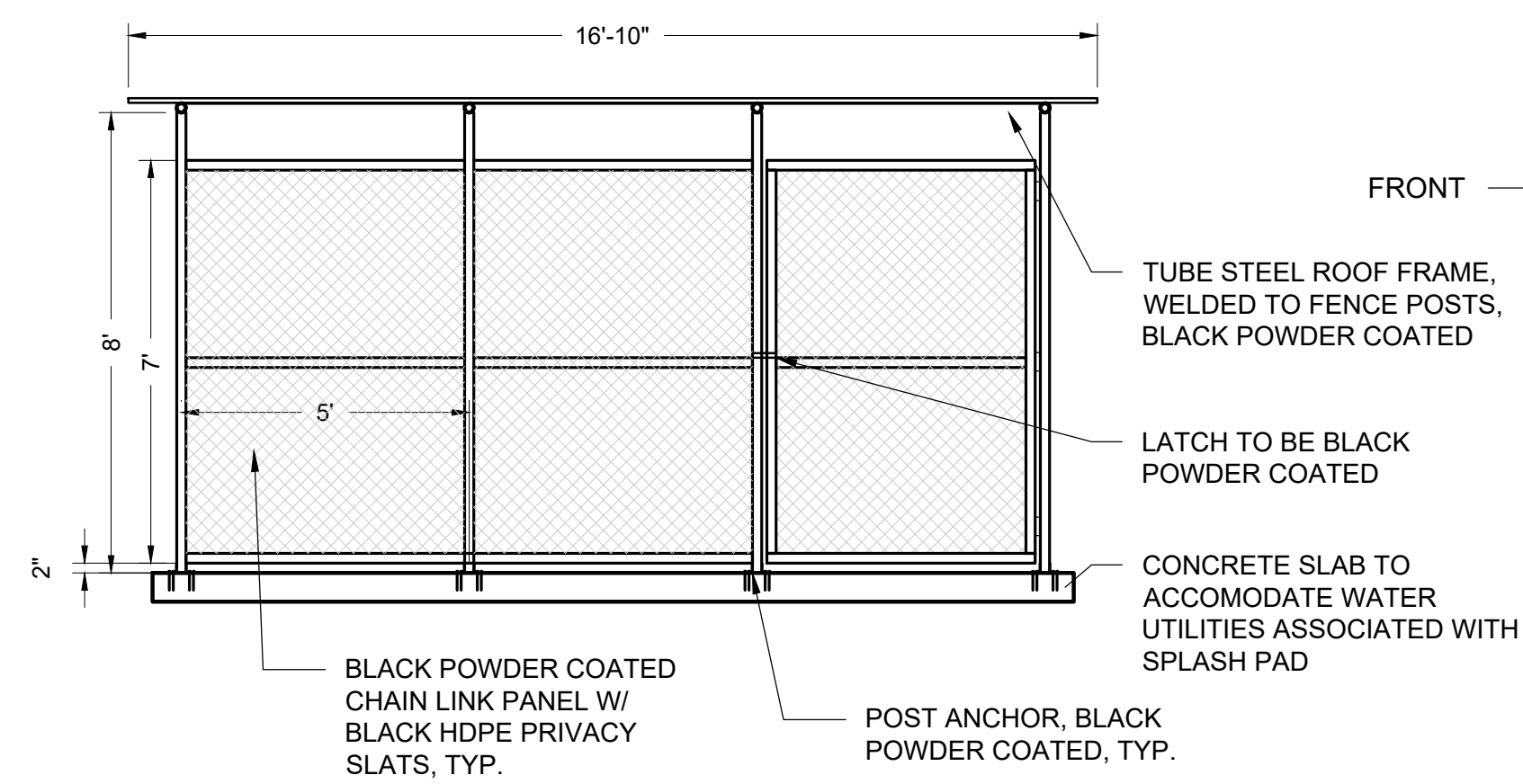
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NOTE: If this drawing is not 24x36" it has been revised from its original size and the scales noted on drawings/details are no longer applicable.

DRAWING NAME: **PLANTING DETAILS**

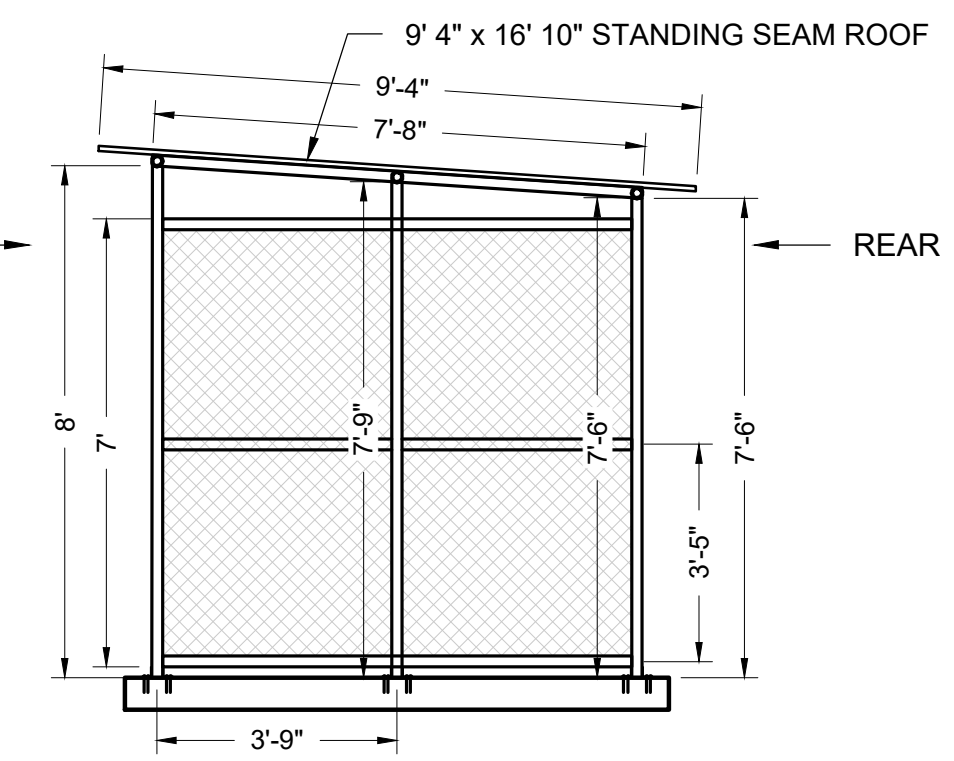
L6.3



PLAN



REAR ELEVATION



SIDE ELEVATION

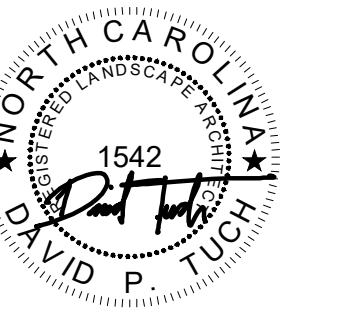
1 METAL UTILITY STRUCTURE
L6.4 1"=3'



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SEAL



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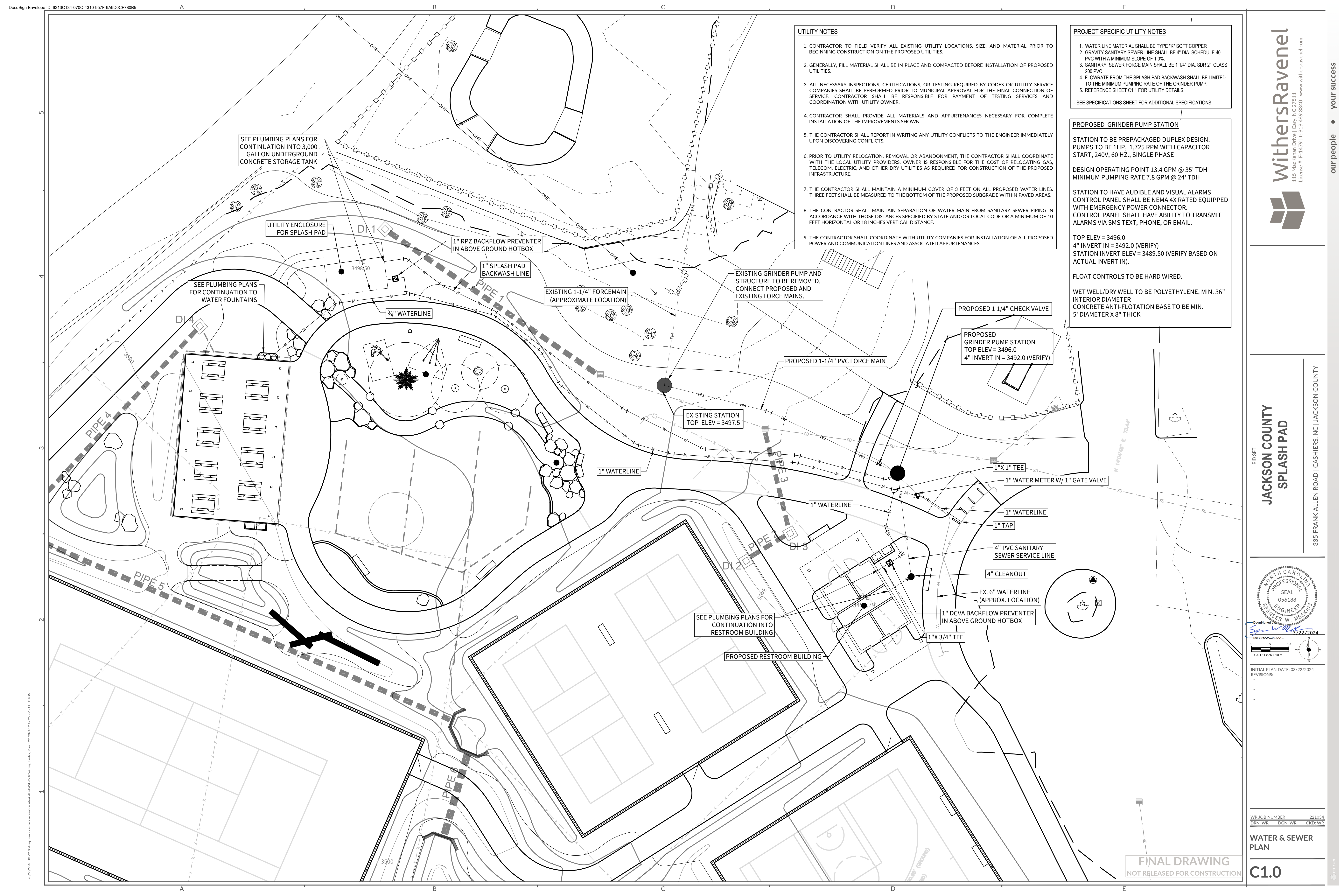
PHASE: **BID SET**

DATE: **August 21, 2024**

DRAWING SCALE: **AS SHOWN**
NOTE: If this drawing is not 24x36" it has been revised from its original size and the scales noted on drawings/details are no longer applicable.

DRAWING NAME: **STRUCTURE DETAILS**

L6.4



- UTILITY NOTES**
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, SIZE, AND MATERIAL PRIOR TO BEGINNING CONSTRUCTION ON THE PROPOSED UTILITIES.
 - GENERALLY, FILL MATERIAL SHALL BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
 - ALL NECESSARY INSPECTIONS, CERTIFICATIONS, OR TESTING REQUIRED BY CODES OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO MUNICIPAL APPROVAL FOR THE FINAL CONNECTION OF SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF TESTING SERVICES AND COORDINATION WITH UTILITY OWNER.
 - CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE IMPROVEMENTS SHOWN.
 - THE CONTRACTOR SHALL REPORT IN WRITING ANY UTILITY CONFLICTS TO THE ENGINEER IMMEDIATELY UPON DISCOVERING CONFLICTS.
 - PRIOR TO UTILITY RELOCATION, REMOVAL OR ABANDONMENT, THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY PROVIDERS. OWNER IS RESPONSIBLE FOR THE COST OF RELOCATING GAS, TELECOM, ELECTRIC, AND OTHER DRY UTILITIES AS REQUIRED FOR CONSTRUCTION OF THE PROPOSED INFRASTRUCTURE.
 - THE CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF 3 FEET ON ALL PROPOSED WATER LINES. THREE FEET SHALL BE MEASURED TO THE BOTTOM OF THE PROPOSED SUBGRADE WITHIN PAVED AREAS.
 - THE CONTRACTOR SHALL MAINTAIN SEPARATION OF WATER MAIN FROM SANITARY SEWER PIPING IN ACCORDANCE WITH THOSE DISTANCES SPECIFIED BY STATE AND/OR LOCAL CODE OR A MINIMUM OF 10 FEET HORIZONTAL OR 18 INCHES VERTICAL DISTANCE.
 - THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR INSTALLATION OF ALL PROPOSED POWER AND COMMUNICATION LINES AND ASSOCIATED APPURTENANCES.

- PROJECT SPECIFIC UTILITY NOTES**
- WATER LINE MATERIAL SHALL BE TYPE "K" SOFT COPPER
 - GRAVITY SANITARY SEWER LINE SHALL BE 4" DIA. SCHEDULE 40 PVC WITH A MINIMUM SLOPE OF 1.0%.
 - SANITARY SEWER FORCE MAIN SHALL BE 1 1/4" DIA. SDR 21 CLASS 200 PVC
 - FLOWRATE FROM THE SPLASH PAD BACKWASH SHALL BE LIMITED TO THE MINIMUM PUMPING RATE OF THE GRINDER PUMP.
 - REFERENCE SHEET C1.1 FOR UTILITY DETAILS.
- SEE SPECIFICATIONS SHEET FOR ADDITIONAL SPECIFICATIONS.

PROPOSED GRINDER PUMP STATION

STATION TO BE PREPACKAGED DUPLEX DESIGN. PUMPS TO BE 1HP, 1,725 RPM WITH CAPACITOR START, 240V, 60 HZ., SINGLE PHASE

DESIGN OPERATING POINT 13.4 GPM @ 35' TDH
MINIMUM PUMPING RATE 7.8 GPM @ 24' TDH

STATION TO HAVE AUDIBLE AND VISUAL ALARMS CONTROL PANEL SHALL BE NEMA 4X RATED EQUIPPED WITH EMERGENCY POWER CONNECTOR. CONTROL PANEL SHALL HAVE ABILITY TO TRANSMIT ALARMS VIA SMS TEXT, PHONE, OR EMAIL.

TOP ELEV = 3496.0
4" INVERT IN = 3492.0 (VERIFY)
STATION INVERT ELEV = 3489.50 (VERIFY BASED ON ACTUAL INVERT IN).

FLOAT CONTROLS TO BE HARD WIRED.

WET WELL/DRY WELL TO BE POLYETHYLENE, MIN. 36" INTERIOR DIAMETER
CONCRETE ANTI-FLOTATION BASE TO BE MIN. 5' DIAMETER X 8" THICK

SEE PLUMBING PLANS FOR CONTINUATION INTO 3,000 GALLON UNDERGROUND CONCRETE STORAGE TANK

SEE PLUMBING PLANS FOR CONTINUATION TO WATER FOUNTAINS

UTILITY ENCLOSURE FOR SPLASH PAD

1" RPZ BACKFLOW PREVENTER IN ABOVE GROUND HOTBOX

1" SPLASH PAD BACKWASH LINE

EXISTING 1-1/4" FORCEMAIN (APPROXIMATE LOCATION)

EXISTING GRINDER PUMP AND STRUCTURE TO BE REMOVED. CONNECT PROPOSED AND EXISTING FORCE MAINS.

EXISTING STATION TOP ELEV = 3497.5

PROPOSED 1 1/4" CHECK VALVE

PROPOSED GRINDER PUMP STATION TOP ELEV = 3496.0
4" INVERT IN = 3492.0 (VERIFY)

PROPOSED 1-1/4" PVC FORCE MAIN

1" WATER METER W/ 1" GATE VALVE

1" WATERLINE

1" TAP

4" PVC SANITARY SEWER SERVICE LINE

4" CLEANOUT

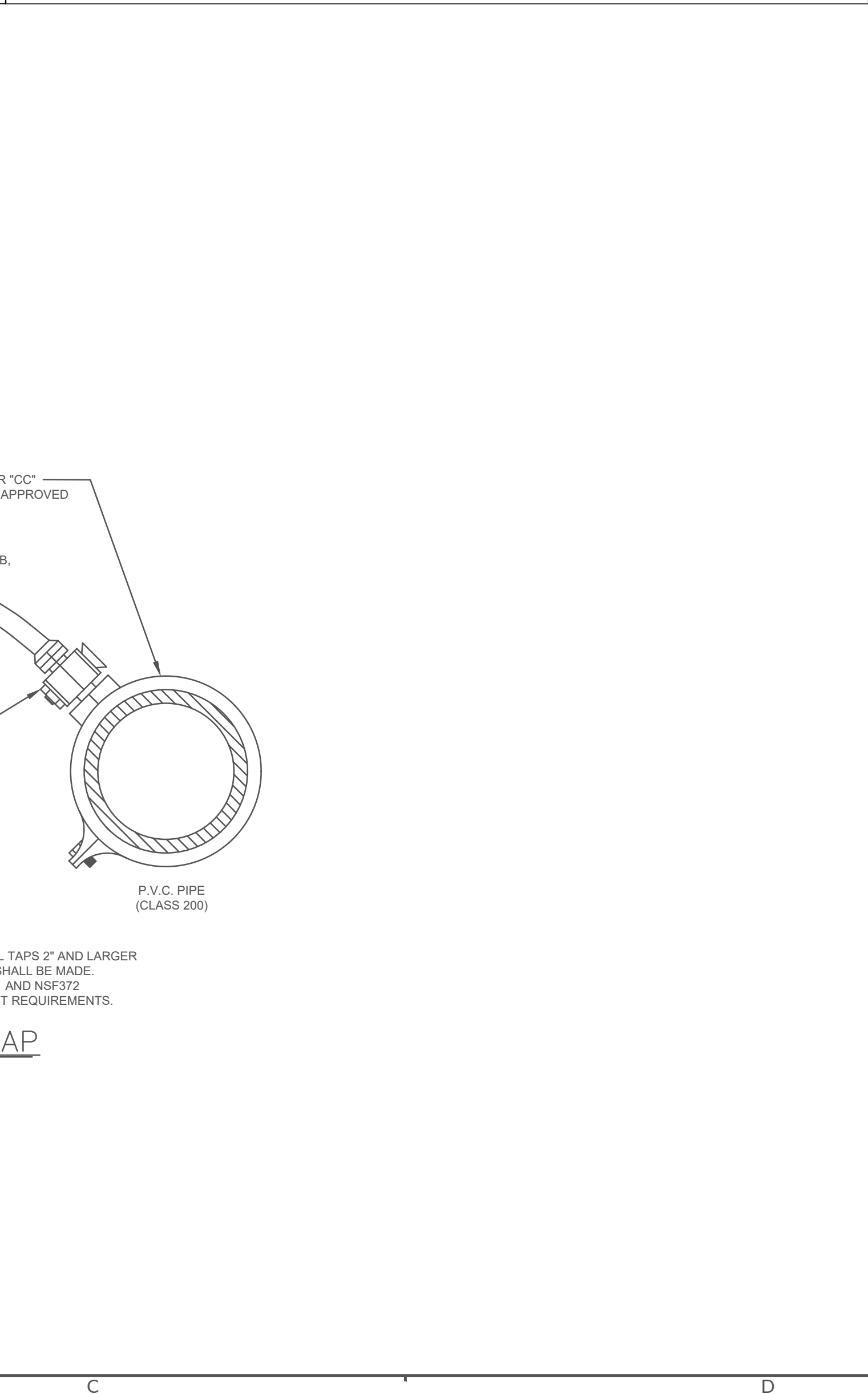
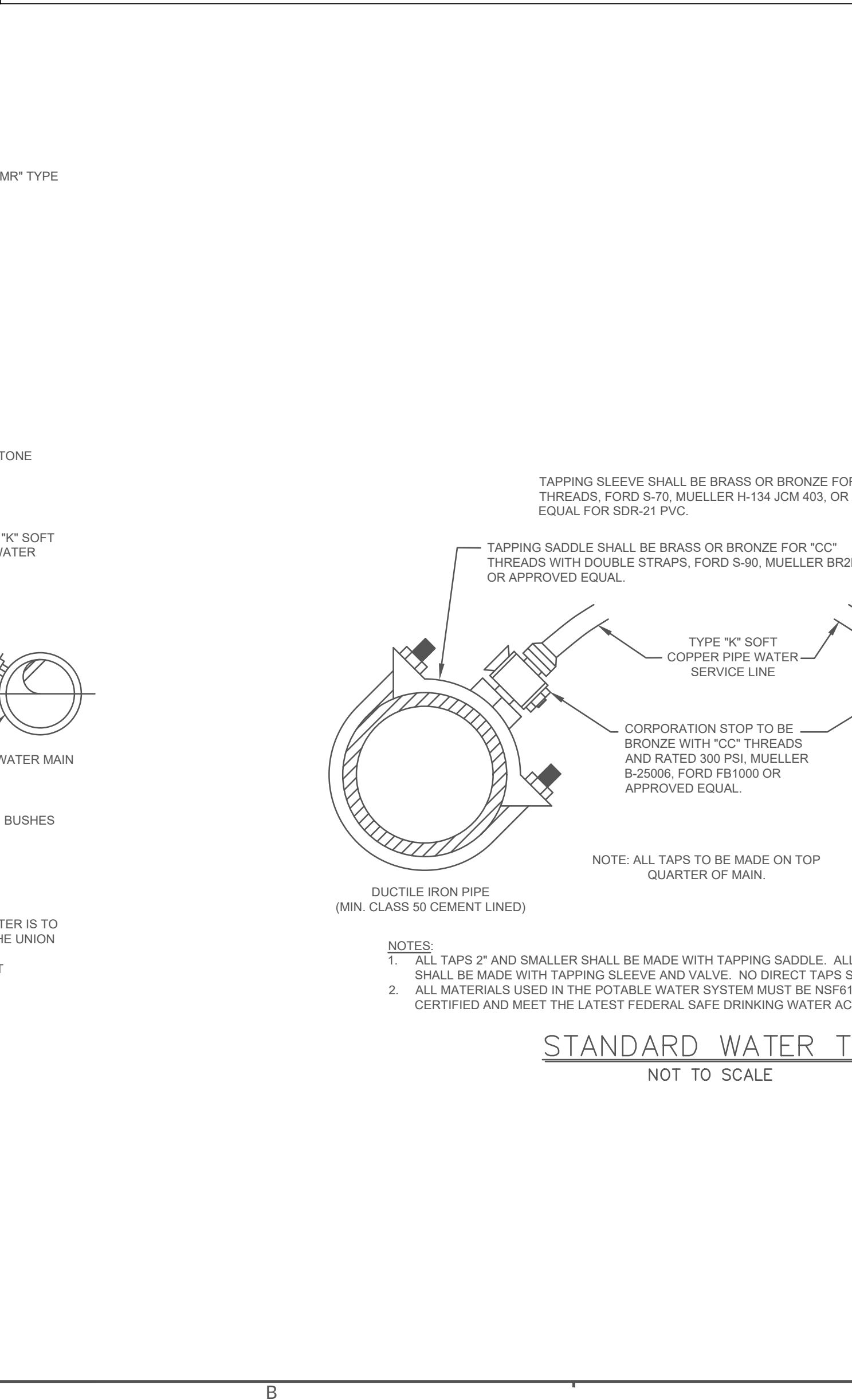
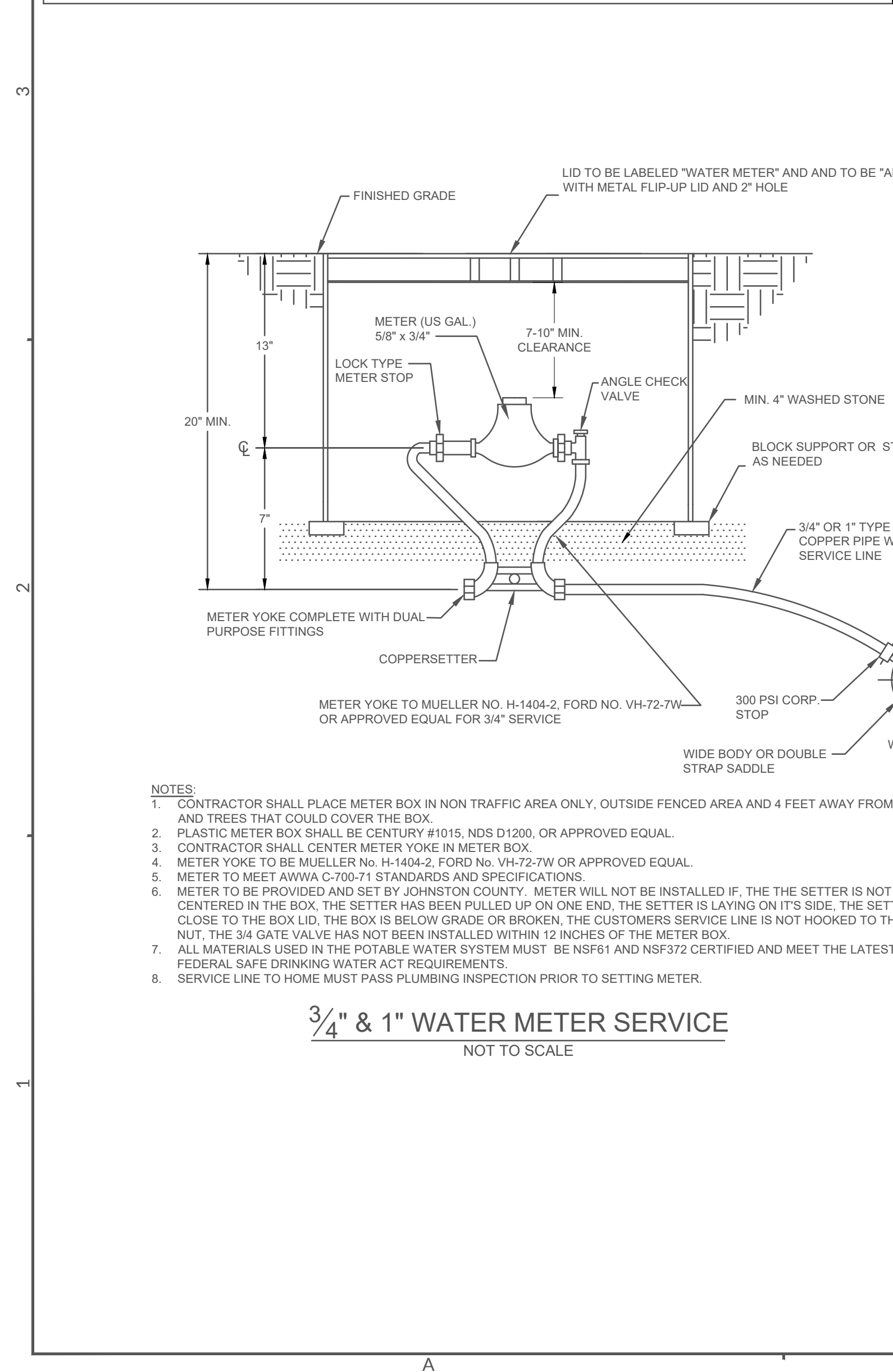
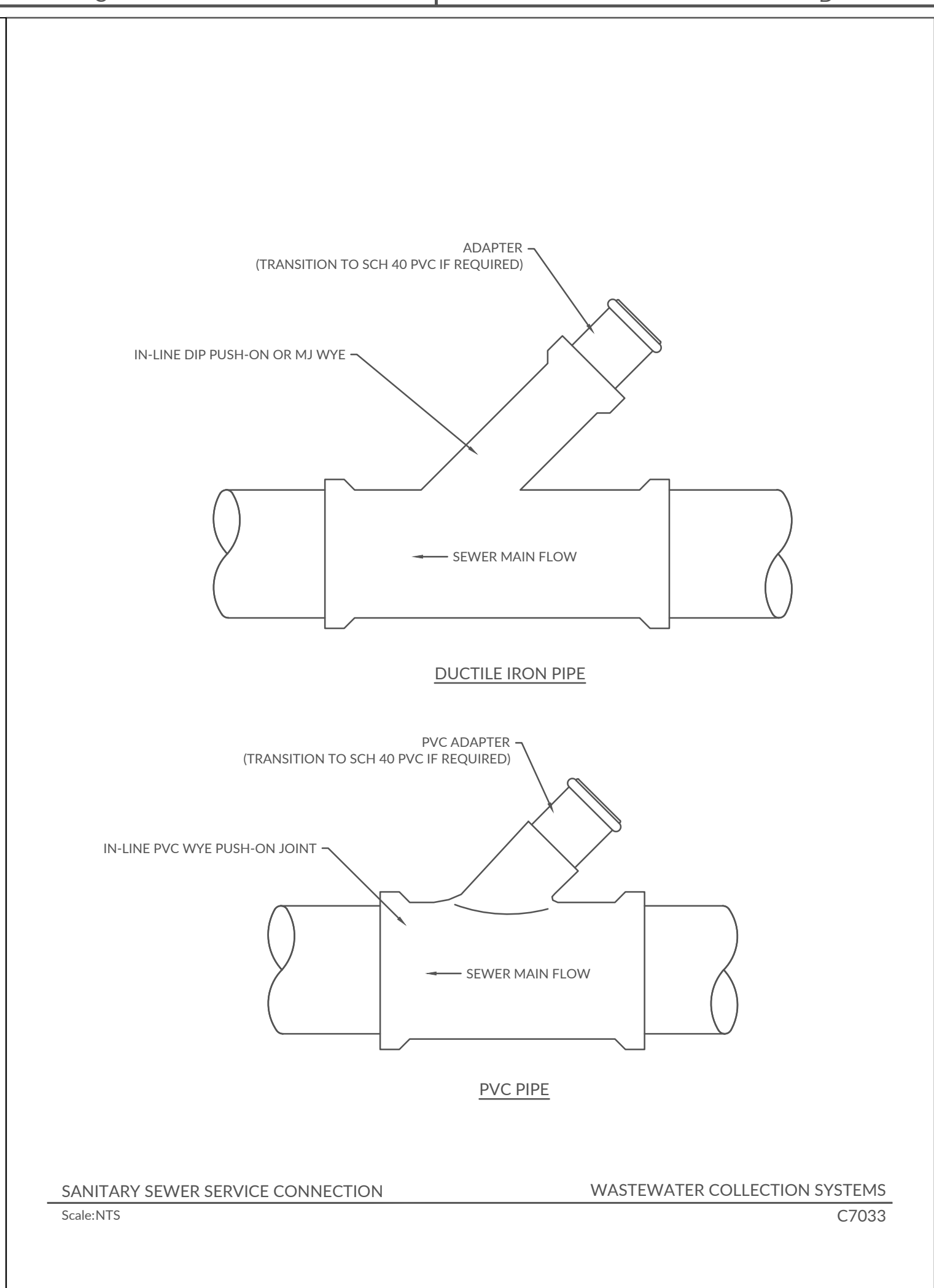
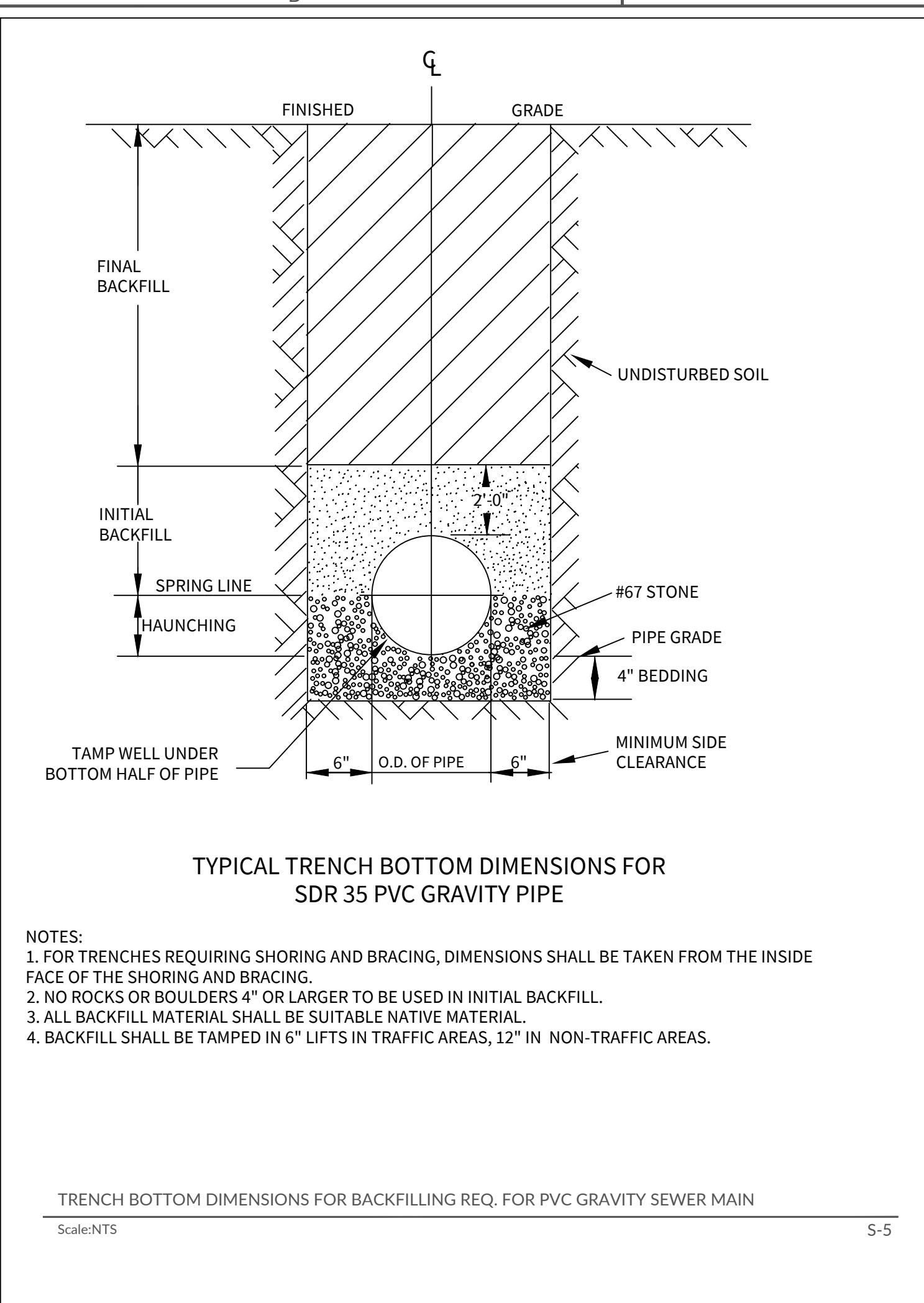
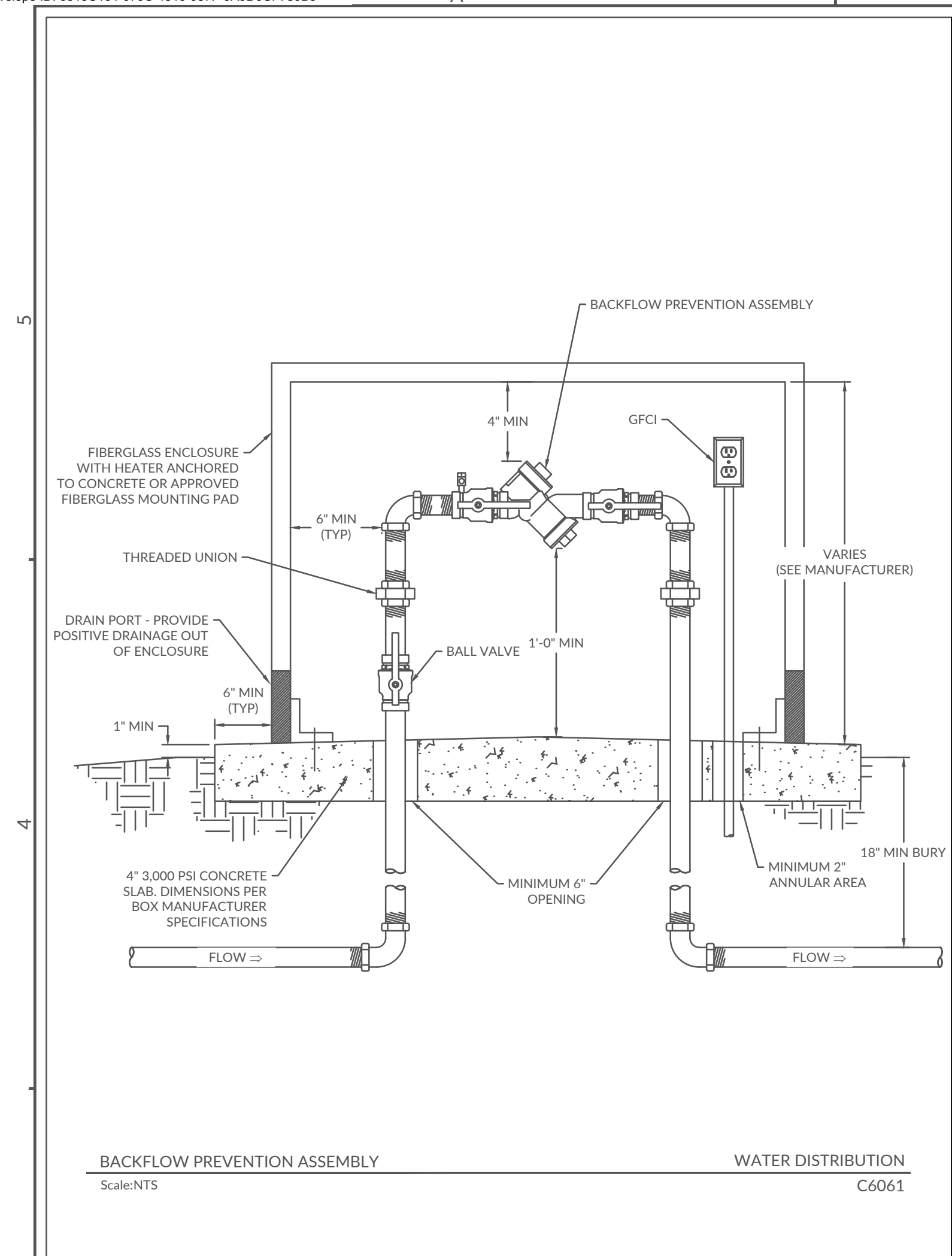
EX. 6" WATERLINE (APPROX. LOCATION)

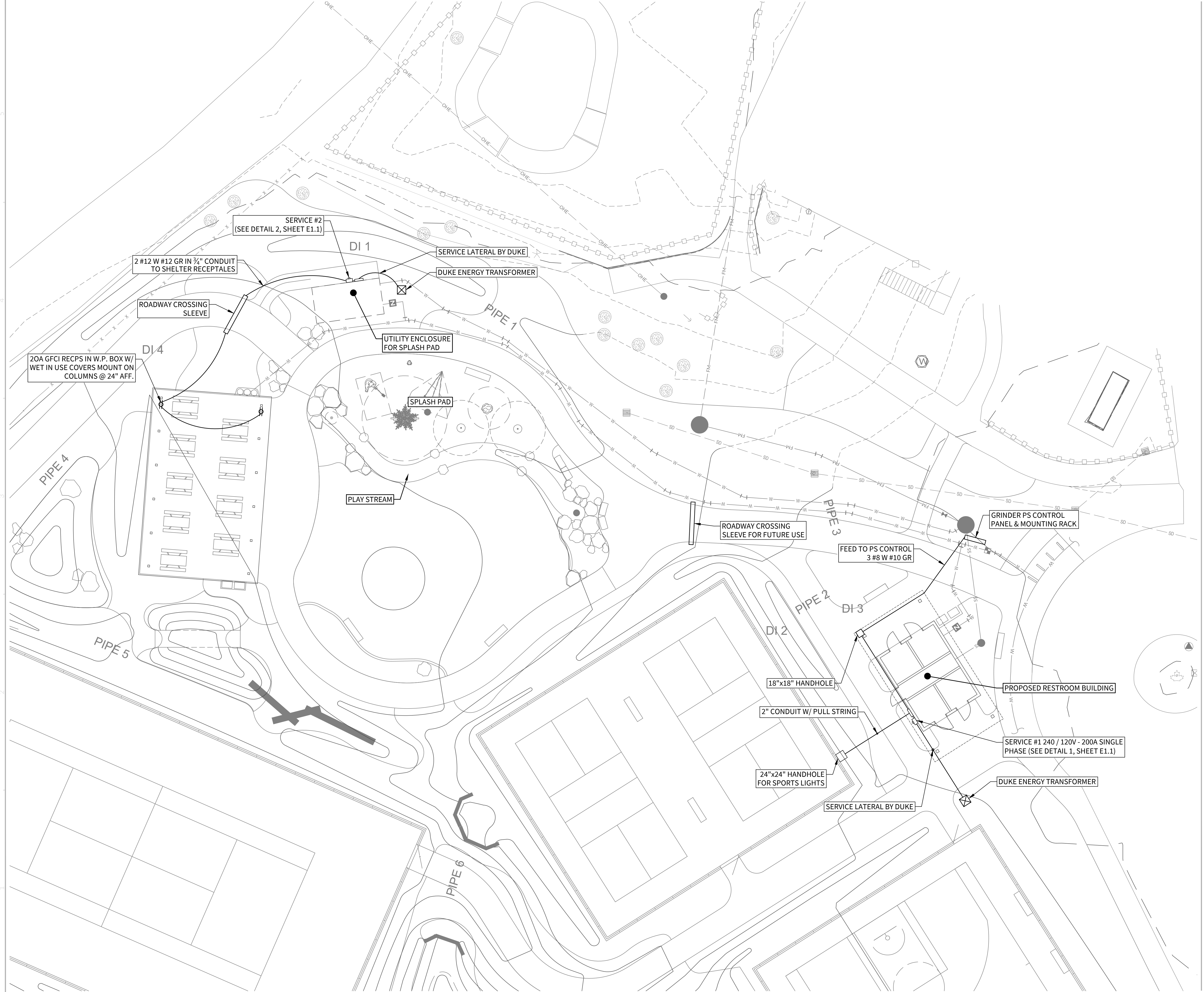
1" DCVA BACKFLOW PREVENTER IN ABOVE GROUND HOTBOX

1" X 3/4" TEE

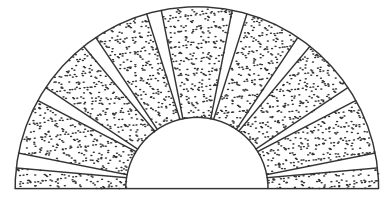
SEE PLUMBING PLANS FOR CONTINUATION INTO RESTROOM BUILDING

PROPOSED RESTROOM BUILDING





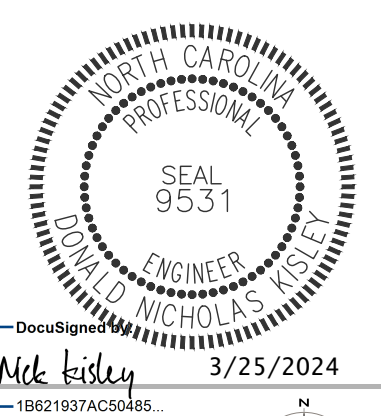
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D.N. Kisley P.E.
 115 MacKenan Drive
 Cary, NC 27511
 Phone: 460-9091
 ELECTRICAL DESIGN

FINAL DRAWING
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BID SET
**JACKSON COUNTY
 SPLASH PAD**
 335 FRANK ALLEN ROAD | CASHIERS, NC | JACKSON COUNTY

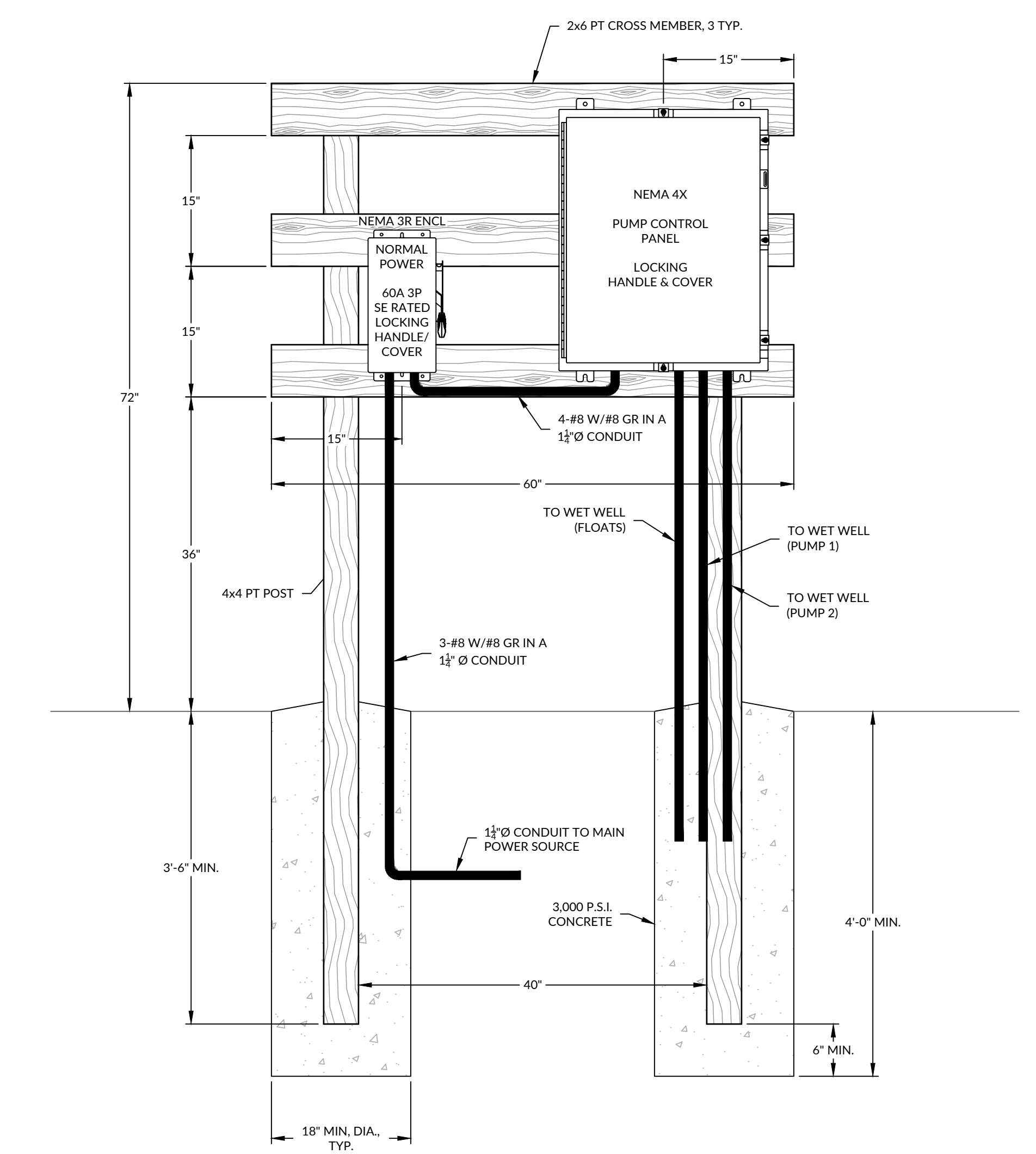
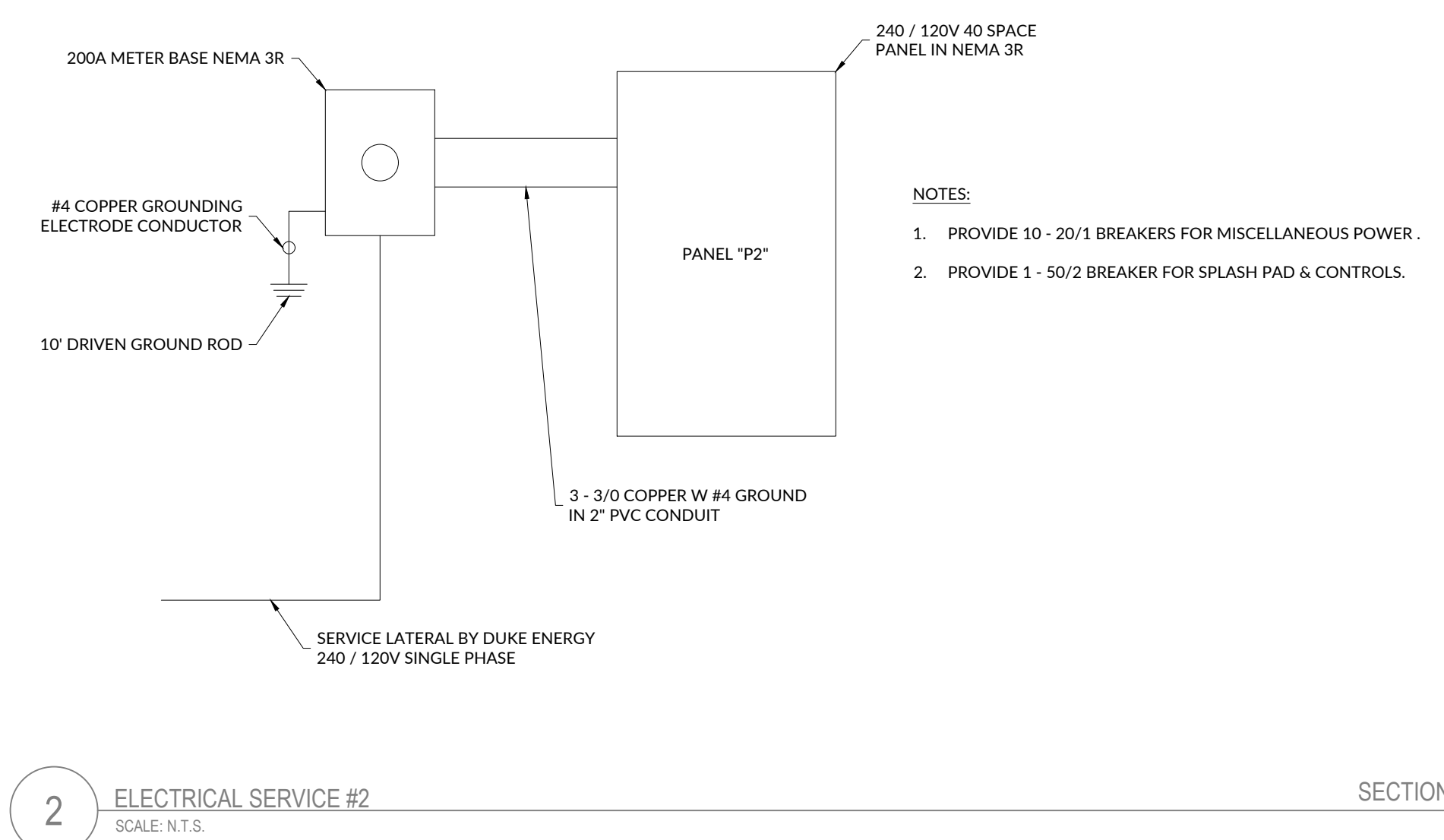
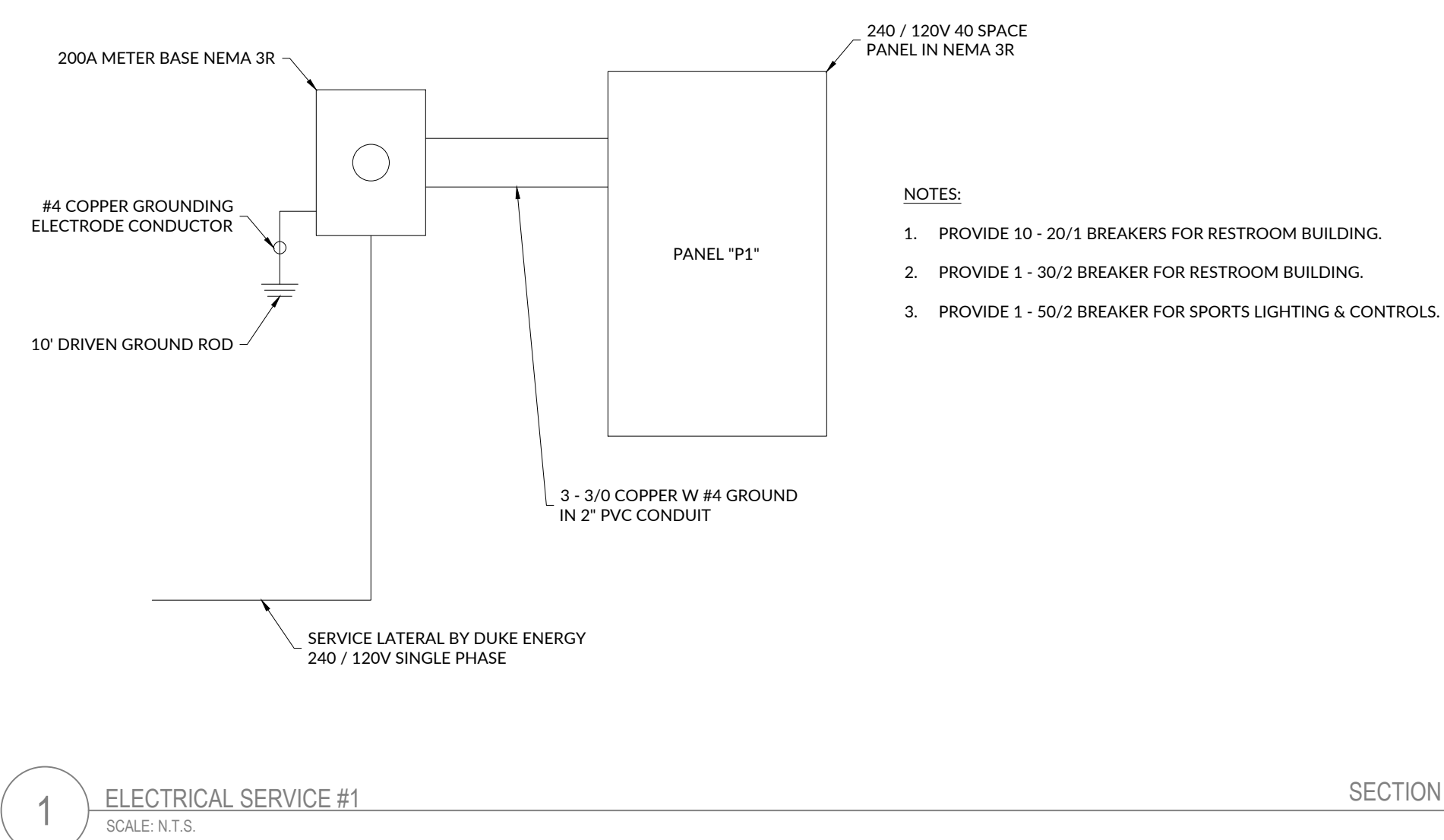


SCALE: 1 inch = 10 ft
 INITIAL PLAN DATE: 03/22/2024
 REVISIONS:

WR JOB NUMBER 08221054
 DRN: WR DGN: WR CRBD: WR

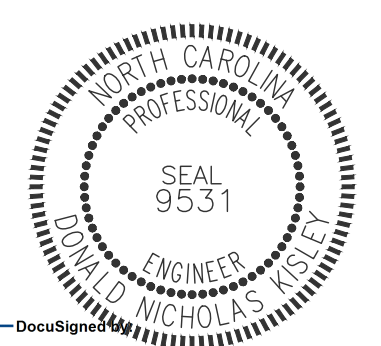
ELECTRICAL PLAN

E1.0




D.N. Kisley P.E.
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Phone: 460-9091
ELECTRICAL DESIGN

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Drawn by: *Nick Kiley* 3/25/2024
1821937AC9588...

INITIAL PLAN DATE: 03/22/2024
REVISIONS:

WR JOB NUMBER 08221054
DRN: WR DGN: WR CRKD: WR

ELECTRICAL DETAILS

E1.1