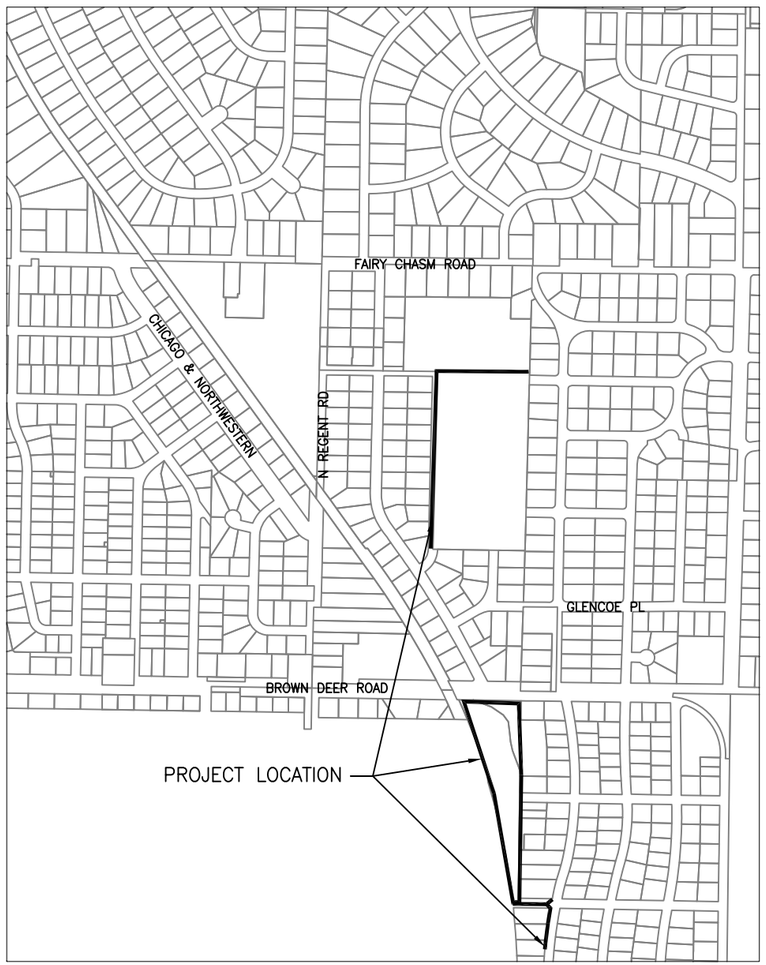
UNPS AND STORM WATER IMPROVEMENT PROJECT VILLAGE OF BAYSIDE, WISCONSIN



LOCALITY MAP

SHEET INDEX

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LEGEND

8"SAN — 8"SAN	EXISTING SANITARY SEWER & MANHOLE
8"SAN — 8"SAN	PROPOSED SANITARY SEWER & MANHOLE
8"FM — 8"FM	EXISTING SANITARY FORCE MAIN & AIR RELEASE
12"FM — 12"FM	PROPOSED SANITARY FORCE MAIN & AIR RELEASE
24"ST — 24"ST	EXISTING STORM SEWER & MANHOLE
24"ST — 24"ST	PROPOSED STORM SEWER & MANHOLE
6"W — 6"W	EXISTING WATER MAIN, HYDRANT, VALVE & CURB STOP
12"W — 12"W	PROPOSED WATER MAIN, HYDRANT, VALVE & CURB STOP
6"G — 6"G	EXISTING GAS MAIN & VALVE
T — T	EXIST. UNDERGROUND TELEPHONE CABLE, M.H. & VAULT
FO — FO	EXIST. UNDERGROUND FIBER OPTIC CABLE, M.H. & VAULT
E — E	EXIST. UNDERGROUND ELECTRIC CABLE, M.H. & VAULT
TV — TV	EXIST. UNDERGROUND TELEVISION CABLE, M.H. & VAULT
OH — OH — OH	EXISTING OVERHEAD UTILITY
12"W P — 12"W P	EXIST. UNGRD. UTILITIES PER PLYMOUTH AS–BUILT PLANS
	UTILITIES ABANDONED, UTILITIES TO BE ABANDONED
	CULVERT EXISTING, PROPOSED CULVERT WITH ENDWALLS
10+00 11+00 12+00	STREET CENTERLINE & REFERENCE LINE (R/L)
R/W	EXISTING RIGHT–OF–WAY LINE
R/W	PROPOSED RIGHT–OF–WAY LINE
	MINOR LOT LINE
	PROPERTY LINE
	SECTION LINE
	QUARTER SECTION LINE
	TOWNSHIP OR RANGE LINE
1/16	1/16 TH SECTION LINE
	DITCH
	EXISTING RAILROAD TRACKS
	SLOPE INTERCEPT
	EXISTING EDGE OF GRAVEL
	PROPOSED EDGE OF GRAVEL
	EXISTING EDGE OF PAVEMENT
	PROPOSED EDGE OF PAVEMENT
	EXISTING CURB & GUTTER
	NEW STANDARD CURB & GUTTER
	EXISTING GROUND / PROPOSED GRADE } IN PROFILE
OR OR	EROSION BALES, INLET PROTECTION
	SILT FENCE
	EROSION MAT
1" IRON PIPE – 3/4" IRON ROD	BUSH
2" IRON PIPE	TREE (DECIDUOUS)
RIGHT–OF–WAY POST	TREE (CONIFEROUS)
CONTROL POINT	TREE STUMP
CONCRETE MONUMENT	WOODED AREA
BENCHMARK FOUND	HEDGE
POWER POLE	MARSH LOCATION
POWER & TELEPHONE POLE	TREE/BUSH REMOVAL
TELEPHONE POLE	WOODED AREA REMOVAL
LAMP POLE (PRIVATE)	BLOCK WALL
STREET LIGHT	STONE WALL
GUY WIRE & GUY POLE	BUILDINGS
SIGN PRIVATE, PUBLIC	F.P. FLAGPOLE
UTILITY PEDESTAL	M.B. MAIL BOX
TRAFFIC SIGNAL	HYDRANT EXISTING, PROPOSED
SEPTIC TANK VENT	WATER VALVE EXISTING, PROPOSED
S.V. TELEPHONE BOOTH	CURB STOP EXISTING, PROPOSED
T TOP OF CURB	INLET EXISTING, PROPOSED
F FLOW LINE OF CURB	CO CO CLEANOUT EXISTING, PROPOSED
FW FACE OF WALK	M.H. EXISTING, PROPOSED
BW BACK OF WALK	
	CAUTION UTILITY CAUTION SYMBOL

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Phone: 414.351.6668 Fax: 414.351.4117
www.kapurengineers.com

PROJECT: UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION: VILLAGE OF BAYSIDE, WISCONSIN

CLIENT: BAYSIDE

RELEASE: BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	05/12/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE:

SEAL:

we listen. we innovate. we turn your vision into reality.

SHEET: TITLE SHEET

PROJECT MANAGER: YA
PROJECT NUMBER: 14.0190.01
DATE: 09/26/14

SHEET NUMBER: 1

FILENAME: S:\Villa_Co\Bayside\gov\14.0190- Phase 1- UNPS and Storm Water Improvement Project\Design\14.0190_cover.dwg

EROSION CONTROL NOTES

ALL EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH WDNR STORM WATER CONSTRUCTION AND POST-CONSTRUCTION TECHNICAL STANDARDS, LATEST EDITIONS OF VILLAGE OF BAYSIDE EROSION CONTROL REQUIREMENTS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED BY DIRECTION OF ENGINEER WITH THE FOLLOWING FINISHING ITEMS: TOPSOIL OF 4" MIN., HYDROSEED, FERTILIZER AND EROSION MATTING. CONTRACTOR SHALL WATER AND MAINTAIN RESTORATION AREAS UNTIL AFTER FIRST CUTTING.

ALL EROSION CONTROL DEVICES WILL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF A RAINFALL GREATER THAN OR EQUAL TO 0.5 INCHES BY THE CONSTRUCTION ENGINEER. CONTRACTOR WILL BE REQUIRED TO REPAIR BMP'S IF DIRECTED BY CONSTRUCTION ENGINEER.

CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN EROSION CONTROL DEVICES WHILE THEY ARE ON SITE AND THROUGH 70% TO ESTABLISHED VEGETATIVE GROWTH.

PROJECT SITE ROADWAYS SHALL BE CLEAN AND FREE OF DEBRIS BY THE END OF EACH WORKDAY. CONTRACTOR SHALL NOT FLUSH STREETS BUT SHALL USE STREET SWEEPER.

REMOVAL OF EROSION CONTROL DEVICES WILL BE INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

UTILITY CONTACTS

WE ENERGIES – GAS
5400 N. GREEN BAY AVE.
MILWAUKEE, WISCONSIN 53209–5007
MARK TREDWAY (414) 423–5071

AT&T
7721 W FOND DU LAC AVE
MILWAUKEE, WI 53218
TERRY O'NEIL (414) 525–7431

WE ENERGIES – ELECTRIC
W164 N9168 WATER STREET
MENOMONEE FALLS, WI 53051
KEN FRANECKI (414) 423–5065

TIME WARNER CABLE
1320 N. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
STEVE CRAMER (414) 277–4045

DIRECTOR OF COMMUNITY & UTILITY SERVICES
VILLAGE OF BAYSIDE
9075 N REGENT ROAD
BAYSIDE, WISCONSIN 53217
REBECCA VanREGENMORTER (414) 351–8811

MEMBER ONE CALL SYSTEMS INTERNATIONAL

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
1–800–242–8511
TOLL FREE

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

GENERAL NOTES

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.

RIGHT OF WAY SHOWN WITHIN THIS PLAN SET IS APPROXIMATE BASED UPON GIS MAPPING AND DOES NOT REFLECT AN ACCURATE FIELD SURVEY.

DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED IN THIS DRAWINGS FOR REMOVAL OR BY THE ENGINEER.

BIDDERS ARE ADVISED TO CONTACT EACH UTILITY COMPANY LISTED IN THE PLAN PRIOR TO PREPARING THEIR BIDS TO OBTAIN CURRENT INFORMATION ON THE STATUS OF ANY UNDERGROUND AND OVERHEAD UTILITIES.

CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS TO THE ENGINEER PRIOR TO COMMENCING WORK.

LOCAL TRAFFIC SHALL HAVE ACCESS TO THE SITE DURING CONSTRUCTION. KEEP A MINIMUM OF ONE LANE OF TRAFFIC OPEN AT ALL TIMES.

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO ENGINEER AND VILLAGE POLICE DEPARTMENT A MINIMUM 5 DAYS BEFORE START OF CONSTRUCTION.

SHOULD PLANS FOR CONSTRUCTION CHANGE, THE CONTRACTOR SHALL SUBMIT PLAN CHANGES TO WDNR AND ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING PLAN CHANGES.

ALL TRAFFIC SIGNS SHALL BE SALVAGED AND STOCK PILED BY CONTRACTOR AND CONSIDERED INCIDENTAL TO CONTRACT. THE VILLAGE OF BAYSIDE WILL RE-INSTALL ALL TRAFFIC SIGNS.

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www.kapurengineers.com

PROJECT:
UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION:
VILLAGE OF BAYSIDE, WISCONSIN

CLIENT:
BAYSIDE

RELEASE:
BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	05/12/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE: NTS

SEAL:

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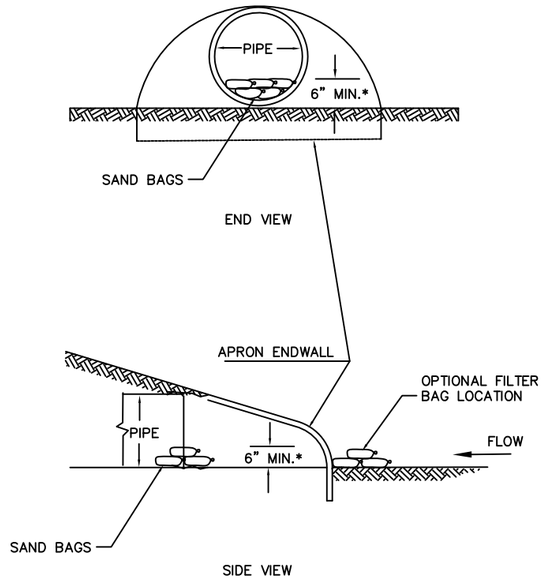
SHEET:
GENERAL NOTES

PROJECT MANAGER: YA
PROJECT NUMBER: 14.0190.01
DATE: 09/26/14

SHEET NUMBER:
2

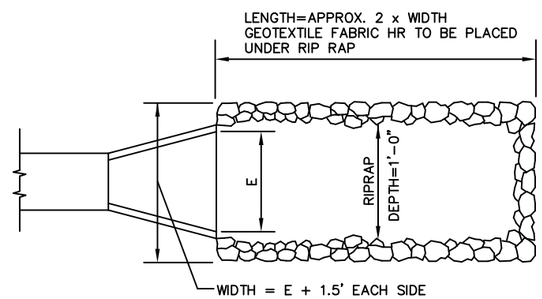
FILENAME: S:\Villa_Of_Bayside\2014\14.0190 - Phase 1 - UNPS and Storm Water Improvement Project\Design\14.0190_sheet.dwg



CULVERT PIPE DITCH CHECK

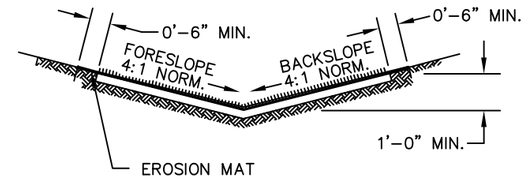
(INSTALL AT INLET END ONLY)

N.T.S.



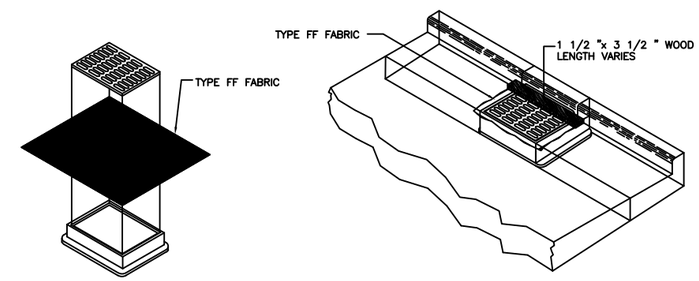
PLACEMENT OF RIPRAP AT CULVERT ENDS DETAIL

SCALE: NTS



TYPICAL INSTALLATION OF EROSION MAT

N.T.S.



TYPE B INLET PROTECTION (WITHOUT CURB BOX, CAN BE INSTALLED ON ANY INLET TYPE)

TYPE C INLET PROTECTION (WITH CURB BOX)

GENERAL NOTES:

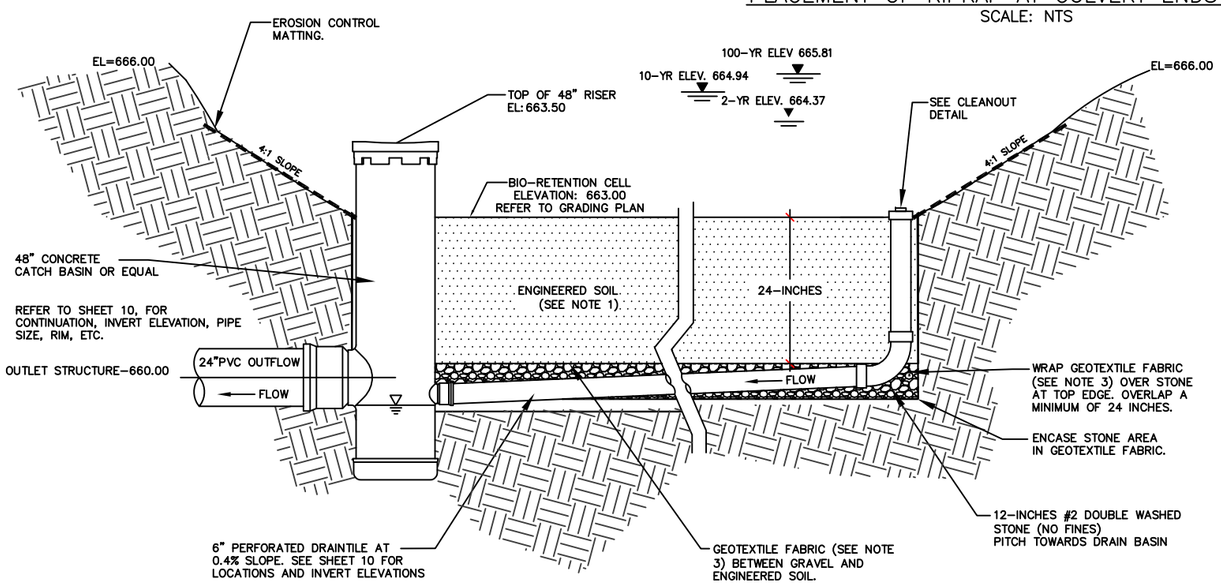
1.) FABRIC SIZE SHALL BE 6" GREATER ON ALL SIDES OF THE INLET COVER.

2.) FABRIC SHALL BE REPLACED AT THE ENGINEERS DISCRETION.

3.) THE WEIGHT OF INLET GRATE WILL HOLD FABRIC IN PLACE

4.) FOR INLET WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.

5.) FOR INLET WITH A CURB BOX, THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.



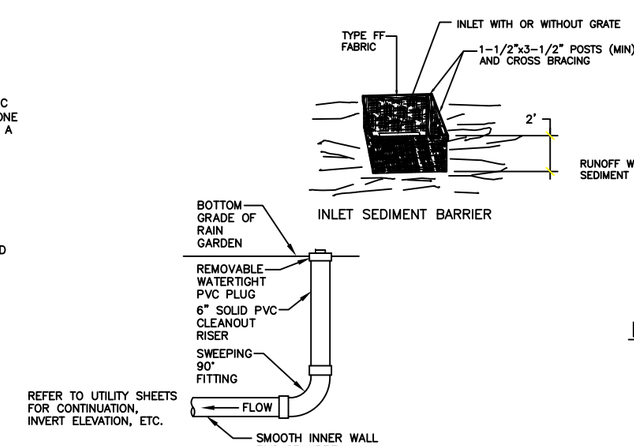
NOTE 1: ENGINEERED SOIL CONSIST OF: 70% PRE-WASHED, COARSE DOLOMITIC SAND AND 30% COMPOST (SHALL MEET DNR SPECIFICATION 100; AVAILABLE AT S & R COMPOST, WAUKESHA, WI OR PURPLE COW ORGANICS, OCONOMOWOC, WI)

NOTE 2: CONSTRUCT PER WISCONSIN DNR TECHNICAL STANDARD 1004 BIORETENTION FOR INFILTRATION UNLESS INDICATED IN SPECIFICATIONS AND DETAILS.

NOTE 3: POLYPROPYLENE FABRIC, 3 OZ/SQ YD MINIMUM, COMPOSED OF FIBERS FORMED INTO A STABLE NETWORK SO THAT FIBERS RETAIN THEIR RELATIVE POSITION. FABRIC SHALL BE INERT TO BIOLOGICAL DEGRADATION AND RESIST NATURALLY ENCOUNTERED CHEMICALS, ALKALIS, AND ACIDS. TO BE NEEDLE PUNCHED GEOTEXTILE FABRIC GEOTEX 451 BRAND OR EQUAL.

ELLSWORTH PARK BIO-RETENTION FACILITY DETAIL

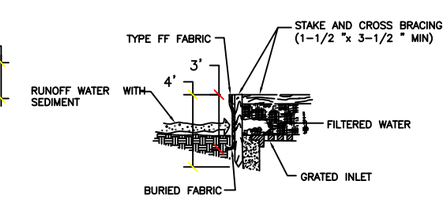
SCALE: NTS



CLEANOUT DETAIL

SCALE: NTS

NOTE ATTACH TYPE FF FABRIC TO THE TOP OF POSTS AND CROSS BRACINGS.



INLET PROTECTION

SCALE: NTS

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MILWAUKEE, WISCONSIN 53217
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www.kapurengineers.com

PROJECT: UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION: VILLAGE OF BAYSIDE, WISCONSIN

CLIENT: BAYSIDE

RELEASE: BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	05/12/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE: NTS

SEAL:

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SHEET: CONSTRUCTION DETAILS

PROJECT MANAGER:	YA
PROJECT NUMBER:	14.0190.01
DATE:	09/26/14

SHEET NUMBER: 3

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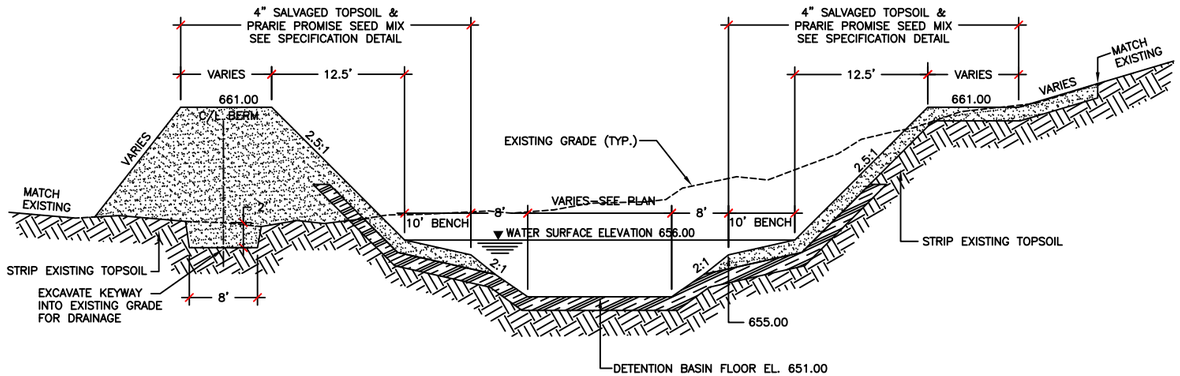


WET DETENTION POND–TYPICAL SECTION

SCALE: NTS

PRAIRIE PROMISE SEED MIX

Prairie Promise Seed Mix shall be as manufactured by Oak Prairie Farm, W4642 Highway 33, Pardeeville, Wisconsin 53954, phone 1-800-894-3884, or equal. The seed mix shall contain the following species:

42 Native Wildflowers:

	% of mix:		% of mix:		% of mix:
Bergamot (Bee balm)	1	Mountain mint	1	Spiderwort	1
Black-eyed Susan	2	New Jersey tea1Stiff coreopsis	1	Brown-eyed Susan	1
Nodding wild onion	1	Stiff goldenrod (Rigid)	1	Butterfly milkweed	1
Ox-eye (False sunflower)	2	Western sunflower	1	Canadian milkvetch	1
Pale purple coneflower	1	White prairie clover	1	Compass plant	1
Partridge pea	1	White wild indigo	1	Dotted mint (Horse mint)	1
Prairie cinquefoil	1	Whorled milkweed	1	Evening primrose	1
Purple coneflower	2	Wild quinine	1	Golden Alexander	2
Purple prairie clover	2	Wild rose	1	Hoary vervain	1
Rattlesnake master	2	Yellow coneflower	2	Lanceleaf coreopsis	2
Rough blazing star	1	Large-flowered beardtongue	1	Round-headed bush-clover	1
Lavender hyssop	1	Sky-blue aster	1	Leadplant	1
Showy goldenrod	1	Lupine	1	Smooth beardtongue	1
Maryland senna	1	Smooth blue aster	1		

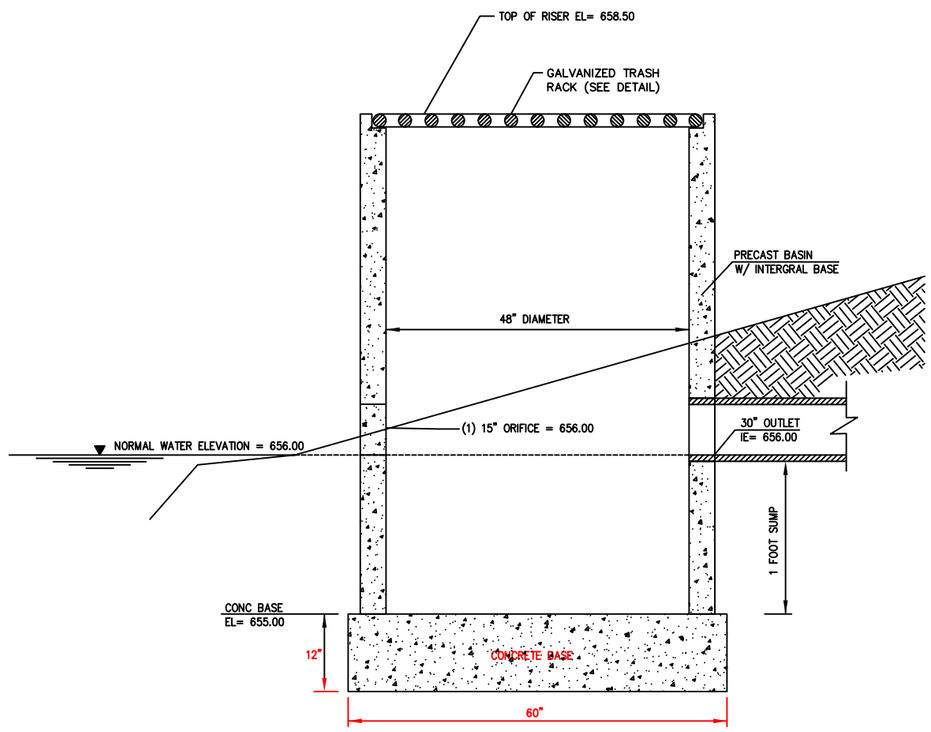
5 Native Grasses:

June grass	5	Little bluestem	19	Prairie dropseed	2
Sand dropseed	5	Side-oats grama	19		

The Prairie Promise Seed Mixture shall be placed in the areas as shown of the detention pond details. The Prairie Promise Seed Mixture shall be placed per the manufacturers recommendations. No fertilizer and little or no mulch shall be placed with the seed mixture.

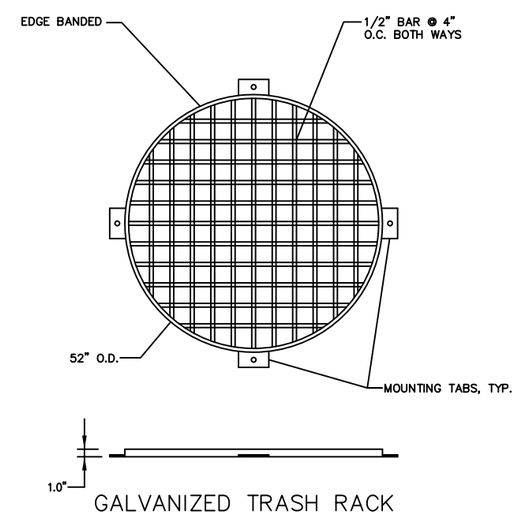
PRAIRIE PROMISE SEED MIX

SCALE: NTS



STORM OUTFALL STRUTURE

SCALE: NTS



GALVANIZED TRASH RACK

USE MODERN BUILDING MATERIALS, LLC
GALVANIZED TRASH RACK OR EQUAL
8011 GREEN BAY ROAD
KENOSHA, WI 53142
PH: (262) 694–3166
FAX: (262) 694–9185

GALVANIZED TRASH RACK

SCALE: NTS

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www.kapurenglneers.com

PROJECT: UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION: VILLAGE OF BAYSIDE, WISCONSIN

CLIENT: BAYSIDE

RELEASE: BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	05/12/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE: NTS

SEAL:

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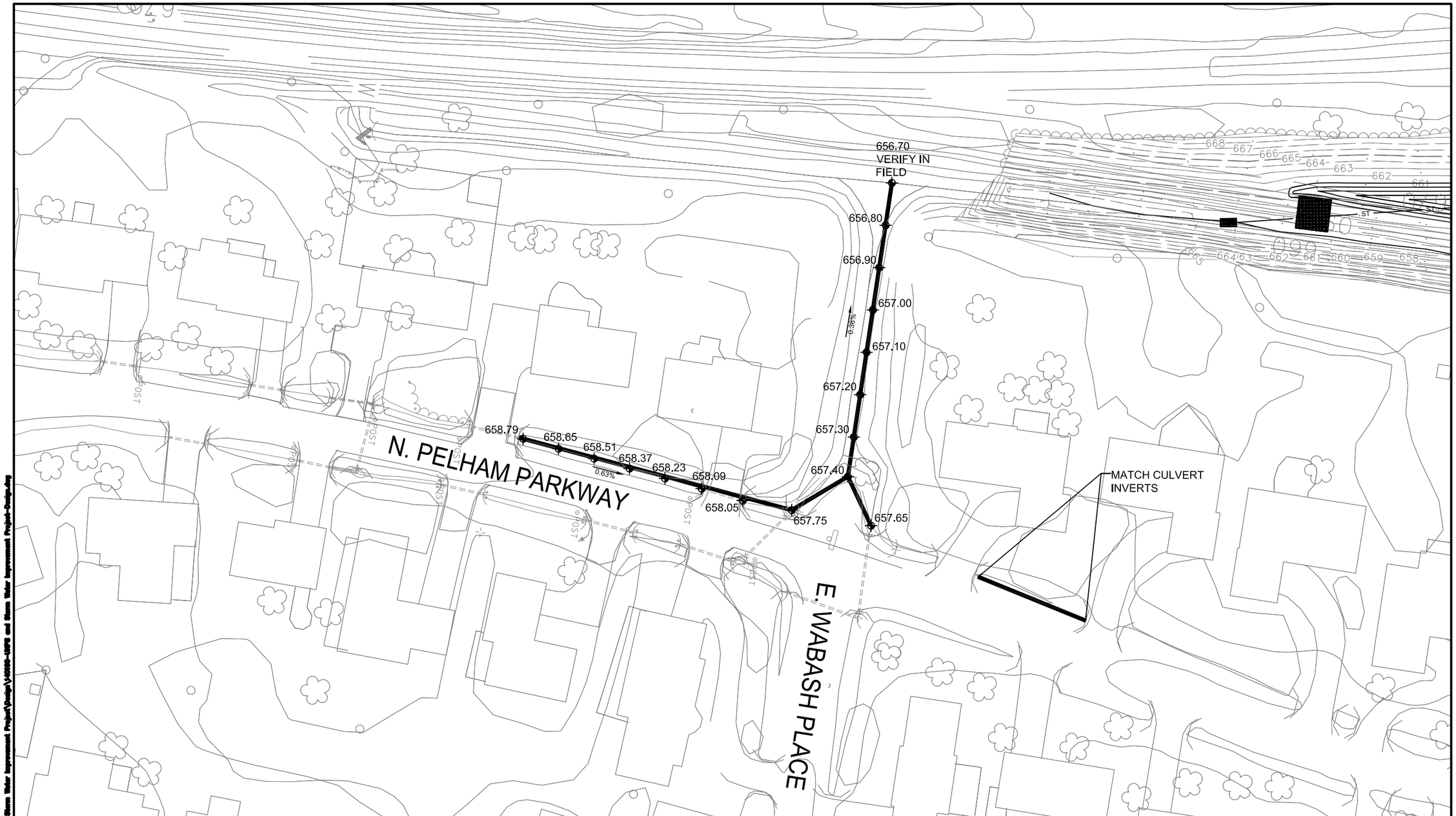
SHEET: CONSTRUCTION DETAILS

PROJECT MANAGER: YA
PROJECT NUMBER: 14.0190.01
DATE:

SHEET NUMBER: 4



LEGEND

658.37 PROPOSED SPOT GRADE

CONCRETE IN DITCH BOTTOM TO BE REMOVED

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www.kapurengineers.com

PROJECT:
UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION:
VILLAGE OF BAYSIDE, WISCONSIN

CLIENT:
BAYSIDE

RELEASE:
BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	05/12/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE: 1" = 30'
0 30' 60'
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

SEAL:

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SHEET:
DITCH REGRADING E. WABASH PL. AND N. PELHAM PKWY.

PROJECT MANAGER:	YA
PROJECT NUMBER:	14.0190.01
DATE:	09/26/14

SHEET NUMBER:
5

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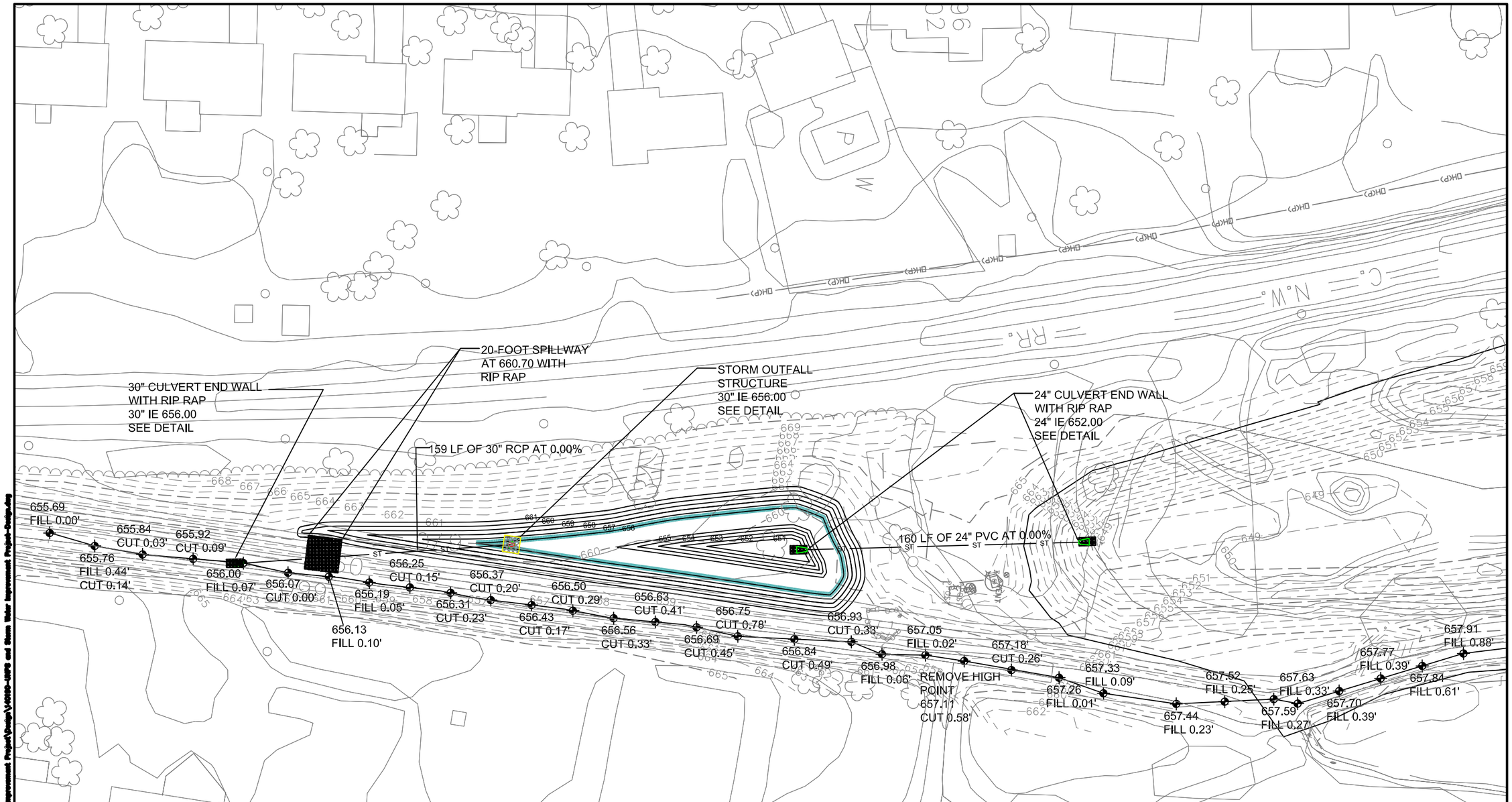

LEGEND

658.37 PROPOSED SPOT GRADE

INLET PROTECTION

KAPUR & ASSOCIATES, INC.
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MILWAUKEE, WISCONSIN 53217
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PROJECT:
UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION:
VILLAGE OF BAYSIDE, WISCONSIN

CLIENT:
BAYSIDE

RELEASE:
BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	05/12/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE: 1" = 30'
0 30' 60'
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

SEAL:

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SHEET:
BROWN DEER RD. POND PLAN VIEW

PROJECT MANAGER:	YA
PROJECT NUMBER:	14.0190.01
DATE:	09/26/14

SHEET NUMBER:
6

LEGEND

658.37 PROPOSED SPOT GRADE

INLET PROTECTION

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www.kapurengineers.com

PROJECT:
UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION:
VILLAGE OF BAYSIDE, WISCONSIN

CLIENT:
BAYSIDE

RELEASE:
BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	4/28/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE: 1" = 30'
0 30' 60'
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

SEAL:

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SHEET:
BROWN DEER RD. POND PLAN VIEW

PROJECT MANAGER:	YA
PROJECT NUMBER:	14.0190.01
DATE:	09/26/14

SHEET NUMBER:
7

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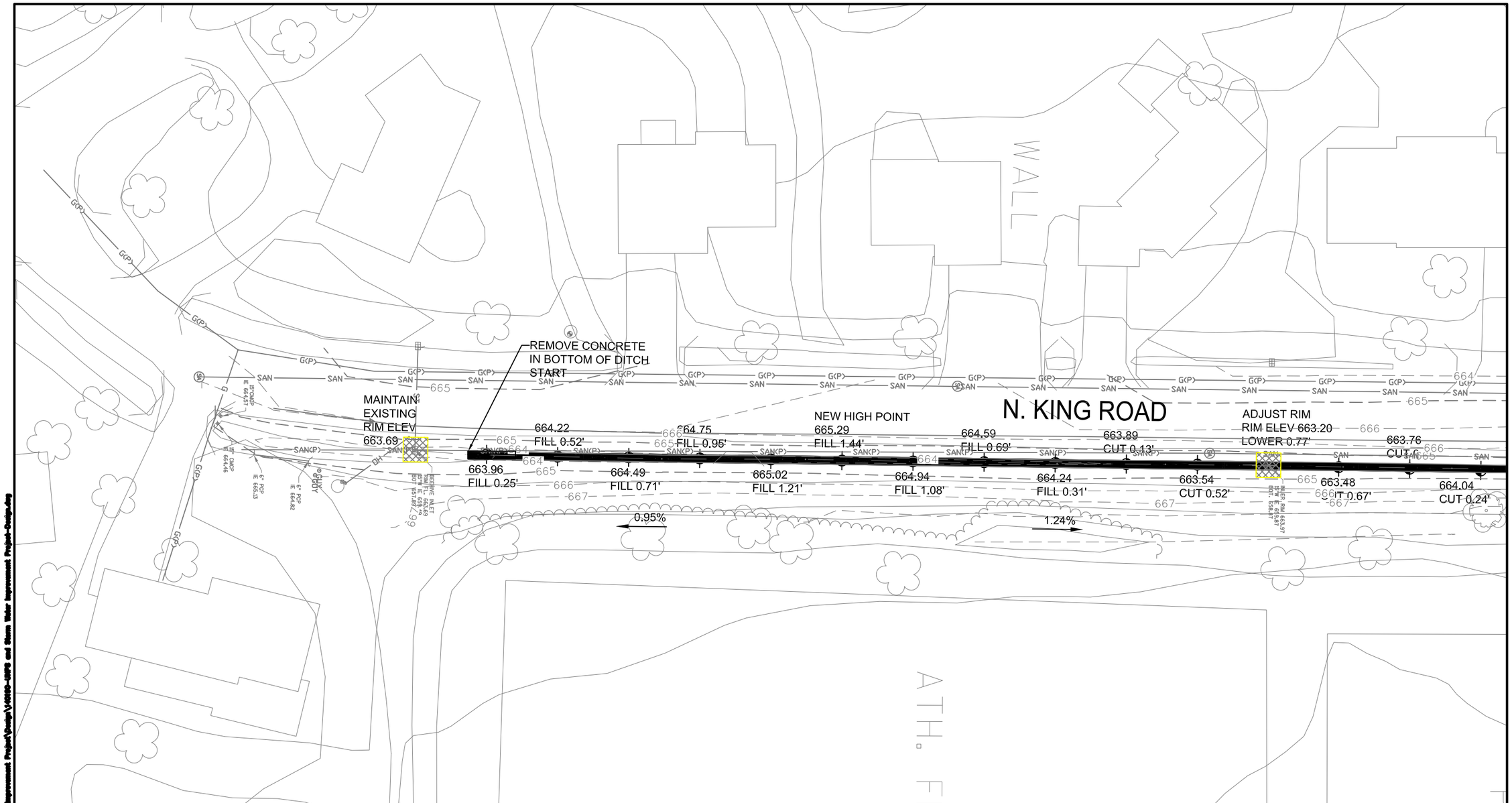


LEGEND

658.37 PROPOSED SPOT GRADE

CONCRETE IN DITCH BOTTOM TO BE REMOVED

INLET PROTECTION

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
7711 N. PORT WASHINGTON ROAD
MILWAUKEE, WISCONSIN 53217
Phone: 414.351.6668 Fax: 414.351.4117
www.kapurengineers.com

PROJECT:
UNPS AND STORM WATER IMPROVEMENT PROJECT

LOCATION:
VILLAGE OF BAYSIDE, WISCONSIN

CLIENT:
BAYSIDE

RELEASE:
BID SET

REVISIONS:

#	DATE	DESCRIPTION
1	05/12/14	PRELIMINARY
2	09/26/14	BID SET

NORTH ARROW:

SCALE: 1" = 20'

0 20' 40'

IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

SEAL:

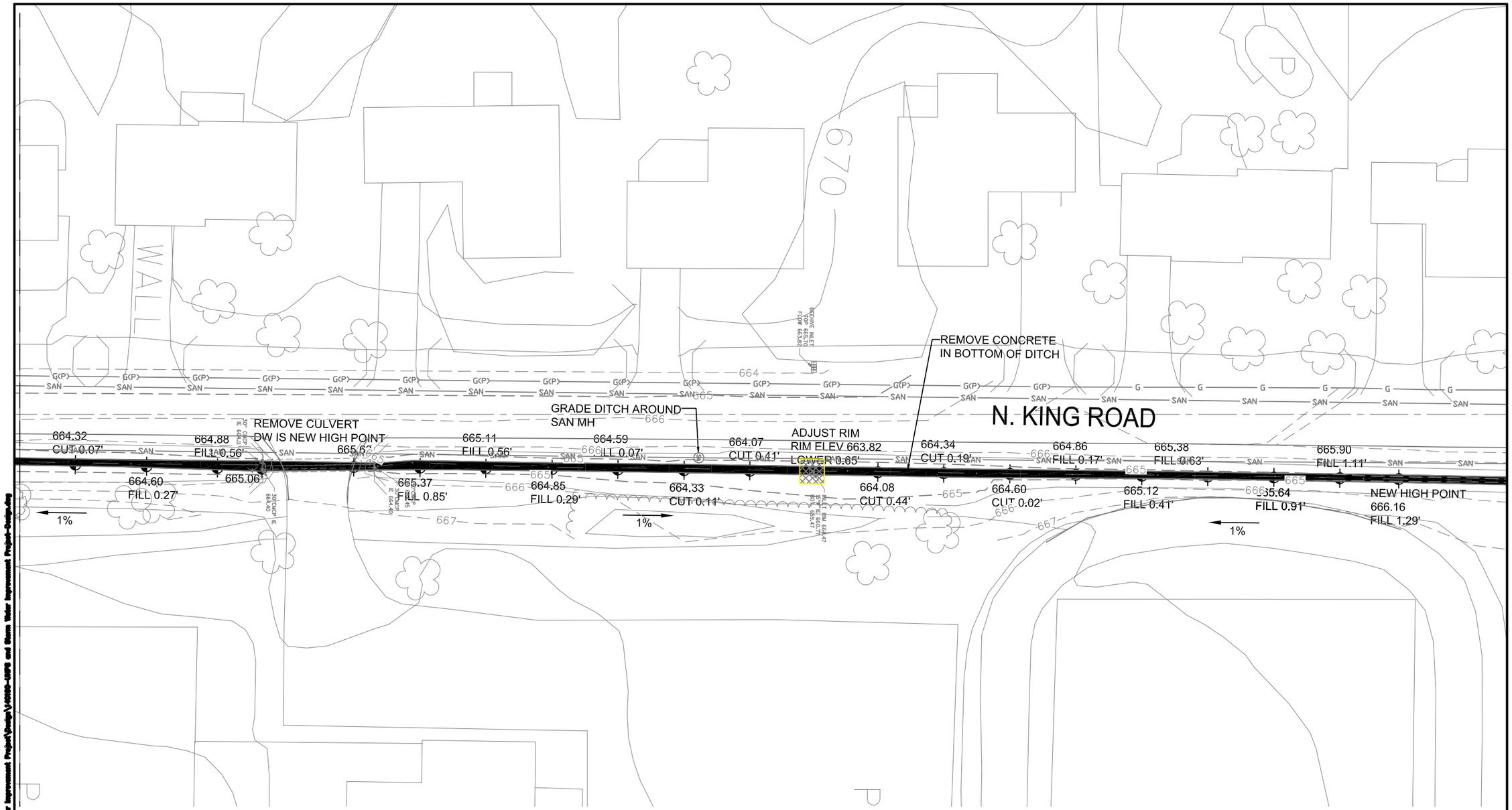
we listen. we innovate. we turn your vision into reality.

SHEET:
DITCH RE-GRADING PLAN VIEW

PROJECT MANAGER: YA
PROJECT NUMBER: 14.0190.01
DATE: 09/26/14

SHEET NUMBER:
8

FILENAME: S:\Villa_Ex\Projects\gov\V14019- Phase 1- UNPS and Storm Water Improvement Project\Design\V14019-UNPS and Storm Water Improvement



LEGEND

658.37 PROPOSED SPOT GRADE

CONCRETE IN DITCH BOTTOM TO BE REMOVED

INLET PROTECTION

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
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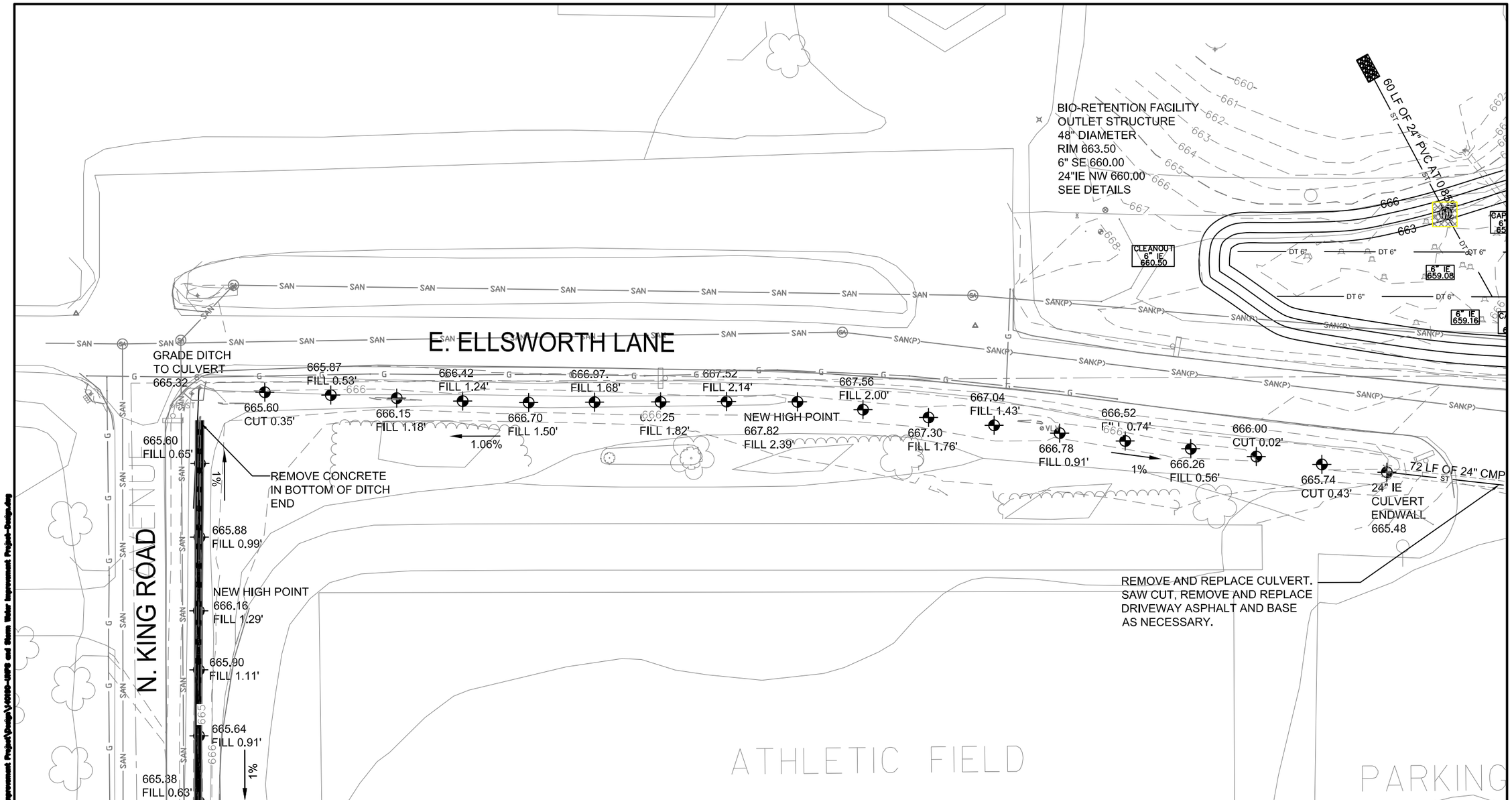
DATE:	09/26/14

SHEET NUMBER:
9

FILENAME: S:\Villa_Dr\Projects\GOV\V0190- Phase 1- UNPS and Storm Water Improvement Project\Design\V0190-UNPS and Storm Water Improvement Project-Design.dwg



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PROJECT MANAGER: YA
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DATE: 09/26/14

SHEET NUMBER:
10

24" CULVERT ENDWALL
WITH RIP RAP
24" IE N 659.50

60 LF OF 24" PVC AT 0.85%

BIO-RETENTION FACILITY
OUTLET STRUCTURE
48" DIAMETER
RIM 663.50
6" SE 660.00
24"IE NW 660.00
SEE DETAILS

24" CULVERT ENDWALL
WITH RIP RAP
24" IE N 664.32

REMOVE CULVERT.
SAW CUT, REMOVE AND REPLACE
ASPHALT AND BASE
AS NECESSARY.

REPLACE INLET GRATE WITH
SOLID LID. GRADE TERRAIN FROM
INLET TO BIO-RETENTION FACILITY.
BULK HEAD EXISTING CULVERT TO
THE SOUTHEAST.

SAW CUT, REMOVE AND REPLACE,
ASPHALT AND BASE, AS NECESSARY TO
INSTALL CULVERT.

90 LF OF 24" CMP AT 0.42%

72 LF OF 24" CMP AT 0.42%

CLEANOUT
6" IE
660.50

CAP END
6" IE
659.21

6" IE
659.08

6" IE
659.16

CAP END
6" IE
659.24

DT 6"

E. ELLSWORTH LANE

666.97,
FILL 1.68'

667.52
FILL 2.14'

667.56
FILL 2.00'

667.04
FILL 1.43'

666.52
FILL 0.74'

666.00
CUT 0.02'

666.25
FILL 1.82'

NEW HIGH POINT
667.82
FILL 2.39'

667.30
FILL 1.76'

666.78
FILL 0.91'

1%

666.26
FILL 0.56'

665.74
CUT 0.43'

24" IE
CULVERT
ENDWALL
665.48

24" IE
CULVERT END
WALL
665.18

24" IE
CULVERT
ENDWALL
664.62

REMOVE AND REPLACE CULVERT.
SAW CUT, REMOVE AND REPLACE
DRIVEWAY ASPHALT AND BASE
AS NECESSARY.

REMOVE TREES AND BUSHES
AS NECESSARY TO GET DITCH TO
DRAIN EAST TO CULVERT.

LEGEND

658.37 PROPOSED SPOT GRADE

CONCRETE IN DITCH BOTTOM
TO BE REMOVED

INLET PROTECTION

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BIO_RETENTION FACILITY AND DITCH RE-GRADING PLAN VIEW

PROJECT MANAGER: YA
PROJECT NUMBER: 14.0190.01
DATE: 09/26/14

SHEET NUMBER:
11

FILENAME: S:\Wm_Co\Projects\V2014\V4090- Phase 1- UNPS and Storm Water Improvement Project\Design\Arch