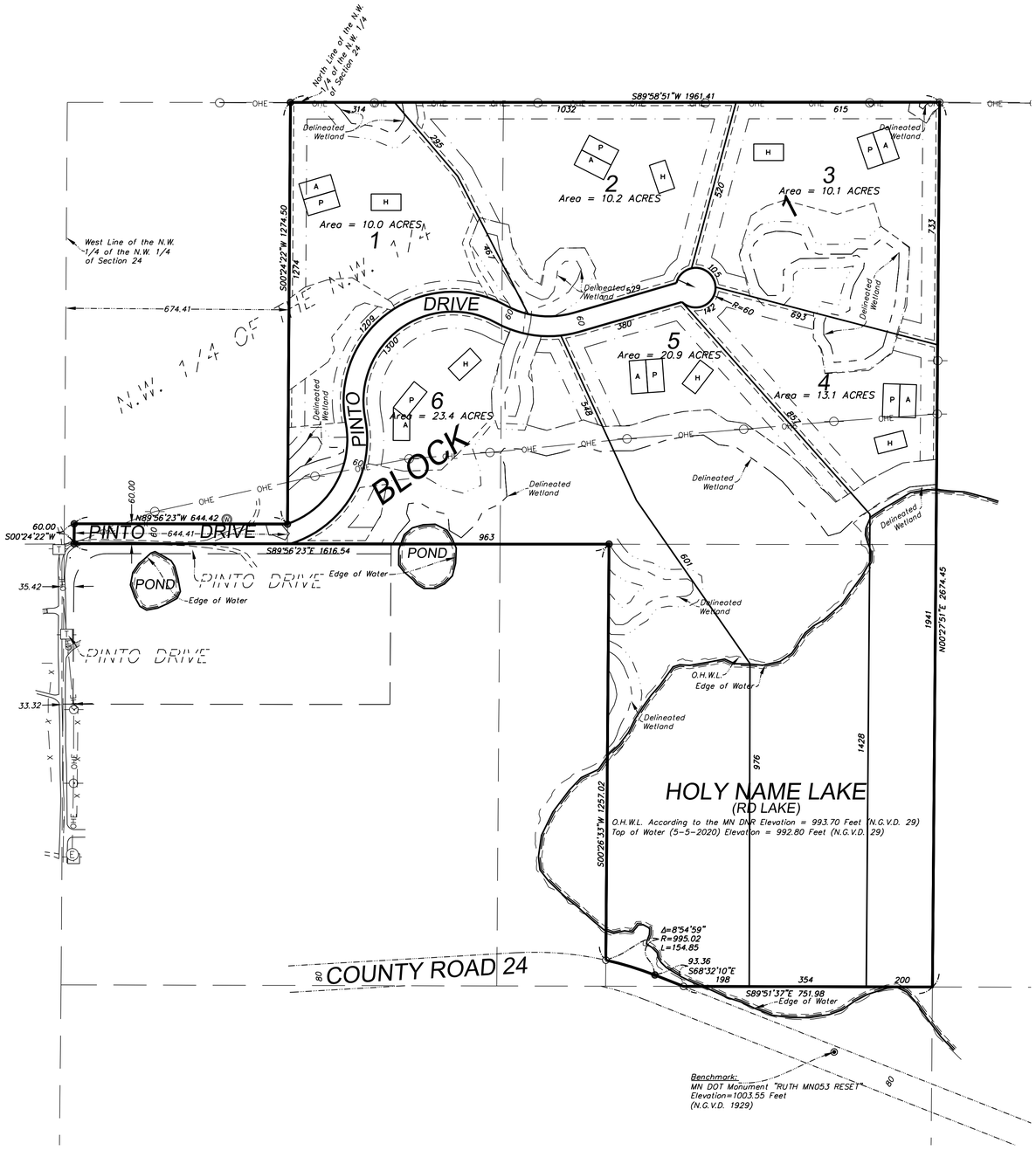
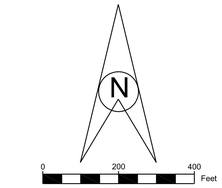




LEGEND

- 988 — denotes Existing Contour
- 988.00 × denotes Existing Spot Elevation
- 1010 — denotes Proposed Contour
- 1010.0 × denotes Proposed Spot Elevation
- denotes Proposed Drainage
- E denotes Existing Electrical Meter
- T denotes Existing Telephone Pedestal
- denotes Existing Power Pole
- denotes Existing Deciduous Tree
- denotes Existing Coniferous Tree
- OHE denotes Existing Overhead Electric Line
- denotes Existing Culvert
- denotes Proposed Drainage and Utility Easement
- denotes Building Setback Line
  - Front = 50'
  - Side = 50'
  - Rear = 50'

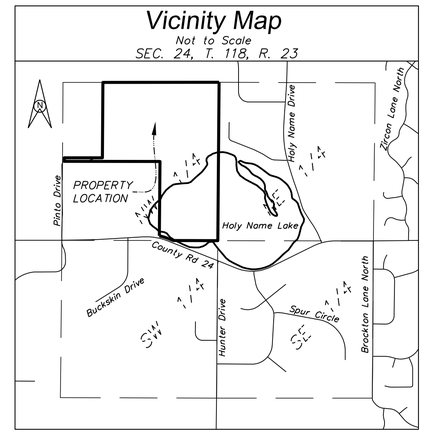
Wetland Delineated by Kjolhaug Environmental Services Company

denotes 30' Wetland Buffer

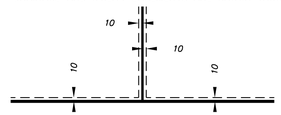
P denotes Possible Primary Septic Area

A denotes Possible Alternate Septic Area

H denotes Possible House Pad Location



DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:



BEING 15 FEET IN WIDTH, UNLESS OTHERWISE INDICATED, AND ADJOINING RIGHT-OF-WAY LINES, AND BEING 10 FEET IN WIDTH, UNLESS OTHERWISE INDICATED, AND ADJOINING LOT LINES, AS SHOWN ON THE PLAT.

SHEET INDEX

SHEET NO.	DESCRIPTION
1	PRELIMINARY PLAN
2	PRELIMINARY PLAN DETAIL – WEST
3	PRELIMINARY PLAN DETAIL – EAST
4	PRELIMINARY TREE PRESERVATION PLAN
5	PRELIMINARY GRADING PLAN – WEST
6	PRELIMINARY GRADING PLAN – EAST
7	PRELIMINARY STREET & STORM SEWER 0+00 TO 13+00
8	PRELIMINARY STREET & STORM SEWER 13+00 TO 26+00
9	PRELIMINARY STREET IMPROVEMENT PLAN
10	PRELIMINARY SWPPP NARRATIVE
11	PRELIMINARY SWPPP – WEST
12	PRELIMINARY SWPPP – EAST
13	PRELIMINARY SWPPP – PINTO DRIVE

PROPERTY DESCRIPTION

That part of the Northwest Quarter of the Northwest Quarter of Section 24, Township 118, Range 23, Hennepin County, Minnesota, lying East of the West 674.41 feet thereof.

AND

The South 60.00 feet of the East 644.41 feet of the West 674.41 feet of the Northwest Quarter of the Northwest Quarter of Section 24, Township 118, Range 23, Hennepin County, Minnesota.

AND

The East 5/16ths of the South Half of the Northwest Quarter of Section 24, Township 118, Range 23, Hennepin County, Minnesota, except road.

AND

The Northeast Quarter of the Northwest Quarter of Section 24, Township 118, Range 23, Hennepin County, Minnesota.

Lot 1		Lot 2		Lot 3		Lot 4		Lot 5		Lot 6	
Soils	Area (S.F.)	Soils	Area (S.F.)	Soils	Area (S.F.)	Soils	Area (S.F.)	Soils	Area (S.F.)	Soils	Area (S.F.)
L22C2	87889.9	L44A	6130.6	L60B	136353.5	L44A	76011.2	L22C2	36176.2	L22C2	300.5
L37B	14414.4	L22D2	172804.7	L47A	14132.1	L60B	143212.6	L44A	718.4	L37B	61091.3
L22D2	136055.4	L60B	6151.5	L47B	76885.4	L40B	2849.8	L22D2	21124.6	L44A	32959.9
		L47A	35447.7	L45A	16099.1	L41C2	14711.1	L60B	168305.1	L22D2	122883.1
								L41C2	5739.7		
Total Area (S.F.)	238359.7	Total Area (S.F.)	220534.5	Total Area (S.F.)	243470.2	Total Area (S.F.)	236784.6	Total Area (S.F.)	232063.9	Total Area (S.F.)	217234.7
Total Area (Acres)	5.5	Total Area (Acres)	5.1	Total Area (Acres)	5.6	Total Area (Acres)	5.4	Total Area (Acres)	5.3	Total Area (Acres)	5.0

NOTE: BUILDABLE SOILS LISTED AS L22D2 WERE FOUND TO HAVE LESS THAN 12% SLOPE. THIS WOULD MAKE THEM A L22C2 SOIL TYPE

REV. NO.	DATE	BY	DESCRIPTION
1	9-25-20	S.O.S.	Soil Borings

DESIGNED P.E.O. DRAWN S.O.S.
CHECKED P.E.O.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Paul E. Otto
License # 40062 Date: 9-25-20

OTTO ASSOCIATES
Engineers & Land Surveyors, Inc.
www.ottoassociates.com
9 West Division Street
Buffalo, MN 55313
(763)682-4727
Fax: (763)682-3522

HOLY NAME LAKE ESTATES

KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY PLAT

PROJECT NO: 20-0385

SHEET NO. 1 OF 13 SHEETS

DATE: 9-11-20

LEGEND

denotes Existing Contour
denotes Existing Spot Elevation
denotes Electrical Meter
denotes Telephone Pedestal
denotes Soil Boring
denotes Power Pole
denotes Deciduous Tree
denotes Coniferous Tree
denotes Overhead Electric Line
denotes Existing Culvert
denotes Proposed Wetland Buffer Sign, Typ.

DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:

BEING 10 FEET IN WIDTH, UNLESS OTHERWISE INDICATED, AND ADJOINING RIGHT-OF-WAY LINES, AND BEING 10 FEET IN WIDTH, ALONG ALL LOT LINES, AS SHOWN ON THE PLAT, AND ADJOINING LOT LINES, AS SHOWN ON THE PLAT.

denotes Possible Primary Septic Area
denotes Possible Alternate Septic Area
denotes Possible House Pad Location
denotes 30' Wetland Buffer
denotes Buildable Soils

REV. NO.	DATE	BY	DESCRIPTION
1	9-25-20	S.O.S.	Soil Borings

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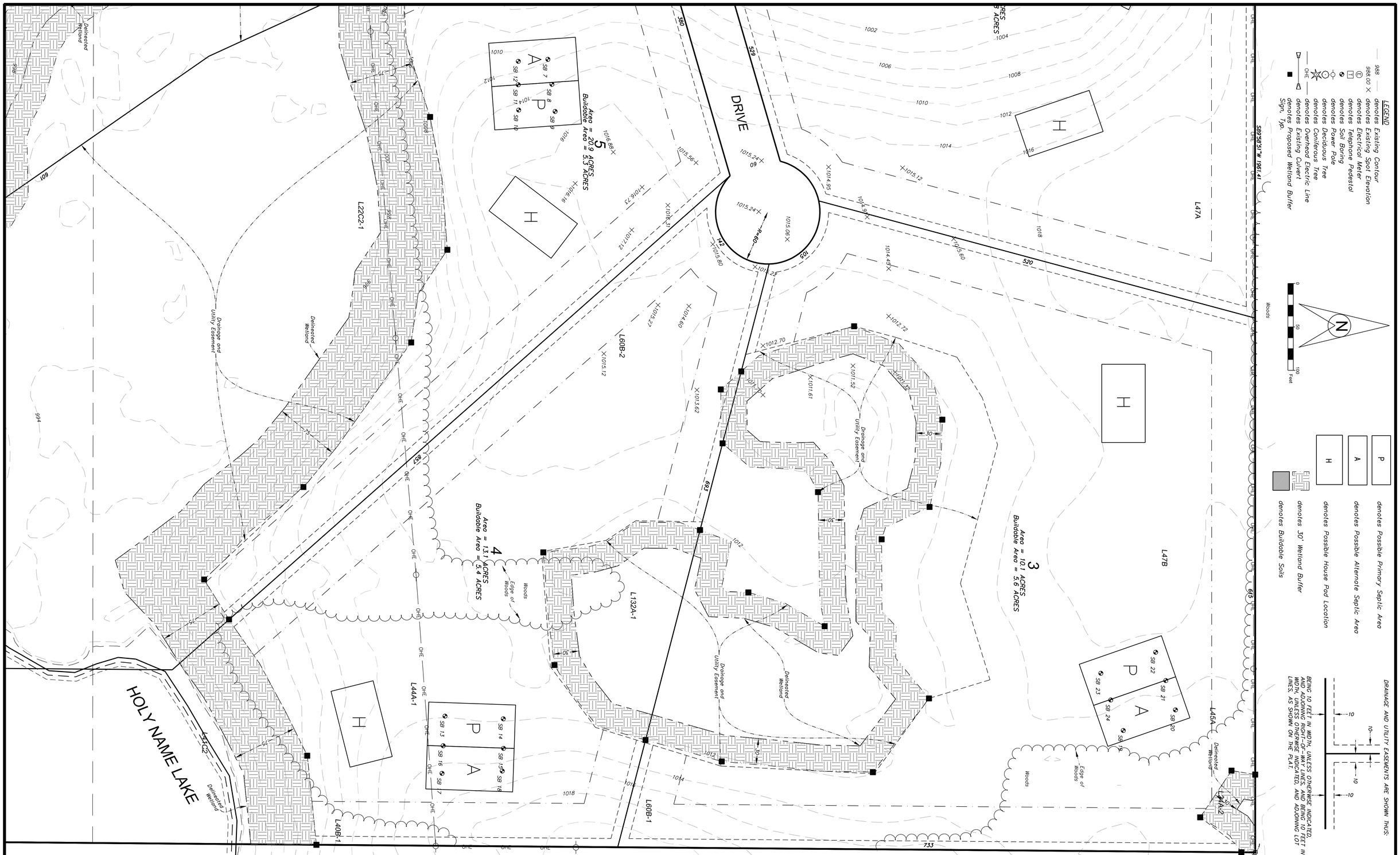
HOLY NAME LAKE ESTATES
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY PLAT
DETAIL WEST

SHEET NO. 2 OF 13 SHEETS

PROJECT NO: 20-0385
DATE: 9-11-20



REV. NO.	DATE	BY	DESCRIPTION
1	9-25-20	S.O.S.	Soil Borings

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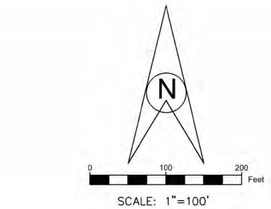
HOLY NAME LAKE ESTATES
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY PLAT
DETAIL EAST

SHEET NO. 3 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20



SCALE: 1"=100'

LEGEND

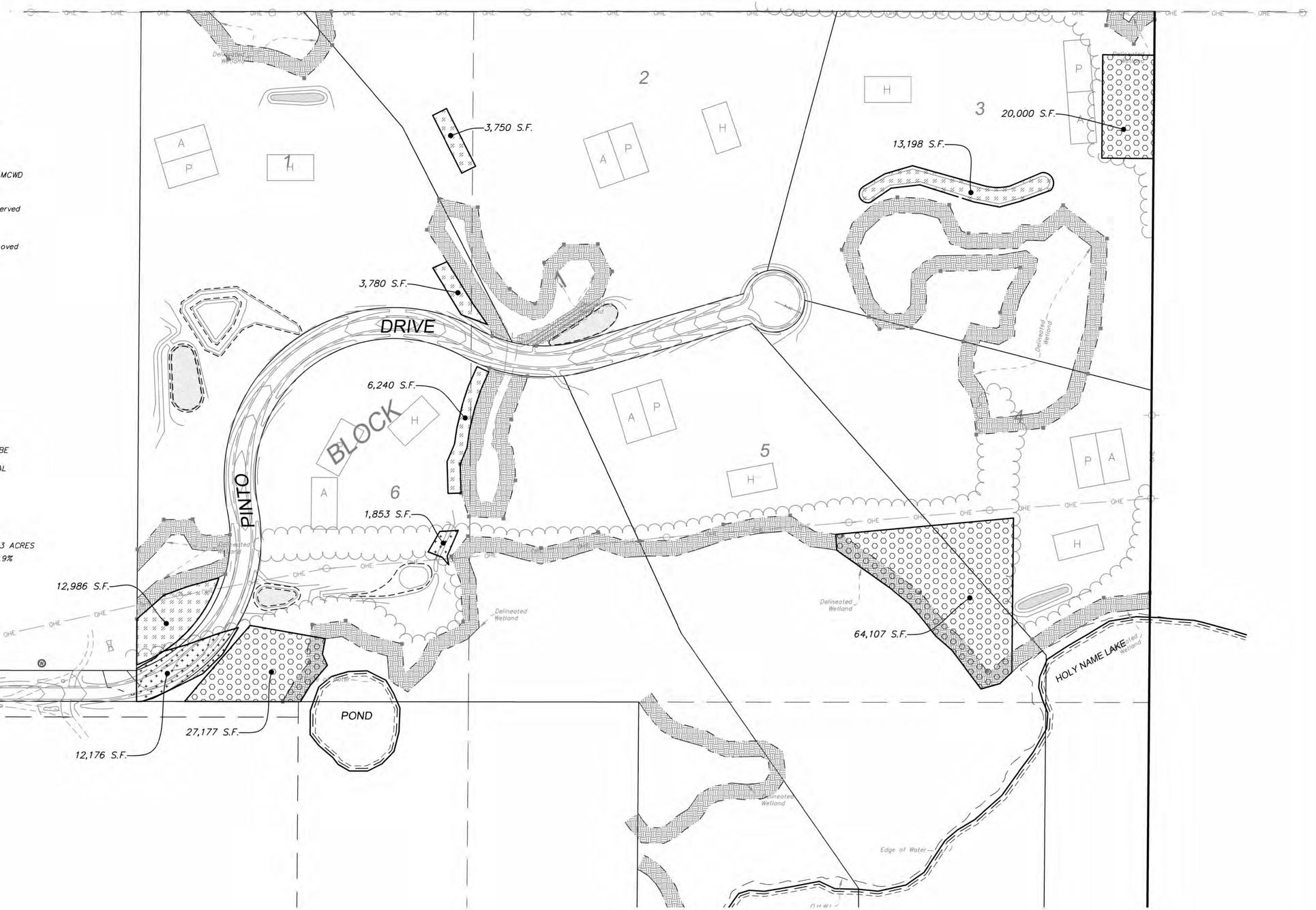
- (E) denotes Existing Electrical Meter
- (T) denotes Existing Telephone Pedestal
- denotes Existing Power Pole
- OHE denotes Existing Overhead Electric Line
- denotes Existing Culvert
- denotes Existing Edge of Woods
- denotes Pervious Enhancement Area per MCWD
- denotes Existing Tree Canopy to be Preserved in Conservation Easement per MCWD
- denotes Existing Tree Canopy to be Removed
- denotes 30' Wetland Buffer
- P denotes Possible Primary Septic Area
- A denotes Possible Alternate Septic Area
- H denotes Possible House Pad Location

NOTES:

1) ANY UNVEGETATED WETLAND BUFFER AREAS SHALL BE RESTORED WITH MNDOT 35-241
2) WETLANDS DELINEATED BY KJOLHAUG ENVIRONMENTAL SERVICES COMPANY.

TREE PRESERVATION

TOTAL AREA OF EXISTING TREE CANOPY = 10.5 ACRES
TOTAL AREA OF EXISTING TREE CANOPY REMOVED = 0.3 ACRES
PERCENTAGE OF EXISTING TREE CANOPY REMOVED = 2.9%



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HOLY NAME LAKE ESTATES

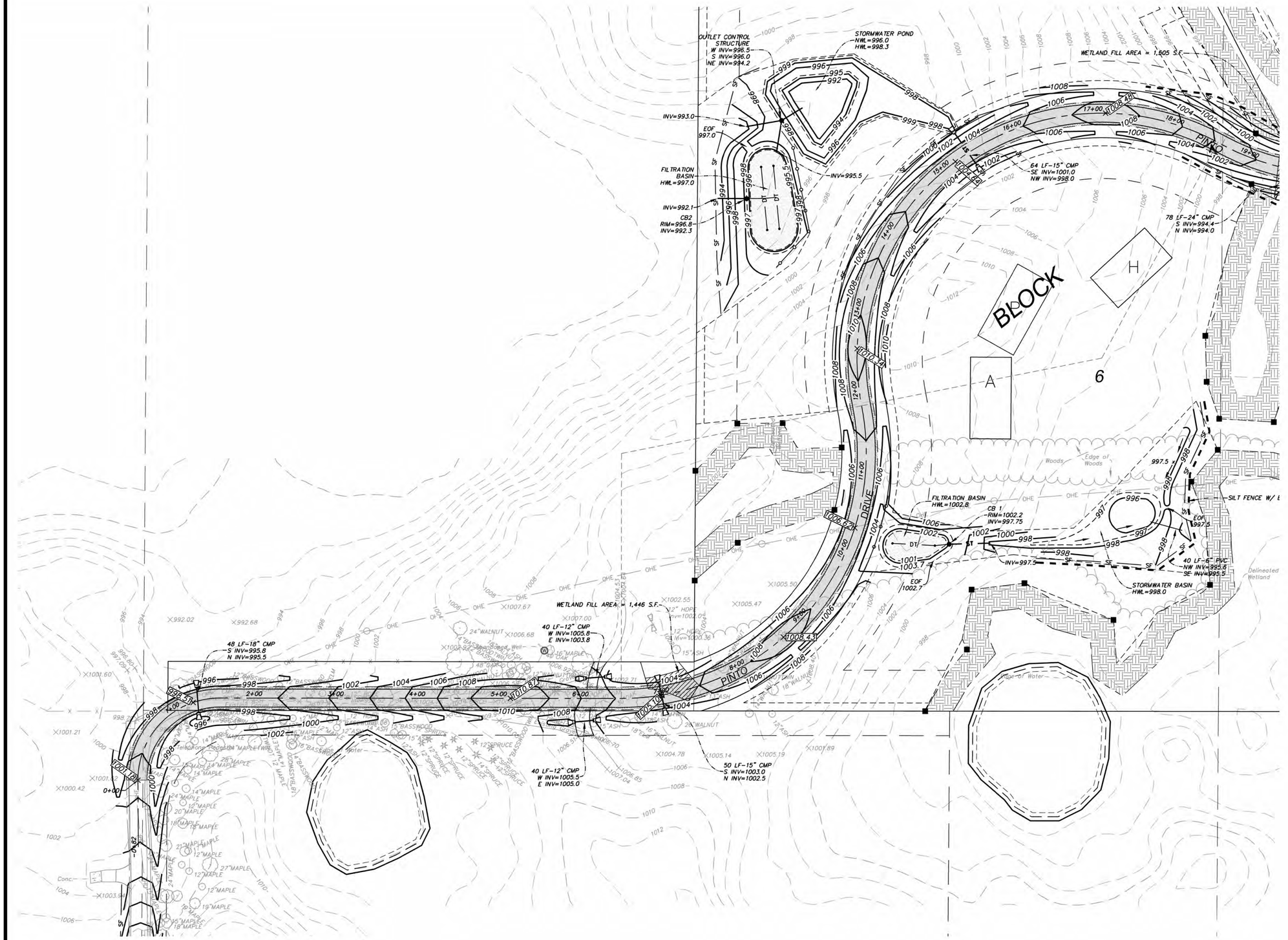
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY TREE PRESERVATION & PERVIOUS ENHANCEMENT PLAN

SHEET NO. 4 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20



N

0 60 120 Feet

SCALE: 1"=60'

LEGEND

- 988 — denotes Existing Contour
- 988.00 × denotes Existing Spot Elevation
- 1010 — denotes Proposed Contour
- 1010.0 × denotes Proposed Spot Elevation
- denotes Proposed Drainage
- (E) denotes Existing Electrical Meter
- denotes Existing Telephone Pedestal
- denotes Existing Power Pole
- denotes Existing Deciduous Tree
- denotes Existing Coniferous Tree
- OHE — denotes Existing Overhead Electric Line
- denotes Existing Culvert
- denotes Proposed Drainage and Utility Easement
- denotes Building Setback Line
  - Front = 50'
  - Side = 50'
  - Rear = 50'
- SF — denotes Pre-construction Silt Fence
- denotes Post-construction Silt Fence
- ST — denotes Proposed Storm Sewer Line
- denotes Proposed Bituminous
- denotes Proposed Gravel
- denotes 30' Wetland Buffer
- P denotes Possible Primary Septic Area
- A denotes Possible Alternate Septic Area
- H denotes Possible House Pad Location

NOTE:
HOME LOW OPENING ELEVATIONS SHALL BE 2' ABOVE HIGH WATER LEVELS OF ADJACENT WATER BODIES. THIS ELEVATION IS DEPENDENT ON HOME PLACEMENT WITHIN THE 10 ACRE LOTS.

REV. NO.	DATE	BY	DESCRIPTION

DESIGNED P.E.O. DRAWN T.J.B.
CHECKED P.E.O.

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HOLY NAME LAKE ESTATES

KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY GRADING PLAN (WEST)

SHEET NO. 5 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20

NOTE:
HOME LOW OPENING ELEVATIONS SHALL BE 2' ABOVE HIGH WATER LEVELS OF ADJACENT WATER BODIES. THIS ELEVATION IS DEPENDENT ON HOME PLACEMENT WITHIN THE 10 ACRE LOTS.

LEGEND

- 988 — denotes Existing Contour
- 988.00 × denotes Existing Spot Elevation
- 1010 — denotes Proposed Contour
- 1010.0 × denotes Proposed Spot Elevation
- denotes Proposed Drainage
- E denotes Existing Electrical Meter
- T denotes Existing Telephone Pedestal
- denotes Existing Power Pole
- denotes Existing Deciduous Tree
- denotes Existing Coniferous Tree
- OHE denotes Existing Overhead Electric Line
- denotes Existing Culvert
- denotes Proposed Drainage and Utility Easement
- denotes Building Setback Line
  Front = 50'
  Side = 50'
  Rear = 50'
- SF — denotes Pre-construction Silt Fence
- denotes Post-construction Silt Fence
- ST — denotes Proposed Storm Sewer Line
- denotes Proposed Bituminous
- denotes Proposed Gravel
- denotes 30' Wetland Buffer
- P denotes Possible Primary Septic Area
- A denotes Possible Alternate Septic Area
- H denotes Possible House Pad Location

N

0 60 120 Feet

SCALE: 1"=60'

FUTURE FILTRATION BASIN (BY HOMEOWNER) HWL=989.8

STORMWATER POND NWL=996.0 HWL=998.3

OUTLET CONTROL STRUCTURE W INV=996.5 S INV=996.0 NE INV=994.2

INV=993.0

EOF 997.0

FILTRATION BASIN HWL=997.0

INV=992.1

CB2 RIM=996.8 INV=992.3

INV=995.5

WETLAND FILL AREA = 1,605 S.F.

64 LF-15" CMP SE INV=1001.0 NW INV=998.0

78 LF-24" CMP S INV=994.4 N INV=994.0

CB3 RIM=998.8 INV=994.13

INV=994.0

EOF 999.0

FILTRATION BASIN HWL=999.3

56 LF-18" CMP S INV=999.0 NW INV=997.7

PINTO DRIVE

BLOCK

STORMWATER BASIN/ENHANCED PERVIOUS HWL=1013.4

EOF 1013.0

20 LF-8" PVC N INV=1011.5 S INV=1011.3

HWL=1011.7

Delineated Wetland

Woods Edge of Woods

1 2 3 4 5 6

REV. NO.	DATE	BY	DESCRIPTION

DESIGNED P.E.O. DRAWN T.J.B.
CHECKED P.E.O.

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HOLY NAME LAKE ESTATES

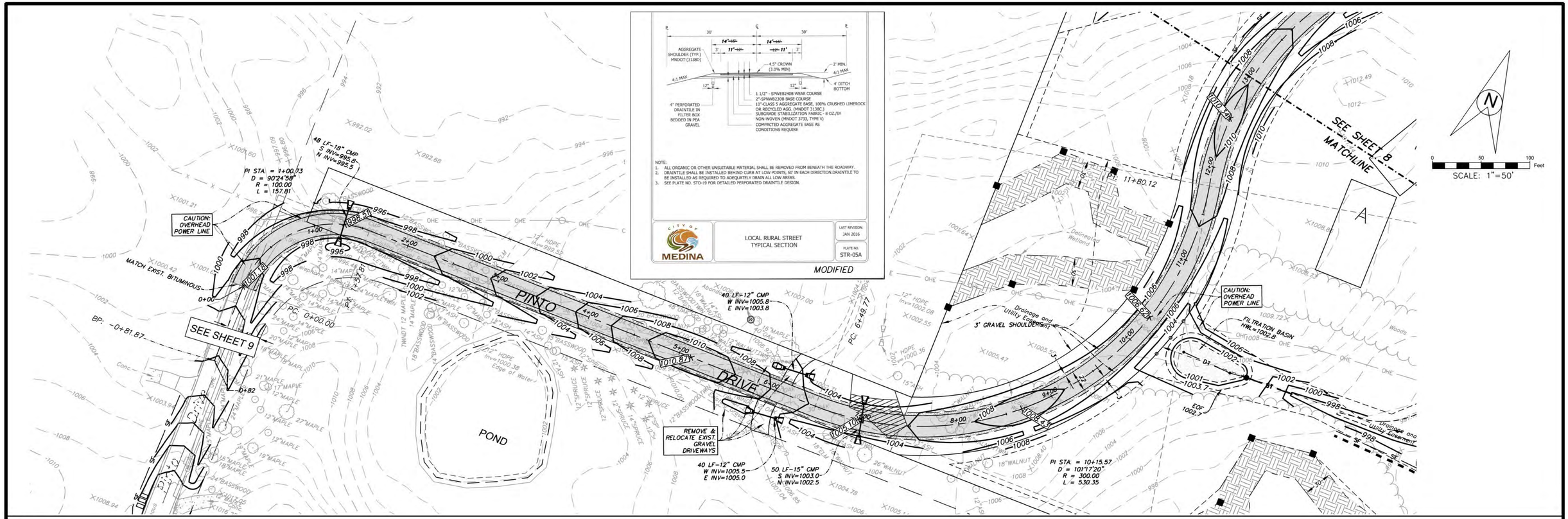
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY GRADING PLAN (EAST)

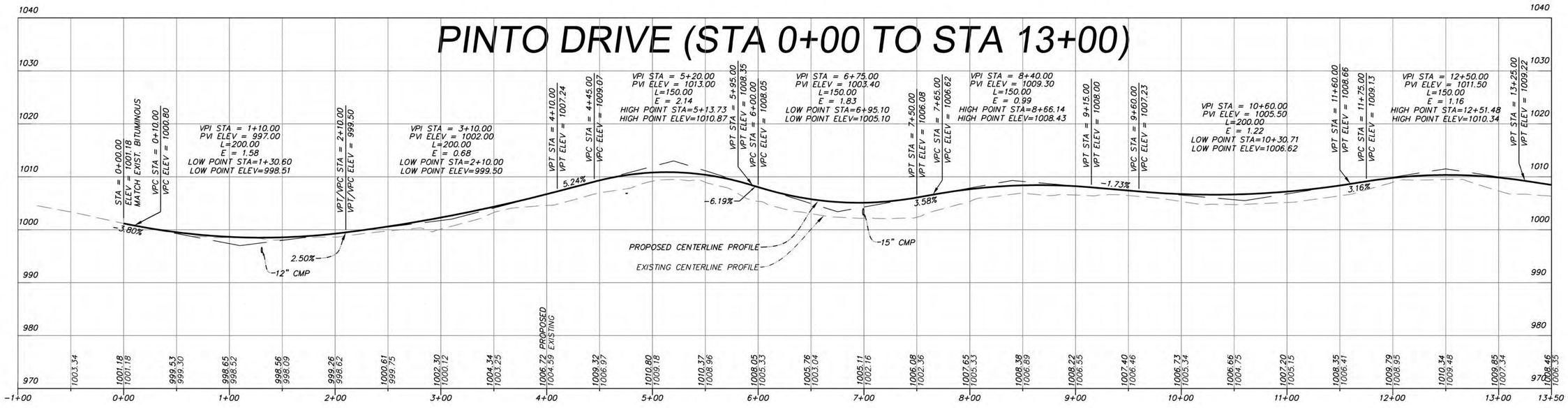
SHEET NO. 6 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20



SCALES:
1"=50' HOR
1"=10' VER



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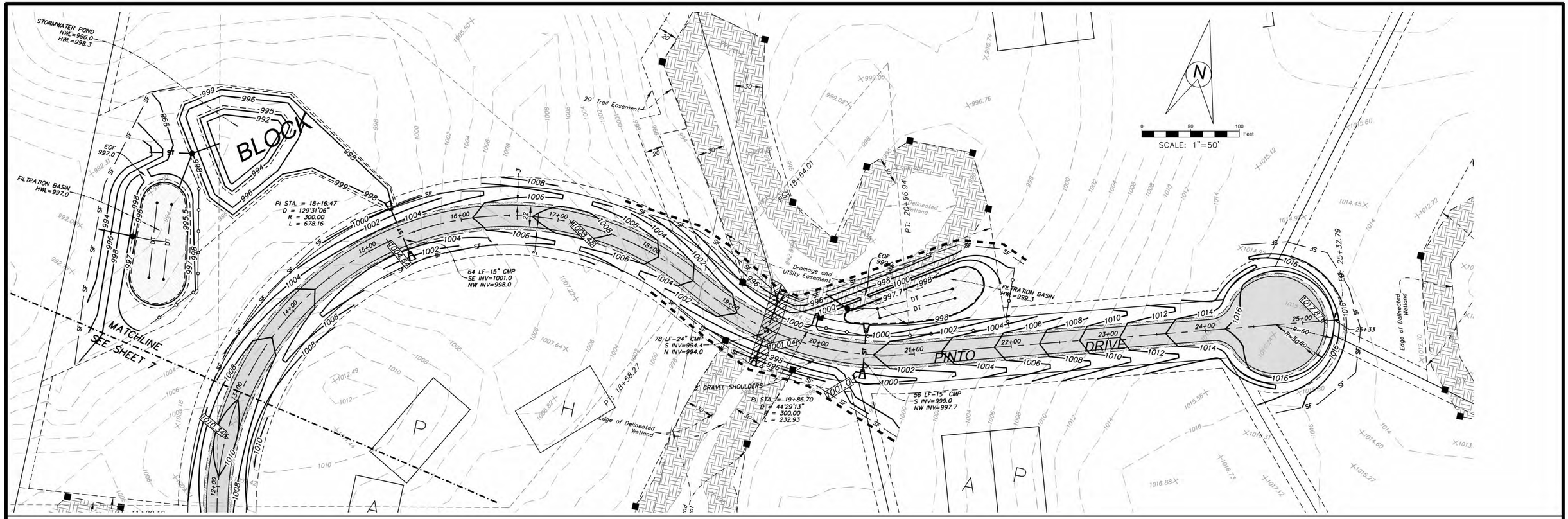
HOLY NAME LAKE ESTATES
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY STREET & STORM SEWER PLAN PINTO DRIVE (STA 0+00 TO STA 13+00)

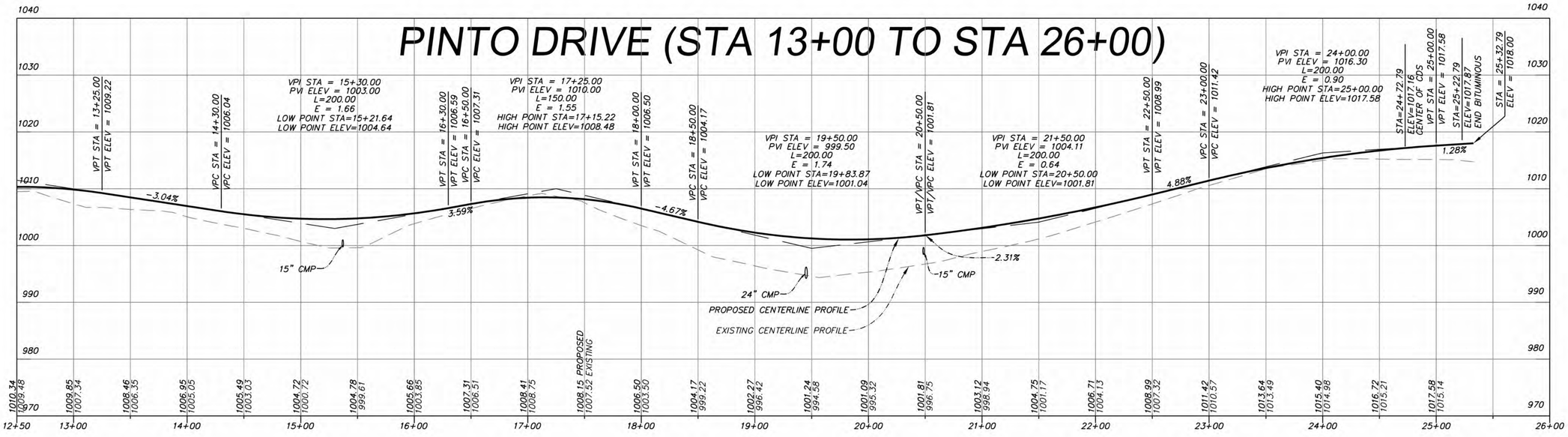
PROJECT NO: 20-0385

SHEET NO. 7 OF 13 SHEETS

DATE: 9-11-20



SCALES:
1"=50' HOR
1"=10' VER



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HOLY NAME LAKE ESTATES
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY STREET & STORM SEWER PLAN PINTO DRIVE (STA 13+00 TO STA 26+00)

PROJECT NO: 20-0385

SHEET NO. 8 OF 13 SHEETS

DATE: 9-11-20

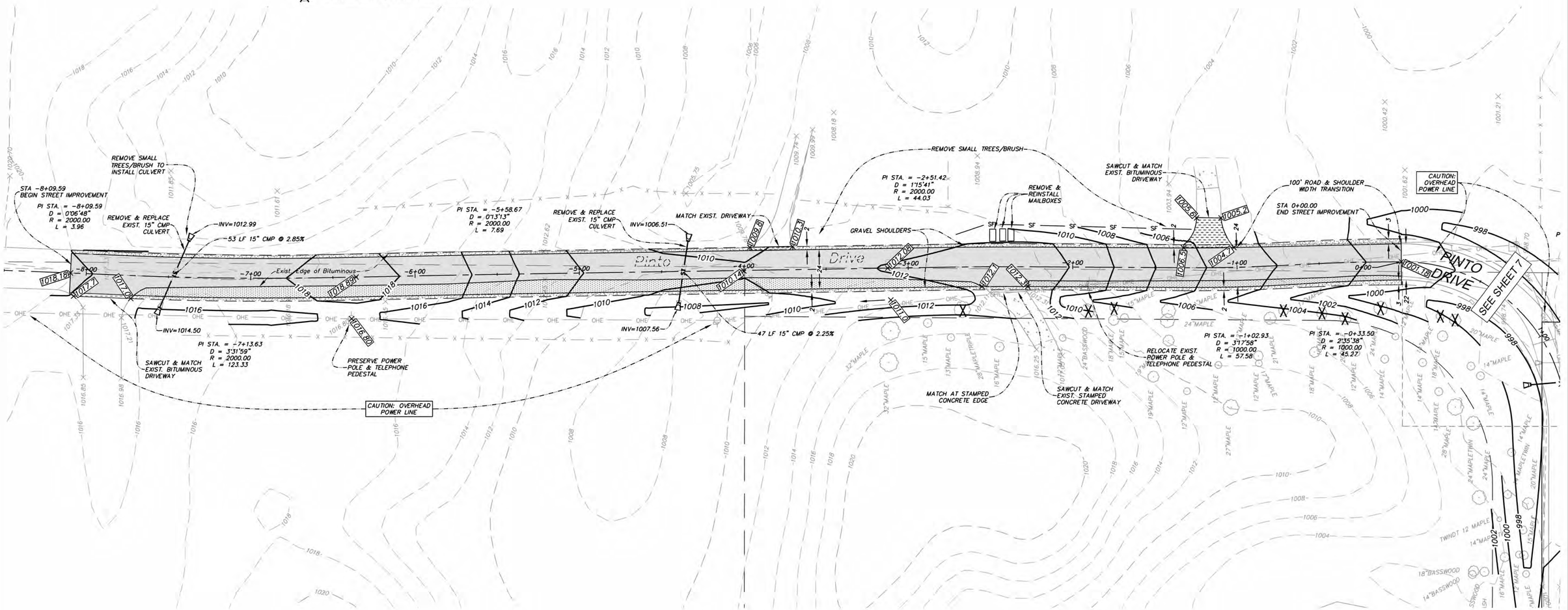
LEGEND

- 988 — denotes Existing Contour
- 988.00 × denotes Existing Spot Elevation
- 1010 — denotes Proposed Contour
- 1010.0 × denotes Proposed Spot Elevation
- → denotes Proposed Drainage
- (E) denotes Existing Electrical Meter
- T denotes Existing Telephone Pedestal
- denotes Existing Power Pole
- denotes Existing Deciduous Tree
- denotes Existing Coniferous Tree
- OHE — denotes Existing Overhead Electric Line
- denotes Existing Culvert
- SF — denotes Pre-construction Silt Fence
- ST — denotes Proposed Storm Sewer Line
- denotes Proposed Bituminous 6" Depth Reclamation
- denotes Proposed Bituminous
- denotes Proposed Gravel
- denotes Proposed Driveway Restoration
- denotes Existing Tree To Be Removed

N

0 30 60 Feet

SCALE: 1"=30'



REV. NO.	DATE	BY	DESCRIPTION

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HOLY NAME LAKE ESTATES

KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY STREET IMPROVEMENT PLAN - PINTO DRIVE

SHEET NO. 9 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20

GENERAL PROJECT INFORMATION

PROJECT LOCATION AND NARRATIVE:

THIS PROJECT CONSISTS OF A 6 LOT SUBDIVISION IN MEDINA, MN. THE SITE IS LOCATED NEAR LONGITUDE −93.5372, LATITUDE 45.0205. THE SITE IS ACCESSED FROM PINTO DRIVE.

CONSTRUCTION ACTIVITIES INCLUDE GRADING, ROAD CONSTRUCTION, AND STORMWATER BASIN CONSTRUCTION.

CONSTRUCTION IS PLANNED TO BEGIN SPRING OF 2021 AND END FALL OF 2022.

RESPONSIBLE PARTIES:

CONTRACTOR MUST BE TRAINED FOR BOTH CONSTRUCTION INSTALLER AND SITE MANAGEMENT PER REQUIREMENTS OF THE PERMIT, PART III.F.

KELLER WILLIAMS REALTY ELITE	DONAVON DESMARAIS	612−221−4395
OWNER	CONTACT PERSON	PHONE

OTTO ASSOCIATES, INC.	PAUL E. OTTO	763−682−4727
PLAN PREPARER	CONTACT PERSON	PHONE

TRAINING: 11/29/2018 (EXPIRES 2022) U OF MN CERTIFICATION − DESIGN OF CONSTRUCTION SWPPP

TBD		
CONTRACTOR (RESPONSIBLE FOR INSTALLATION & INSPECTION)	CONTACT PERSON	PHONE

PARTY RESPONSIBLE FOR LONG TERM O&M OF PERMANENT STORMWATER MANAGEMENT SYSTEM	CONTACT PERSON	PHONE

PROJECT AREAS:

TOTAL PROJECT SIZE (DISTURBED AREA) = 8.6 ACRES

EXISTING AREA OF IMPERVIOUS SURFACE = 0.2 ACRES
POST−CONSTRUCTION AREA OF IMPERVIOUS SURFACE = 4.0 ACRES
TOTAL NEW IMPERVIOUS SURFACE AREA CREATED = 3.8 ACRES

RECEIVING WATERS:

SURFACE WATERS AND WETLANDS THAT WILL RECEIVE STORM WATER RUNOFF FROM THE SITE AND ARE WITHIN ONE (1) MILE OF THE SITE ARE INDICATED WITH DIRECTION ARROW ON THE SWPPP PLAN SHEET AND ARE LISTED BELOW:

NAME OF WATER BODY	IMPAIRED WATER
UNNAMED WETLAND COMPLEX	NO
HOLY NAME LAKE	YES

THE OWNER SHALL SUBMIT A NOTICE OF TERMINATION (NOT) AFTER ONE OF THE FOLLOWING HAS BEEN COMPLETED, WHICHEVER OCCURS FIRST.

1. WITHIN 30 DAYS AFTER FINAL STABILIZATION (PERMIT SECTION 13) IS COMPLETE.
2. WITHIN 30 DAYS AFTER SELLING OR OTHERWISE LEGALLY TRANSFERRING THE ENTIRE SITE.
3. IF 90% (BY AREA) OF ALL ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER HAS BEEN ESTABLISHED ON THOSE AREAS.

ALTERNATIVELY, THE OWNER MAY SUBMIT A PERMIT MODIFICATION FORM FOR EACH HOMEBUILDER/HOMEOWNER AS LOTS ARE SOLD. THE NEW OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR AMENDING THE SWPPP AS NECESSARY TO SPECIFICALLY ADDRESS THEIR WORK AND SUBMIT A NOTICE OF TERMINATION (NOT) ACCORDING TO THE SAME REQUIREMENTS ABOVE.

CONSTRUCTION ACTIVITY NOTES

ALL CONSTRUCTION ACTIVITIES MUST MEET THE REQUIREMENTS OF THE MPCA'S NPDES GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY.

EROSION PREVENTION:

ALL EXPOSED SOIL AREAS (INCL. STOCKPILES) MUST BE STABILIZED. STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION BUT COMPLETED NO CASE LATER THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

TEMPORARY TURF RESTORATION SHALL BE MNDOT SEED MIX 25−111 @ 100 LB/ACRE WITH MNDOT TYPE 1 MULCH @ 2 TONS/ACRE (DISC ANCHORED) AND 22−5−10 TYPE 3 FERTILIZER (350 LBS/ACRE). STABILIZATION MUST BE INITIATED IMMEDIATELY BUT IN NO CASE COMPLETED LATER THAN 7 DAYS AFTER THE ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

PERMANENT TURF RESTORATION SHALL BE MNDOT SEED MIX 25−141 @ 220 LB/ACRE WITH MNDOT TYPE 1 MULCH @ 2 TONS/ACRE (DISC ANCHORED).

THE FOLLOWING SHALL BE INSTALLED WITHIN 24 HOURS OF CONNECTION TO SURFACE WATER:

1) STABILIZATION OF THE NORMAL WETTED PERIMETER OF ANY TEMPORARY OR PERMANENT DRAINAGE SWALES WITHIN 200' OF EDGE OF SITE OR CONNECTION TO SURFACE WATER

SEDIMENT CONTROL PRACTICES:

A 50 FOOT NATURAL BUFFER SHALL BE PROVIDED FROM SURFACE WATERS. WHERE THIS IS INFEASIBLE, REDUNDANT EROSION CONTROL WILL BE INSTALLED. REFER TO PLANS FOR LOCATIONS.

ENTERING/EXITING THE SITE SHALL OCCUR ONLY AT ROCK CONSTRUCTION ENTRANCE TO LIMIT TRACKING OF SEDIMENT ONTO STREETS.

SEDIMENT TRACKED ONTO STREETS DURING WORKING HOURS MUST BE RECLAIMED VIA SCRAPING AND SWEEPING AT END OF EACH WORKING DAY.

TEMPORARY SOIL STOCKPILES SHALL HAVE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS INSTALLED AT THE BASE ON THE DOWNGRADIENT PERIMETER. NO STOCKPILE MAY BE PLACED IN ANY NATURAL BUFFERS OR SURFACE WATER.

IF DEWATERING IS NECESSARY, DISCHARGE SHALL BE TO A TEMPORARY OR PERMANENT SEDIMENT BASIN. IF INFEASIBLE, CONTRACTOR MAY DEWATER TO SURFACE WATERS IF THEY VISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED AND NUISANCE CONDITIONS WILL NOT RESULT. NO EROSION OR SCOUR AT THE DISCHARGE POINT SHALL OCCUR AND WETLAND INUNDATION SHALL BE CHECKED THAT IT DOESN'T CAUSE ADVERSE IMPACT TO THE WETLAND.

CONSTRUCTION SEQUENCING:

1) PRECONSTRUCTION MEETING.
2) INSTALL PERIMETER SILT FENCE & ROCK CONSTRUCTION ENTRANCE.
3) STRIP TOPSOIL & STOCKPILE.
4) ROUGH GRADE SITE.
5) INSTALL CULVERTS.
6) TEMPORARY STABILIZE SITE AS INDICATED ON THE PLANS.
7) COMPLETE STREET CONSTRUCTION.
8) TOPSOIL RESPREAD.
9) PRIVATE UTILITY INSTALLATION.
10) CONSTRUCT FILTRATION BASINS.
11) RESTORE SITE WITH PERMANENT RESTORATION.
12) REMOVE SEDIMENT CONTROL DEVICES & SUBMIT NOTICE OF TERMINATION (NOT) TO MPCA ONCE ALL DISTURBED AREAS HAVE 70% VEGETATIVE DENSITY.

EROSION & SEDIMENT CONTROL BMP ESTIMATED QUANTITIES:

QUANTITIES LISTED ARE APPROXIMATE. REFER TO CONTRACT DOCUMENTS FOR EXACT QUANTITIES.

BMP	EST. QUANTITY
SILT FENCE	1,820 LF
SILT FENCE W/ BIOROLL	1,150 LF
ROCK CONST. ENTRANCE	1 EACH
MNDOT SEED MIX 21−111, TYPE 1 MULCH	4.6 AC
MNDOT SEED MIX 25−141, TYPE 1 MULCH	4.6 AC
MNDOT 3885 CAT 3 EROSION CONTROL BLANKET	6,952 SY
MNDOT SEED MIX 33−262 W/ MNDOT 3885 CAT 3N EROSION CONTROL BLANKET	3,580 SY
MNDOT SEED MIX 34−262 W/ MNDOT 3885 CAT 3N EROSION CONTROL BLANKET	1,602 SY
BIOROLL DITCH CHECKS	6 EACH
BIOROLL INLET PROTECTION	7 EACH
NAG SC250 TRM	78 SF
GREEN AREA INLET PROTECTION	3 EACH

CONSTRUCTION NOTES

INSPECTIONS AND MAINTENANCE:

THE CONTRACTOR MUST HAVE A TRAINED PERSON TO ROUTINELY INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5 INCHES IN A 24−HR PERIOD. INSPECTION LOGS SHALL INCLUDE ANY CORRECTIVE MEASURES TO BE TAKEN. CORRECTIVE MEASURES SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS OTHERWISE SPECIFIED DUE TO FIELD CONDITIONS THAT PREVENT ACCESS TO THE AREA.

ALL INSPECTIONS MUST BE RECORDED AND RECORDS RETAINED WITH THE SWPPP ON SITE. THE SWPPP, ALONG WITH INSPECTIONS AND MAINTENANCE RECORDS, SHALL BE RETAINED FOR THREE YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION (NOT).

SILT FENCE MUST BE MAINTAINED WHEN ACCUMULATED SEDIMENT REACHES 1/2 OF THE DEVICE HEIGHT. INLET PROTECTION DEVICES SHALL BE CLEANED ON A ROUTINE BASIS SUCH THAT THE DEVICES ARE FULLY FUNCTIONAL FOR THE NEXT RAINSTORM EVENT. REMOVAL AND DISPOSAL OF THE SEDIMENT SHALL BE INCIDENTAL TO THE CONTRACT.

ROCK CONSTRUCTION ENTRANCE(S) SHALL BE CLEANED AND REFRESHED AS NECESSARY TO CONFORM TO DETAIL.

STREET SWEEPING SHALL BE USED IF VEHICLE TRACKING BMP'S ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONTO STREETS.

POLLUTION PREVENTION:

ALL SOLID WASTE GENERATED BY/COLLECTED FROM THE CONSTRUCTION SITE MUST BE DEPOSITED IN A DUMPSTER.

BUILDING PRODUCTS AND LANDSCAPE MATERIALS SHALL BE PLACED UNDER COVER (I.E. PLASTIC SHEETING OR TEMPORARY ROOFS). THIS ALSO APPLIES TO PESTICIDES, FERTILIZER AND TREATMENT CHEMICALS.

NO CONSTRUCTION MATERIAL SHALL BE BURIED OR BURNED ONSITE.

ALL HAZARDOUS MATERIALS (OIL, GASOLINE, FUEL, HYDRAULIC FLUIDS, PAINT, ETC) MUST BE PROPERLY STORED IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MINN. R. CH. 7045. CONTRACTOR SHALL ENSURE ADEQUATE SUPPLIES ARE AVAILABLE TO CLEAN UP DISCHARGED MATERIAL AND THAT AN APPROPRIATE DISPOSAL METHOD IS AVAILABLE FOR RECOVERED SPILLED MATERIALS. CONTRACTOR MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY.

ALL VEHICLES LEFT ONSITE SHALL BE MONITORED FOR LEAKS TO REDUCE THE CHANCE OF CONTAMINATION.

EXTERNAL WASHING OF TRUCKS OR OTHER CONSTRUCTION VEHICLES, ENGINE DEGREASING, NOR CONCRETE WASHOUTS ARE ALLOWED ON SITE. TRUCKS ARE TO USE SELF−CONTAINED WASHOUT SYSTEM.

PORTABLE TOILETS SHALL BE SECURED FROM BEING TIPPED OR KNOCKED OVER.

THE CONTRACTOR SHALL MONITOR AND PROVIDE DUST CONTROL CORRECTION WHEN NEEDED. THIS WORK IS CONSIDERED INCIDENTAL TO THE CONTRACT.

ALL SPILLS SHALL BE CLEANED IMMEDIATELY UPON DISCOVERY. SPILLS LARGE ENOUGH TO REACH THE STORM CONVEYANCE SYSTEM SHALL BE REPORTED TO THE MPCA STATE DUTY OFFICER AT 1−800−422−0798.

FINAL STABILIZATION:

THE CONTRACTOR MUST ENSURE FINAL STABILIZATION OF THE SITE PRIOR TO SUBMITTING NOT.

SUFFICIENT TOPSOIL (4") SHALL BE PLACED ON DISTURBED AREAS FOR RE−VEGETATION. TOPSOIL SHALL BE PLACED IN A MANNER TO MINIMIZE COMPACTION (LOW GROUND PRESSURE DOZERS, TRACKED EQUIPMENT, ETC).

VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70% OF ITS EXPECTED FINAL GROWTH.

PERMANENT STORMWATER TREATMENT SYSTEMS MUST BE CLEANED OF ANY ACCUMULATED SEDIMENT PRIOR TO SUBMITTNG THE NOT.

ALL TEMPORARY EROSION CONTROL MEASURES AND BMP'S MUST BE REMOVED AS PART OF THE FINAL SITE STABILIZATION.

TRAINING REQUIREMENTS:

CONTRACTOR MUST BE TRAINED FOR BOTH CONSTRUCTION INSTALLER AND SITE MANAGEMENT PER REQUIREMENTS OF THE PERMIT, PART III.F. DOCUMENTATION SHALL BE ADDED TO THE SWPPP DOCUMENTS LOCATED ONSITE.

REV. NO.	DATE	BY	DESCRIPTION

DESIGNED P.E.O. DRAWN T.J.B.
CHECKED P.E.O.

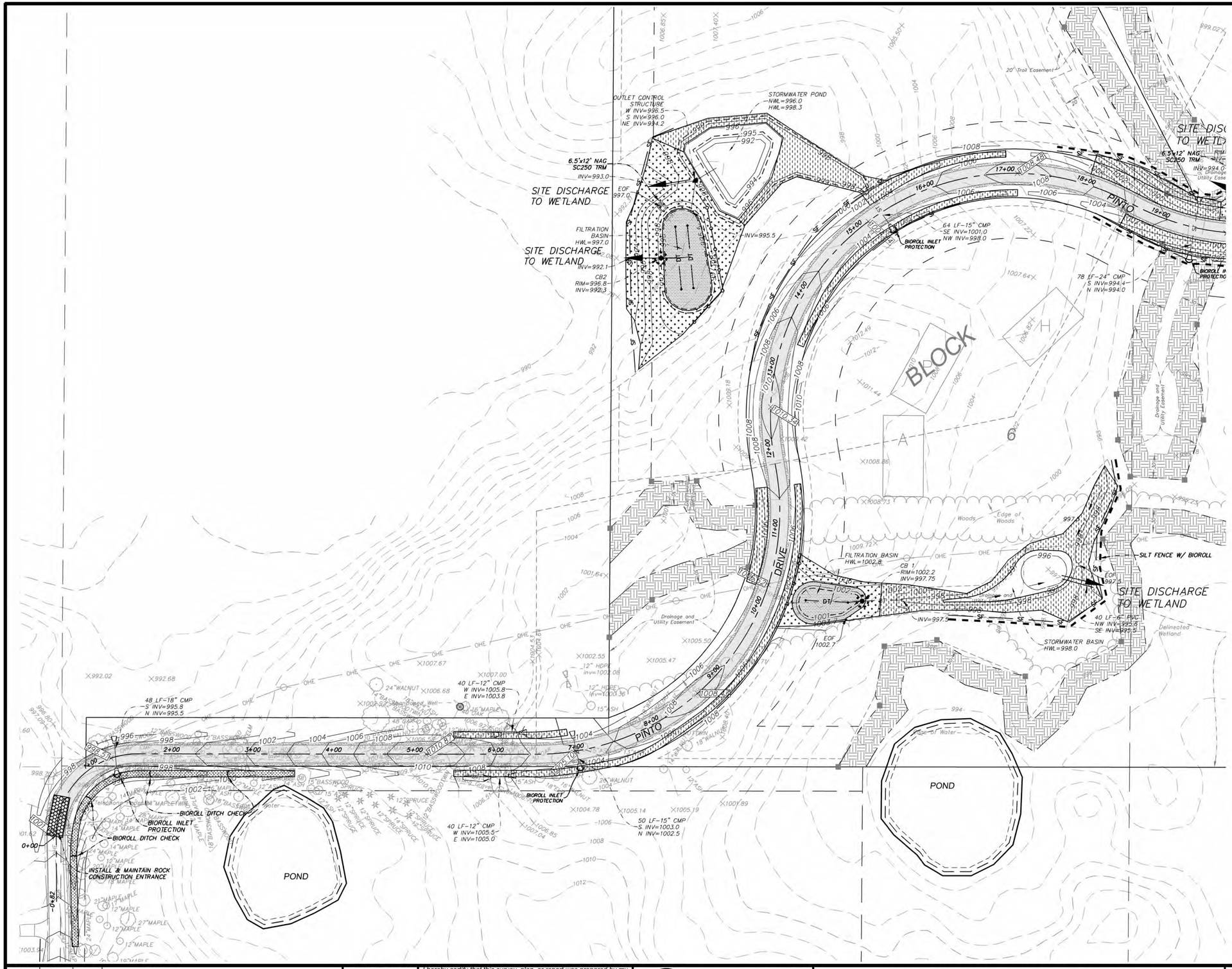
I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.
Paul E. Otto
License #40062 Date: 9−11−20

OTTO ASSOCIATES
Engineers & Land Surveyors, Inc.
www.ottoassociates.com
9 West Division Street
Buffalo, MN 55313
(763)682-4727
Fax: (763)682-3522

HOLY NAME LAKE ESTATES
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY STORMWATER POLLUTION PREVENTION PLAN NARRATIVE

PROJECT NO: 20-0385
DATE: 9-11-20



LEGEND

- SF —— denotes Pre-construction Silt Fence
- —o—o— denotes Post-construction Silt Fence
- denotes MNDOT Seed Mix 25-141 W/ MNDOT 3885 CAT 3N erosion control blanket
- denotes MNDOT Seed Mix 33-262 W/ MNDOT 3885 CAT 3N erosion control blanket
- denotes MNDOT Seed Mix 34-262 W/ MNDOT 3885 CAT 3N erosion control blanket
- denotes 30' Wetland Buffer
- denotes Green Area Inlet Protection

NOTES:

1. UNLESS OTHERWISE NOTED, DISTURBED OPEN SPACE SHALL BE RESTORED WITH 4" TOPSOIL, MNDOT SEED MIX 25-141 & TYPE 1 MULCH (2 TONS/AC, DISC ANCHORED)
2. ANY UNVEGETATED WETLAND BUFFER AREAS SHALL BE RESTORED WITH MNDOT SEED MIX 35-241 & TYPE 1 MULCH.

REV. NO.	DATE	BY	DESCRIPTION

DESIGNED P.E.O. DRAWN T.J.B.
CHECKED P.E.O.

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Paul E. Otto
License #40062 Date: 9-11-20

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HOLY NAME LAKE ESTATES

KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY STORMWATER POLLUTION PREVENTION PLAN (WEST)

SHEET NO. 11 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20

LEGEND

- SF —— denotes Pre-construction Silt Fence
- —o—o— denotes Post-construction Silt Fence
- denotes MNDOT Seed Mix 25-141 W/ MNDOT 3885 CAT 3N erosion control blanket
- denotes MNDOT Seed Mix 33-262 W/ MNDOT 3885 CAT 3N erosion control blanket
- denotes MNDOT Seed Mix 34-262 W/ MNDOT 3885 CAT 3N erosion control blanket
- denotes 30' Wetland Buffer
- denotes Green Area Inlet Protection

N

0 60 120 Feet

SCALE: 1"=60'

NOTES:
1. UNLESS OTHERWISE NOTED, DISTURBED OPEN SPACE SHALL BE RESTORED WITH 4" TOPSOIL, MNDOT SEED MIX 25-141 & TYPE 1 MULCH (2 TONS/AC, DISC ANCHORED)
2. ANY UNVEGETATED WETLAND BUFFER AREAS SHALL BE RESTORED WITH MNDOT SEED MIX 35-241 & TYPE 1 MULCH.

FUTURE FILTRATION BASIN (BY HOMEOWNER) HWL=989.8

20' Trail Easement

Drainage and Utility Easement

STORMWATER POND NWL=996.0 HWL=998.3

OUTLET CONTROL STRUCTURE W INV=996.5 S INV=996.0 NE INV=994.2

6.5'x12' NAG SC250 TRM INV=993.0

SITE DISCHARGE TO WETLAND

EOF 997.0

FILTRATION BASIN HWL=997.0 INV=995.5

INV=992.1

CB2 RIM=996.8 INV=992.3

64 LF-15" CMP SE INV=1001.0 NW INV=998.0

BIOROLL INLET PROTECTION

78 LF-24" CMP S INV=994.4 N INV=994.0

SITE DISCHARGE TO WETLAND

6.5'x12' NAG SC250 TRM RIM=998.8 INV=994.0

EOF 999.0

FILTRATION BASIN HWL=999.3

56 LF-18" CMP S INV=999.0 NW INV=997.7

BIOROLL DITCH CHECKS 100' ON CENTER

STORMWATER BASIN/ENHANCED PERVIOUS NWL=1013.4 HWL=1015.0

EOF 1013.0

20 LF-8" PVC N INV=1011.5 S INV=1011.3

SITE DISCHARGE TO WETLAND

HWL=1011.7

Woods Edge of Woods

Delineated Edge of Wetland

PINTO DRIVE

BLOCK

1 2 3 4 5 6

REV. NO.	DATE	BY	DESCRIPTION

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CHECKED P.E.O.

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HOLY NAME LAKE ESTATES

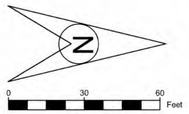
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY STORMWATER POLLUTION PREVENTION PLAN (EAST)

SHEET NO. 12 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20



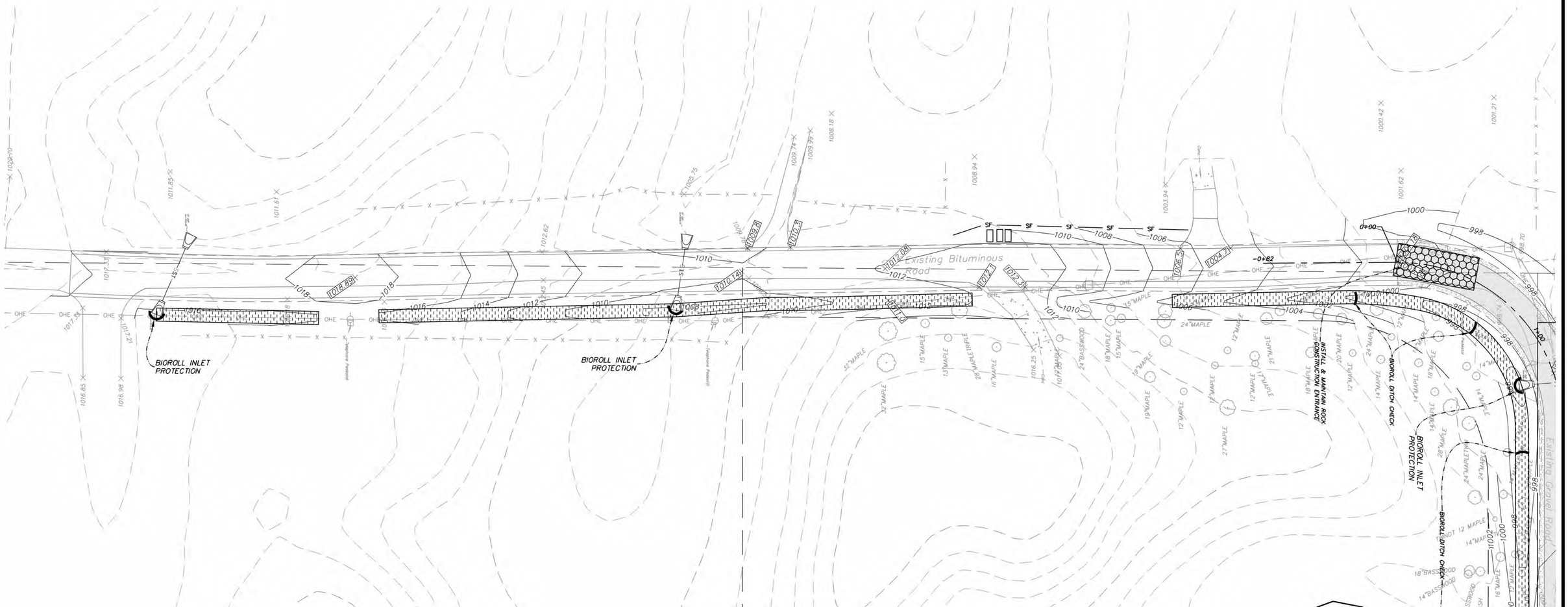
SCALE: 1"=30'

LEGEND

SF — denotes Pre-construction Silt Fence

denotes MNDOT Seed Mix 25-141 W/ MNDOT 3885 CAT 3N erosion control blanket

NOTE: DISTURBED OPEN SPACE SHALL BE RESTORED WITH 4" TOPSOIL, MNDOT SEED MIX 25-141 & TYPE 1 MULCH (2 TONS/AC, DISC ANCHORED)



REV. NO.	DATE	BY	DESCRIPTION

DESIGNED P.E.O. DRAWN T.J.B.
CHECKED P.E.O.

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Paul E. Otto
License #40062 Date: 9-11-20

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HOLY NAME LAKE ESTATES
KELLER WILLIAMS REALTY ELITE
MEDINA, MN

PRELIMINARY STORMWATER POLLUTION PREVENTION PLAN (PINTO DRIVE)

SHEET NO. 13 OF 13 SHEETS

PROJECT NO: 20-0385

DATE: 9-11-20