

PRELIMINARY PLAT OF SPRINGS AT CHERRY LAKE

A Single-Family Residential Subdivision

LEGAL DESCRIPTION (PROVIDED BY LAND SURVEYOR)

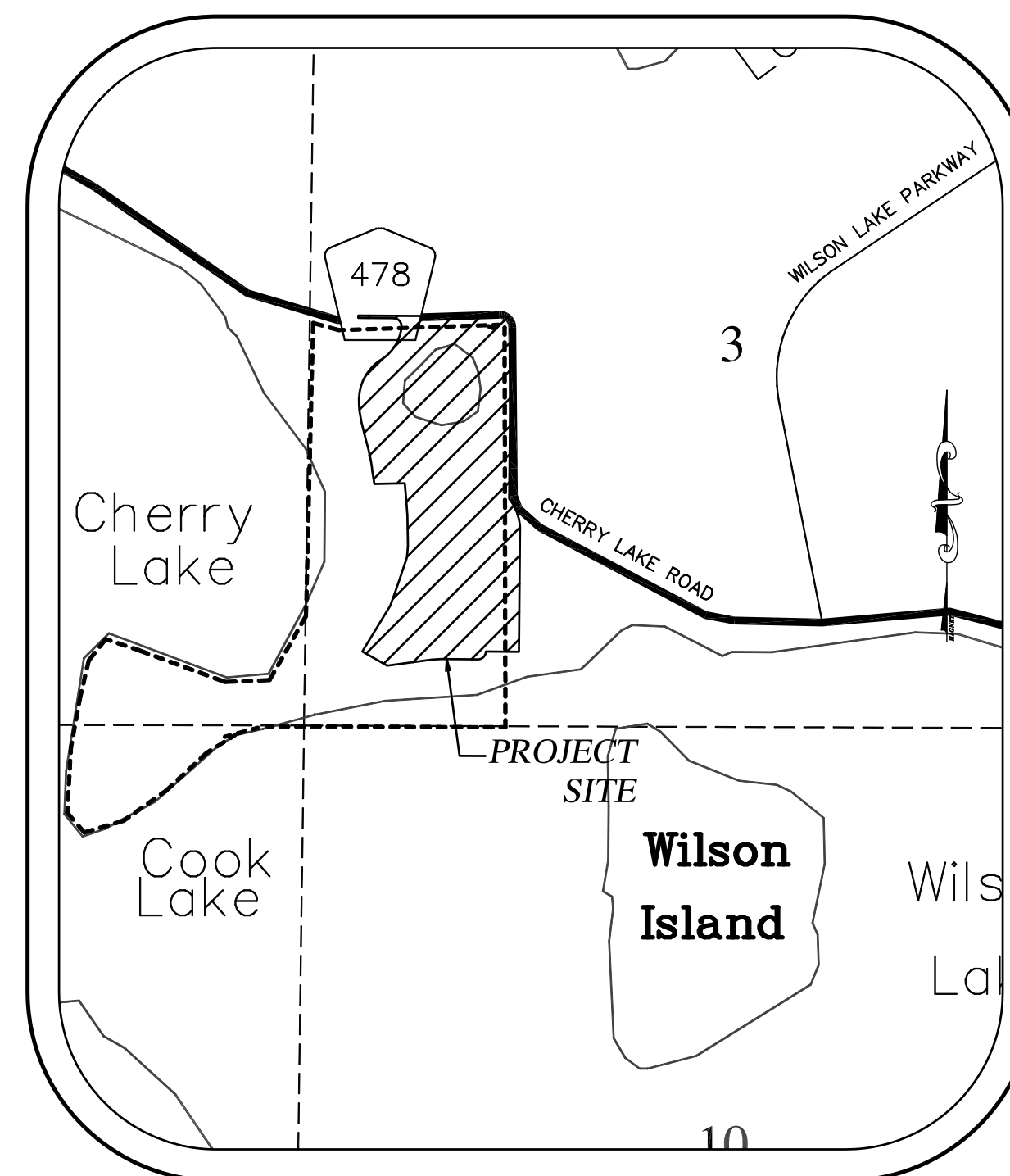
A parcel of land lying in and being a portion of Government Lot 5, Section 3, Township 22 South, Range 25 East, Lake County, Florida, being more particularly described as follows:

Commence at the Northeast corner of said Government Lot 5, thence coincident with the North Boundary of said Government Lot 5, N 89°38'51" W a distance of 99.33 feet to a point on the South Right-of-way Boundary of Cherry Lake Road said point being the POINT OF BEGINNING, said point also being on a non-tangent curve concave to the Southwest, said curve having a radius of 44.74 feet, a delta angle of 72°35'14" and being subtended by a chord bearing S 35°43'27" E for a distance of 52.97 feet; thence Southeastly coincident with the arc said curve 56.68 feet to a point on the Westerly Right-of-way Boundary of Cherry Lake Road; thence coincident with said Westerly Right-of-way Boundary for the following two (2) calls: 1) S 00°34'06" W a distance of 116.72 feet to a point on a curve concave to the Northeast, said curve having a radius of 243.63 feet, a delta angle of 44°40'27" and being subtended by a chord bearing S 21°43'46" E for a distance of 185.18 feet; 2) thence Southeastly coincident with the arc of said curve 189.96 feet to a point on the East Boundary of said Government Lot 5; thence departing said Westerly Right-of-way Boundary coincident with said East Boundary, S 00°29'21" W a distance of 472.13 feet; thence departing said East Boundary, S 39°28'15" W a distance of 368.35 feet to a point on a non-tangent curve concave to the South, said curve having a radius of 50.00 feet, a delta angle of 105°05'17" and being subtended by a chord bearing S 72°30'18" W for a distance of 79.38 feet; thence coincident with the arc of said curve 91.71 feet to a point of reverse curvature with a curve concave to the North, said curve having a radius of 25.00 feet, a delta angle of 70°31'44" and being subtended by a chord bearing S 55°13'31" W for a distance of 28.87 feet; thence coincident with the arc of said curve 30.77 feet; thence N 89°30'37" W a distance of 157.21 feet to a point on a tangent curve concave to the South, said curve having a radius of 525.00 feet, a delta angle of 8°10'32" and being subtended by a chord bearing S 86°24'07" W for a distance of 74.85 feet; thence coincident with the arc of said curve 74.91 feet; thence S 82°18'51" W a distance of 180.47 feet to a point on a tangent curve concave to the North, said curve having a radius of 208.42 feet, a delta angle of 31°54'21" and being subtended by a chord bearing N 87°55'35" W for a distance of 114.57 feet; thence coincident with the arc of said curve 116.06 feet to a point of compound curvature with a curve concave to the Northeast, said curve having a radius of 207.95 feet, a delta angle of 13°57'25" and being subtended by a chord bearing N 62°49'45" W for a distance of 50.53 feet; thence coincident with the arc of said curve 50.66 feet; thence N 58°37'16" W a distance of 80.91 feet; thence N 31°22'51" E a distance of 104.00 feet; thence N 31°22'44" E a distance of 196.80 feet; thence N 18°44'06" E a distance of 316.45 feet; thence N 04°42'25" E a distance of 123.51 feet; thence N 03°09'47" W a distance of 170.00 feet; thence N 04°49'22" W a distance of 32.83 feet; thence S 87°33'56" W a distance of 140.22 feet to a point on a non-tangent curve concave to the West, said curve having a radius of 1428.62 feet, a delta angle of 9°38'28" and being subtended by a chord bearing N 07°15'40" W for a distance of 240.11 feet; thence coincident with the arc of said curve 240.39 feet; thence N 11°45'00" W a distance of 387.44 feet to a point on a tangent curve concave to the East, said curve having a radius of 270.00 feet, a delta angle of 63°27'20" and being subtended by a chord bearing N 19°58'41" E for a distance of 283.98 feet; thence coincident with the arc of said curve 299.03 feet; thence N 51°42'20" E a distance of 70.58 feet to a point on a curve concave to the Northwest, said curve having a radius of 300.00 feet, a central angle of 18°42'56" and being subtended by a chord bearing N 42°20'52" E for a distance of 97.56 feet; thence coincident with the arc of said curve 98.00 feet to a point of reverse curvature with a curve concave to the Southeast, said curve having a radius of 787.00 feet, a central angle of 6°16'08" and being subtended by a chord bearing N 36°07'28" E for a distance of 86.07 feet; thence coincident with the arc of said curve 86.11 feet to a point of reverse curvature with a curve concave Northwestly, said curve having a radius of 93.00 feet, a central angle of 30°37'32" and being subtended by a chord bearing N 23°56'46" E for a distance of 49.12 feet; thence coincident with the arc of said curve 49.71 to a point of compound curvature concave to the West, said curve having a radius of 326.00 feet, a central angle of 8°16'52" and being subtended by a chord bearing N 04°29'35" E for a distance of 47.08 feet; thence coincident with the arc of said curve 47.12 feet; thence N 00°23'16" E a distance of 12.57 feet to a point on a curve concave Southeastly, said curve having a radius of 25.00 feet, a central angle of 90°00'00" and being subtended by a chord bearing N 45°21'09" E for a distance of 35.36 feet; thence coincident with the arc of said curve 39.27 feet; thence N 00°00'00" E a distance of 15.00 feet to a point on the Southerly Right-of-way Boundary of Cherry Lake Road; thence coincident with said Southerly Right-of-way Boundary S 89°38'51" E a distance of 563.84 feet to the POINT OF BEGINNING.

Containing an area of 1660394.10 square feet, 38.117 acres more or less.

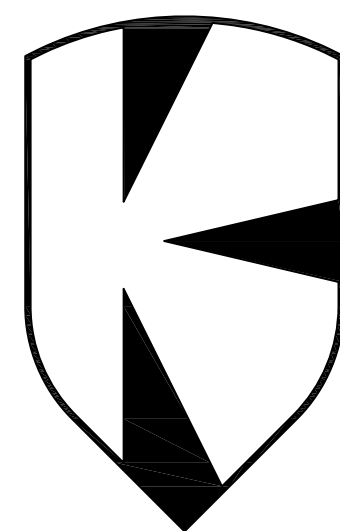
SERVICES

POTABLE WATER..... CITY OF GROVELAND
 SANITARY SEWER..... CITY OF GROVELAND
 ELECTRIC..... DUKE ENERGY
 TELEPHONE..... EMBARQ
 CABLE TELEVISION..... COMCAST
 FIRE PROTECTION..... CITY OF GROVELAND
 POLICE PROTECTION..... CITY OF GROVELAND
 SCHOOLS..... LAKE COUNTY PUBLIC SCHOOLS



LOCATION MAP
SCALE 1"=1000'

SECTION 3, TOWNSHIP 22S, RANGE 25E
CITY OF GROVELAND, FLORIDA



THOMAS L. KNIGHT, P.E.
 PROFESSIONAL ASSOCIATION
 Planning, Design, Permitting, Inspection
 1135 EAST AVENUE, CLERMONT, FL 34711
 PHONE: (352) 394-8514

Certificate of Authorization No. 00029972

PROJECT NO.
K06-11

OWNER/DEVELOPER

L&D LLC, ET AL
 P.O. BOX 97
 BELL, FL 32619
 (352) 463-2942

LAND SURVEYOR

SURVTECH SOLUTIONS, INC.
 10220 U.S. HWY 92 E.
 TAMPA, FL 33610
 (813) 621-4929

GEOTECHNICAL ENGINEER

ANDREYEV ENGINEERING, INC.
 1170 W. MINNEOLA AVENUE
 CLERMONT, FL 34711
 (352) 241-0508

LANDSCAPE CONSULTANT

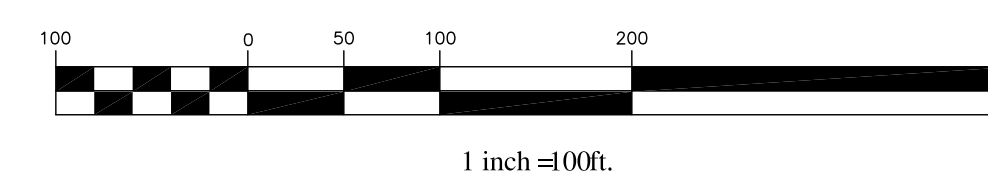
TILLMAN AND ASSOCIATES ENGINEERING, LLC
 1720 SE 16TH AVENUE, BLDG. 100
 OCALA, FLORIDA 34471
 (352) 307-1947

SHEET INDEX

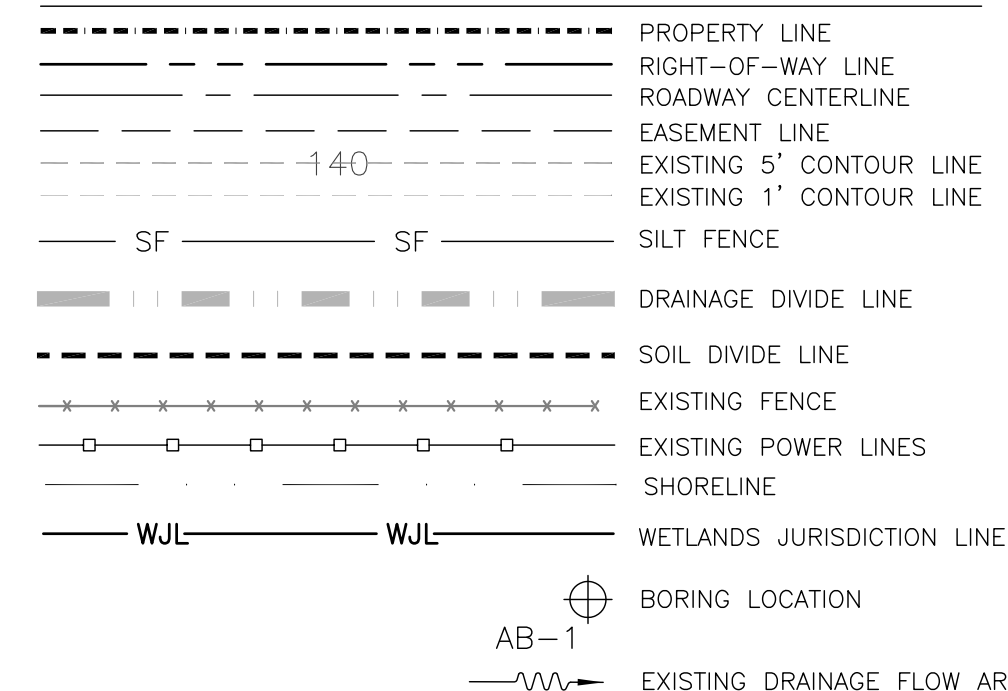
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NOTES:
 THE PROPERTY LINE BOUNDARY INFORMATION AND OFFSITE EASEMENT INFORMATION SHOWN HEREON IS BASED ON PROPOSED OWNERSHIP AND PROPOSED EASEMENT AGREEMENTS WITH THE ADJACENT PROPERTY OWNER(S). A PORTION OF THE PROPERTY LOCATED WITHIN THE PROPOSED PROPERTY LINE AND WITHIN THE PROPOSED EASEMENTS SHOWN HEREON IS OWNED BY ENTITIES OTHER THAN THE OWNER INDICATED ON THESE PLANS. AT THE TIME THESE PLANS WERE CERTIFIED BY THE ENGINEER OF RECORD, DEEDS FOR OWNERSHIP AND EASEMENTS HAD NOT BEEN EXECUTED. THIS SUBMITTAL IS BEING MADE FOR REVIEW PURPOSES ONLY.

GRAPHIC SCALE



LEGEND



NOTES:
 1. ALL EXISTING STRUCTURES, FENCES, CONCRETE SLABS, SEPTIC SYSTEMS, AND WATER WELLS SHALL BE DEMOLISHED AND DISPOSED OF OFFSITE IN ACCORDANCE WITH ALL LOCAL AND STATE REGULATIONS.
 2. ALL UTILITY POLES AND OVERHEAD UTILITY LINES IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE RELOCATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY OWNING THE POLES AND LINES.

EROSION CONTROL PLAN

An erosion control plan shall be implemented by the Contractor and the Contractor shall execute all measures necessary to limit the transport of sediments outside the limits of the project to the quantities and conditions that exist prior to the commencement of construction. This condition will be satisfied for the total anticipated construction period. Provisions shall be made to preserve the integrity and capacity of stormwater inlets, sediment basins, slope drains, grading patterns, etc. required to meet this provision throughout the life of the construction of the project. Contractor shall provide silt barriers, temporary grassing, etc. as required to fully comply with the intent of this specification. Upon completion of construction and completed stabilization of potential erosion areas, the contractor shall remove sedimentation control measures and clean and repair any areas affected by the construction activities.

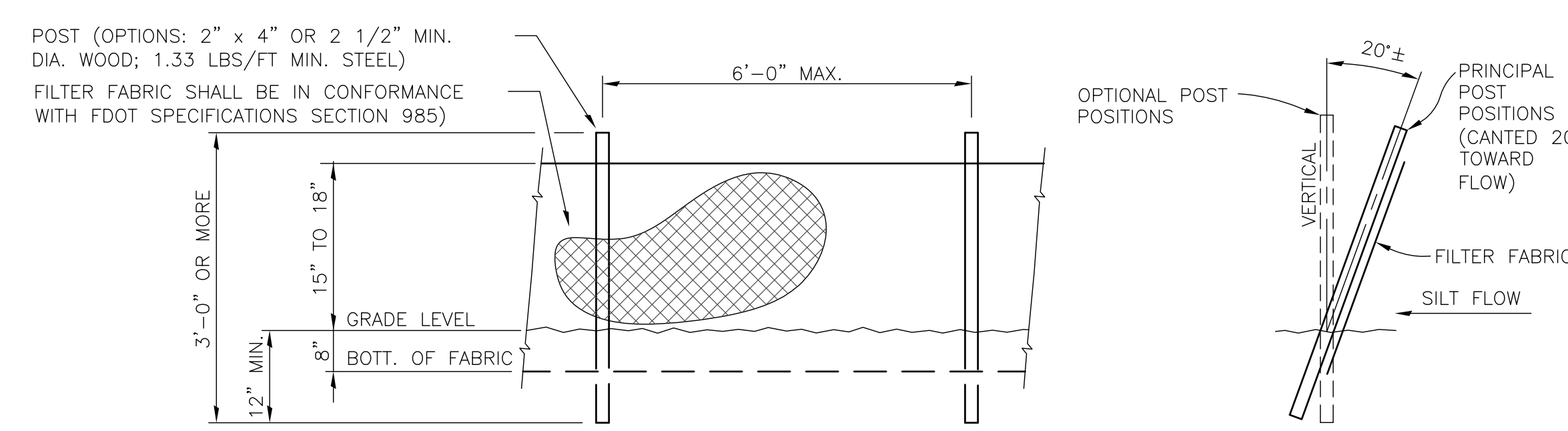
STOCKPILING MATERIAL
 No excavated material shall be stockpiled in such a manner as to direct stormwater off the project site or into any adjacent water body or stormwater collection system. Excavated material shall not be stockpiled so as to washout and cause sedimentation of any downstream drainage structures or water bodies.

TEMPORARY SEEDING
 Areas opened by construction operations that are not anticipated to be dressed and receive final grassing treatment within thirty days shall be seeded with a quick growing grass species which will provide an early cover during the season in which it is planted, and will not later compete with the permanent grassing. The minimum rate of seeding shall be 30 lb. per acre.

MAINTENANCE
 All features of the project shall be constructed to prevent erosion and sedimentation and shall be maintained during the life of the construction so as to function properly without the transport of sediments outside the limits of the project. Any sediment accumulations in the drainage system shall be removed and the system restored to original specifications prior to the completion and final approval of the project. Upon final approval and completion of construction, maintenance responsibilities may be transferred to an approved entity.

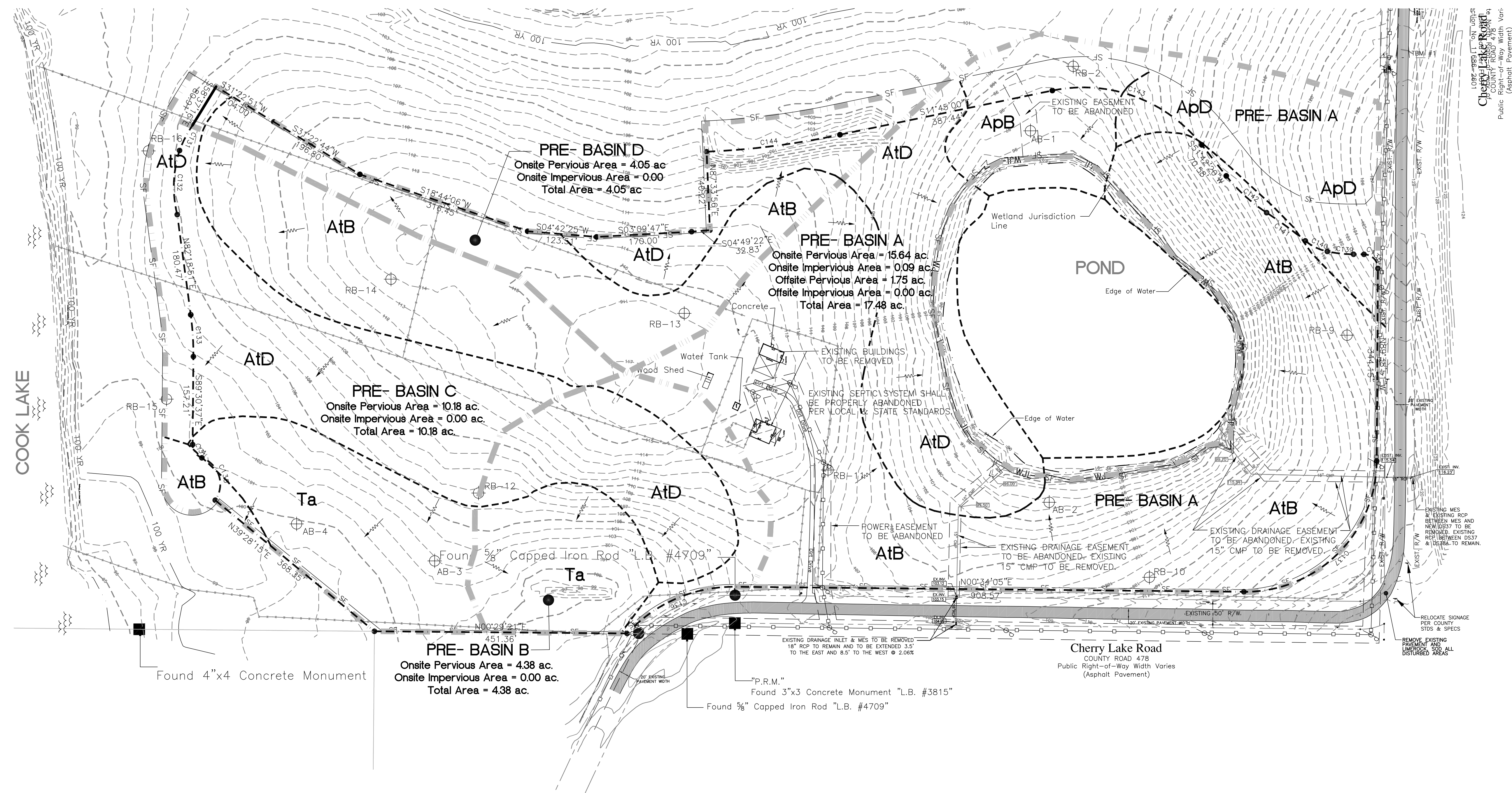
CURVE	LENGTH	RADIUS	DELTA
C131	50.66	207.95	13°57'25"
C132	116.06	208.42	31°54'21"
C133	74.91	525.00	8°10'32"
C134	30.77	25.00	70°31'44"
C135	91.71	50.00	105°05'17"
C136	216.46	258.63	47°57'20"
C137	370.01	234.92	90°14'38"
C138	39.27	25.00	90°00'00"
C139	47.37	229.00	11°51'06"
C140	43.96	93.00	27°05'00"
C141	85.51	787.00	6°13'29"
C142	98.00	300.00	18°42'56"
C143	299.03	270.00	63°27'20"
C144	240.40	1428.62	9°38'29"

Symbol	Description	HSG
AtB	Astatula Sand 0-5% Slopes	A
AtD	Astatula Sand 5-12% Slopes	A
ApB	Apopka Sand 0-5% Slopes	A
ApD	Apopka Sand 5-12% Slopes	A
Ta	Tavares Sand	A



NOTE:
 WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS, 2002, INDEX NO. 102, SHEET 1 OF 3, CHART NO. 1.

ELEVATION
SECTION
TYPE III SILT FENCE
 NTS



SPRINGS AT CHERRY LAKE
 SECTION 3; TOWNSHIP 22S; RANGE 25E, CITY OF GROVELAND, FLORIDA
 OWNER/DEVELOPER: L&D LLC, ET AL
 ADDRESS: P.O. BOX 97, BELL, FL 32619 PHONE: (352) 463-2942

DATE: NOVEMBER 2014
 DRAWN BY: TLK
 APPROVED BY: TLK
 SCALE: 1" = 100'
 REVISIONS: 05/15 REVISED PER CITY RA

PROJECT NO. K06-11
 EXISTING CONDITIONS
 SHEET: 2 OF 12

THOMAS L. KNIGHT
 #47614

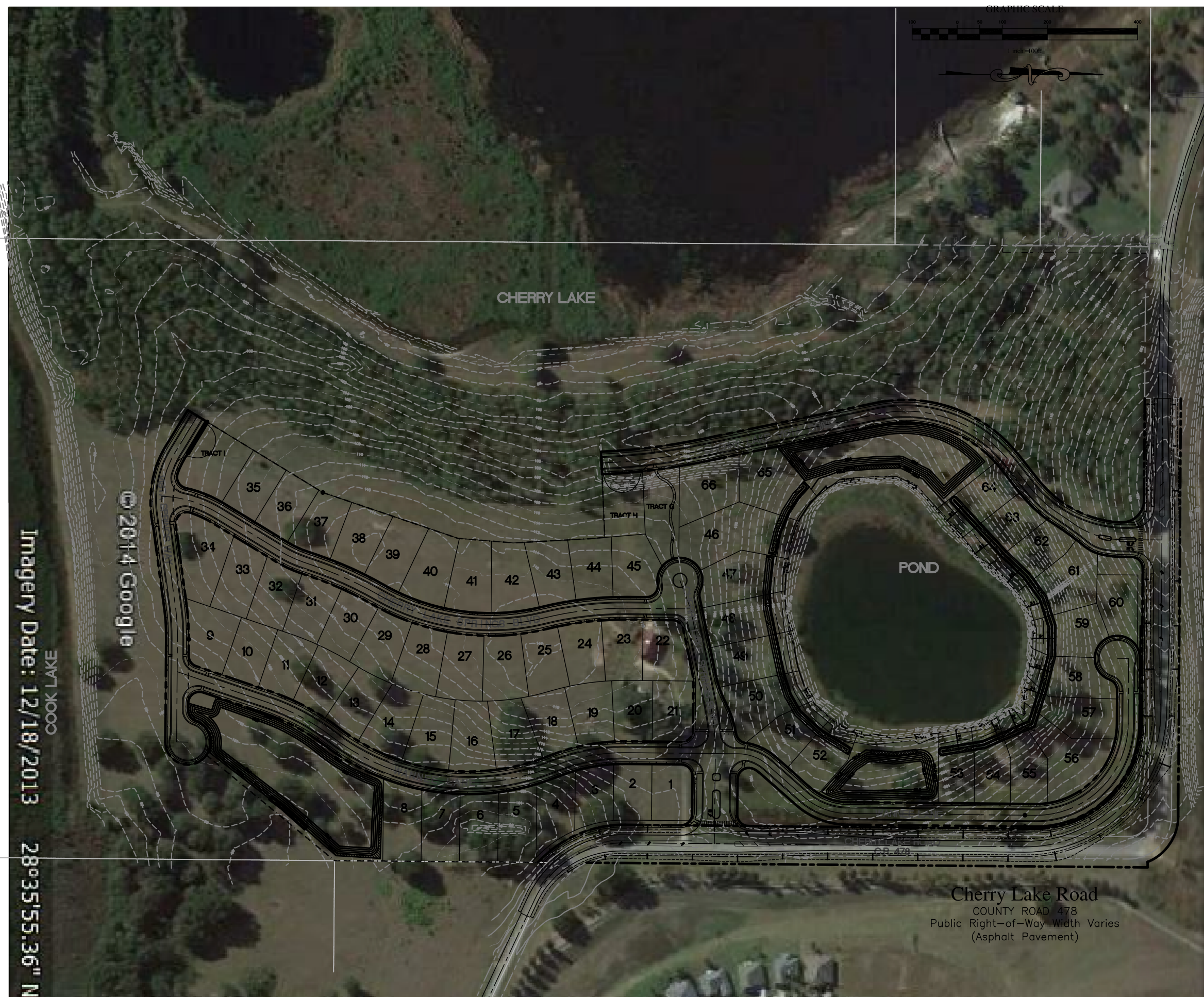
PRELIMINARY PLAT - FOR REVIEW ONLY - NOT FOR CONSTRUCTION

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 Certificate of Authorization No. 00029972

Imagery Date: 12/18/2013 28°35'55.36" N

COOK LAKE

© 2014 Google



Cherry Lake Road

COUNTY ROAD 478
Public Right-of-Way Width Varies
(Asphalt Pavement)

Cherry Lake Road

COUNTY ROAD 478
Public Right-of-Way Width Varies
(Asphalt Pavement)

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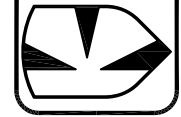
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AERIAL
OVERLAY

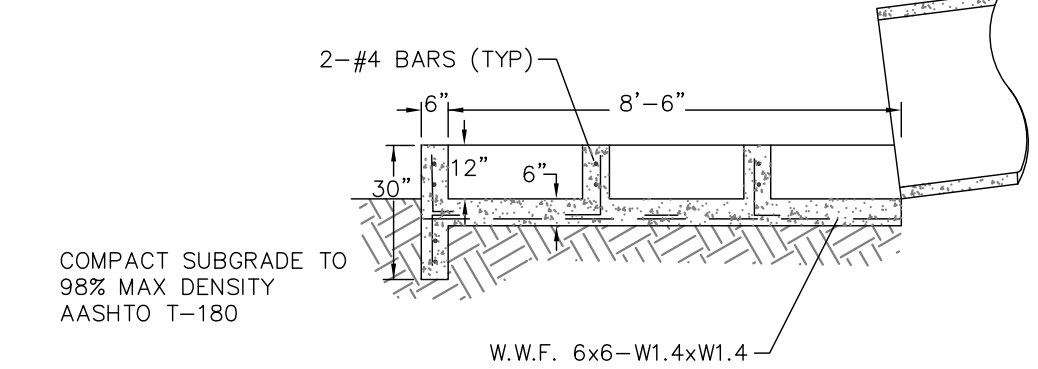
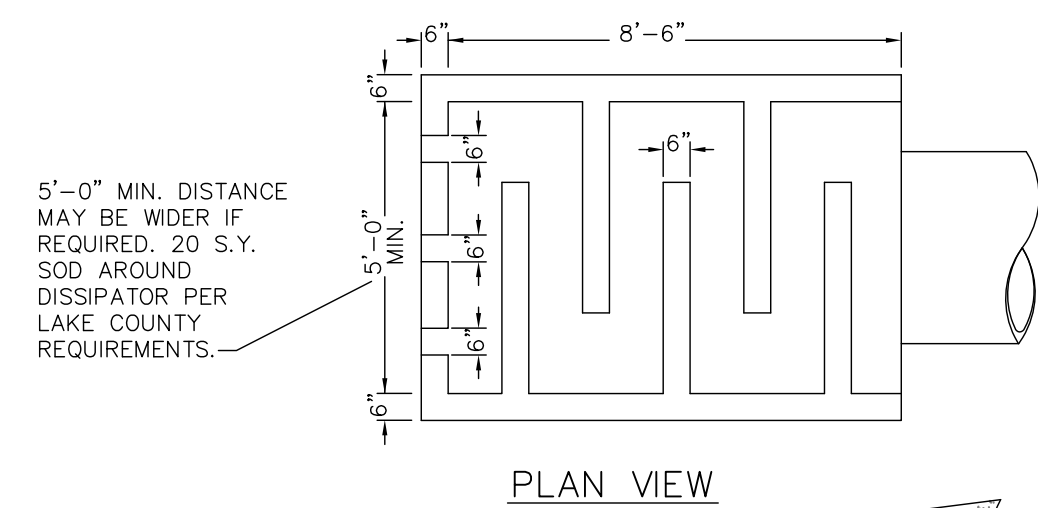
SHEET: 3 OF 12

SPRINGS AT CHERRY LAKE

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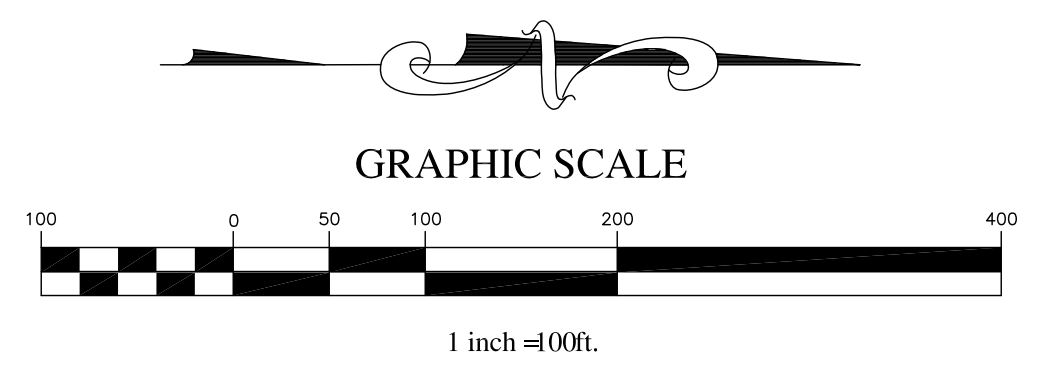


ENERGY DISSIPATOR DETAIL
N.T.S.

CONSTRUCTION TO BE 3000 P.S.I.
PRECAST OR IN PLACE STRUCTURE
SHOP DRAWING REQUIRED.

GENERAL NOTES:

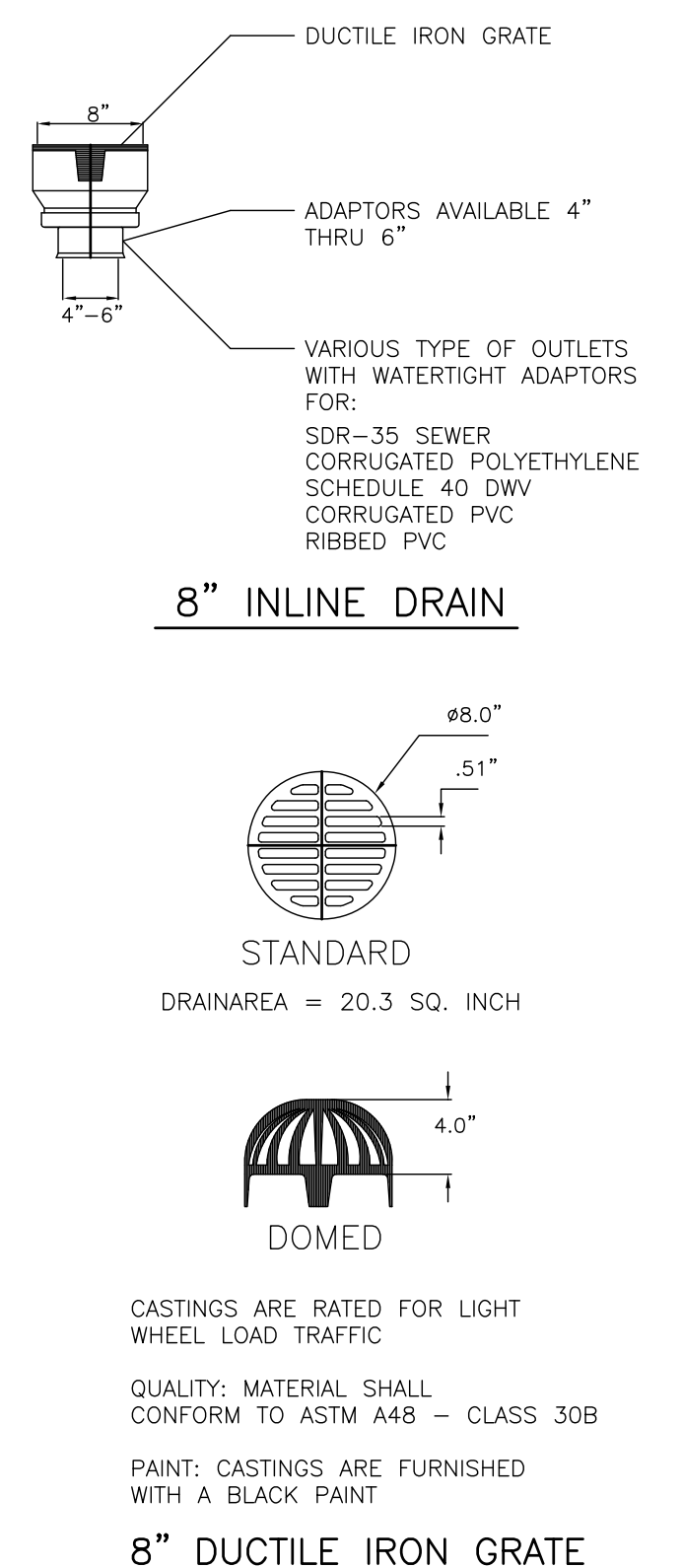
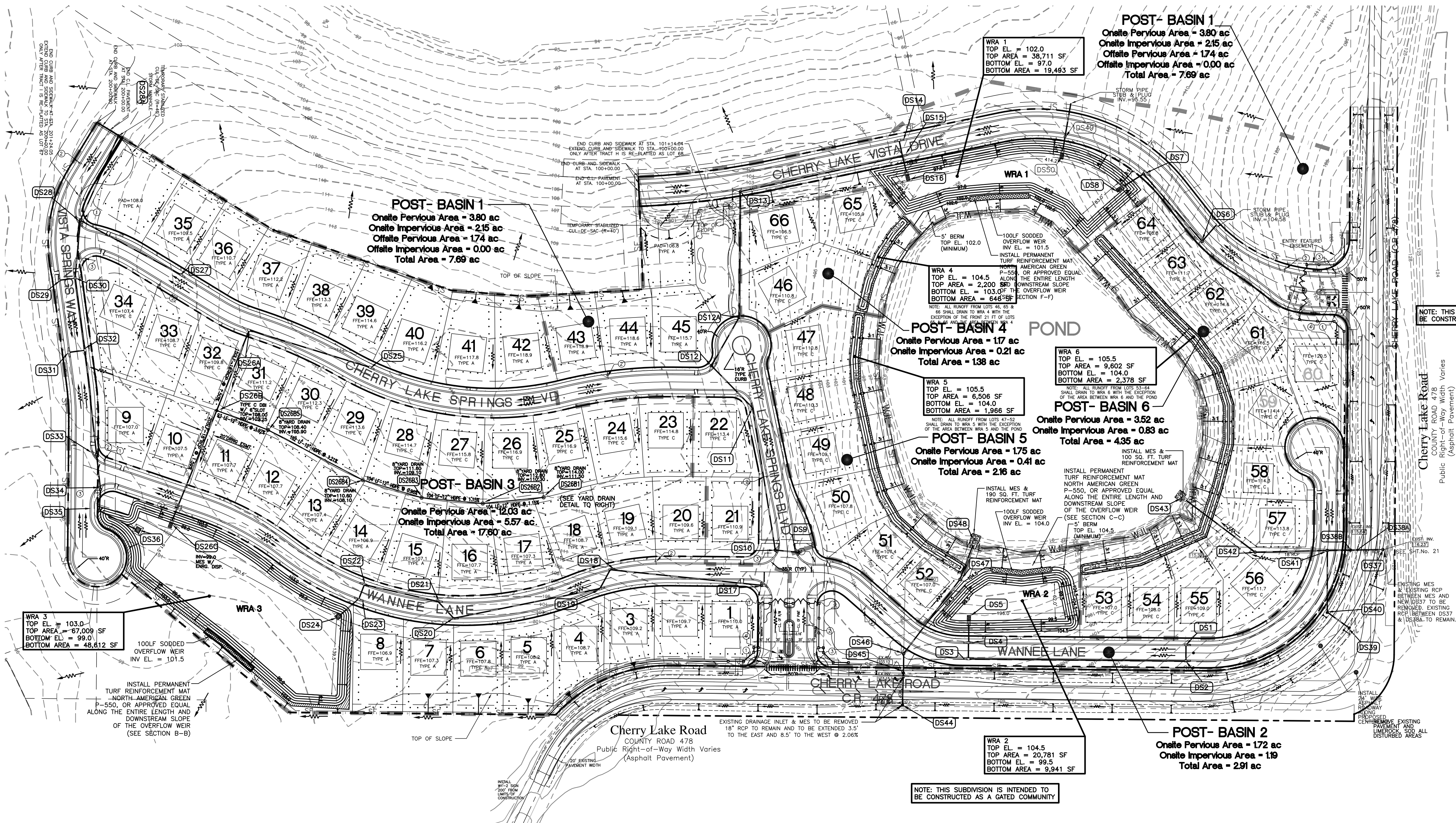
- THE PROPOSED STORMWATER MANAGEMENT SYSTEM WILL BE OPERATED AND MAINTAINED BY THE SPRINGS AT CHERRY LAKE HOMEOWNERS ASSOCIATION.
- ALL STORMWATER RETENTION AREA SIDE SLOPES WILL BE SODDED.
- SOD ALL SLOPES IN EXCESS OF 5:1. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE NOTED.
- ALL CONSTRUCTION SHALL CONFORM TO AND SHALL BE INSTALLED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE CITY OF GROVELAND STANDARDS UNLESS STATED OTHERWISE ON THE PLANS.
- ALL EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, PLANS AND RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER (AS APPLICABLE).
- WHEN TRENCH EXCAVATION EXCEEDS (5) FIVE IN DEPTH:
 - CONTRACTOR SHALL CONFORM TO OSHA STD. 29CFR. SECTION 1926.650 WHICH IS INCORPORATED IN FL. STATE 90-96.
 - THE CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE OF COMPLIANCE WITH THIS LAW.
 - TRENCH SAFETY SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR.
- ALL PIPES SHALL HAVE A MINIMUM COVER OF 36 INCHES OF COVER.
- ALL DRAINAGE PIPES SHALL BE REINFORCED CONCRETE PIPE ONLY, A MINIMUM DIAMETER OF 18 INCHES, AND CLASS III, UNLESS OTHERWISE NOTED.
- DRAINAGE STRUCTURE TOP ELEVATION REFERS TO TOP OF FINISHED STRUCTURE. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY OF GROVELAND AND THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL ENSURE THAT ALL PERMITS FOR CONSTRUCTION ARE OBTAINED PRIOR TO STARTING WORK. ALL PERMITS SHALL BE PROVIDED TO THE CITY OF GROVELAND PRIOR TO STARTING WORK.
- CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- THE LOCATIONS OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE UTILITY COMPANY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING ANY UNDERGROUND UTILITY. EXISTING UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED AS DIRECTED ON THESE PLANS.
- ALL PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- PRIOR TO BEGINNING NEW PHASE CONSTRUCTION, THE CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES AT ALL DOWN STREAM INLETS AND SHALES. IN ADDITION TO THE EROSION CONTROL MEASURES AS SHOWN ON SHEET No. 2.
- BUILDING HEIGHT WILL NOT EXCEED 35 FEET.
- ALL SOD INSTALLED ON SITE SHALL BE NON-MUCK GROWN SOD.
- RECREATION EQUIPMENT MUST BE APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT AND MUST BE INSTALLED BY THE TIME HALF OF THE CERTIFICATES OF OCCUPANCY ARE ISSUED ON THE FIRST DEVELOPMENT.



LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ROADWAY CENTERLINE
	BUILDING SETBACK LINE
	EASEMENT LINE
	EXISTING 5' CONTOUR LINE
	EXISTING 1' CONTOUR LINE
	STORM DRAINAGE PIPE
	SILT FENCE
	DRAINAGE DIVIDE LINE
	WETLANDS JURISDICTION LINE
	SHORELINE
	PROPOSED STEM WALL

-
-
-
-
-
-
-
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NYLOPLAST 8" YARD DRAIN DETAIL
N.T.S.

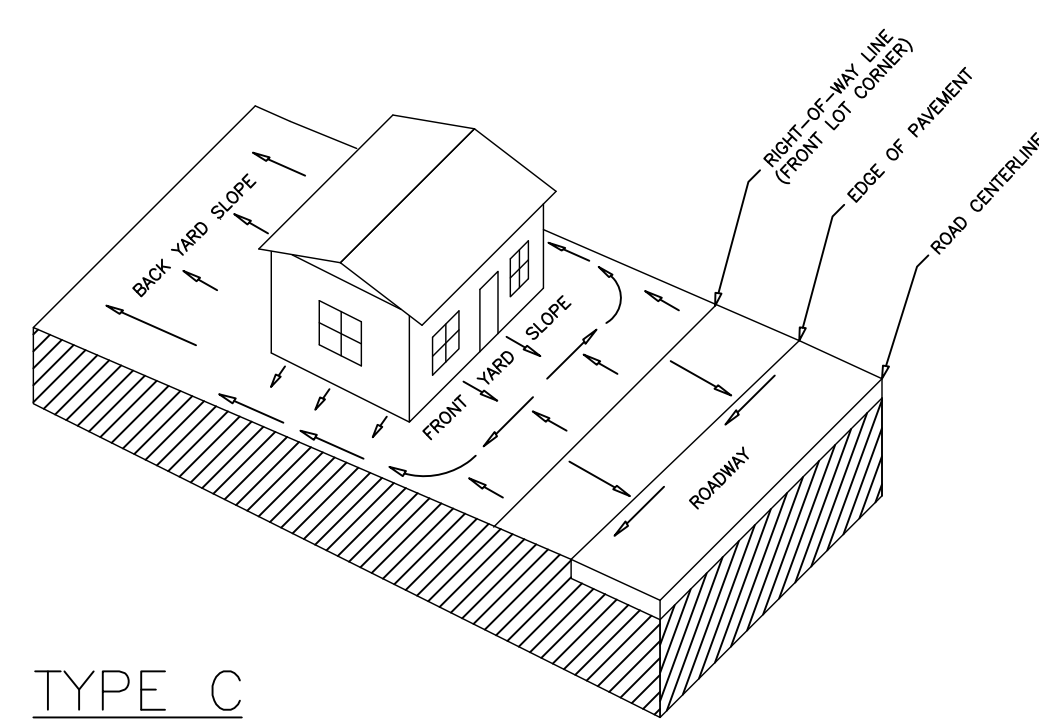
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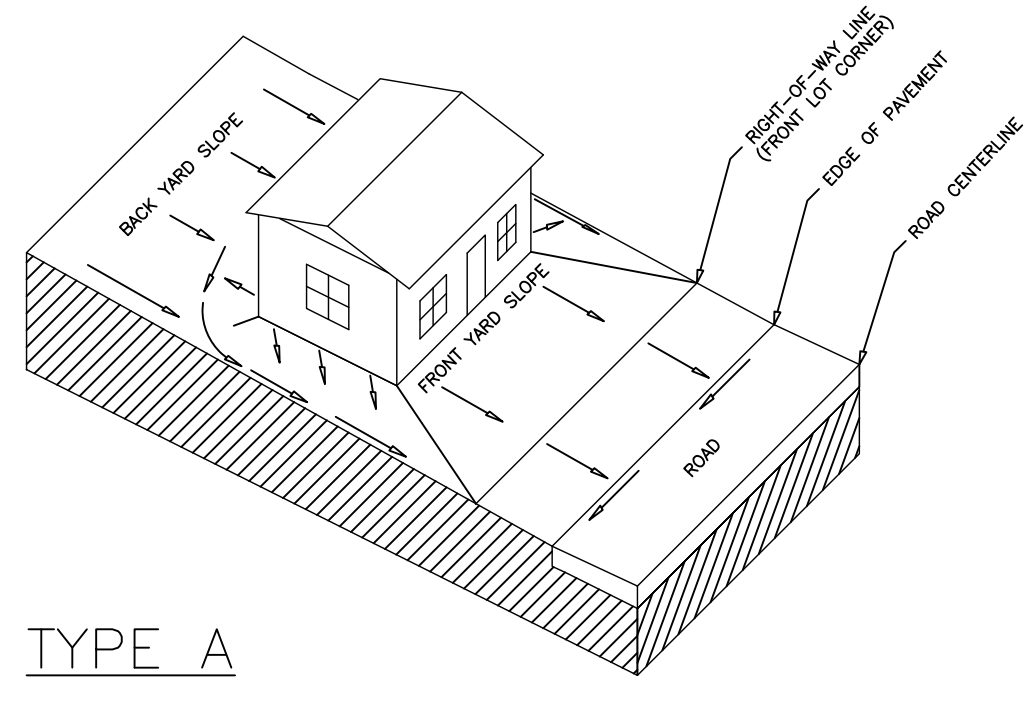
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APPROVED BY: TLK
SCALE: 1"=100'
REVISIONS: 05/15 REVISED PER CITY RAI

PROJECT NO. K06-11
DRAINAGE PLAN
SHEET: 5 OF 12

THOMAS L. KNIGHT
#47614



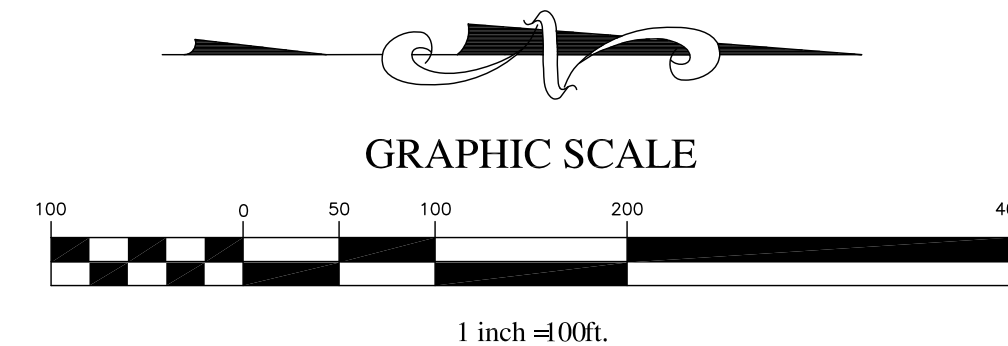
TYPE C



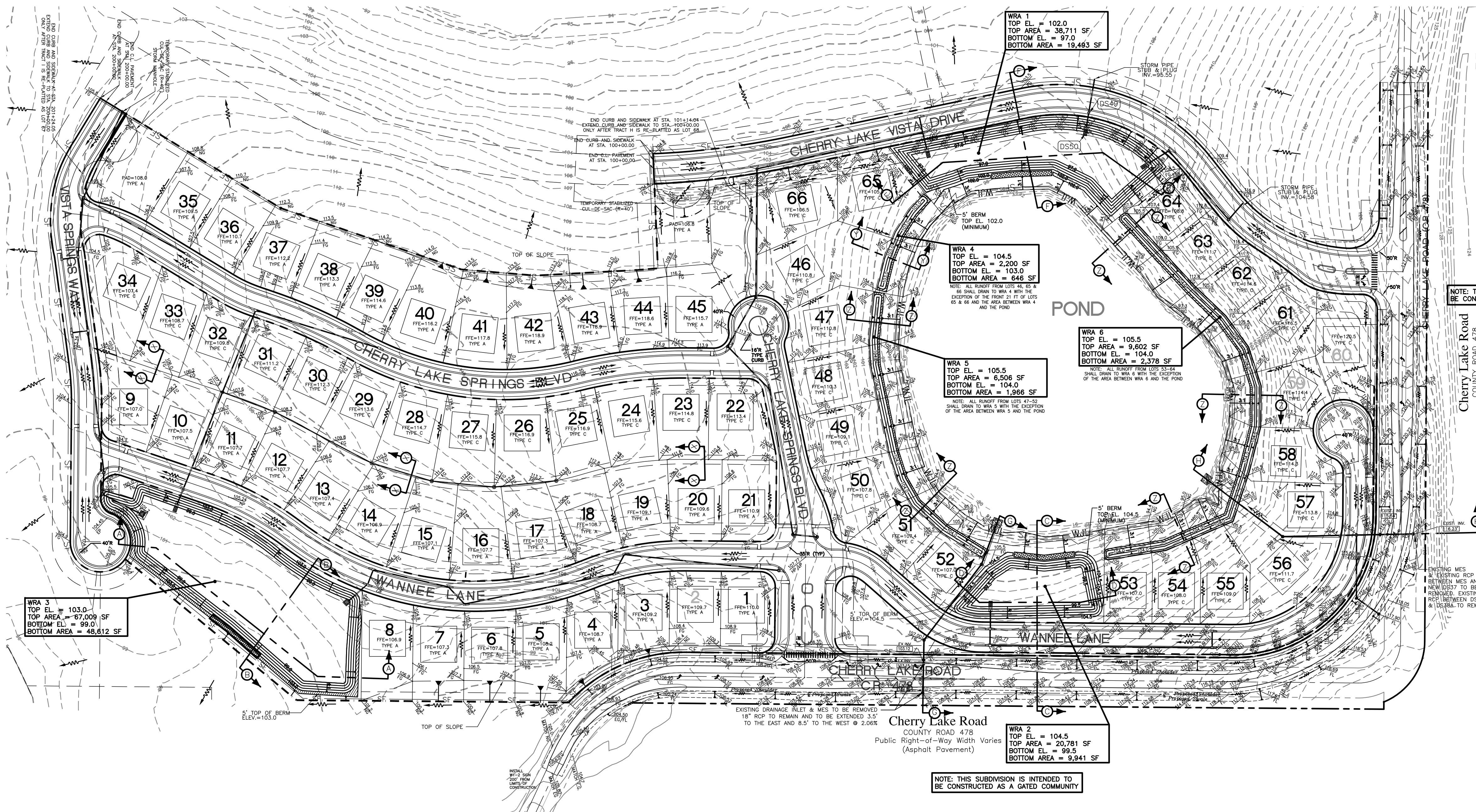
TYPE A

TYPICAL LOT GRADING PLANS

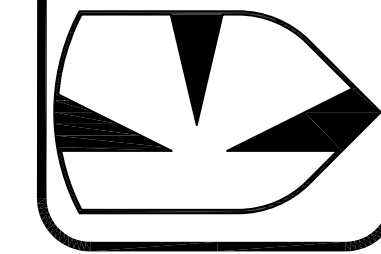
N.T.S.



LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ROADWAY CENTERLINE
	EASEMENT LINE
	EXISTING 5' CONTOUR LINE
	EXISTING 1' CONTOUR LINE
	STORM DRAINAGE PIPE
	SILT FENCE
	DRAINAGE DIVIDE LINE
	WETLANDS JURISDICTION LINE
	SHORELINE
	PROPOSED STEM WALL
	SLOPE INDICATOR
	DRAINAGE FLOW ARROW
	PROPOSED MITERED END SECTION W/ ENERGY DISSIPATOR
	PROPOSED CURB INLET
	STORM INLET
	100.0 FG FINISHED GRADE SPOT ELEVATION
	100.0 NG NATURAL GROUND SPOT ELEVATION
	100.0 FL FLOW LINE SPOT ELEVATION
	100.00 EP EDGE OF PAVEMENT SPOT ELEVATION
	SODDED OVERFLOW WEIR



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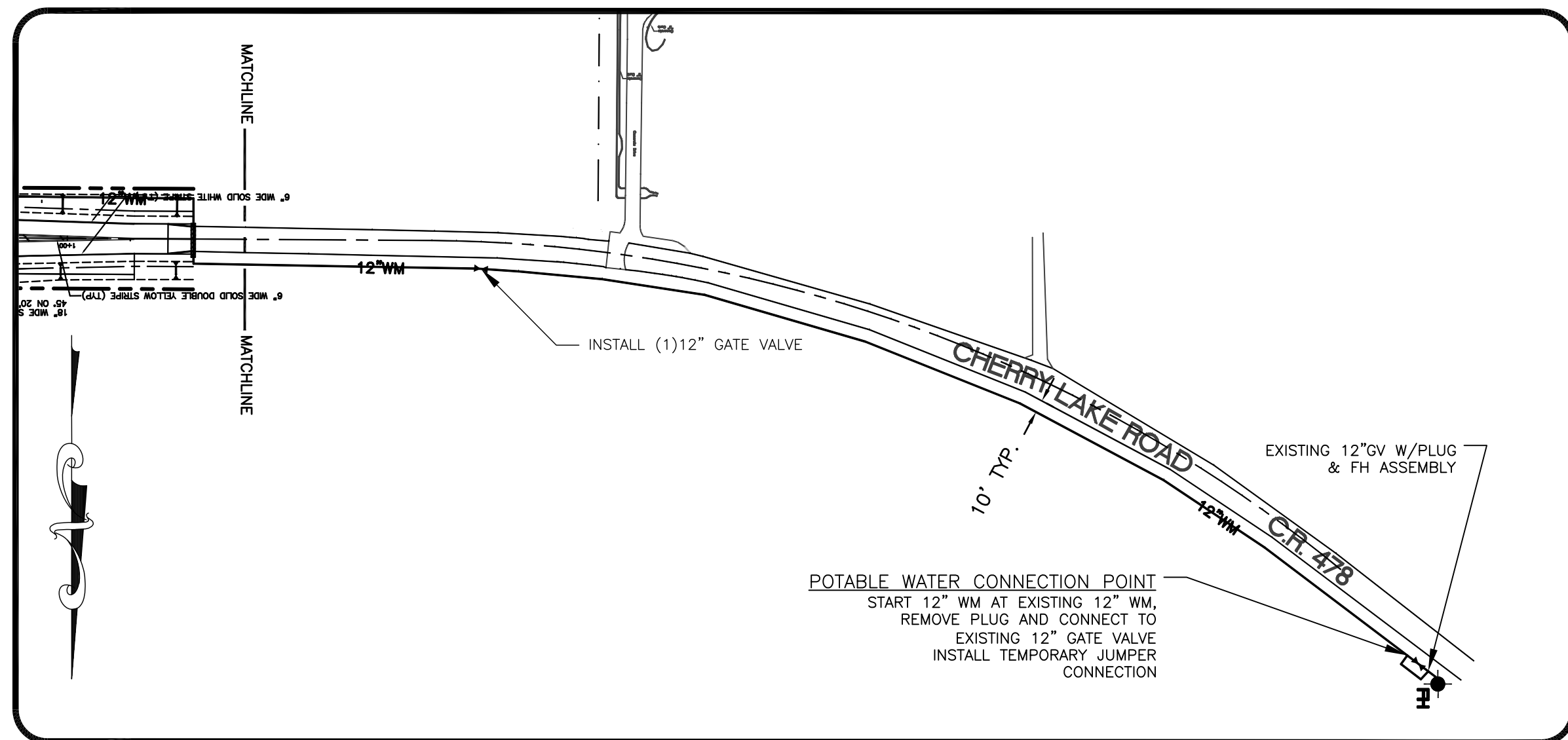
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PROJECT NO. K06-11
 GRADING PLAN

THOMAS L. KNIGHT
 #47614

PRELIMINARY PLAT - FOR REVIEW ONLY - NOT FOR CONSTRUCTION

SHEET: 6 OF 12



OFFSITE WATER MAIN

SCALE: 1" = 100'

LEGEND

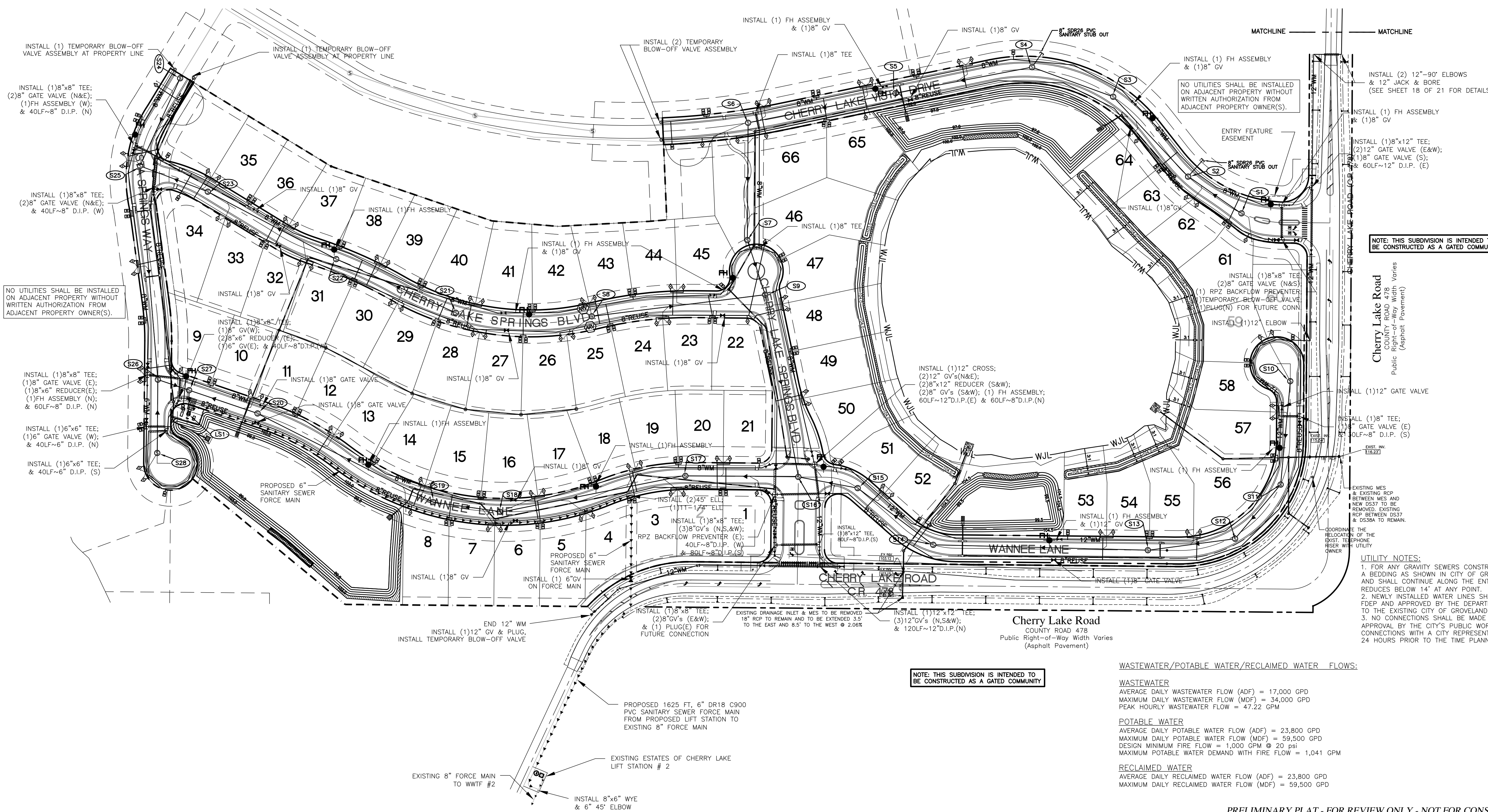
	PROPERTY LINE		AIR RELEASE VALVE
	RIGHT-OF-WAY LINE		FIRE HYDRANT ASSEMBLY
	ROADWAY CENTERLINE		PROPOSED SANITARY MANHOLE
	PROPOSED LOT LINE		PROPOSED SINGLE REUSE SERVICE
	EASEMENT LINE		PROPOSED SINGLE WATER SERVICE
	SILT FENCE		PROPOSED DOUBLE SANITARY SERVICE
	PROPOSED STORM SEWER		PROPOSED DOUBLE WATER SERVICE
	SHORELINE		PROPOSED DOUBLE REUSE SERVICE
	WETLAND JURISDICTIONAL LINE		REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	PROPOSED 8" SANITARY GRAVITY MAIN		
	PROPOSED 6" SANITARY FORCE MAIN		
	PROPOSED 8" REUSE WATER MAIN		
	PROPOSED 8" POTABLE WATER MAIN		



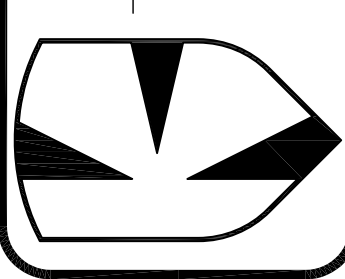
GRAPHIC SCALE



1 inch = 100ft.



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SPRINGS AT CHERRY LAKE
 SECTION 3; TOWNSHIP 22S; RANGE 25E, CITY OF GROVELAND, FLORIDA
 OWNER/DEVELOPER: L&D LLC, ET AL
 ADDRESS: P.O. BOX 97, BELL, FL 32619 PHONE: (352) 463-2942

DATE: NOVEMBER 2014
 DRAWN BY: TLK
 APPROVED BY: TLK
 SCALE: 1" = 100'
 REVISIONS:
 05/15 REVISED PER CITY RA

PROJECT NO. K06-11
 UTILITY PLAN

THOMAS L. KNIGHT
 #47614

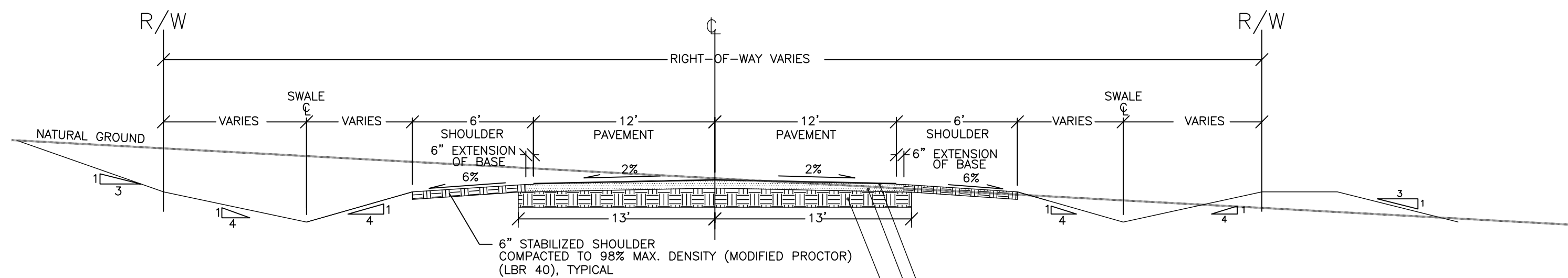
WASTEWATER/POTABLE WATER/RECLAIMED WATER FLOWS:

WASTEWATER
 AVERAGE DAILY WASTEWATER FLOW (ADF) = 17,000 GPD
 MAXIMUM DAILY WASTEWATER FLOW (MDF) = 34,000 GPD
 PEAK HOURLY WASTEWATER FLOW = 47.22 GPM

POTABLE WATER
 AVERAGE DAILY POTABLE WATER FLOW (ADF) = 23,800 GPD
 MAXIMUM DAILY POTABLE WATER FLOW (MDF) = 59,500 GPD
 DESIGN MINIMUM FIRE FLOW = 1,000 GPM @ 20 psi
 MAXIMUM POTABLE WATER DEMAND WITH FIRE FLOW = 1,041 GPM

RECLAIMED WATER
 AVERAGE DAILY RECLAIMED WATER FLOW (ADF) = 23,800 GPD
 MAXIMUM DAILY RECLAIMED WATER FLOW (MDF) = 59,500 GPD

PRELIMINARY PLAT - FOR REVIEW ONLY - NOT FOR CONSTRUCTION

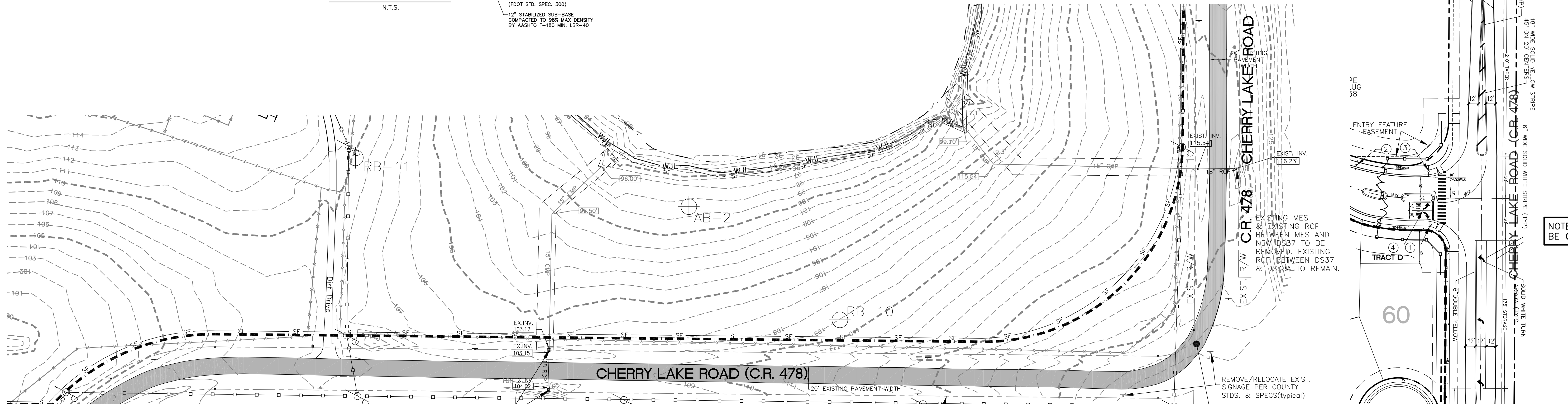


NOTE: SOD ALL DISTURBED AREAS IN LAKE COUNTY R/W

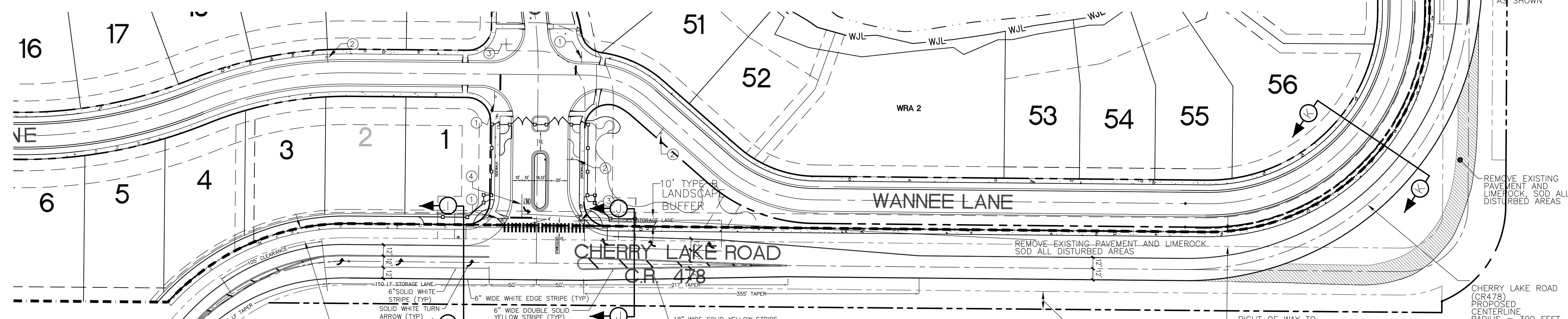
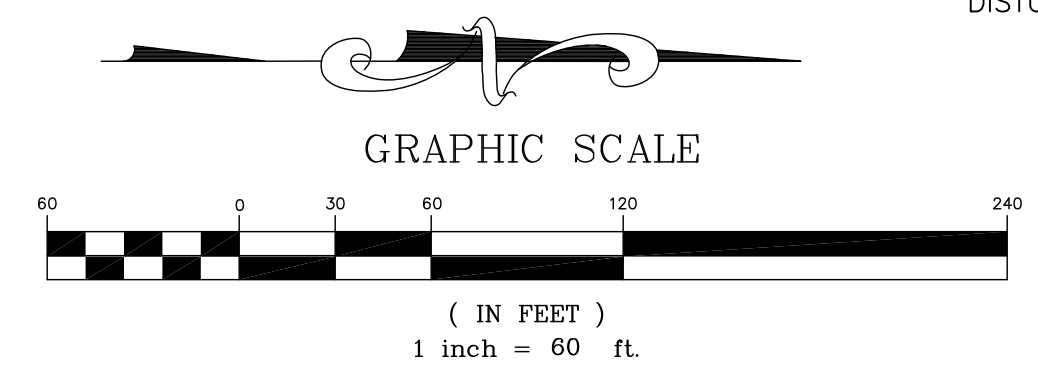
C.R. 478 TYPICAL ROAD CROSS-SECTION
N.T.S.

2.5" ASPHALTIC CONCRETE TYPE S-1 (FOOT STD. SPEC. 331)
8" BASE COMPACTED LIMEROCK 98% MAX DENSITY BY AASHTO T-180 PRIME COAT & SAND (FOOT STD. SPEC. 300)
12" STABILIZED SUB-BASE COMPACTED TO 98% MAX DENSITY BY AASHTO T-180 MIN. LBR-40

LEGEND			
	PROPERTY LINE		SLOPE INDICATOR
	RIGHT-OF-WAY LINE		DRAINAGE FLOW ARROW
	ROADWAY CENTERLINE		PROPOSED MITERED END SECTION W/ ENERGY DISSIPATOR
	BUILDING SETBACK LINE		PROPOSED CURB INLET
	EASEMENT LINE		STORM INLET
	EXISTING 5' CONTOUR LINE		STOP SIGN WITH 24" THERMOPLASTIC STOP BAR
	EXISTING 1' CONTOUR LINE		25 MPH SIGN
	STORM DRAINAGE PIPE		STREET NAME SIGN
	SILT FENCE		25LF-6" WHITE SOLID STRIP
	DRAINAGE DIVIDE LINE		
	WETLANDS JURISDICTION LINE		
	SHORELINE		
	PROPOSED STEM WALL		
	SODDED OVERFLOW WEIR		



EXISTING CONDITIONS
SCALE: 1" = 60'



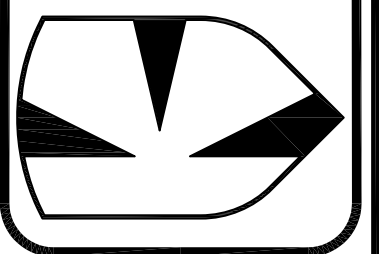
CR 478 GEOMETRY, SIGNAGE AND PAVEMENT MARKINGS
SCALE: 1" = 60'

NOTE: THIS SUBDIVISION IS INTENDED TO BE CONSTRUCTED AS A GATED COMMUNITY

CR 478 TURN LANE DESIGN SPEED = 45 MPH
CR 478 POSTED SPEED LIMIT = 45 MPH

PRELIMINARY PLAT - FOR REVIEW ONLY - NOT FOR CONSTRUCTION

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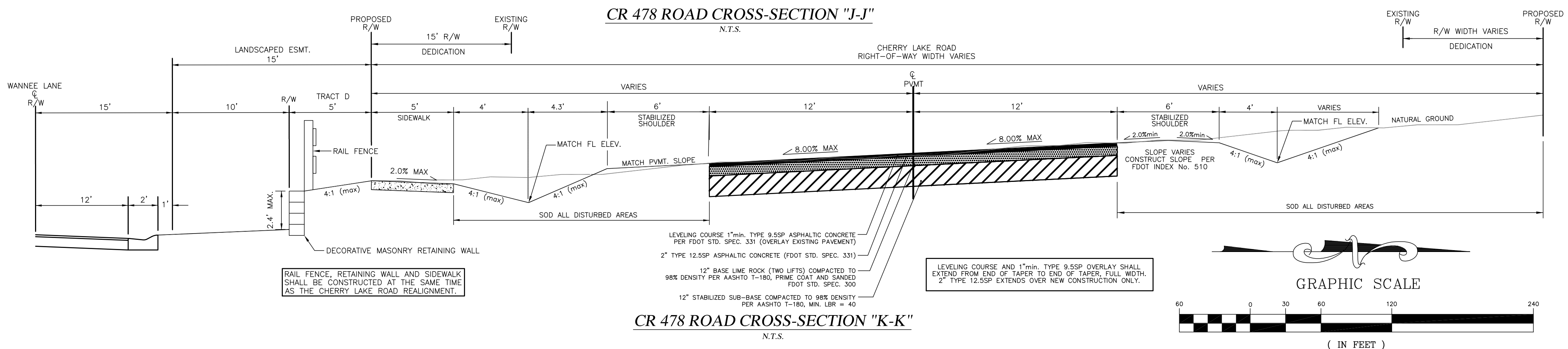
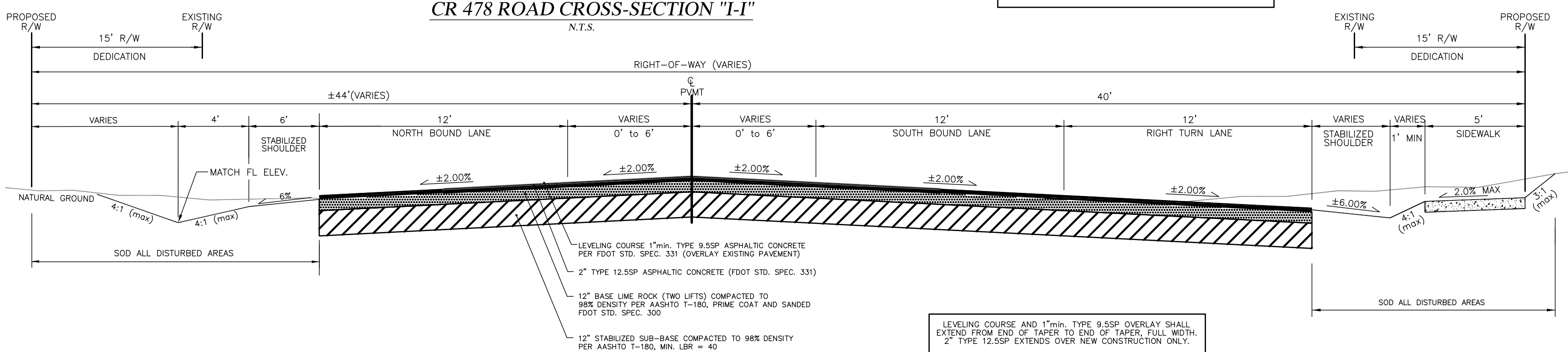
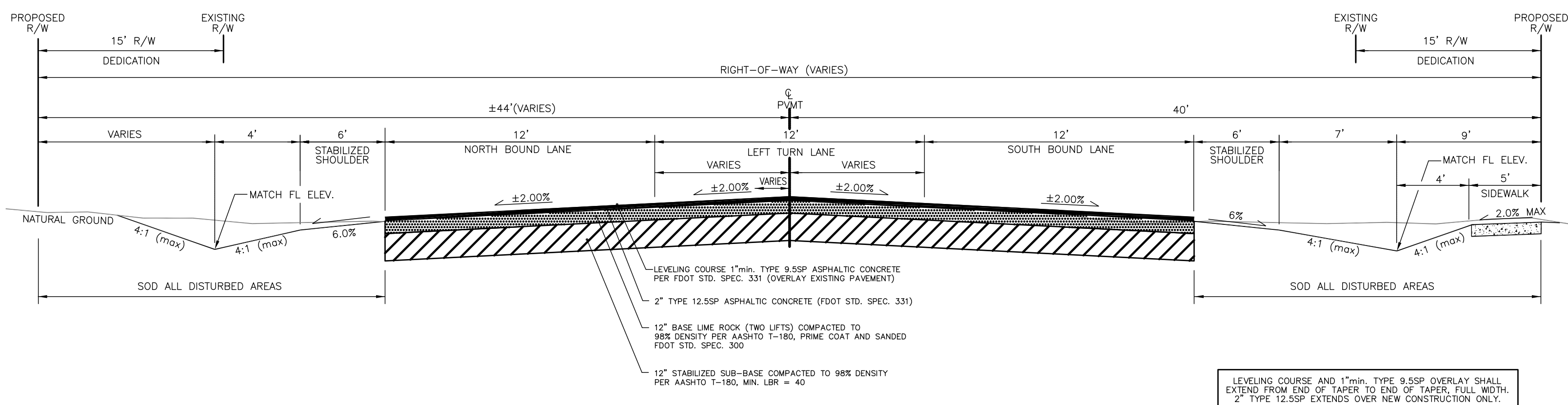
SPRINGS AT CHERRY LAKE

SECTION 3; TOWNSHIP 22S; RANGE 25E, CITY OF GROVELAND, FLORIDA
OWNER/DEVELOPER: L&D LLC, ET AL
ADDRESS: P.O. BOX 97, BELL, FL 32619 PHONE: (352) 463-2942

DATE: NOVEMBER 2014
DRAWN BY: TLK
APPROVED BY: TLK
SCALE: NOTED
REVISIONS:

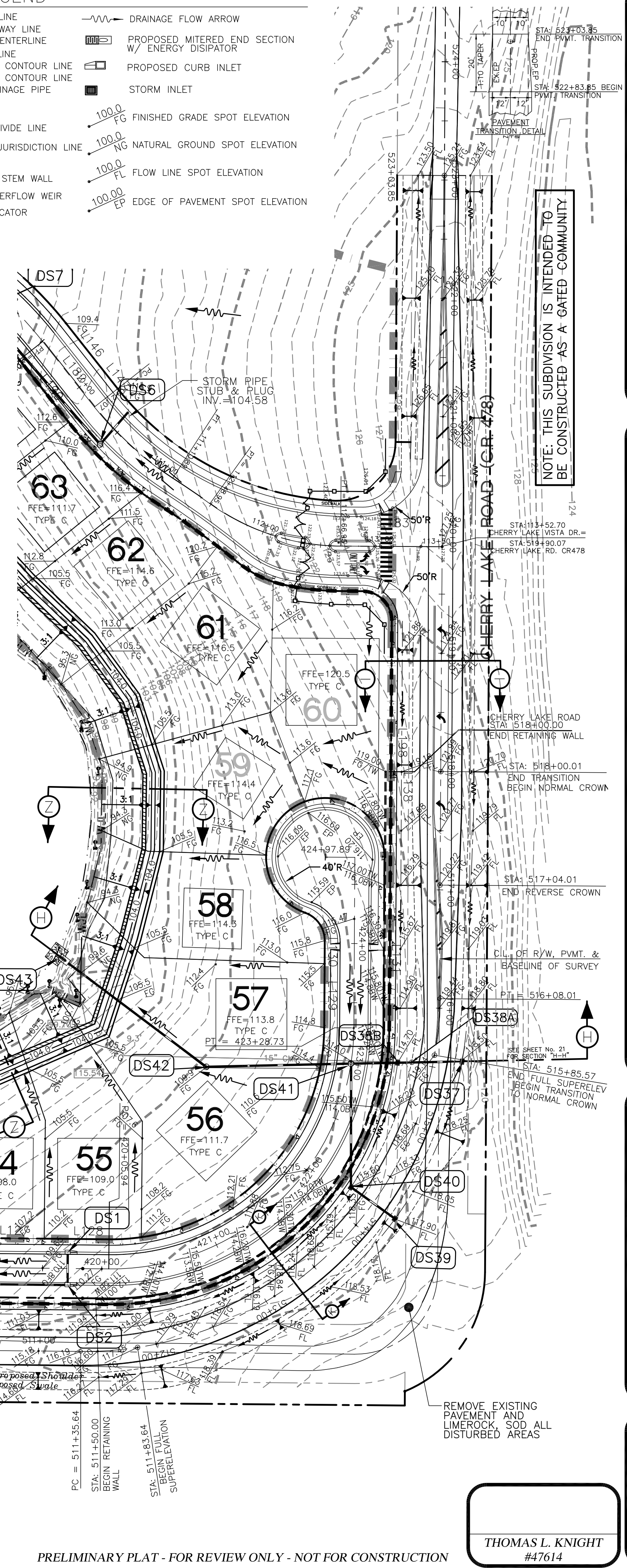
PROJECT NO. K06-11
C.R. 478 ROADWAY IMPROVEMENTS 1
SHEET: 8 OF 12

THOMAS L. KNIGHT
#47614



LEGEND

---	PROPERTY LINE	---	DRAINAGE FLOW ARROW
---	RIGHT-OF-WAY LINE	---	PROPOSED MITERED END SECTION W/ ENERGY DISSIPATOR
---	ROADWAY CENTERLINE	---	PROPOSED CURB INLET
---	EASEMENT LINE	---	STORM INLET
---	EXISTING 5' CONTOUR LINE	---	FINISHED GRADE SPOT ELEVATION
---	EXISTING 1' CONTOUR LINE	---	NATURAL GROUND SPOT ELEVATION
---	STORM DRAINAGE PIPE	---	LOW LINE SPOT ELEVATION
---	SILT FENCE	---	EDGE OF PAVEMENT SPOT ELEVATION
---	DRAINAGE DIVIDE LINE	---	
---	WETLANDS JURISDICTION LINE	---	
---	SHORELINE	---	
---	PROPOSED STEM WALL	---	
---	SODDED OVERFLOW WEIR	---	
---	SLOPE INDICATOR	---	

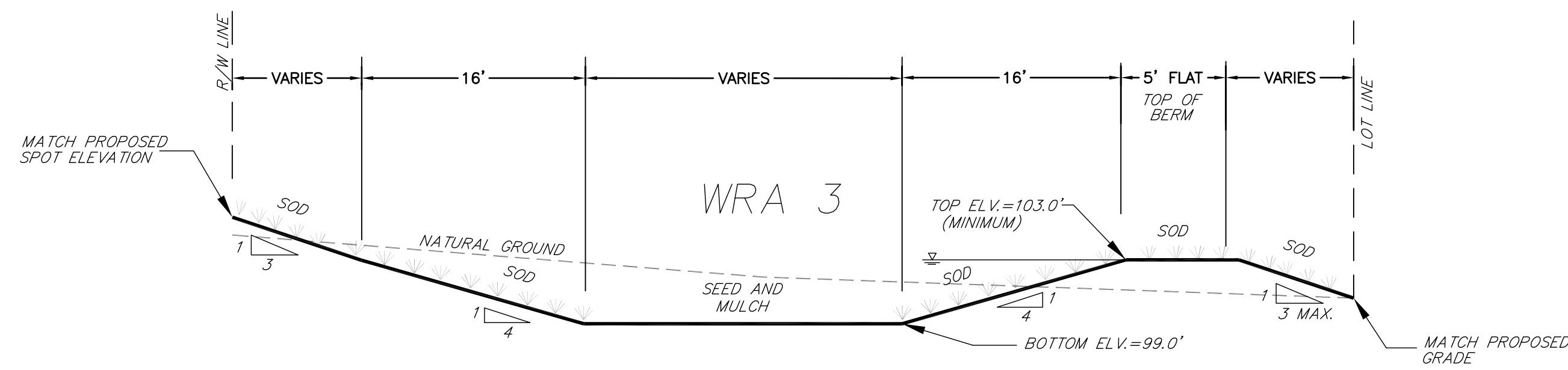


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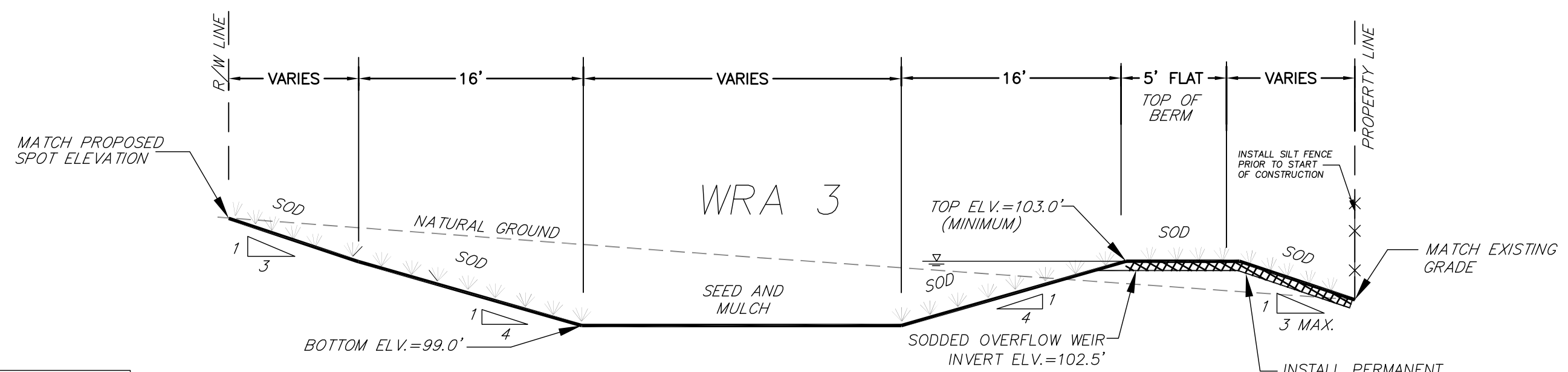
DATE: NOVEMBER 2014
DRAWN BY: TLK
APPROVED BY: TLK
SCALE: NOTED
REVISIONS:

PROJECT NO. K06-11
C.R. 478 ROADWAY IMPROVEMENTS 2
SHEET: 9 OF 12



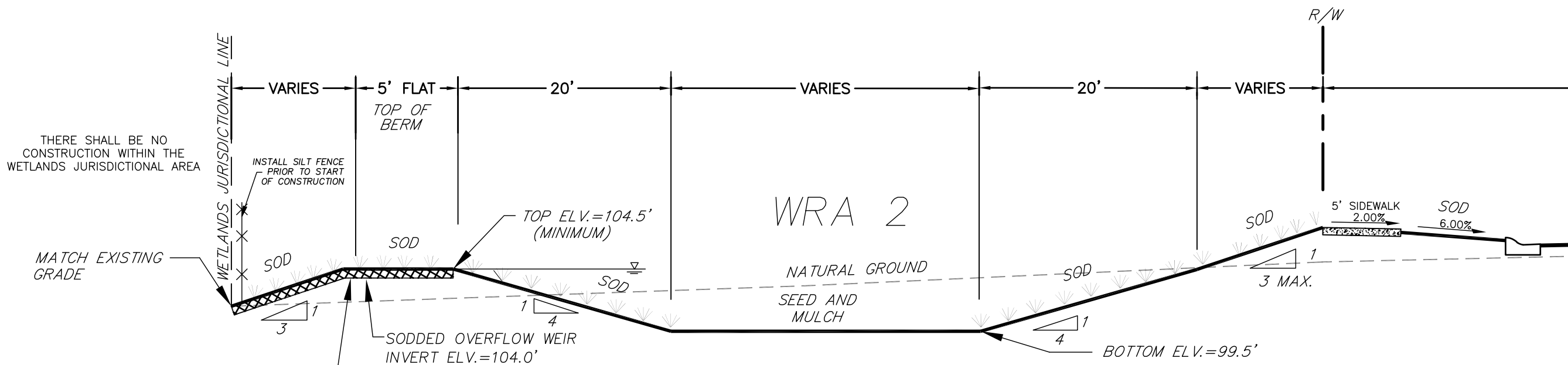
CROSS SECTION A-A
NTS

ALL SOD TO BE NON-MUCK GROWN



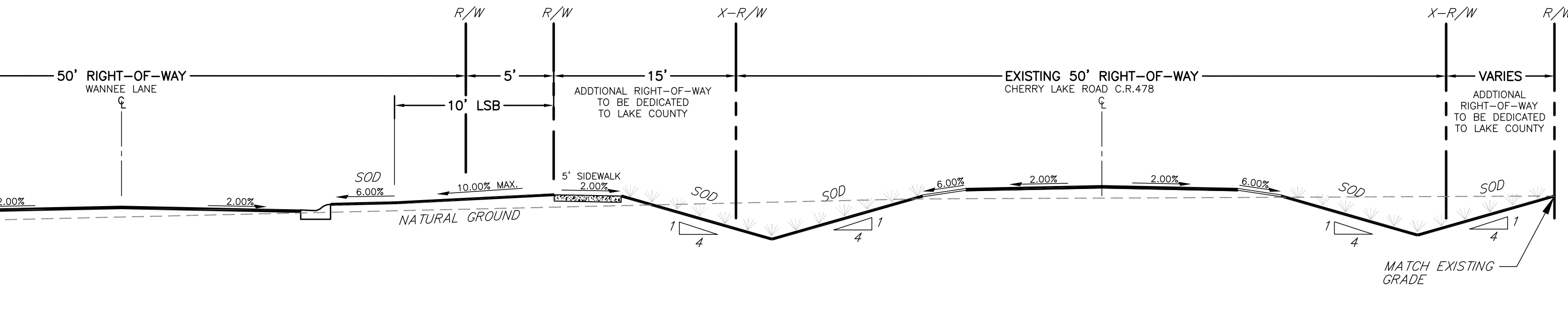
CROSS SECTION B-B
NTS

INSTALL PERMANENT TURF REINFORCEMENT MAT NORTH AMERICAN GREEN P-550, OR APPROVED EQUAL ALONG THE ENTIRE LENGTH AND DOWNSTREAM SLOPE OF THE OVERFLOW WEIR

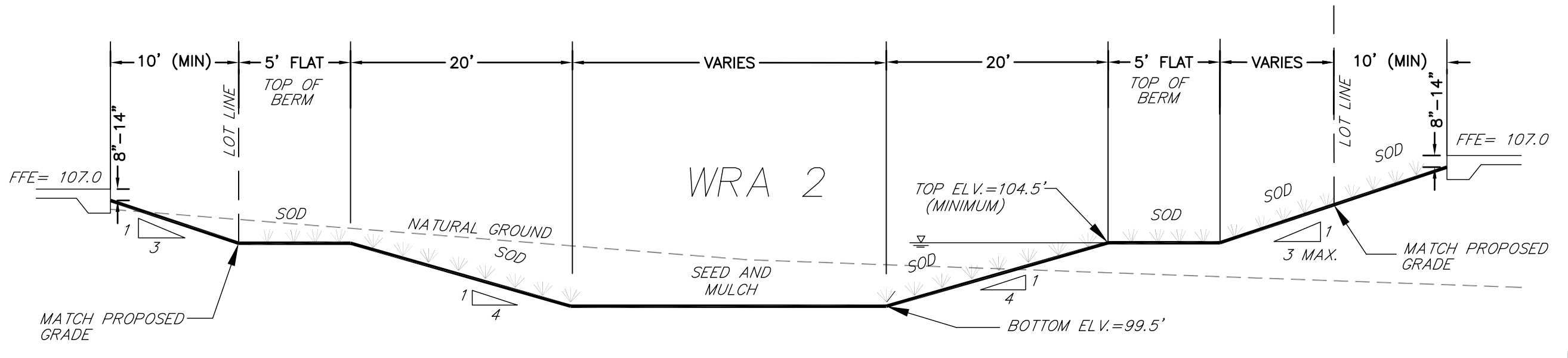


CROSS SECTION C-C
NTS

INSTALL PERMANENT TURF REINFORCEMENT MAT NORTH AMERICAN GREEN P-550, OR APPROVED EQUAL ALONG THE ENTIRE LENGTH AND DOWNSTREAM SLOPE OF THE OVERFLOW WEIR

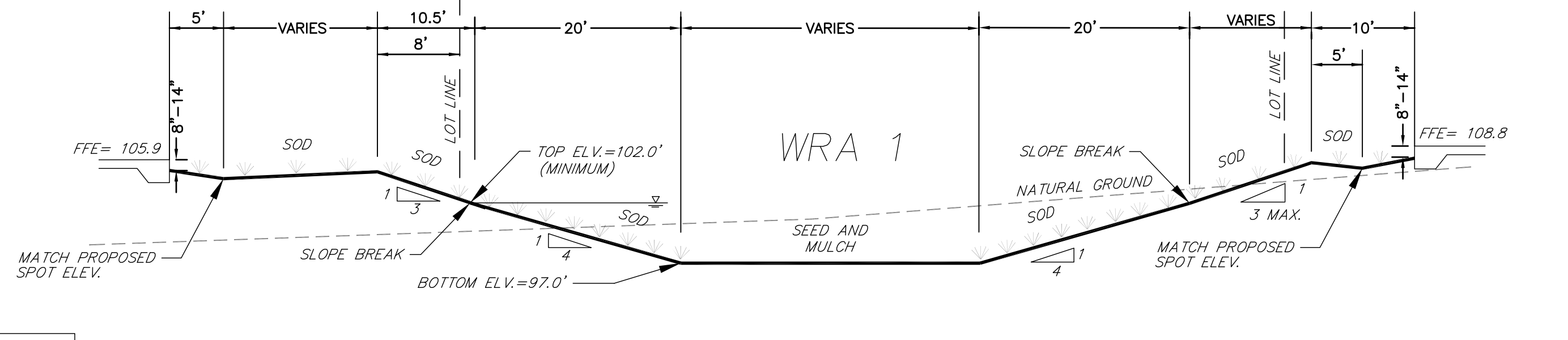


CROSS SECTION C-C
NTS

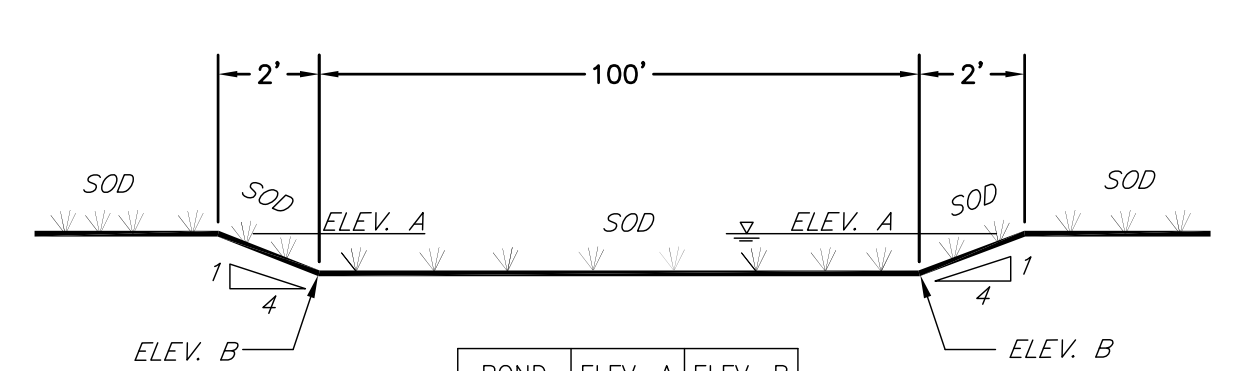


CROSS SECTION D-D
NTS

ALL SOD TO BE NON-MUCK GROWN

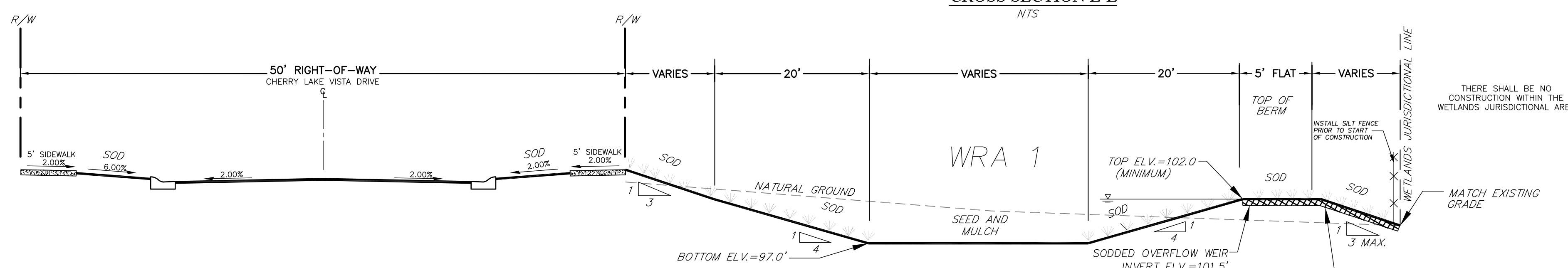


CROSS SECTION E-E
NTS



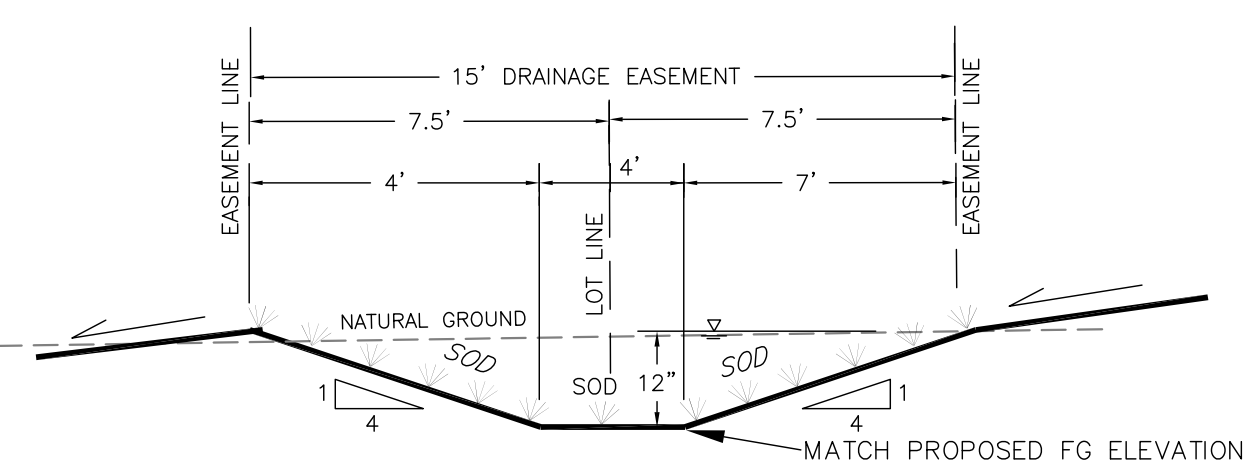
OVERFLOW WEIR LONGITUDINAL SECTION
NTS

POND	ELEV. A	ELEV. B
WRA 1	102.0	101.5
WRA 2	104.5	104.0
WRA 3	103.0	102.5



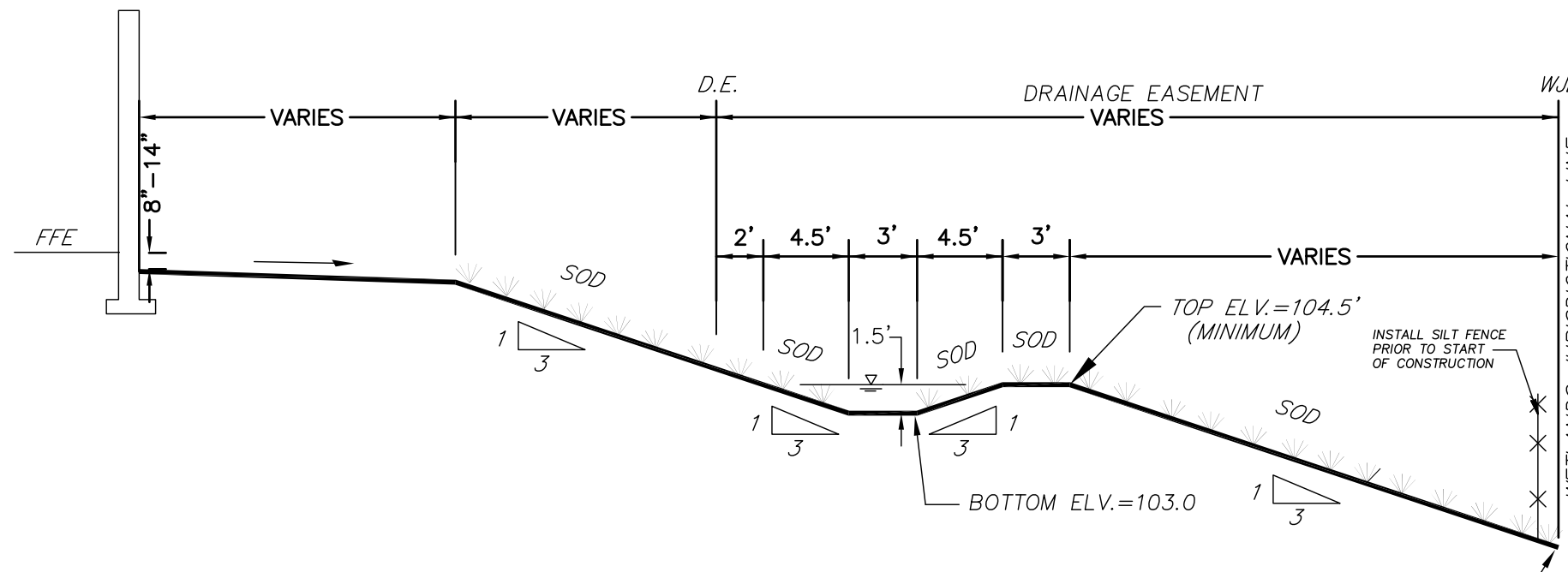
CROSS SECTION F-F
NTS

INSTALL PERMANENT TURF REINFORCEMENT MAT NORTH AMERICAN GREEN P-550, OR APPROVED EQUAL ALONG THE ENTIRE LENGTH AND DOWNSTREAM SLOPE OF THE OVERFLOW WEIR



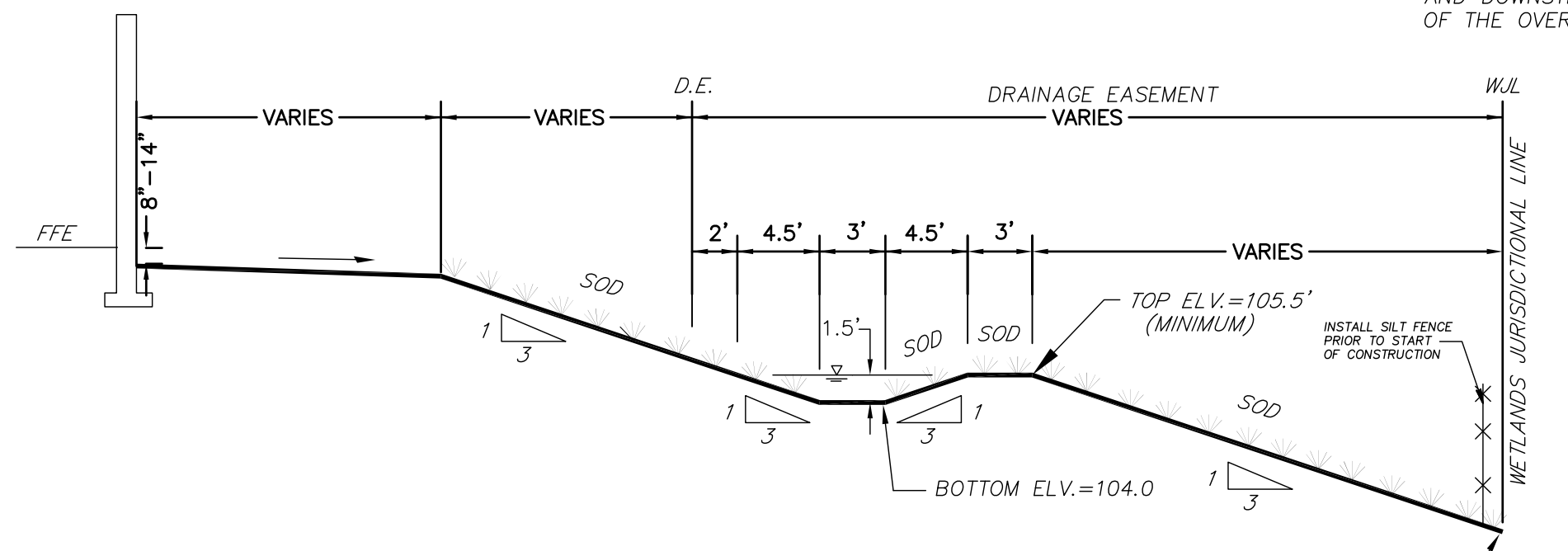
SECTION X-X
N.T.S.

WHERE SWALE SLOPES ARE GREATER THAN 1% SOD ENTIRE SWALE, OTHERWISE SEED AND MULCH.



CROSS SECTION Y-Y
NTS

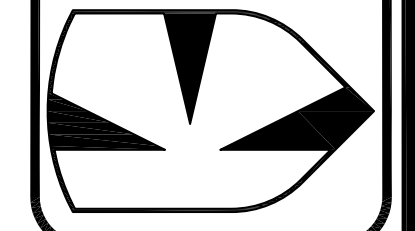
ALL SOD TO BE NON-MUCK GROWN



CROSS SECTION Z-Z
NTS

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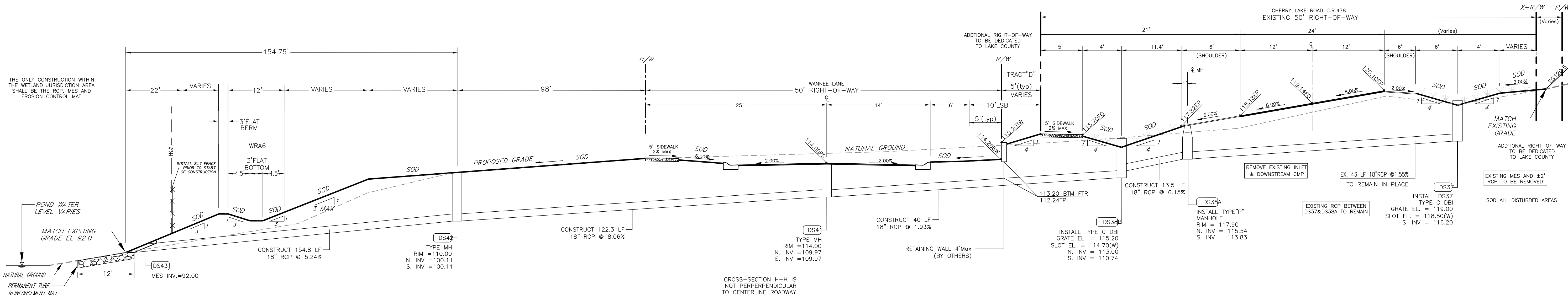


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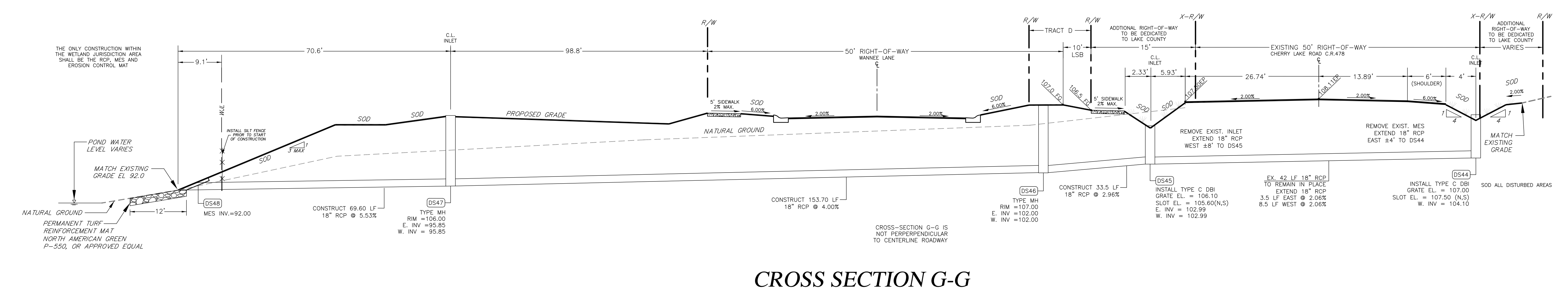
DATE: NOVEMBER 2014
DRAWN BY: TLK
APPROVED BY: TLK
SCALE: NONE
REVISIONS:

PROJECT NO. K06-11
TYPICAL CROSS-SECTIONS
1

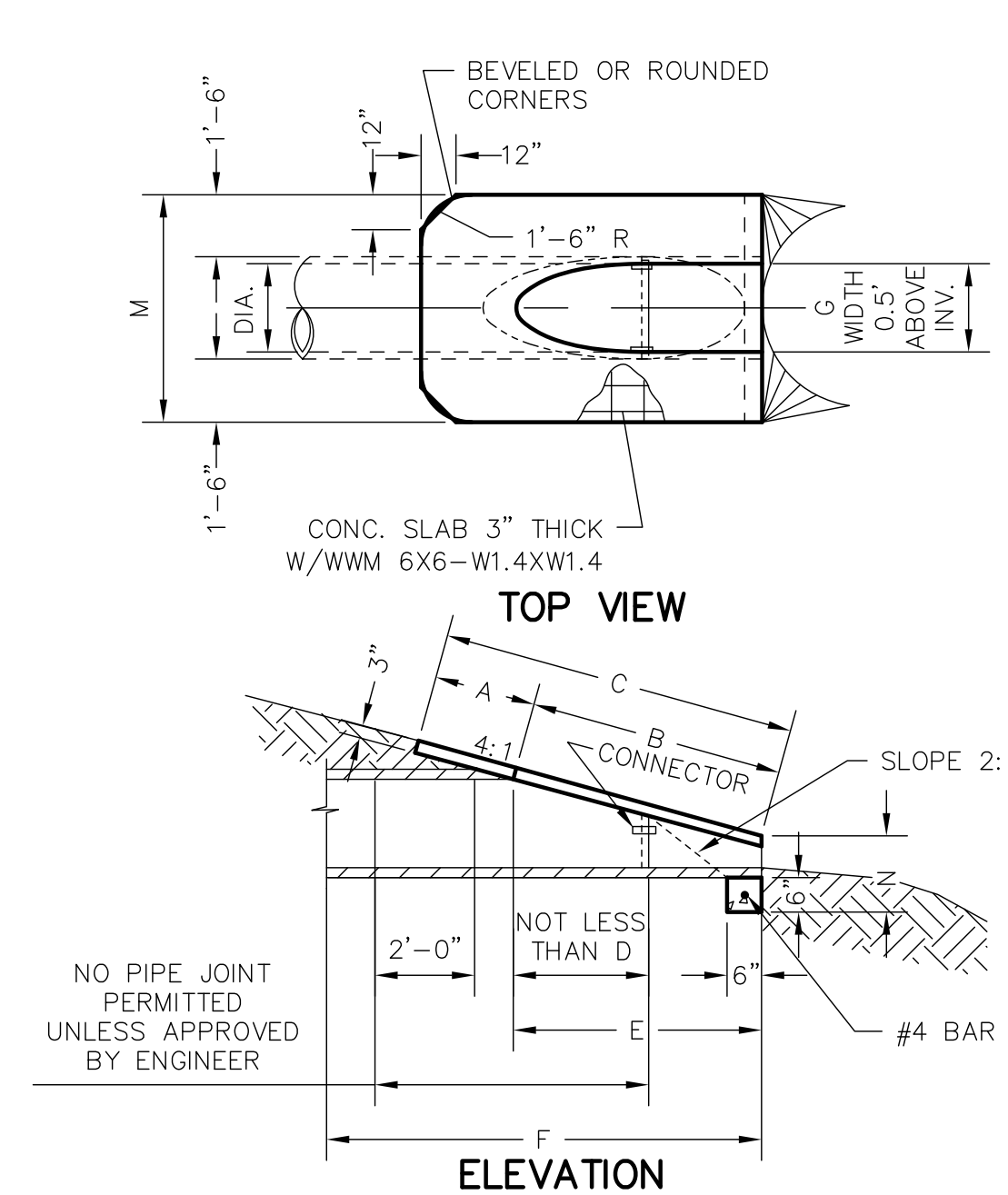
SHEET: 10 OF 12



CROSS SECTION H-H
NTS

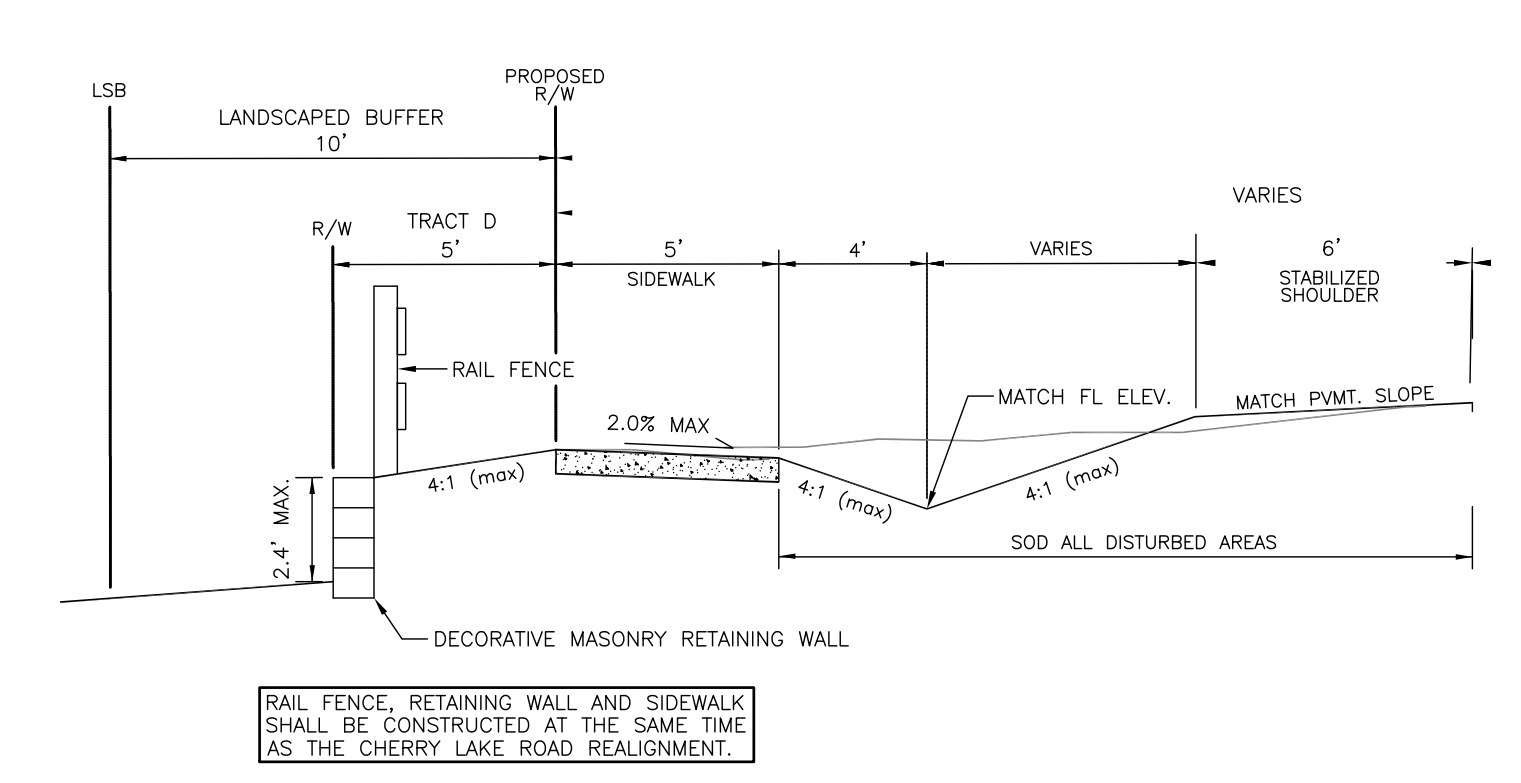


CROSS SECTION G-G
NTS



REF. F.D.O.T. INDEX No. 272, INCLUDING VARIATIONS FOR MULTIPLE PIPES & ELLIPTICAL PIPES.

DIA.	A	B	C	E	F	G	M	N
18"	1.97'	2.74'	4.71'	2.56'	6.00'	1.41'	4.92'	1.21'
24"	2.06'	3.85'	5.91'	3.56'	7.00'	1.73'	5.50'	1.25'
30"	2.15'	4.95'	7.10'	4.56'	8.00'	2.00'	6.08'	1.29'
36"	2.25'	6.08'	8.33'	5.56'	9.00'	2.24'	6.67'	1.33'
42"	2.34'	7.21'	9.55'	6.56'	10.00'	2.45'	7.25'	1.38'



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REVISIONS:

PROJECT NO. K06-11
TYPICAL CROSS-SECTIONS 2
SHEET: 11 OF 12

