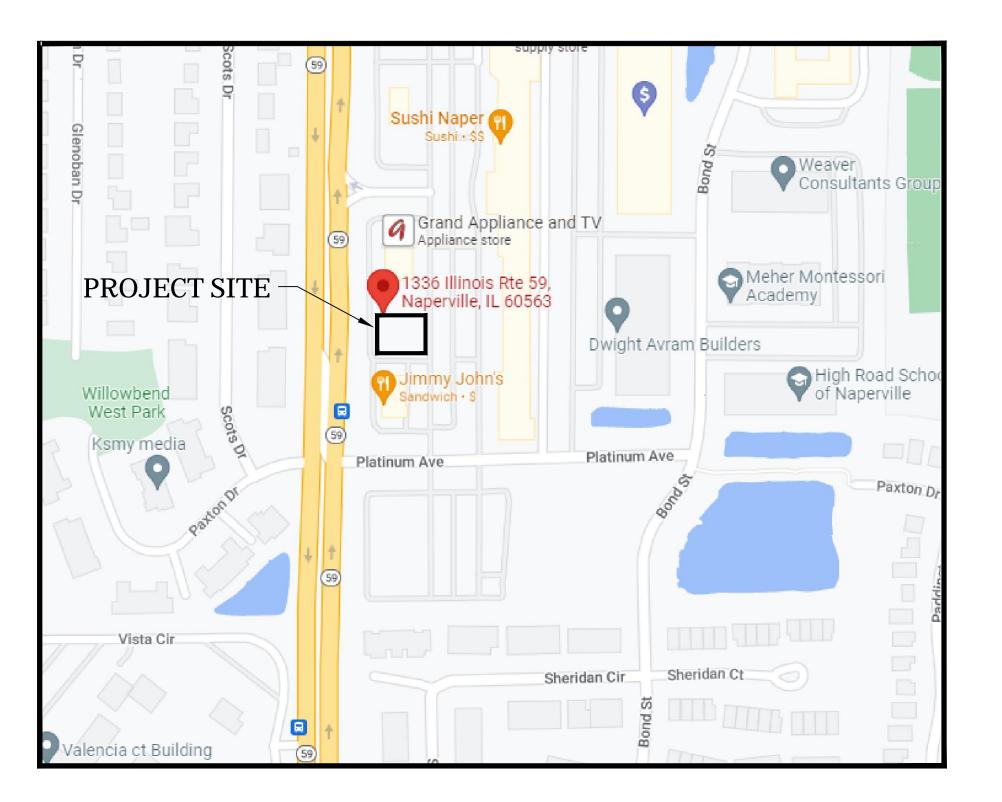
# SITE IMPROVEMENT PLANS POR POINTE

1336 ILLINOIS ROUTE 59, NAPERVILLE, ILLINOIS 60563

## COVER





## SITE LOCATION MAP

NO SCALE

## LEGAL DESCRIPTION:

PARCEL 1:

LOT D IN DESIGN POINTE, BEING A SUBDIVISION PART OF SECTION 10, TOWNSHIP 38 NORTH, RANGE 9, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 27. 2006 AS DOCUMENT NUMBER R2006-055549, IN DUPAGE COUNTY, ILLINOIS. EXCEPTING THEREFROM THE FOLLOWING AS DISCLOSED BY CASE 2012ED 76: THAT PART OF LOTS D AND E IN DESIGN POINTE, BEING A SUBDIVISION OF PART OF SECTION 10, TOWNSHIP 38 NORTH; RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED- MARCH 27, 2008, AS DOCUMENT NUMBER R2006-055549, IN DUPAGE COUNTY, ILLINOIS, DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT E; THENCE NORTH 00 DEGREES 20 MINUTES 24 SECONDS EAST, SAID BEARING BASED ON THE ILLINOIS STATES PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2007) ALONG THE WEST LINE OF SAID LOTS D AND E A DISTANCE OF 383.55 FEET TO THE NORTHWEST CORNER OF SAID LOT D; THENCE SOUTH 89 DEGREES 38 MINUTES 36 SECONDS EAST ALONG THE NORTH LINE OF SAID LOT D 12.80 FEET; THENCE SOUTH 00 DEGREES 21 MINUTES 34 SECONDS WEST 142.42 FEET TO A CURVE; THENCE SOUTHERLY ALONG A CURVE TO THE RIGHT; HAVING A RADIUS OF 7,131.09 FEET, HAVING A CHORD BEARING SOUTH 00 DEGREES 30 MINUTES 00 SECONDS WEST, HAVING A CHORD LENGTH OF 35.04 FEET FOR A DISTANCE OF 35.04 FEET TO THE SOUTH LINE OF SAID LOT D; THENCE NORTH 89 DEGREES 38 MINUTES 36 SECONDS WEST ALONG THE SOUTH LINE OF SAID LOT D 5.00 FEET TO A CURVE; THENCE SOUTHERLY ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 7,126.09 FEET, HAVING A CHORD BEARING SOUTH 0.1 DEGREE 23 MINUTES 23 SECONDS WEST, HAVING A CHORD LENGTH OF 188.23 FEET FOR A DISTANCE OF 188.24 FEET TO A POINT OF TANGENCY; THENCE SOUTH 02 DEGREES 08 MINUTES 18 SECONDS WEST 19.79 FEET TO THE SOUTH LINE OF SAID LOT E; THENCE SOUTH 88 DEGREES 32 MINUTES 42 SECONDS WEST ALONG SAID SOUTH LINE OF LOT E 3.62 FEET TO THE PLACE OF BEGINNING.

NON-EXCLUSIVE PERPETUAL EASEMENT FOR THE PASSAGE AND PARKING OF VEHICLES OVER AND ACROSS THE PARKING AND DRIVEWAY AREAS AND FOR THE PASSAGE AND ACCOMMODATION OF PEDESTRIANS OVER AND ACROSS THE PARKING, DRIVEWAY AND SIDEWALK AREAS, AND ALSO NON-EXCLUSIVE PERPETUAL EASEMENTS IN, TO OVER, UNDER ALONG AND ACROSS THOSE PORTIONS OF THE COMMON AREAS LOCATED ON THE DEVELOPER'S TRACT DESCRIBED AS EXHIBIT A, FOR THE INSTALLATION, OPERATION, FLOW, PASSAGE, USE, MAINTENANCE, CONNECTION, REPAIR, RELOCATION AND REMOVAL OF UTILITY LINES, INCLUDING BUT NOT LIMITED TO, SANITARY SEWERS, STORM DRAINS, AND WATER (FIRE AND DOMESTIC), GAS, ELECTRICAL, TELEPHONE, CABLE TV, DATA TRANSMISSION AND OTHER COMMUNICATION LINES, CONTAINED IN THE DECLARATION OF CONDITIONS, COVENANTS AND RESTRICTIONS OF DESIGN POINTE NAPERVILLE, ILLINOIS DATED AUGUST 30, 2006 AND RECORDED OCTOBER 2, 2007 AS DOCUMENT R2007180853.

LAND TOTAL AREA: 27,380 SQ.FT. = 0.629 ACRES.

COMMONLY KNOWN AS: 1336 ILLINOIS ROUTE 59, NAPERVILLE, ILLINOIS.

PERMANENT INDEX NUMBER: 07-10-314-008-0000

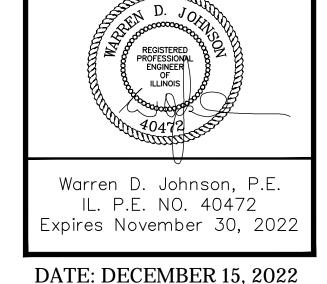
WARNING
CALL JULIE TOLL FREE
OPERATES 24 HOURS A
DAY 365 DAYS A YEAR



CALL 811

48 HOURS BEFORE

YOU DIG



DESIGN SQUARE QUANTITIES	
SILT FENCING	658.00 L.F.
INLET PROTECTION	6 EA.
NEW SIDEWALK	3,415.00 S.F.
CURB REMOVE & REPLACE	440.00 L.F.
PAVEMENT MILL, RESHAPE & OVERLAY_	8,920.00 S.F.
PATIO DRAIN (STORM)	1 EA.
CLEANOUTS (STORM)	3 EA.
6" ROOF/PATIO DRAIN LINE (STORM)	146.00 L.F.
6" D.I.P. WATERMAIN	100 L.F.
INSPECTION MANHOLE	1 EA.
SANITARY CLEAN OUT	1 EA.
6" P.V.C. SANITARY SEWER	9 L.F.
PAVEMENT STRIPING :	660.00 L.F.
FIRE DEPT. CONNECTION	1 EA.

CLIENT:

NITA ESTATES, LLC 3804 NANNYBERRY COURT NAPERVILLE, ILLINOIS 60564

ENGINEER:

DJA DAVE JOHNSON

CIVIL ENGINEER & SURVEYOR

DAVE JOHNSON

1568 Holiday Drive, Sandwich, IL 60548
ph. 630 752 8600 fax. 630 752 9556
www.DJAonline.net

## INDEX TO DRAWINGS

- 0. COVER SHEET
- 1. EXISTING CONDITIONS & DEMO PLAN
- 2. GEOMETRIC & STRIPING PLAN
- 3. GRADING PLAN
- 4. UTILITY PLAN
- 5. EROSION CONTROL PLAN
- 6. EROSION CONTROL DETAILS & NOTES
- 7. CITY OF NAPERVILLE STANDARD DETAILS 8. CITY OF NAPERVILLE STANDARD DETAILS
- 9. GENERAL NOTES
- 10. GENERAL NOTES & SPECIFICATIONS

#### LEGEND

	CURB & GUTTER	
	WATER MAIN	ww
······	STORM SEWER	<del>"</del> "
$\rightarrow$ $\rightarrow$	SANITARY SEWER	<b>→</b> —
	STORM MANHOLE	
	SANITARY MANHOLE	$\odot$
	CATCHBASIN	•
	INLET	
	VALVE & VAULT	<b>③</b>
$\otimes$	VALVE & BOX	•
8	BUFFALO BOX	•
Q	FIRE HYDRANT	•
	FLARED END SECTION	
$\oplus$	HANDICAPPED RAMP	$oldsymbol{\Theta}$
+721.00	SPOT ELEVATION	+ <sup>721.00</sup>
721	CONTOUR	721
$\Longrightarrow$	DRAINAGE FLOW	$\Longrightarrow$
	CULVERT	
	CONCRETE MONUMENT	
(21)	PARKING SPACE COUNT	(21)
$\wedge$	SURVEY CONTROL POINT	
	ELECTRIC METER	
	ELECTRIC TRANSFORMER	
X	LIGHT STANDARD	¤
$\Diamond \longrightarrow \boxtimes$	STREET LIGHT	$\;\; \longleftrightarrow \;\; $
<b>\$</b>	TRAFFIC LIGHT	<b>\$</b>
Ø	POWER POLE	Ø
	SIGN	Ф
	TREE	$\odot$
⊗ G	GAS METER	⊗ G
	GAS VALVE	D
-888	FENCE	
—— UE	BURIED UTILITY LINE	UEUE
OE OE	OVERHEAD UTILITY LINE	OEOE

## REFERENCE BENCHMARK:

CITY OF NAPERVILLE SURVEY MONUMENT #626
BERNSTEN 3D TOP SECURITY MONUMENT CONSISTING OF A 9/16" DIA.
STAINLESS STEEL DATUM POINT ON THREADED 9/16" x 4' LONG ROD
TOTALING (8') IN LENGTH WITH GREASED TOP SECURITY SLEEVE
ENCLOSED IN SAND AND 6" PVC PIPE WITH BMAC 6 ALUMINUM ACCESS
COVER. DATUM=(N.A.V.D.) ELEVATION=705.82

#### SITE BENCHMARK:

CROSS NOTCH IN TOP OF EXISTING CURB LOCATED APPROXIMATELY 49 FEET EAST OF THE NORTHEAST CORNER OF SITE. ELEVATION=712.10 (N.A.V.D.)

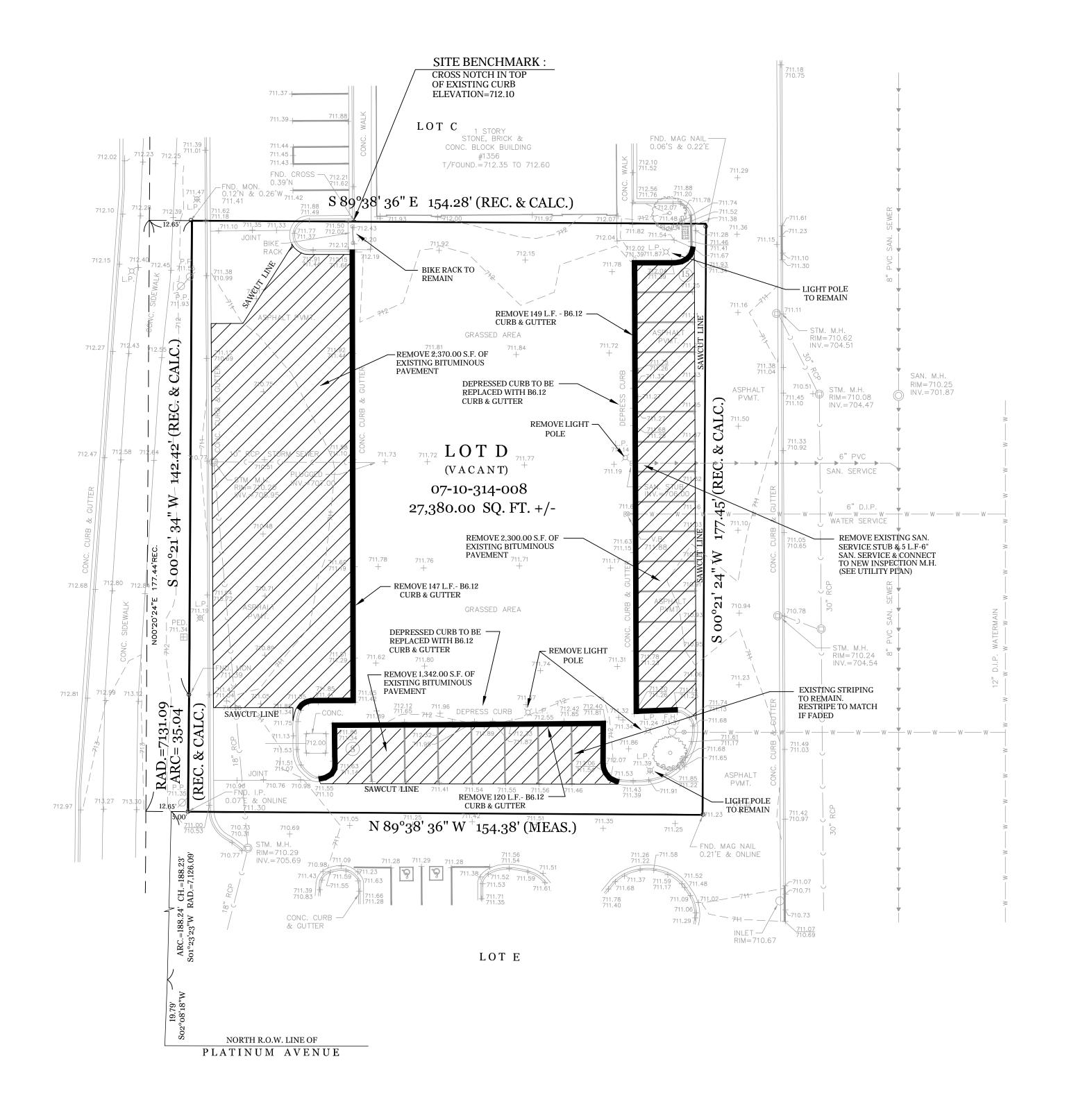
FIRST SUBMITTAL : 10-01-22 SECOND SUBMITTAL : 12-15-22 THIRD SUBMITTAL : 02-06-23

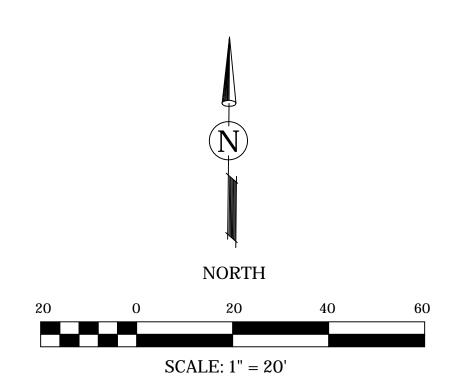
SHT. 0 OF 10

# SITE IMPROVEMENT PLANS FOR POINTE

1336 ILLINOIS ROUTE 59, NAPERVILLE, ILLINOIS 60563

## **EXISTING CONDITIONS & DEMOLITION PLAN**





G	LEGEND	PROPOS
	CURB & GUTTER	
- W	WATER MAIN	w
	STORM SEWER	)——)—
$\longrightarrow$	SANITARY SEWER	<b>→</b> -
	STORM MANHOLE	
	SANITARY MANHOLE	•
	CATCHBASIN	•
	INLET	
	VALVE & VAULT	<b>③</b>
	VALVE & BOX	•
	BUFFALO BOX	•
	FIRE HYDRANT	•
	FLARED END SECTION	
	HANDICAPPED RAMP	$oldsymbol{\Theta}$
00	SPOT ELEVATION	+721.00
	CONTOUR	721_
>	DRAINAGE FLOW	$\Longrightarrow$
==	CULVERT	
	CONCRETE MONUMENT	•
	PARKING SPACE COUNT	21
	SURVEY CONTROL POINT	$\triangle$
	ELECTRIC METER	
	ELECTRIC TRANSFORMER	Δ
	LIGHT STANDARD	¤
(	STREET LIGHT	$\leftarrow \!$
>	TRAFFIC LIGHT	ф <b>—</b> С
	POWER POLE	Ø
	SIGN	ㅁ
	TREE	$\odot$
	GAS METER	⊗ G
	GAS VALVE	Ø
	FENCE	-8-8-8-
UE	BURIED UTILITY LINE	——UE———U
OE	OVERHEAD UTILITY LINE	OEO

#### NOTES:

- 1. EXISTING CONDITIONS SURVEY IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY DAVE JOHNSON & ASSOCIATES, LTD.
- 2. LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL PUBLIC AND PRIVATE UTILITY OWNERS AND JULIE TO VERIFY UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING WORK.
- 3. CONTRACTOR SHALL PROVIDE NECESSARY PROTECTION TO ALL
- EXISTING UTILITIES AND ROADWAYS.

  4. THE CITY OF NAPERVILLE SHALL BE NOTIFIED WHEN EXISTING FIELD DRAINAGE TILES ARE ENCOUNTERED DURING CONSTRUCTION REGARDLESS OF CONDITION OR FUNCTIONALITY. THE CITY OF NAPERVILLE SHALL HAVE FINAL APPROVAL OF ANY REPAIR, CONNECTION, ABANDONMENT OR OTHER METHODS FOR MITIGATING

#### DEMOLITION LEGEND



BITUMINOUS PAVEMENT REMOVAL 8,960.00 S.F.

EXISTING DRAINAGE TILE ENCOUNTERED ON SITE



STATE OF ILLINOIS) COUNTY OF DuPAGE) S.S.

I, WARREN D. JOHNSON, HEREBY CERTIFY THAT I HAVE SURVEYED THE ABOVE PROPERTY AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY.

DATED AT WHEATON, IL. THIS 1ST DAY OF SEPTEMBER, A.D. 2022.

ILLINOIS REGISTERED LAND SURVEYOR NO. 2971 EXPIRES NOVEMBER 30, 2022

REVISIONS:									
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTIO				
10-01-22	D.J.	PER REVIEW							
12-15-22	D.J.	PER REVIEW							
02-06-23	D.J.	PER REVIEW							

WARNING CALL JULIE TOLL FREE

OPERATES 24 HOURS A DAY 365 DAYS A YEAR

Know what's below.

CALL 811 48 HOURS BEFORE YOU DIG 6

0

DATE: 10-01-22

DATE: 10-01-22

DATE: 10-01-22

DAVE 3

WDJ

E JOHNSON

CIVIL ENGINEER & SURVEYOR

1568 Holiday Drive Sandwich, IL 60548
ph. 630 752 8600 fax. 630 752 9556
e-mail: DJA@DJAonline.net

NITA ESTATES, LLC 3804 NANNYBERRY COURT NAPERVILLE, ILLINOIS 60564 EXISTING CONDITIONS PLAN
DESIGN POINTE
1336 ILLINOIS ROUTE 59
NAPERVILLE, ILLINOIS 60563

SCALE: 1" = 20'

DATE: 10-01-22

JOB NO: 0000

SHEET 1 OF 10

SITE DATA TABLE SITE AREA: 27,380.00 S.F.

EXISTING IMPERVIOUS AREA CONCRETE SIDEWALK & PAD: 217.00 S.F. BITUMINOUS PAVEMENT: 11,909.00 S.F. CURB & GUTTER:  $715 \text{ L.F. } \times 1.50' = 1,072.50 \text{ S.F}$ 

TOTAL: 13,198.50 S.F.

PARKING STALL DATA EXISTING REG. STALLS: 23 EA.

PROPOSED NEW IMPERVIOUS AREA BUILDING: 8,899.00 S.F. CONCRETE SIDEWALK & PATIO: 3,415.00 S.F.

PARKING STALL DATA

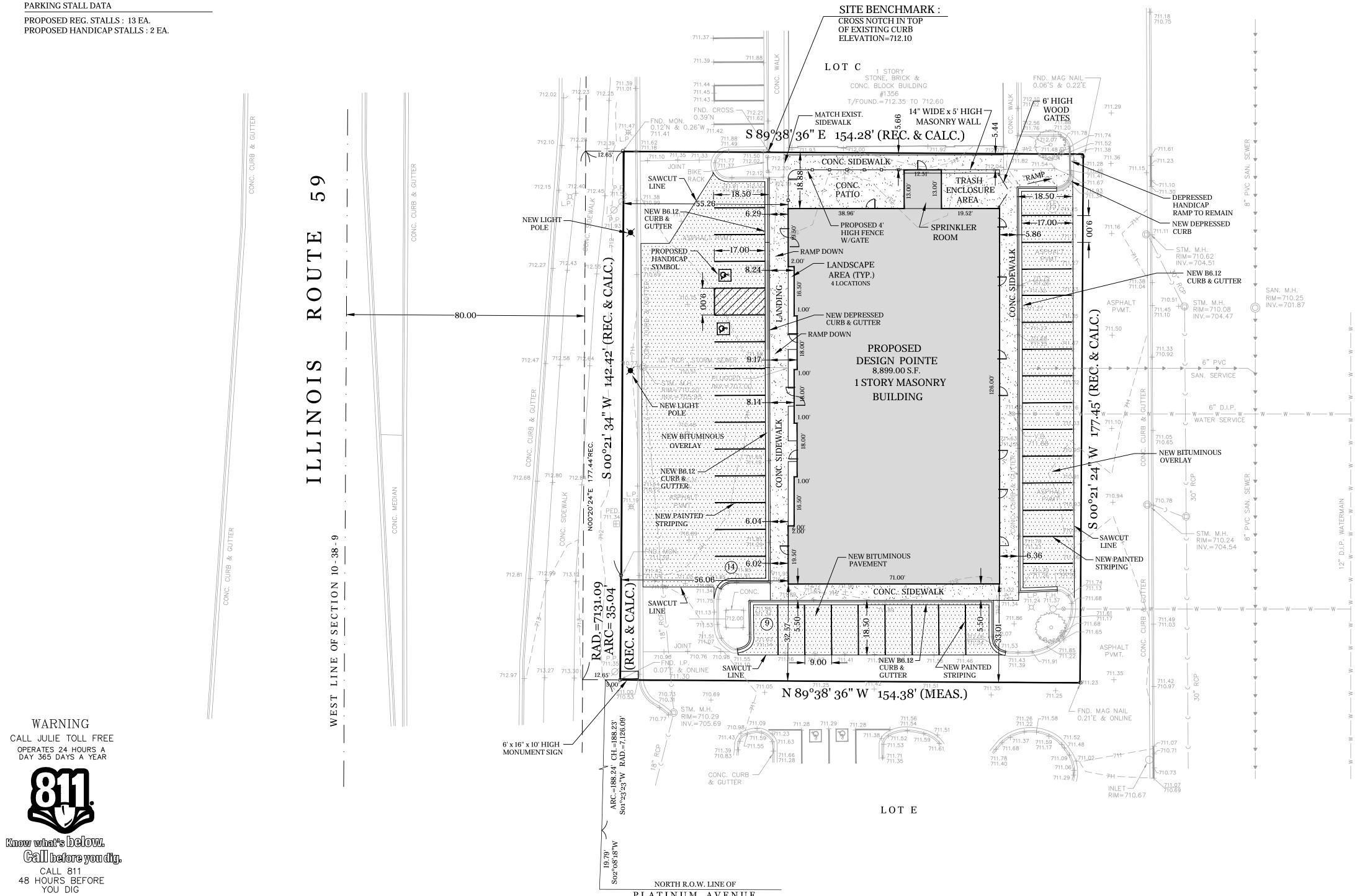
TOTAL: 12,314.00 S.F.

PROPOSED REG. STALLS: 13 EA. PROPOSED HANDICAP STALLS : 2 EA.

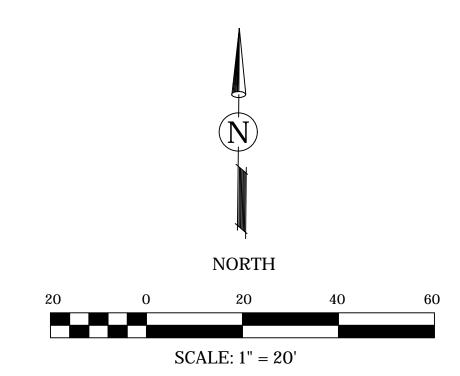
# SITE IMPROVEMENT PLANS DESIGN POINTE

1336 ILLINOIS ROUTE 59, NAPERVILLE, ILLINOIS 60563

## GEOMETRIC & STRIPING PLAN



PLATINUM AVENUE

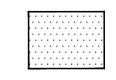


EXISTING	LEGEND	PROPOS
	CURB & GUTTER	
- W W	WATER MAIN	w
——>———	STORM SEWER	·
$\longrightarrow$	SANITARY SEWER	<b>→</b> -
	STORM MANHOLE	
$\odot$	SANITARY MANHOLE	$\odot$
$\bigcirc$	CATCHBASIN	•
	INLET	
$\otimes$	VALVE & VAULT	<b>③</b>
$\otimes$	VALVE & BOX	•
8	BUFFALO BOX	•
$\mathcal{L}$	FIRE HYDRANT	
	FLARED END SECTION	
$\oplus$	HANDICAPPED RAMP	$\Theta$
+721.00	SPOT ELEVATION	+721.00
721	CONTOUR	<del></del>
$\Longrightarrow$	DRAINAGE FLOW	$\Longrightarrow$
=====	CULVERT	
=	CONCRETE MONUMENT	-
21)	PARKING SPACE COUNT	21)
$\wedge$	SURVEY CONTROL POINT	$\triangle$
	ELECTRIC METER	_
$\triangle$	ELECTRIC TRANSFORMER	Δ
×	LIGHT STANDARD	¤
$\hspace{-2cm} \hspace{-2cm} -2$	STREET LIGHT	$\leftrightarrow $
<b>\$</b>	TRAFFIC LIGHT	ф <b>—</b> С
Ø	POWER POLE	Ø
	SIGN	<u>~</u>
$\odot$	TREE	$\odot$
⊗ G	GAS METER	⊗ G
	GAS VALVE	Ø
<del></del>	FENCE	
JEUE	BURIED UTILITY LINE	UEU
OF	OVERHEAD UTILITY LINE	— 0E—— 0

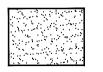
#### NOTES:

- 1. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED BUILDING DETAIL AND DIMENSIONS. BUILDING FOOTPRINTS SHOWN FOR FOR REFERENCE PURPOSES ONLY.
- 2. DIMENSIONS TO CURB LINES ARE TO BACK OF CURB. 3. UNLESS OTHERWISE NOTED, ALL PAVEMENT MARKINGS SHALL BE 4 INCH WIDE IDOT STANDARD PAINTED YELLOW, DIAGONAL MARKINGS SHALL BE 2 FOOT ON CENTER.
- 4. SIDEWALKS INTERSECTING CURB LINES SHALL BE CONSTRUCTED WITH DEPRESSED CURBS, ADA RAMPS AND DETECTABLE WARNING SURFACE. WORK SHALL BE IN ACCORDANCE WITH THE ILLINOIS ACCESSIBILITY
- 5. ADA PARKING SPACES AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE ILLINOIS ACCESSIBILITY CODE
- 6. PROVIDE A FULL DEPTH SAW CUT FOR ALL CURB, PAVEMENT, OR SIDEWALK TO BE REMOVED.
- 7. ALL TRAFFIC SIGNAGE SHALL CONFORM TO THE DEPARTMENT OF TRANSPORTATION MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES AND THE ILLINOIS ADMINISTRATIVE CODE, LATEST EDITIONS

#### PAVEMENT LEGEND

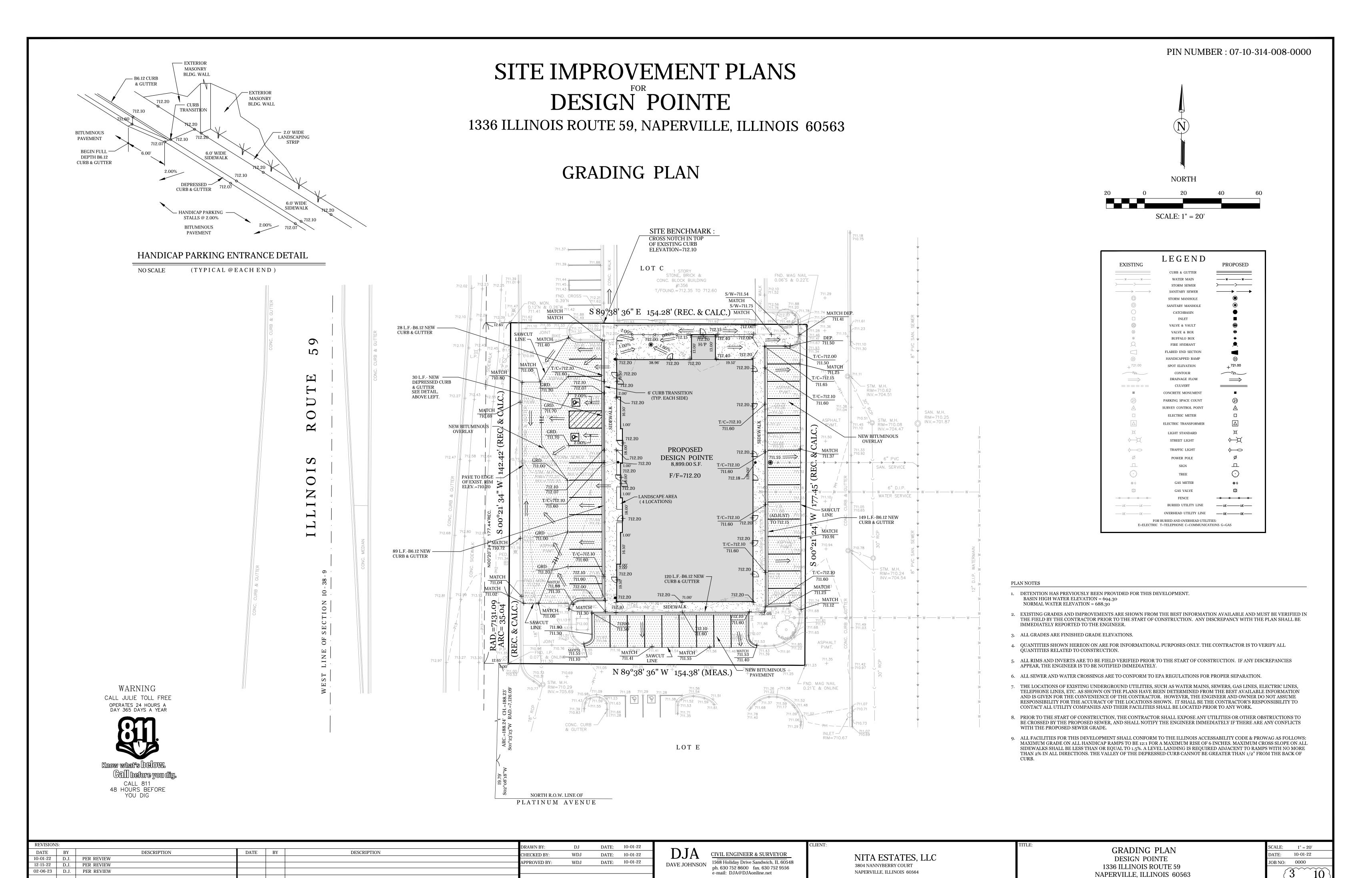


BITUMINOUS PAVEMENT 1.5" HMA SURFACE COURSE, MIX D. N50 2.5" HMA BINDER COURSE, IL19.0, N70 10" AGGREGATE BASE COURSE, TYPE B, CA-6



PORTLAND CEMENT CONCRETE SIDEWALK (4,000 PSI) 5" PORTLAND CEMENT CONCRETE 3" AGGREGATE BASE COURSE, TYPE B, CA-6

REVISIONS:				
DATE	BY			
10-01-22	D.J.			
12-15-22	D.J.			



# SITE IMPROVEMENT PLANS DESIGN POINTE

1336 ILLINOIS ROUTE 59, NAPERVILLE, ILLINOIS 60563

SITE BENCHMARK CROSS NOTCH IN TOP OF EXISTING CURB

STONE, BRICK &

CONNECTION FOR — FIRE DEPARTMENT

N 89°38′ 36" W 154.38′ (MEAS.)

LOT E

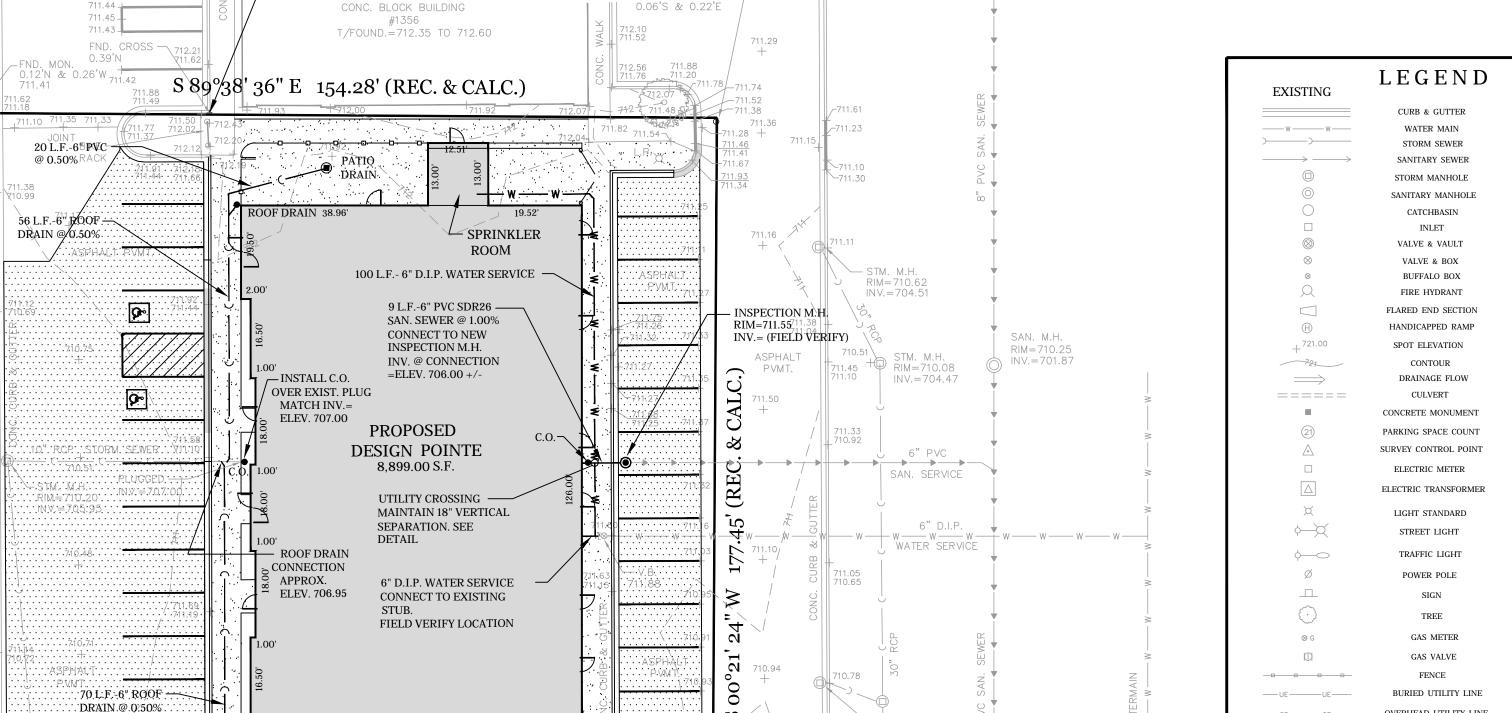
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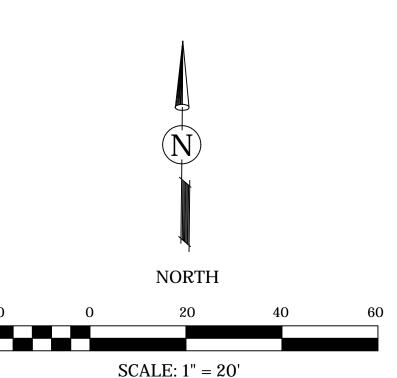
# UTILITY PLAN

TO BE INSTALLED BY NAPERVILLE ELECTRIC 711.39

NORTH R.O.W. LINE OF

PLATINUM AVENUE





EXISTING	LEGEND	PROPOSE
	CURB & GUTTER	
	WATER MAIN	ww-
	STORM SEWER	
	⇒ SANITARY SEWER	<b></b>
	STORM MANHOLE	
0	SANITARY MANHOLE	•
	CATCHBASIN	•
	INLET	
	VALVE & VAULT	•
$\otimes$	VALVE & BOX	•
$\otimes$	BUFFALO BOX	•
Q	FIRE HYDRANT	<b>_</b>
	FLARED END SECTION	
$\oplus$	HANDICAPPED RAMP	$\Theta$
+721.00	SPOT ELEVATION	+721.00
721	CONTOUR	721
$\Longrightarrow$	DRAINAGE FLOW	$\Longrightarrow$
=====	CULVERT	
=	CONCRETE MONUMENT	=
21)	PARKING SPACE COUNT	21
$\triangle$	SURVEY CONTROL POINT	
	ELECTRIC METER	
	ELECTRIC TRANSFORMER	Δ
×	LIGHT STANDARD	¤
$\hspace{-0.2cm} \hspace{-0.2cm} -0$	STREET LIGHT	$\qquad \qquad \longleftrightarrow \qquad \qquad \\$
<b>♦</b> —○	TRAFFIC LIGHT	$\Diamond$
Ø	POWER POLE	Ø
	SIGN	Ф
$\odot$	TREE	$\odot$
⊗ G	GAS METER	⊗ G
$\square$	GAS VALVE	Ø
<del></del>	FENCE	<del>-0 0 0</del>
— UEUE	BURIED UTILITY LINE	UEUE-
— OE ——— OE ——	— OVERHEAD UTILITY LINE	

WARNING CALL JULIE TOLL FREE



48 HOURS BEFORE

THE DPUE ENGINEER FOR THIS PROJECT IS GIOVANNI HERNANDEZ. PLEASE CONTACT HIM AT (630)-548-1212 WITH ANY QUESTIONS REGARDING THE ELECTRIC SERVICE.

DPU-E REQUIRES A MINIMUM 5' OF SEPARATION BETWEEN ITS ELECTRIC FACILITIES AND ANY FIRE HYDRANTS STORM DRAINS, STORM SEWERS, WATER MAINS, GAS MAINS, ETC. THAT RUN PARALLEL TO ITS FACILITIES.

CLEARANCE TO TRANSFORMER PAD SHALL BE 5' FROM ALL SIDES, 10' FROM FRONT, AND THE AREA ABOVE MUST BE COMPLETELY CLEAR OF OBSTRUCTION. NO TREES, SHRUBS, OR OTHER OBSTACLES WILL BE ALLOWEI WITHIN THIS AREA. TRANSFORMER PAD SHALL MAINTAIN MINIMUM CLEARANCE OF 20' FROM EGRESS POINTS. PER DPUE SPECIFICATIONS C10-2130 AND C30-0016.

THE TRANSFORMER MUST BE SHOWN ON THE SITE PLAN AND SHOULD BE LOCATED BETWEEN 8' AND 50' FROM DISCONNECT MUST BE FREE STANDING AND LOCATED BETWEEN 10' AND 15' OF THE TRANSFORMER. THE INSTRUMENT TRANSFORMERS AND MAIN DISCONNECT MAY BE INSTALLED INSIDE THE BUILDING IF THE SERVICE ENTRANCE CAPACITY IS 1200 AMPS OR GREATER. METERS SHALL BE INSTALLED ON THE BUILDING EXTERIOR

DPUE WILL PROVIDE. INSTALL. AND MAINTAIN THE TRANSFORMERS. ALL PRIMARY (15KV) CABLE AND CONDUIT TRANSFORMERS ONCE THE INSPECTION IS COMPLETE AND THE BUILDING IS READY TO BE ENERGIZED THE DEVELOPER IS RESPONSIBLE FOR PROVIDING. INSTALLING. AND MAINTAINING THE TRANSFORMER PAD/VAULT. ALL SERVICE LATERAL (480V) CABLE AND CONDUIT, THE SERVICE ENTRANCE EQUIPMENT INCLUDING THE CT/METER CABINET AND ALL BANKED METER SOCKETS.

LABEL ALL METER SOCKETS WITH THE COMPLETE ADDRESS IN 1" LETTERS USING PERMANENT STICKERS. IN MULTIPLE METER BANKS. THE COMPLETE ADDRESS MAY BE ON THE DISCONNECT SWITCH AND THE SUITE NUMBERS ON THE METER SOCKETS. THE ELECTRICAL SERVICE EQUIPMENT WILL NOT PASS INSPECTION WITHOUT APPROPRIATE ADDRESS LABELING.

APPROVAL OF METERING EQUIPMENT BY DPU-E DOES NOT REMOVE YOUR RESPONSIBILITY TO COMPLY WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF NAPERVILLE. DETERMINATION OF COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE WILL BE MADE BY THE TRANSPORTATION, ENGINEERING AND DEVELOPMENT DEPARTMENT.

AT ALL TIMES, THE CUSTOMER SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SUITABLE APPROACH TO THE METER LOCATION, WITH NO OBSTRUCTIONS WITHIN FOUR (4') FEET OF THE FRONT AND TWO (2') FEET OF THE SIDES OF THE METER. PER NAPERVILLE SERVICE RULES AND POLICIES 22.2.F.

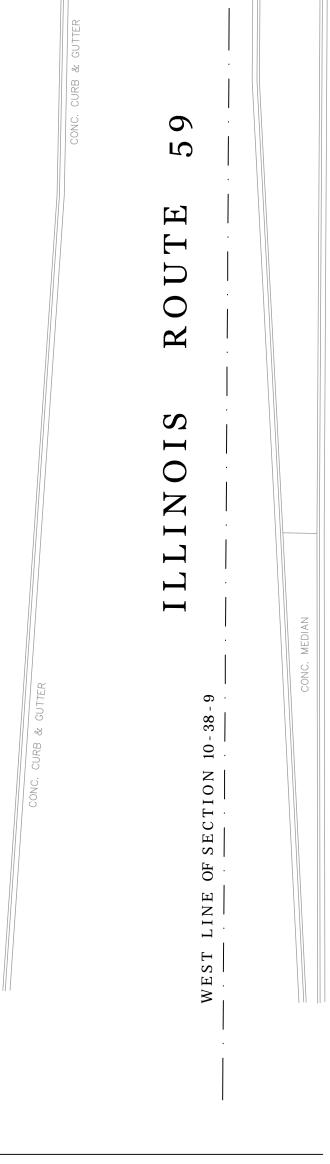
THE DEVELOPER SHALL SUPPLY THE DPU-E ENGINEER WITH CATALOG CUTS FOR ALL CT/METER EQUIPMENT (INCLUDING BUT NOT LIMITED TO METER SOCKETS, PT CABINET, CT CABINET, DISCONNECT CABINET) AND TRANSFORMER PAD/VAULT. THE CATALOG CUTS SHALL BE APPROVED BY DPU-E PRIOR TO PURCHASING.

#### THE CT/METER CABINET SHALL BE TOP FED.

CT/METER EQUIPMENT ARE LONG LEAD TIME ITEMS AND DPU-E SHALL NOT BE HELD RESPONSIBLE FOR DELAYS RESULTING FROM NON-COMPLIANT CT/METER EQUIPMENT.

PROVIDE NAME AND CONTACT INFORMATION FOR ELECTRICAL CONTRACTOR FOR THIS PROJECT.

ELECTRIC FACILITIES SHALL BE INSTALLED PURSUANT TO SECTION 8-1C-3 OF THE CITY OF NAPERVILLE MUNICIPAL CODE, WHICH REQUIRES A CONSTRUCTION FEE PAYMENT FOR INSTALLATION OF ELECTRIC FACILITIES.



- QUANTITIES SHOWN HEREON ON ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS TO VERIFY ALL QUANTITIES RELATED TO CONSTRUCTION.
- 2. ALL RIMS AND INVERTS ARE TO BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION. IF ANY DISCREPANCIES APPEAR, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.
- CONTRACTOR TO PROVIDE MINIMUM 18" SEPARATION AND O-RINGED GASKETED PIPE STORM SEWER BETWEEN ADJACENT MANHOLES. IN WATERMAIN CROSSINGS BENEATH SANITARY SEWER, THE CONTRACTOR TO PROVIDE MINIMUM 18" SEPARATION AND BOTH PIPES SHALL BE WATERMAIN QUALITY PIPE. IF THE LINES (STORM OR SANITARY AND WATER) CANNOT MEET THE HORIZONTAL OR VERTICAL SEPARATIONS, THEN BOTH THE SEWER AND WATER LINES SHALL BE WATERMAIN QUALITY PIPE. THE SEWER SHALL BE
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ELECTRIC LINES, TELEPHONE LINES, ETC. AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND THEIR FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK.
- 5. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL EXPOSE ANY UTILITIES OR OTHER OBSTRUCTIONS TO BE CROSSED BY THE PROPOSED SEWER, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THERE ARE ANY CONFLICTS WITH THE PROPOSED SEWER GRADE.
- 6. FOR ALL LIGHTING INFORMATION, PLEASE REFER TO THE APPROVED PHOTOMETRIC PLAN PREPARED BY OTHERS.

REVISIONS:							DJ	DATE:	10-01-22
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	CHECKED BY:	WDJ	DATE:	10-01-22
10-01-22	D.J.	PER REVIEW					WDJ		10-01-22
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02-06-23	D.J.	PER REVIEW				1			

CIVIL ENGINEER & SURVEYOR 1568 Holiday Drive Sandwich, IL 60548 ph. 630 752 8600 fax. 630 752 9556 e-mail: DJA@DJAonline.net

NITA ESTATES, LLC 3804 NANNYBERRY COURT NAPERVILLE, ILLINOIS 60564

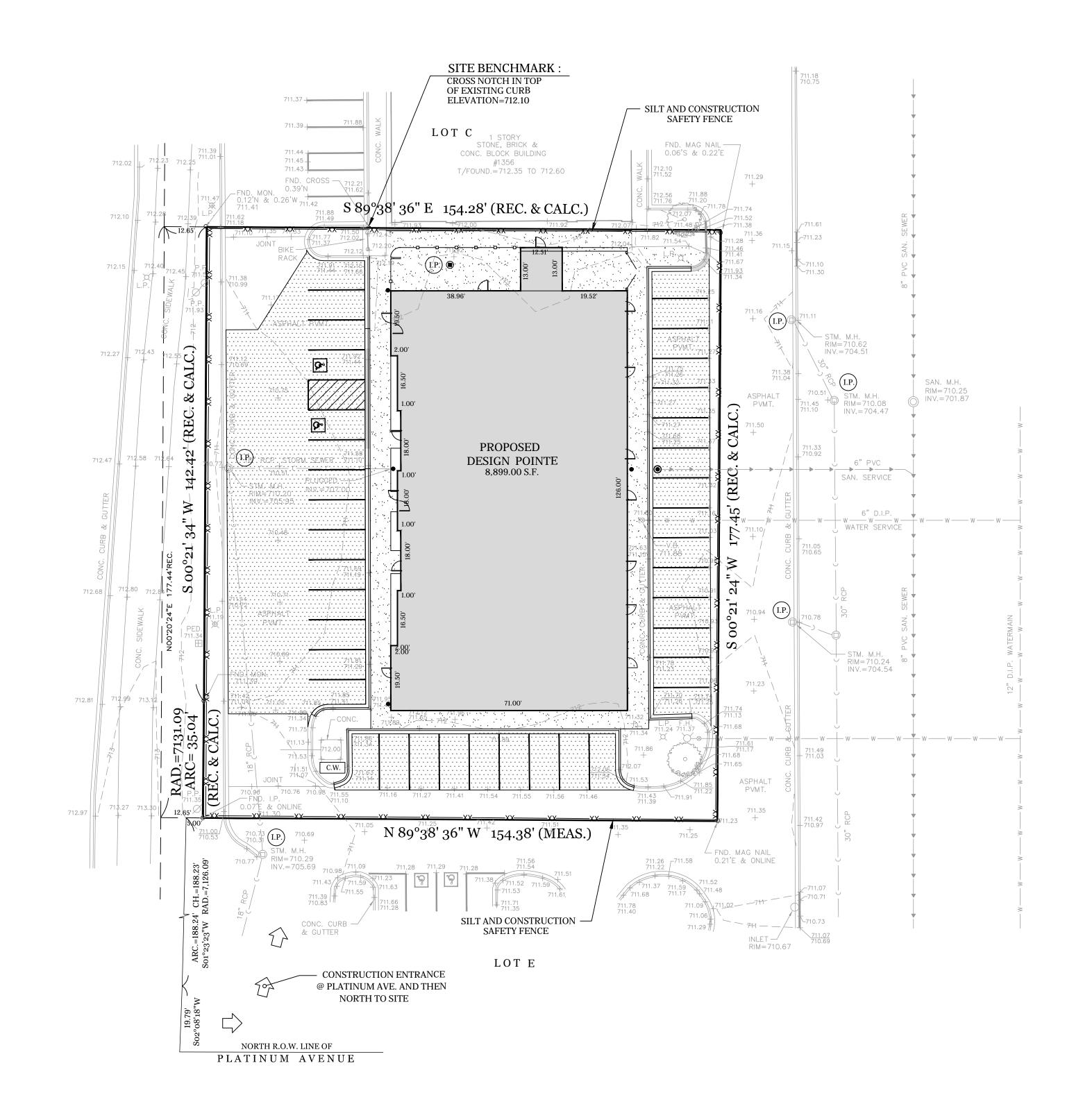
UTILITY PLAN DESIGN POINTE 1336 ILLINOIS ROUTE 59 NAPERVILLE, ILLINOIS 60563

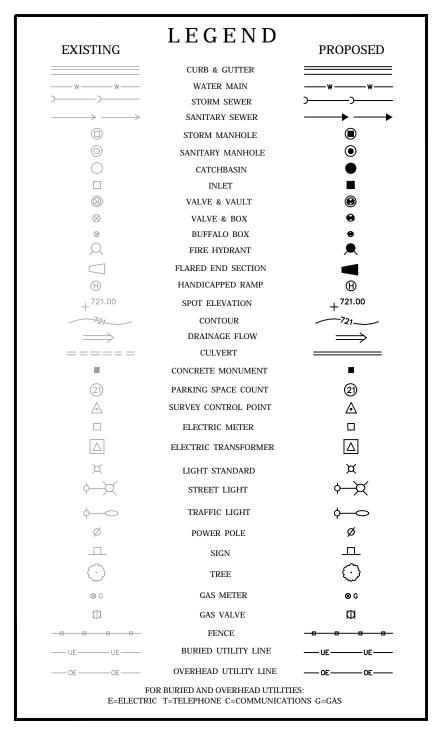
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# SITE IMPROVEMENT PLANS DESIGN POINTE

1336 ILLINOIS ROUTE 59, NAPERVILLE, ILLINOIS 60563

## EROSION CONTROL PLAN





CONCRETE WASHOUT

**INLET PROTECTION** 

#### GENERAL NOTES

- 1. THE SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL AND SEDIMENTATION CONTROL, PROCEDURES AND STANDARDS FOR URBAN SOIL AND SEDIMENTATION CONTROL IN ILLINOIS, AND THE CITY OF NAPERVILLE.
- 2. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL THE AREA HAS BEEN PROPERLY STABILIZED.
- 3. ALL OPEN LID DRAINAGE STRUCTURES LOCATED IN YARD AREAS WILL HAVE INLET PROTECTION DURING CONSTRUCTION, UNTIL SUCH A TIME THAT THE LANDSCAPING IS IN PLACE AND EFFECTIVELY PREVENTING POTENTIAL SILTATION OF THESE
- 4. INLET PROTECTION FOR OPEN LID DRAINAGE STRUCTURES CAN BE INSTALLED BY THE FOLLOWING OPTIONS:

PAVEMENT STRUCTURES: AS CATCH-ALL FILTER BASKETS

NON-PAVED AREAS:

- A. GRADE THE AREA WITHIN FOUR (4) FEET RADIUS AROUND STRUCTURES ONE (1) FOOT BELOW RIM TO SERVE AS SEDIMENTATION BASINS DURING CONSTRUCTION WITH A CATCH-ALL FILTER BASKET IN THE STRUCTURE
- B. INLET SEDIMENT TRAP
- 5. DURING THE COURSE OF CONSTRUCTION, THE CITY RESERVES THE RIGHT TO REQUEST AND OBTAIN, WITHIN REASON, ADDITIONAL EROSION AND SEDIMENTATION CONTROLS TO PROTECT THE PUBLIC HEALTH, SAFETY AND WELFARE.
- 6. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) AND UTILITY COMPANIES WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS.
- 7. FOR ALL LANDSCAPING INFORMATION, PLEASE REFER TO THE LANDSCAPE PLANS
- 8. CONTRACTOR TO MAINTAIN SITE SO THAT ALL ROADS ARE CLEAN AND CLEAR OF
- 9. ALL INLET PROTECTION SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THAT ALL INLET PROTECTION IS FUNCTIONING PROPERLY ON A WEEKLY BASIS OR AFTER 0.5 INCHES OF RAINFALL.

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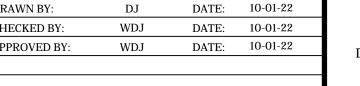
SCALE: 1" = 20'

WARNING

CALL JULIE TOLL FREE

OPERATES 24 HOURS A DAY 365 DAYS A YEAR

CALL 811 48 HOURS BEFORE YOU DIG



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NITA ESTATES, LLC 3804 NANNYBERRY COURT NAPERVILLE, ILLINOIS 60564

EROSION CONTROL PLAN DESIGN POINTE 1336 ILLINOIS ROUTE 59 NAPERVILLE, ILLINOIS 60563

DATE: 10-01-22 JOB NO: 0000

#### STORMWATER POLLUTION PREVENTION PLAN

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF NPDES GENERAL PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM

THE PERMITEE MUST COMPLY WITH ALL CONDITIONS OF THE GENERAL PERMIT. ANY PERMIT NON-COMPLIANCE CONSTITUTES A VIOLATION OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT AND THE CLEAN WATER ACT AND IS GROUNDS FOR ENFORCEMENT ACTION; FOR PERMIT TERMINATION, REVOCATION AND REISSUANCE, OR MODIFICATION, OR FOR DENIAL OF A PERMIT RENEWAL APPLICATION.

#### 1. <u>SITE DESCRIPTION</u>

- A. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS
- GRADING (EXCAVATION AND FILL)
- LINDERGROUND CONSTRUCTION
- PAVING BUILDING CONSTRUCTION
- LANDSCAPING B. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL
- DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE: 1) EROSION AND SEDIMENTATION CONTROL MEASURES SUCH AS SILT FENCE, DITCH CHECKS, CONSTRUCTION ENTRANCE, AND FENCING TO PROTECT VEGETATIVE BUFFERS (EARTHWORK
- 2) TOPSOIL STRIPPING, EXCAVATION AND FILL (EARTHWORK CONTRACTOR)
- 3) UNDERGROUND UTILITY CONSTRUCTION INCLUDING INLET CONTROL MEASURES (UNDERGROUND CONTRACTOR)
- 4) FINE GRADING AND PAVING (PAVING CONTRACTOR) 5) BUILDING CONSTRUCTION (BUILDING CONTRACTOR)
- 6) TOPSOIL RESPREAD AND VEGETATIVE STABILIZATION (EARTHWORK CONTRACTOR AND
- 7) PERFORM CONTINUING MAINTENANCE (OWNER)

#### C. THE TOTAL AREA OF THE SITE IS 9.55 ACRES. (LOT 16)

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 3.5 ACRES.

THE TOTAL TRIBUTARY DRAINAGE AREA IS 7.70 ACRES.

- D. THESE PLAN DOCUMENTS CONTAIN SITE MAP(S) INDICATING THE DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER THE MAJOR GRADING ACTIVITIES, AREA OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED ON THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING DETENTION AREAS), AND LOCATIONS WHERE STORMWATER IS DISCHARGED.
- E. THE NAME OF THE RECEIVING WATERS DOWNSTREAM OF THE PROJECT IS NORTH BRANCH CLOW CREEK. NO WETLANDS, FLOODPLAIN, RIPARIAN AREAS OR THEIR BUFFERS ARE PRESENT ON THE SITE.

#### 2. <u>CONTROLS</u>

THIS SECTION OF THE PLAN ADDRESSES THE VARIOUS CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN 1. B. ABOVE. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR RESPONSIBLE FOR ITS IMPLEMENTATION IS INDICATED AND HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS ATTACHED TO, AND A PART OF, THIS PLAN.

#### A. <u>EROSION AND SEDIMENTATION CONTROLS</u>

- 1) STABILIZATION PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES. INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SOD STABILIZATION VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED IN 2.A.1.A AND 2.B. 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 14 DAYS AFTER THE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.
- (A).WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.
- (B).WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN THE ACTIVITIES CEASED (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

#### DESCRIPTION OF STABILIZATION PRACTICES:

TEMPORARY SEEDING

SPRING OATS

A).IDOT CLASS 7 EROSION CONTROL MIXTURE (ANY TIME OF YEAR)

PERENNIAL RYEGRASS 50 LBS/ACRE SPRING OATS 64 LBS/ACRE

B).IDOT CLASS 6 CONSERVATION MIXTURE (AUGUST 1 TO NOVEMBER 1) SMOOTH BROME GRASS 40 LBS/ACRE VERNAL ALFALFA 15 LBS/ACRE

#### PERMANENT SEEDING - PER LANDSCAPE PLAN PREPARED BY OTHERS

2) STRUCTURAL PRACTICES. PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED TO THE DEGREE ATTAINABLE. TO DIVERT FLOWS FROM EXPOSED SOILS STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT. SUCH PRACTICES WILL INCLUDE STABILIZED CONSTRUCTION ENTRANCE, SILT FENCES, DITCH CHECKS, SEDIMENT TRAPS, RIP-RAP, STORM DRAIN INLET PROTECTION, LEVEL SPREADERS, AND THE SITE DETENTION FACILITY WITH ITS INFILTRATION MEASURES AND OUTLET RESTRICTOR.

48 LBS/ACRE

#### B. STORMWATER MANAGEMENT

PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.

#### 1)INLET PROTECTION ON AND SURROUNDING SITE

#### C. OTHER CONTROLS

- 1) WASTE DISPOSAL. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- 2) THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEMS REGULATIONS.
- D. APPROVED STATE OR LOCAL PLANS

THE MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS OF THE LOCAL JURISDICTIONAL AGENCIES, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, CURRENT EDITION. REOUIREMENTS SPECIFIED IN SEDIMENT AND EROSION CONTROL PLANS OR SITE STORMWATER MANAGEMENT PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10, INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN.

- A. SILT FENCE: SILT FENCE SHALL BE INSTALLED AND MAINTAINED. DAMAGED FENCE SHALL BE RESTORED
- B. STABILIZED CONSTRUCTION ENTRANCE: THE ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC STREETS. MUD TRACKED ONTO PUBLIC STREETS OR SEDIMENT WASHED INTO THE RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY
- C. INLET PROTECTION: INLET PROTECTION SHALL BE INSPECTED FREQUENTLY, REPAIRED OR REMOVED
- D. VEGETATIVE EROSION CONTROL MEASURES: THE VEGETATIVE GROWTH OF TEMPORARY AND PERMANENT SEEDING, SODDING, VEGETATIVE CHANNELS, VEGETATIVE BUFFER STRIPS, ETC. SHALL BE MAINTAINED PERIODICALLY, ADEOUATELY WATERED AND FERTILIZED. THE VEGETATIVE COVER SHALL BE RESEEDED OR OVERSEEDED AS NECESSARY.
- E. OTHER MAINTENANCE PROCEDURES IDENTIFIED IN THE STORMWATER REPORT ARE INCORPORATED BY REFERENCE.

#### 4. <u>INSPECTIONS</u>

QUALIFIED PERSONNEL SHALL MAKE PERIODIC INSPECTIONS OF THE CONSTRUCTION SITE WHICH HAS NOT BEEN FINALLY STABILIZED. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER THE END OF A RAINFALL THAT IS 0.50 INCHES ARE GREATER OR

- A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED ON THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT
- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES. IDENTIFIED IN SECTION 1 ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION 2 ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.
- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION 4.B. SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION.
- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE OWNER OR HIS REPRESENTATIVE SHALL COMPLETE AND FILE AN INCIDENT OF NONCOMPLIANCE (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER OR PROJECT REPRESENTATIVE SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF THE NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI.G OF THE GENERAL PERMIT. THE REPORT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:
  - ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL ATTN: COMPLIANCE ASSURANCE SECTION 1021 NORTH GRAND AVENUE EAST
- POST OFFICE BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276

#### NON-STORMWATER DISCHARGES

- EXCEPT FOR FLOWS FROM
- FIRE-FIGHTING ACTIVITIES,
- WATERING FOR DUST CONTROL IRRIGATION FOR VEGETATIVE GROWTH,
- OR WASH WATER WHERE DETERGENTS ARE NOT USED,
- SOURCES OF NON-STORM WATER SHALL NOT BE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN

#### OWNER'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS

SIGNATURE

#### EARTHWORK CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLITION DISCHARGE FLIMINATION SYSTEM (NPDES) PERMIT THAT ALTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

#### SIGNATURE

TITLE

#### UNDERGROUND CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

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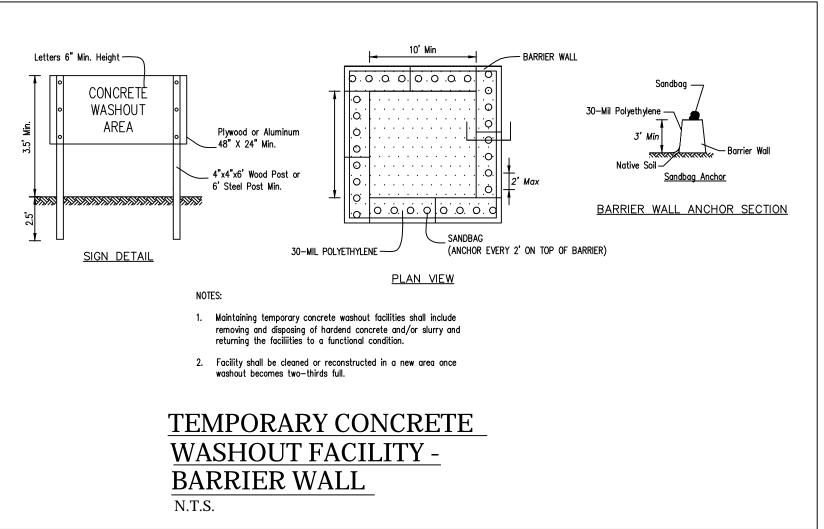
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#### LANDSCAPE CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

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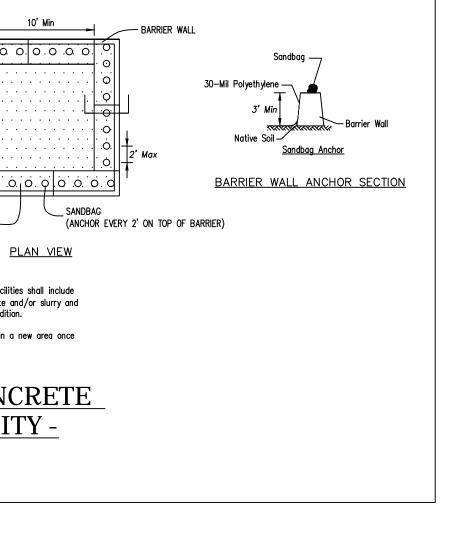
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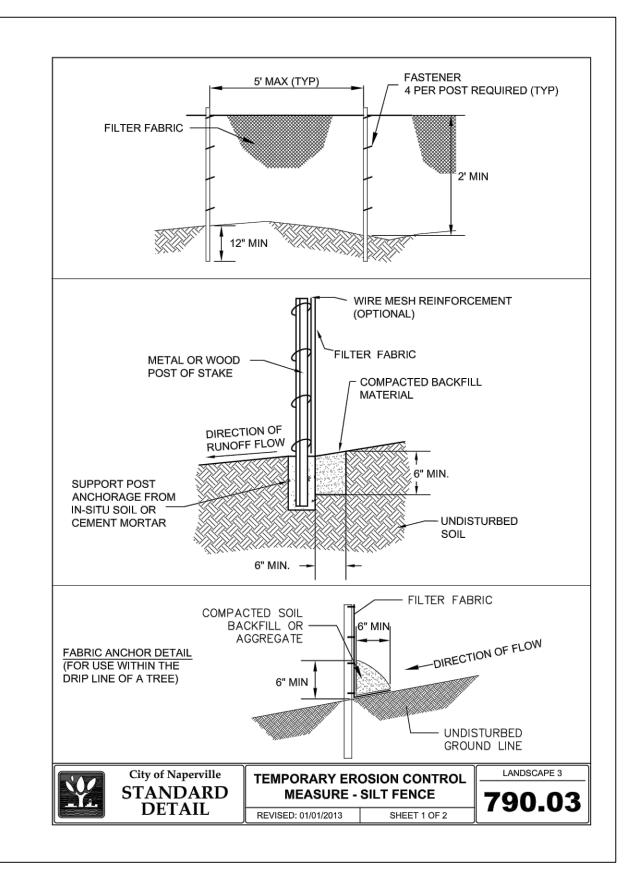
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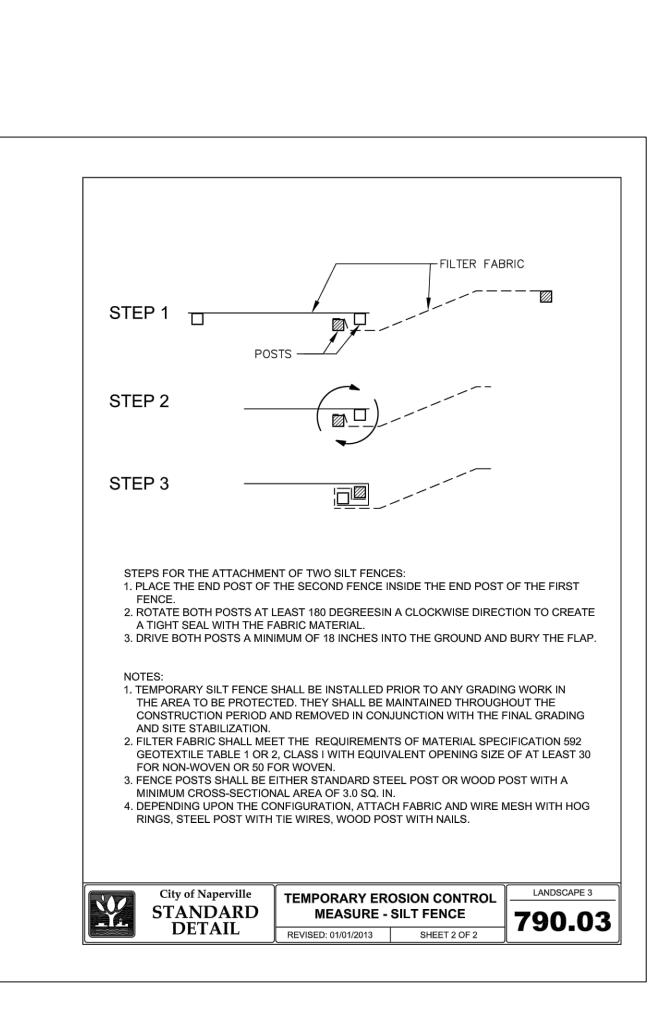
STABILIZATION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
PERMANENT SEEDING			Α		A'	*	*			A'		
DORMANT SEEDING B											В	
TEMPORARY SEEDING			c			D						
SODDING			Е									
MULCHING F												

- A. KENTUCKY BLUEGRASS 135 LBS/ACRE PLUS 2 TONS STRAW PER ACRE \* IRRIGATION NEEDED DURING JUNE AND JULY
- A'. NATIVE SEEDING MIX AS SPECIFIED ON PLNS
- C. SPRING OATS 100 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE PLUS 2
- D. WHEAT OR CEREAL RYE \*\* IRRIGATION NEEDED FOR 2 TO 3 WEEKS
- F. STRAW MULCH 2 TONS/ACRE.



- B. IF APPROVED BY OWNER. TONS STRAW PER ACRE.
- E. IDOT SALT TOLERANT SOD. WATER AS NEEDED.





STABILIZED CONSTRUCTION ENTRANCE PLAN

└Positive Drainage To Sediment

Trapping Device.

– Existina

(Optional)

**L-630** 

В 🚤

SIDE ELEVATION

1 Filter fabric shall meet the requirements of material specification

over the cleared area prior to the placing of rock.

592 GEOTEXTILE, Table I or 2, Class |, || or |\tag{7} and shall be placed

2.Rock or reclaimed concrete shall meet one of the following IDOT coarse

to construction specification 25 ROCKFILL using placement Method 1

3. Any drainage facilities required because of washing shall be

4.If wash racks are used they shall be installed according to the

constructed according to manufacturers specifications.

aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according

Existing

Coarse Aggregate

Operation.

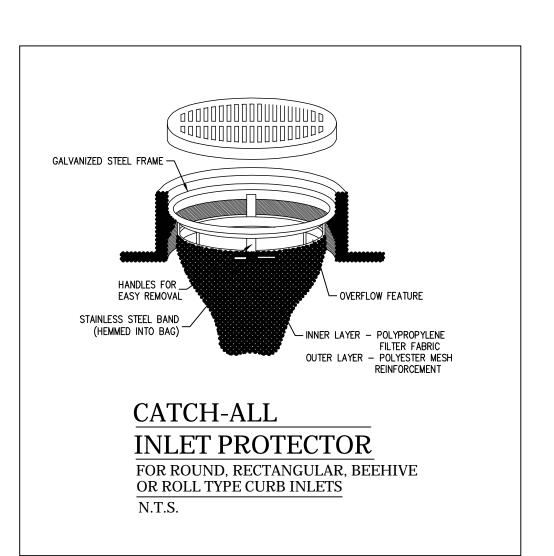
\* Must Extend Full Width

Of Ingress And Egress

- Existing Ground

and Class III compaction.

manufacturer's specifications.



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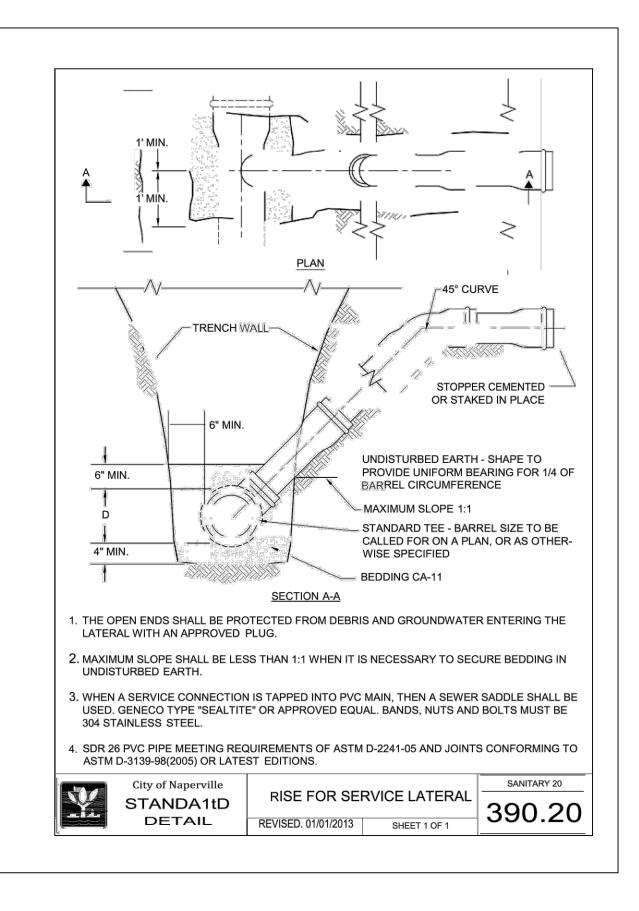
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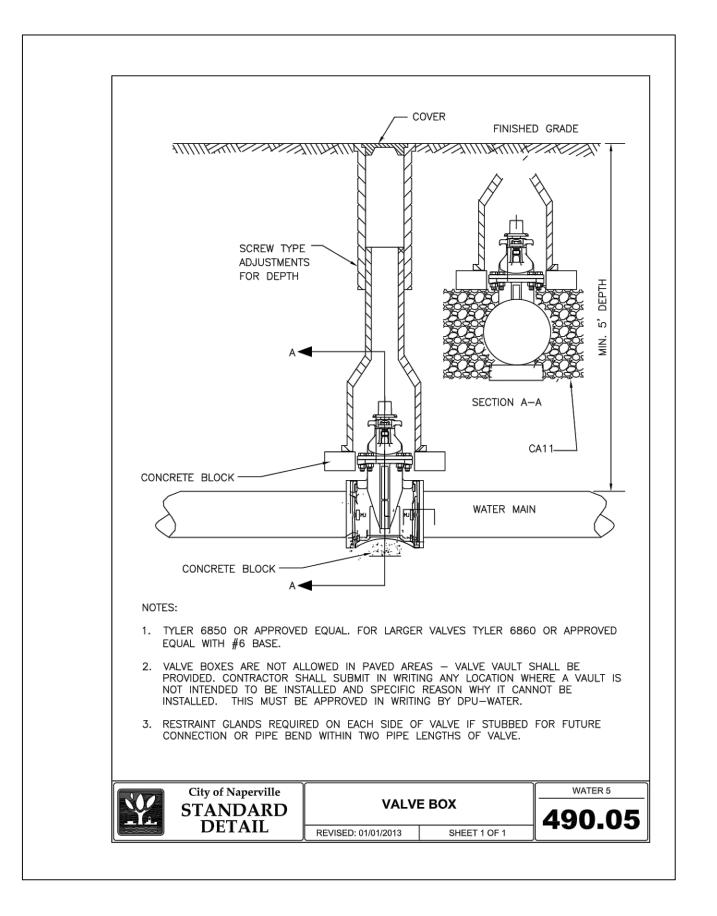
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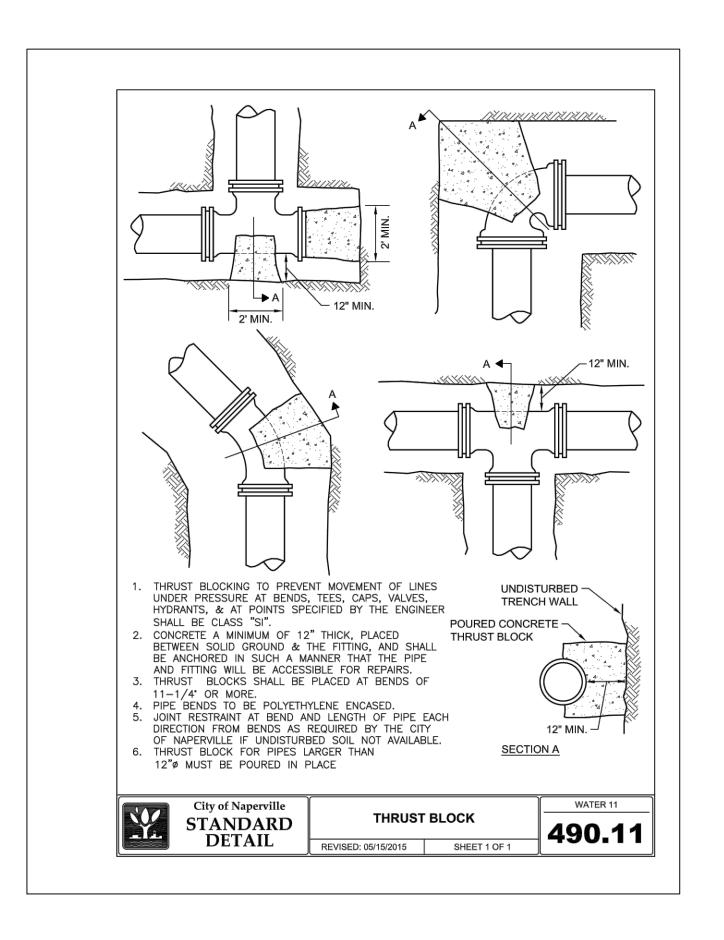
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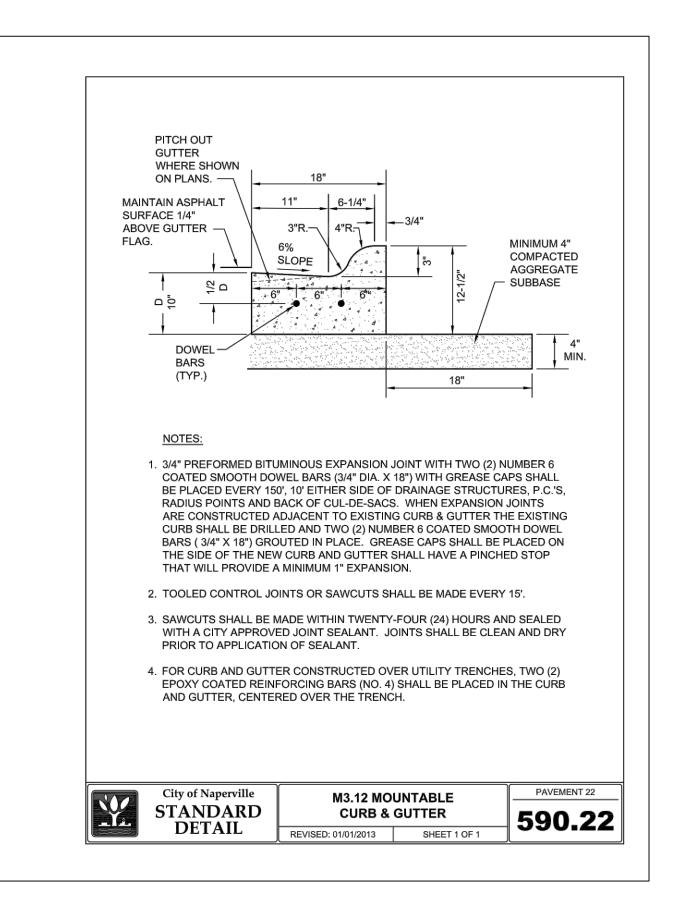
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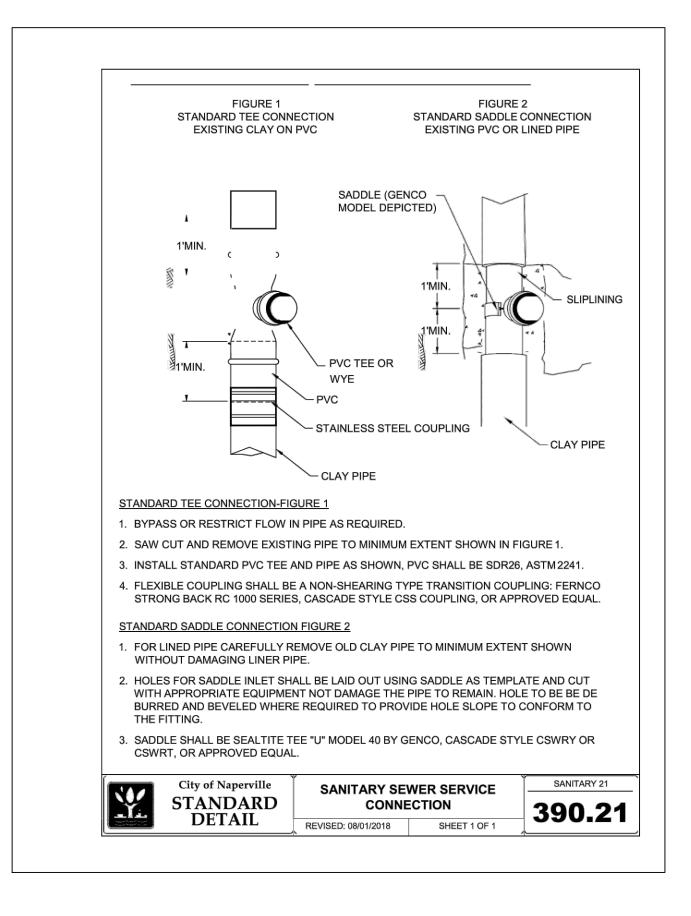
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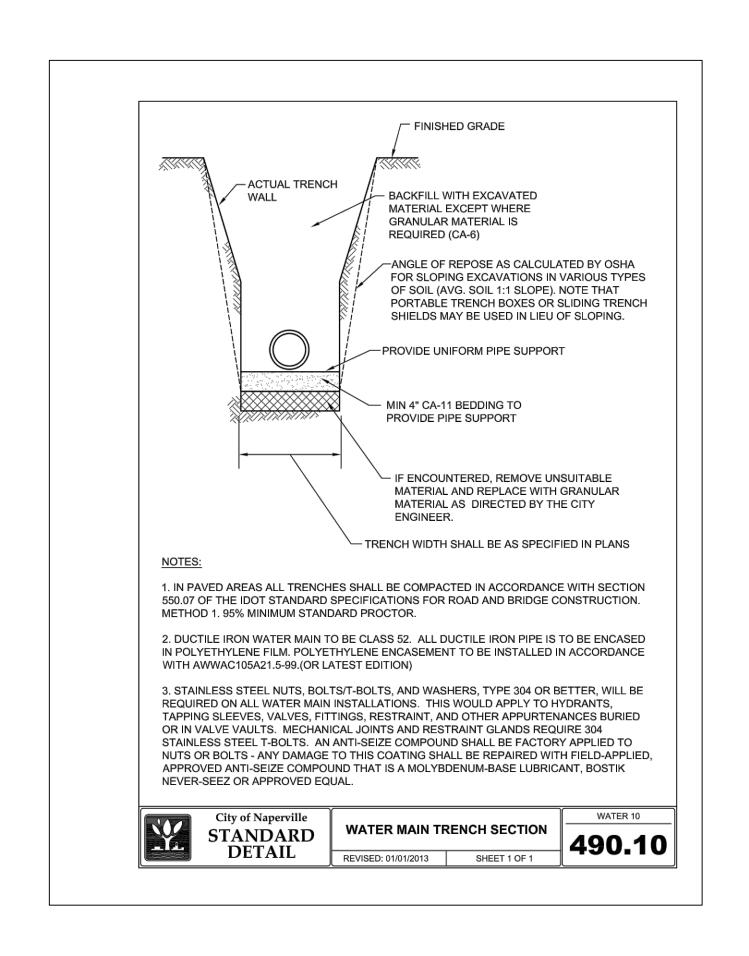














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DJA

DAVE JOHNSON

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NITA ESTATES, LLC 3804 NANNYBERRY COURT NAPERVILLE, ILLINOIS 60564 CITY OF NAPERVILLE DETAILS

DESIGN POINTE

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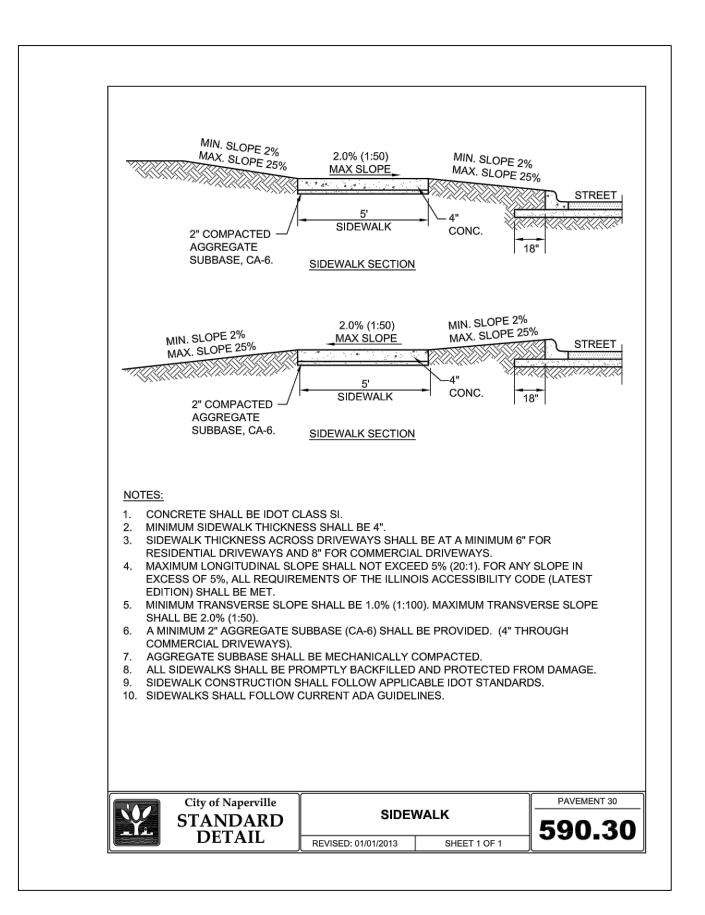
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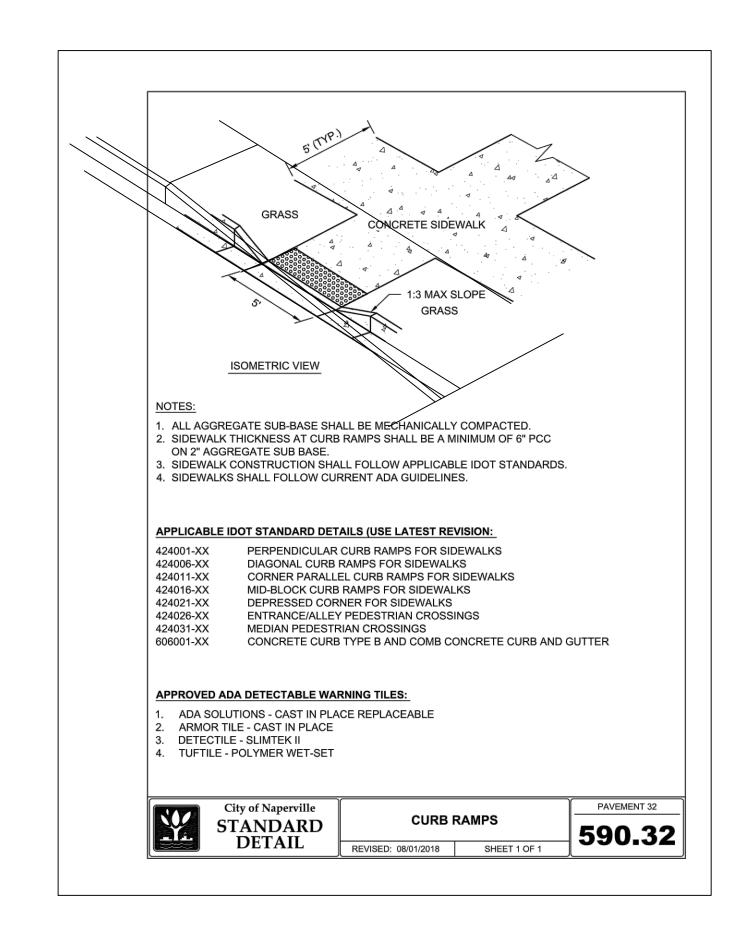
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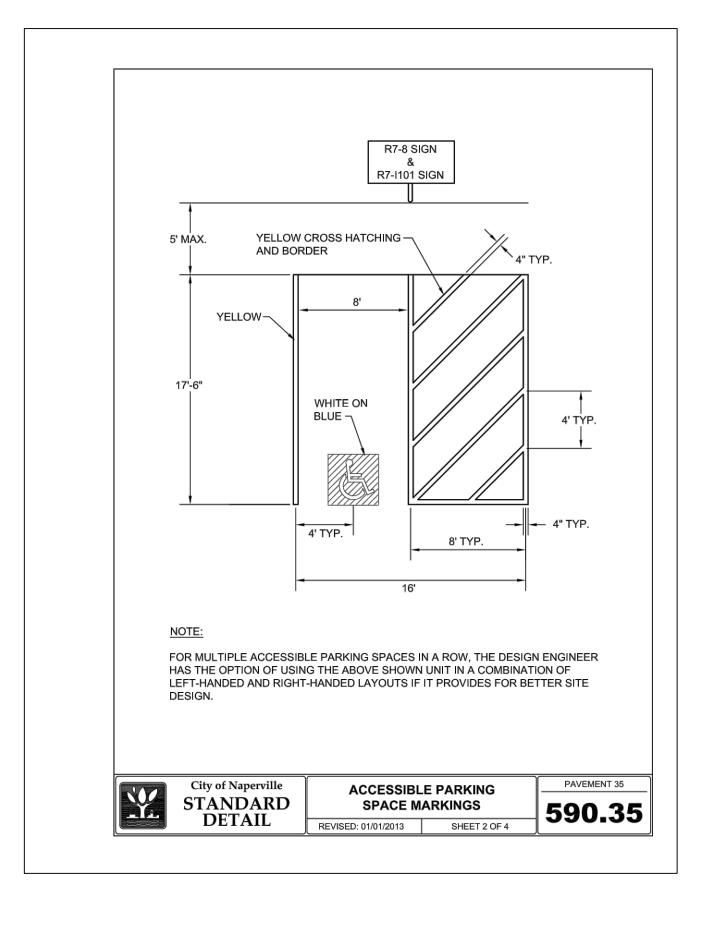
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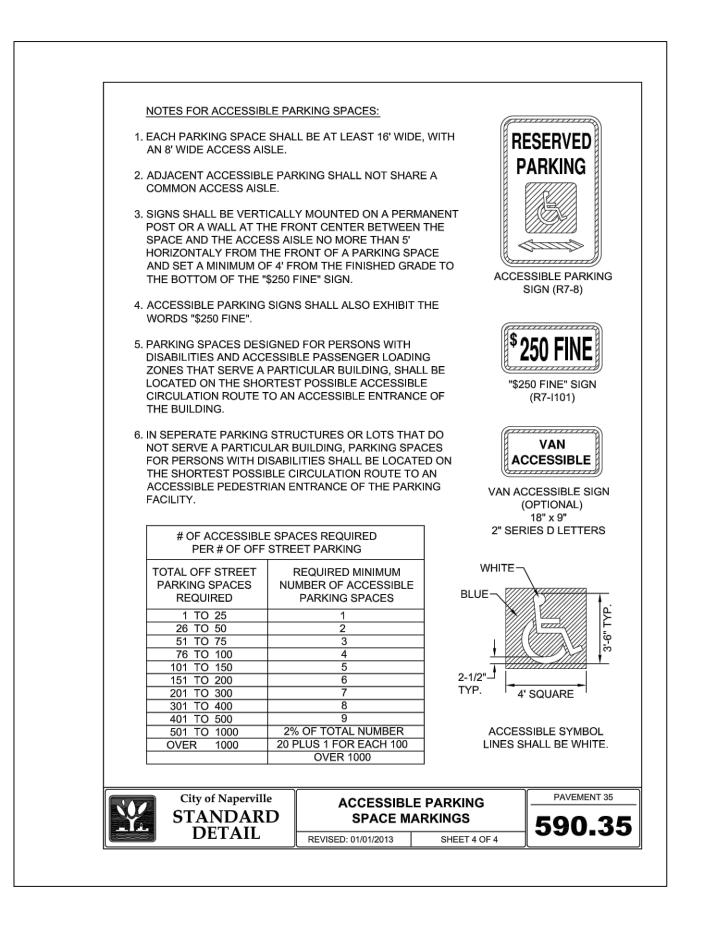
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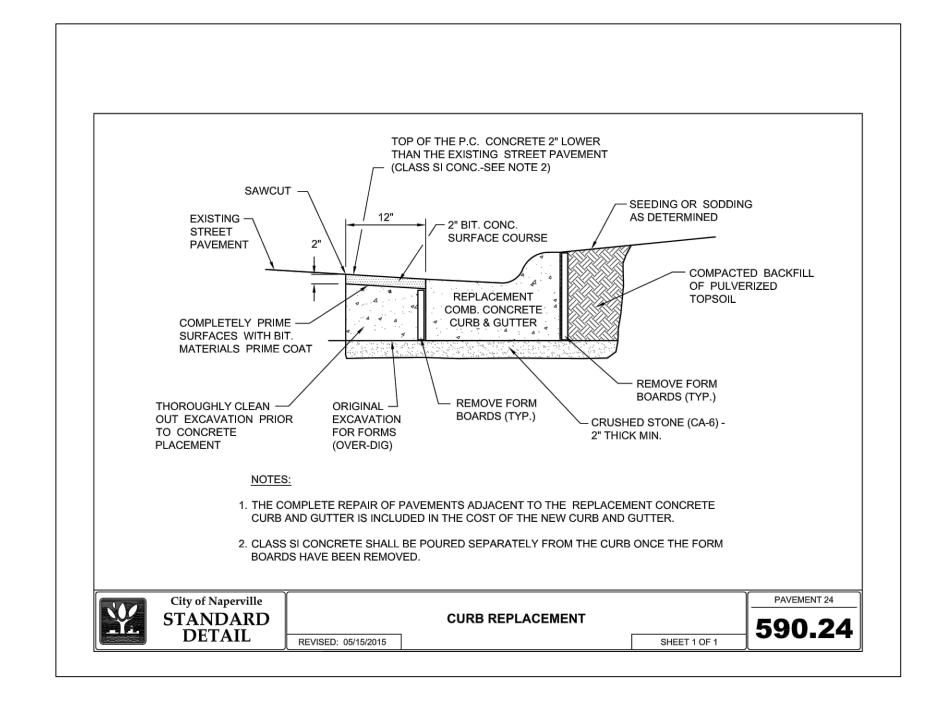
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3804 NANNYBERRY COURT
NAPERVILLE, ILLINOIS 60564

CITY OF NAPERVILLE DETAILS
DESIGN POINTE
1336 ILLINOIS ROUTE 59
NAPERVILLE, ILLINOIS 60563

SCALE: NONE

DATE: 10-01-22

JOB NO: 0000

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- TRANSPORTATION, ENGINEERING AND DEVELOPMENT BUSINESS GROUP STANDARD CONSTRUCTION PLAN NOTES FOR DEVELOPMENT PROJECTS
- 1. THE OWNER OR HIS/HER/THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
- 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPERVILLE DESIGN MANUAL AND STANDARD SPECIFICATIONS (CURRENT EDITION) AND WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CNSTRUCTION (CURRENT EDITION).
- 3. ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE NAPERVILLE CORPORATE LIMITS.
- THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- 5. THE CONTRACTOR/DEVELOPER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF NAPERVILLE.
- 6. PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL OFF-SITE EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
- 7. THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF NAPERVILLE PRIOR TO ANY WORK BEING STARTED. A PRE-CONSTRUCTION MEETING WILL NOT BE SCHEDULEDUNTIL THE PROJECT HAS BEEN APPROVED BY THE CITY OF NAPERVILLE DEVELOPMENT REVIEW TEAM AND THE REQUIRED SURETY HAS BEEN POSTED.
- 8. A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE TED BUSINESS GROUP (630-420-6082) PRIOR TO STARTING WORK OR RESTARTING WORK AFTER SOME ABSENCE OF WORK FOR ANY REASON.
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY IDENTIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT JULIE FOR THE LOCATION OF ANY AND ALL UTILITIES. THE TOLL-FREE NUMBER IS 800-892-0123. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY PRIVATE FACILITIES OR NON-JULIE MEMBER FACILITIES.
- 10. THE CONTRACTOR CAN SCHEDULE ALL NECESSARY SITE INSPECTIONS WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6082 BETWEEN THE HOURS OF 8:00AM AND 4:00PM (CLOSED 1:00PM TO 2:00PM DAILY) ON WEEKDAYS WHEN THE CITY IS OPEN FOR BUSINESS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE SITE PERMIT NUMBER FOR THE PROJECT IN ORDER TO SCHEDULE THE INSPECTION(S).
- 11. RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF NAPERVILLE PRIOR TO FINAL OCCUPANCY BEING GRANTED.
- 12. FINAL ACCEPTANCE OF PUBLIC IMPROVEMENTS SHALL BE GRANTED ONLY AFTER A FINAL INSPECTION HAS BEEN COMPLETED AND HAS REVEALED THAT ALL IMPROVEMENTS HAVE BEEN SATISFACTORILY COMPLETED IN ACCORDANCE WITH THE NAPERVILLE STANDARD SPECIFICATIONS. UTLITIES ARE NOT CONSIDERED ACCEPTED UNTIL THEY ARE FORMALLY ACCEPTED BY THE CITY COUNCIL AS REQUIRED IN ACCORDANCE WITH THE NAPERVILLE MUNICIPAL CODE.

#### STORM SEWER NOTES (GENERAL)

THE STORM SEWER NOTES IN THIS SECTION SHOULD BE INCLUDED IN ALL FINAL ENGINEERING PLANS REGARDLESS OF THE TYPE OF WORK IN THE PROJECT.

- 1. NO CONNECTION TO AN EXISTING PUBLIC STORM SEWER MAY BE MADE WITHOUT PERMISSION OF THE CITY ENGINEER.
- 2. THE CONTRACTOR SHALL REPAIR ANY EXISTING FIELD DRAINAGE TILE DAMAGED DURING CONSTRUCTION AND PROPERLY REROUTE AND/OR CONNECT SAID TILE TO THE NEAREST STORM SEWER OUTLET. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE CONTRACTOR'S RECORD DRAWINGS.

#### STORM SEWER NOTES (STORM SEWER WORK IN PLANS)

- 1. THE FOLLOWING MATERIALS ARE PERMITTED FOR STORM SEWER AND PIPE CULVERTS. WHERE A PARTICULAR MATERIAL IS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, NO OTHER KIND OF MATERIAL WILL BE PERMITTED:
- 1A. REINFORCED CONCRETE PIPE (RCP) REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 76, CLASSES I, II, III, IV OR V. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433. REINFORCED CONCRETE PIPE SHALL ALSO BE PERMITTED AS ROUND, ELLIPTICAL, OR BOX SHAPED OR AS REINFORCED CONCRETE ARCH CULVERT.
- 1B. NON-REINFORCED CONCRETE PIPE NON-REINFORCED CONCRETE PIPE SHALL BE ALLOWED FOR PIPES WITH A 10 INCH OR SMALLER DIAMETER. NON-REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 14, CLASS 3. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433.
- 1C. DUCTILE IRON PIPE (DIP) DUCTILE IRON PIPE SHALL CONFORM TO ANSI A 21.51 (AWWA C-151), CLASS THICKNESS DESIGNED PER ANSI A 21.50 (AWWA C-150), TAR (SEAL) COATED AND CEMENT LINED PER ANSI A 21.4 (AWWA C-104), WITH MECHANICAL OR RUBBER RING (SLIP SEAL OR PUSH ON) JOINTS. ALL DUCTILE IRON PIPE SHALL BE WRAPPED WITH POLYETHYLENE.
- 1D. POLYVINYL CHLORIDE PIPE (PVC) POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO ASTM D 3034, TYPE PSM. THE MINIMUM STANDARD DIMENSION RATIO (SDR) SHALL BE 26. THE PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 12454-C, AND SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) LBS. PER INCH (317 KPA). JOINTS FOR PVC PIPE SHALL BE FLEXIBLE ELASTOMETRIC SEALS PER ASTM D 3212.
- 1E. HIGH DENSITY POLYETHELYNE PIPE (HDPE) HIGH-DENSITY
  POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO THE REQUIREMENTS
  OF AASHTO M 252 AND M 294. PIPE AND FITTINGS SHALL BE MADE FROM
  VIRGIN PE COMPOUNDS WHICH CONFORM TO THE REQUIREMENTS OF
  CELL CLASS 324420C AS DEFINED AND DESCRIBED IN ASTM D 3350.
  RUBBER GASKET JOINTS SHALL BE USED.
- 2. BEDDING, OTHER THAN CONCRETE EMBEDMENT, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH TO 1 INCH IN SIZE. AS A MINIMUM, THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-7 OR CA-11 OF THE STANDARD SPECIFICATIONS.
- 3. BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-6 OF THE STANDARD SPECIFICATIONS. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- 4. JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS; CASCADE CSS, ROMAC LSS, FERNCO, INC. SHEAR RING, OR APPROVED EQUAL. WHEN AVAILABLE, A STANDARD JOINT WITH A TRANSITION GASKET MAY BE USED. THE NAME OF THE MANUFACTURER, CLASS, AND DATE OF ISSUE SHALL BE CLEARLY IDENTIFIED ON ALL SECTIONS OF PIPE. THE CONTRACTOR SHALL ALSO SUBMIT BILLS OF LADING, OR OTHER QUALITY ASSURANCE DOCUMENTATION WHEN REQUESTED BY THE CITY ENGINEER. ALL NUTS AND BOLTS FOR COUPLINGS SHALL BE STAINLESS STEEL.
- 5. MANHOLES FOR STORM SEWERS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL MANHOLES SHALL BE WATER-TIGHT. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.
- 6. MANHOLES SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER (EAST JORDAN IRON WORKS 1022 WITH TYPE A SOLID COVER, OR APPROVED EQUAL) WITH THE WORD "STORM" IMPRINTED ON THE COVER IN RAISED LETTERS. ALL FRAMES AND LIDS SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT. BOTH THE MANHOLE FRAME AND COVER SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. INVERTED MANHOLE FRAMES ARE NOT ALLOWED. PICK HOLES SHALL NOT CREATE OPENINGS IN THE MANHOLE COVER.

- 7. MANHOLE STEPS ON MAXIMUM 16 INCH CENTER SHALL BE FURNISHED WITH EACH MANHOLE, SECURELY ANCHORED IN PLACE, TRUE TO VERTICAL ALIGNMENT, IN ACCORDANCE WITH THE NAPERVILLE STANDARD DETAILS. STEPS SHALL BE COPOLYMER POLYPROPYLENE REINFORCED WITH 1/2 INCH A615/A615M-05A (OR LATEST EDITION) GRADE 60 STEEL REINFORCEMENT, MEETING OR EXCEEDING ASTM C 478-05 (OR LATEST EDITION) AND OSHA STANDARDS.
- 8. CATCH BASINS AND INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 24 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL CATCH BASINS AND INLETS SHALL BE WATER-TIGHT AT ALL POINTS BELOW GRADE. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER. CATCH BASINS AND INLETS SHALL BE FURNISHED WITH A FRAME AND GRATE BASED UPON THE LOCATION OF THE INSTALLATION AS LISTED BELOW. ALL FRAMES AND GRATES SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT.
- A) PAVEMENT: EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL.
- B) BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, OR APPROVED EQUAL.
- C) DEPRESSED CURB: EAST JORDAN IRON WORKS 5120 FRAME AND GRATE, OR APPROVED EQUAL.
- D) MOUNTABLE CURB: EAST JORDAN IRON WORKS 7525 FRAME AND GRATE, OR APPROVED EQUAL.
   E) NON-PAVED AREAS: EAST JORDAN IRON WORKS 6527 BEEHIVE
- GRATE, OR APPROVED EQUAL. ALTERNATELY, IN AREAS WHERE THERE IS THE LIKELIHOOD OF PEDESTRIAN TRAFFIC, EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE EM1 RADIAL FLAT GRATE, OR APPROVED EQUAL MAY BE USED.
- 9. THE STEEL CASING PIPE SHALL BE BITUMINOUS COATED, A MINIMUM OF 30 MILS THICKNESS INSIDE AND OUT, AND SHALL BE OF LEAK PROOF CONSTRUCTION, CAPABLE OF WITHSTANDING THE ANTICIPATED LOADINGS. SEE TABLE 200-1 IN THE NAPERVILLE STANDARD SPECIFICATIONS FOR THE MINIMUM WALL THICKNESSES OF VARIOUS STEEL CASING DIAMETERS.
- THE STEEL CASING PIPE SHALL HAVE MINIMUM YIELD STRENGTH OF 35,000 PSI AND SHALL MEET THE REQUIREMENTS OF A139/A139M-04 (OR LATEST EDITION), GRADE B. RING DEFLECTION SHALL NOT EXCEED 2% OF THE NOMINAL DIAMETER. THE STEEL CASING PIPE SHALL BE DELIVERED TO THE JOBSITE WITH BEVELED ENDS TO FACILITATE FIELD WELDING.
- 10. ALL PIPE SHALL BE LAID TRUE TO LINE AND GRADE. DIRT AND OTHER FOREIGN MATERIAL SHALL BE PREVENTED FROM ENTERING THE PIPE OR PIPE JOINT DURING HANDLING OR LAYING OPERATIONS. ALL STORM SEWER PIPE TO PIPE CONNECTIONS SHALL BE SEALED WITH BUTYL MASTIC TO ENSURE WATER TIGHTNESS. LIFT HOLES TO BE SEALED USING BUTYL MASTIC AND CONCRETE PLUGS. AT NO TIME SHALL CONNECTIONS BETWEEN THE STORM SEWER AND SANITARY SEWER BE ALLOWED.
- 11. FOR STRUCTURES LOCATED IN PAVED AREAS, A MINIMUM OF FOUR,
  2-INCH DIAMETER HOLES SHALL BE DRILLED OR PRECAST INTO THE
  STRUCTURE WITHIN 1 FOOT OF THE LOWEST PIPE INVERT. THE HOLES
  SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE
  STRUCTURE. A 1-FOOT BY 1-FOOT SECTION OF UNDERDRAIN FILTER
  CLOTH MATERIAL SHALL BE SUFFICIENTLY FIXED TO THE OUTSIDE OF
  THE MANHOLE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING
  BACKFILLING.
- 12. ALL STORM SEWER STRUCTURE FRAMES WITHOUT INSIDE FLANGES SHALL BE SHAPED WITH NON-SHRINKING HYDRAULIC CEMENT TO FORM A FILLET TO THE STRUCTURE OR ADJUSTING RING.

  WHEN ADJUSTMENTS ARE NECESSARY, ALL RINGS SHALL BE HIGH DENSITY POLYETHYLENE PLASTIC (HDPE), RECYCLED RUBBER, HIGH DENSITY EXPANDING POLYSTYRENE, EXPANDED POLYPROPYLENE (EPP), OR OTHER MATERIAL AS APPROVED BY THE CITY ENGINEER. PRECAST CONCRETE RINGS, BRICKS, ROCKS, SHIMS, OR CONCRETE BLOCKS WILL NOT BE ALLOWED.

#### EROSION CONTROL AND DRAINAGE NOTES (GENERAL)

- 1. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
- 2. DURING EXTENDED DRY PERIODS, THE CONSTRUCTION AREA(S) MAY NEED TO BE WATERED DOWN TO PREVENT THE BLOWING OF SOIL FROM THE SITE.
- 3. DURING CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE UTILIZED TO MINIMIZE THE TRACKING OF DIRT ONTO THE PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP PUBLIC STREET PAVEMENT CLEAN OF DIRT AND DEBRIS. ANY DIRT THAT IS TRACKED ONTO THE PUBLIC STREETS SHALL BE REMOVED THE SAME DAY. IF THE AMOUNT TRACKED ON THE PUBLIC STREET IS EXCESSIVE, CLEANING MAY BE REQUIRED MORE FREQUENTLY.

#### EROSION CONTROL AND DRAINAGE NOTES (PROJECT SPECIFIC)

- 1. ALL EROSION CONTROL MEASURES SHALL BE PROPERLY INSTALLED, AS PERMITTED, PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. ALL EROSION CONTROL SHALL BE MAINTAINED UNTIL TURF IS ESTABLISHED.
- 2. ACCEPTABLE PERIMETER EROSION CONTROL INCLUDES SILT FENCE, SILT WORM AND ANY OTHER APPLICATION APPROVED BY THE CITY
- 3. ALL OPEN GRATE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS. INLET BASKETS ARE THE PREFERRED METHOD; STRAW BALES SHALL NOT BE USED.
- 4. STOCKPILES NOT BEING DISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDED.
- 5. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY, AFTER ANY 0.5 INCH RAINFALL, OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN THEIR FUNCTION.

#### GEOMETRIC AND PAVING NOTES (GENERAL)

- 1. THE DEVELOPER AND CONTRACTOR SHALL HAVE THE RESPONSIBILITY
  TO ADEQUATELY PROTECT THE PAVEMENT AND PROPERTY, CURB AND
  GUTTER AND OTHER RIGHT-OF-WAY IMPROVEMENTS, WHETHER NEWLY
  CONSTRUCTED OR EXISTING, FROM ANY AND ALL DAMAGE. SUFFICIENT
  MEANS SHALL BE EMPLOYED BY THE CONTRACTOR TO PROTECT
  AGAINST SUCH DAMAGE TO THE SATISFACTION OF THE CITY ENGINEER.
- ANY NEW OR EXISTING IMPROVEMENTS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED IN A MANNER THAT IS SATISFACTORY TO THE CITY ENGINEER.
- 3. THE CONTRACTOR AND/OR DEVELOPER SHALL SECURE ALL NECESSARY RIGHTS AND PERMISSIONS TO PERFORM ANY WORK ON PRIVATE PROPERTY NOT WITHIN THE OWNERSHIP RIGHTS OF THE DEVELOPER. THE DEVELOPER SHALL BEAR THE SOLE RESPONSIBILITY FOR DAMAGES THAT MAY OCCUR AS A RESULT OF WORK PERFORMED UNDER CONTRACTS THEY INITIATE.
- 4. THE CONTRACTOR/DEVELOPER WILL BE RESPONSIBLE FOR BRINGING PAVEMENTS (STREET, CURB AND GUTTER, SIDEWALK, DRIVEWAY) ON THE PROPERTY UP TO CITY STANDARDS INCLUDING ANY REPAIRS TO SUBSTANDARD PAVEMENTS THAT EXISTED PRIOR TO OR OCCURRED DURING CONSTRUCTION.
- 5. WHEREVER NEW WORK WILL MEET EXISTING CONDITIONS OTHER THAN LAWN AREAS, REGARDLESS OF WHETHER THE NEW OR EXISTING WORK IS ASPHALT OR CONCRETE, THE EXISTING ADJACENT SIDEWALK, DRIVEWAYS, PAVEMENT OR CURB SHALL BE NEATLY SAW CUT. THE SAW CUT SHALL BE IN A NEAT STRAIGHT LINE SUFFICIENTLY DEEP SO THAT IT RENDERS A SMOOTH VERTICAL FACE TO MATCH TO. IF THE CONTRACTOR IS NOT CAREFUL OR DOES NOT SAW DEEP ENOUGH AND THE CUT LINE BREAKS OUT OR CHIPS TO AN IMPERFECT EDGE, THEN THE EXISTING SIDE MUST BE RE-CUT SQUARE AND DONE OVER UNTIL IT IS

#### TRAFFIC CONTROL AND PROTECTION NOTES (GENERAL)

DEVICES.

- 1. ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE
  TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN
  ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC
  CONTROL DEVICES (MUTCD), LATEST EDITION. TRAFFIC CONTROL MUST
  BE PROVIDED FOR ANY ACTIVITY THAT IMPACTS TRAFFIC FLOW. THIS
  INCLUDES, BUT IS NOT LIMITED TO, ROAD CLOSURES REQUIRING
  DETOURS, DAILY LANE CLOSURES, LONG TERM LANE CLOSURES,
  NARROW LANES, AND CONSTRUCTION VEHICLES ENTERING AND EXITING
  THE PUBLIC ROADWAY. ALL TRAFFIC CONTROL SET-UPS MAY BE
  INSPECTED BY THE CITY OF NAPERVILLE TO ENSURE THAT THEY ARE
  PROVIDING POSITIVE GUIDANCE TO MOTORISTS AND ARE NOT IN
  THEMSELVES PRESENTING A HAZARDOUS SITUATION. A
  REPRESENTATIVE OF THE DEVELOPER OR CONTRACTOR MUST PROVIDE
  PHONE NUMBERS AT WHICH THEY CAN BE REACHED 24 HOURS A DAY
  AND ON WEEKENDS SO THAT THEY CAN MAINTAIN TRAFFIC CONTROL
- 2. PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES. GUIDANCE MUST BE PROVIDED TO PEDESTRIANS SO THAT THEY MAY AVOID THE WORK ZONE. SAID PEDESTRIAN DETOUR PLAN (WITH SIGNAGE) IS TO BE REVIEWED AND ACCEPTED BY THE CITY IN WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
- 3. THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE CITY ENGINEER.
- 4. ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.

REVISIONS:

DRAWN BY: DJ DATE: 10-01-22

DATE BY DESCRIPTION DATE BY DESCRIPTION

CHECKED BY: WDJ DATE: 10-01-22

10-01-22 D.J. PER REVIEW

12-15-22 D.J. PER REVIEW

02-06-23 D.J. PER REVIEW

DRAWN BY: DJ DATE: 10-01-22

APPROVED BY: WDJ DATE: 10-01-22

DATE DESCRIPTION

DRAWN BY: DJ DATE: 10-01-22

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DRAWN BY: DJ DATE: 10-01-22

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DJA DAVE JOHNSON

ON CIVIL ENGINEER & SURVEYOR

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NITA ESTATES, LLC 3804 NANNYBERRY COURT NAPERVILLE, ILLINOIS 60564 GENERAL NOTES
DESIGN POINTE
1336 ILLINOIS ROUTE 59
NAPERVILLE, ILLINOIS 60563

SCALE: NONE

DATE: 10-01-22

JOB NO: 0000

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#### GENERAL NOTES

#### . DEFINITION OF TERMS:

- A. THE CONTRACTOR IS THE INDIVIDUAL, FIRM, PARTNERSHIP, OR CORPORATION CONTRACTING WITH THE OWNER FOR PERFORMANCE OF THE PRESCRIBED WORK.
- B. THE OWNER IS THE INDIVIDUAL, FIRM, PARTNERSHIP, OR CORPORATION HAVING THE AUTHORITY TO
- C. THE ENGINEER WHERE SPECIFICALLY REFERRED TO IN THE SPECIAL PROVISIONS SHALL BE THE

AWARD THE CONTRACT FOR THE PRESCRIBED WORK.

- 2. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR THE FOLLOWING, WHICH SHALL ALSO BE INCIDENTAL TO THE COST OF CONSTRUCTION:
- A EXAMINATION OF THE ENGINEERING PLANS AND SPECIFICATIONS AND THE EXISTING SITE CONDITIONS
- PRIOR TO SUBMITTING A BID, AND NOTIFYING THE ENGINEER AT ONCE OF ANY DISCREPANCIES.
- POSTING OF THE NECESSARY BONDS. C. THE NOTIFICATION OF THE START OF CONSTRUCTION TO ALL JURISDICTIONAL AGENCIES, UTILITY

B. THE OBTAINING OF ANY NECESSARY PERMITS NOT PREVIOUSLY APPLIED FOR BY THE OWNER, AND

- COMPANIES, AND THE ENGINEER, AT LEAST TWO (2) WORKING DAYS PRIOR TO SAID START. ALL EXISTING UTILITIES MUST BE STAKED PRIOR TO CONSTRUCTION AND BE PROTECTED DURING CONSTRUCTION.
- D. CALLING ATTENTION TO THE OWNER OF ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES WHICH ARE ESTABLISHED BY THE OWNER. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK UNTIL THE LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE OWNER. ADDITIONAL STAKING THAT MAY BE REQUIRED DUE TO CONTRACTOR NEGLIGENCE SHALL BE PAID FOR BY THE CONTRACTOR.
- E. THE PROVIDING OF SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE PROSECUTION OF THE CONSTRUCTION WORK. THIS SHALL INCLUDE. BUT NOT BE LIMITED TO: THE REMOVAL OF DEBRIS. THE PROTECTING OF CONSTRUCTION HAZARDS WITH BARRICADES, AND THE KEEPING OF PUBLIC STREET PAVEMENTS CLEAN OF CONSTRUCTION DIRT AND DEBRIS.
- F. THE RESTORATION TO THE ORIGINAL CONDITION OR BETTER OF ANY OFFSITE AREAS THAT ARE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.

G.THE TESTING OF MATERIALS, IF REQUIRED BY THE OWNER AND/OR THE JURISDICTIONAL AGENCIES.

- H. THE GUARANTEE OF ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR UPON FINAL ACCEPTANCE BY THE OWNER AND THE JURISDICTIONAL AGENCIES.
- I. THE TRAFFIC CONTROL AND PROTECTION OF ALL WORK CONDUCTED WITHIN PUBLIC RIGHTS-OF-WAY, SHALL BE IN ACCORDANCE WITH THE APPLICABLE ARTICLES OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012, AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND "ILLINOIS SUPPLEMENT TO THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES:.
- J. CONTRACTOR WORK HOURS ARE ONLY ALLOWED FROM 7:00 A.M. TO 5:00 P.M., MONDAY THROUGH SATURDAY. NO WORK SHALL BE PERMITTED ON SUNDAYS.
- 3. THE OWNER SHALL BE RESPONSIBLE FOR THE FOLLOWING:
- A. SCHEDULING THE NECESSARY PRE-CONSTRUCTION MEETING(S) WITH THE JURISDICTIONAL AGENCIES.
- B. PROVIDING THE CONTRACTOR WITH ONE (1) SET OF CONTROL LINE AND GRADE STAKES (AT OFFSETS MUTUALLY AGREED UPON) FOR THE PROPER PROSECUTION AND CONTROL OF THE WORK.
- C. APPLYING FOR IEPA AND IDNR PERMITS. OTHER NECESSARY PERMITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. THE ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING:
- A. TO PERIODICALLY VISIT THE CONSTRUCTION SITE IN ORDER TO BETTER CARRY OUT THE DUTIES AND RESPONSIBILITIES ASSIGNED BY THE OWNER AND UNDERTAKEN BY THE ENGINEER.
- B. THE ENGINEER SHALL NOT, DURING SUCH VISITS OR AS A RESULT OF SUCH OBSERVATIONS OF THE CONTRACTOR(S)' WORK IN PROGRESS, SUPERVISE, DIRECT, OR HAVE CONTROL OVER THE CONTRACTOR(S)' WORK, NOR SHALL THE ENGINEER HAVE AUTHORITY OVER OR RESPONSIBILITY FOR THE MEANS. METHODS. TECHNIQUES. SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR(S). FOR SAFETY PRECAUTIONS AND PROGRAMS INCIDENT TO THE WORK OF THE CONTRACTOR(S), OR FOR ANY FAILURE OF THE CONTRACTOR(S) TO COMPLY WITH LAWS, RULES, REGULATIONS, ORDINANCES, CODES OR ORDERS APPLICABLE TO THE CONTRACTOR(S) FURNISHING AND PERFORMING THEIR WORK. ACCORDINGLY, THE ENGINEER CAN NEITHER GUARANTEE THE PERFORMANCE OF THE CONSTRUCTION CONTRACTS BY THE CONTRACTOR(S) NOR ASSUME RESPONSIBILITY FOR THE CONTRACTOR(S)' FAILURE TO FURNISH AND PERFORM THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

#### STANDARD SPECIFICATIONS

- THE STANDARD SPECIFICATIONS WHICH APPLY TO THE CONSTRUCTION WORK AS SHOWN ON THE ENGINEERING PLANS ARE CONTAINED IN THE FOLLOWING DOCUMENTS:
- A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS ADOPTED JANUARY 1, 2012 BY THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
- B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS ADOPTED JULY 2009 BY THE ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS. ET AL.
- C. STANDARD SPECIFICATIONS AS CURRENTLY IN EFFECT BY THE LOCAL JURISDICTIONAL AGENCY.
- IN THE EVENT OF A CONFLICT BETWEEN STATEMENTS WHICH APPLY TO THE CONSTRUCTION WORK, THE

STATEMENT CONTAINED WITHIN THE DOCUMENT FIRST ENLIMERATED BELOW SHALL GOVERN:

- A. SPECIAL PROVISIONS
- B. GENERAL NOTES

C.NOTES AND DETAILS ON THE ENGINEERING PLANS

D. STANDARD SPECIFICATIONS, AS DEFINED IN PARAGRAPH 1 ABOVE.

#### SPECIAL PROVISIONS

## EARTHWORK IMPROVEMENTS

- A. TOPSOIL EXCAVATION INCLUDES:
- 1. <u>EXCAVATION</u> OF TOPSOIL AND OTHER STRUCTURALLY UNSUITABLE MATERIALS WITHIN THOSE AREAS THAT WILL REQUIRE EARTH EXCAVATION OR COMPACTED EARTH FILL MATERIAL, IN ORDER TO ACHIEVE THE PLAN SUBGRADE ELEVATIONS.
- 2. <u>PLACEMENT</u> OF THE EXCAVATED MATERIAL IN OWNER DESIGNATED AREAS FOR FUTURE USE WITHIN AREAS TO BE LANDSCAPED, AND THOSE AREAS NOT REQUIRING STRUCTURAL FILL
- 3. COMPACTION OF THE EXCAVATED MATERIAL WHERE PLACED IN AREAS NOT REQUIRING STRUCTURAL FILL MATERIAL, SHALL BE MODERATE.
- 4. EXCESS MATERIALS, IF NOT UTILIZED AS FILL OR IF NOT STOCKPILED FOR FUTURE LANDSCAPING, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF BY THE

#### B. <u>EARTH EXCAVATION INCLUDES:</u>

- EXCAVATION OF EARTH AND OTHER MATERIALS WHICH ARE SUITABLE FOR USE AS STRUCTURAL TILL. THE EXCAVATION SHALL BE TO WITHIN A TOLERANCE OF 0.3 FEET (+) OF THE PLAN SUBGRADE ELEVATIONS. THE (+) TOLERANCE WITHIN PAVEMENT AREAS SHALL BE SUCH THAT THE EARTH MATERIAL SHALL "BALANCE" AS PART OF THE FINE GRADING OPERATION.
- 2. PLACEMENT OF THE EARTH AND OTHER SUITABLE MATERIALS SHALL BE WITHIN THOSE AREAS REQUIRING STRUCTURAL FILL IN ORDER TO ACHIEVE THE PLAN SUBGRADE ELEVATIONS TO WITHIN A TOLERANCE OF 0.3 FEET (+). THE FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS THAT SHALL NOT EXCEED EIGHT (8) INCHES IN THICKNESS. AND THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHIEVE THE REQUIRED COMPACTION. EARTH MATERIAL MAY BE PLACED WITHIN THOSE PORTIONS OF THE BUILDING SITE NOT REQUIRING STRUCTURAL FILL, TO WITHIN SIX (6) INCHES OF THE PLAN FINISHED GRADE ELEVATION. IN AREAS REQUIRING STRUCTURAL FILL, HOWEVER. THE EARTH MATERIAL SHALL NOT BE PLACED OVER TOPSOIL OR OTHER UNSUITABLE MATERIALS UNLESS SPECIFICALLY DIRECTED BY A SOILS ENGINEER WITH THE CONCURRENCE OF
- 3. COMPACTION OF THE EARTH AND OTHER SUITABLE MATERIALS, SHALL BE TO AT LEAST 95% OF THE STANDARD PROCTOR DRY DENSITY. ASTM 698 WITHIN PROPOSED PAVEMENT AND BUILDING AREAS. MODERATE COMPACTION IS REQUIRED ELSEWHERE.
- 4. EXCESS MATERIALS, IF NOT UTILIZED AS FILL, SHALL BE COMPLETELY REMOVED FROM THE ONSTRUCTION SITE AND DISPOSED OF BY THE CONTRACTOR.

#### C. <u>UNSUITABLE MATERIAL</u>

1. UNSUITABLE MATERIAL SHALL BE CONSIDERED AS MATERIAL WHICH IS NOT SUITABLE FOR THE SUPPORT OF PAVEMENT AND BUILDING CONSTRUCTION. THAT IS ENCOUNTERED BELOW NORMAL TOPSOIL DEPTHS AND THE PROPOSED SUBGRADE ELEVATION. THE DECISION TO REMOVE SAID MATERIAL, AND TO WHAT EXTENT, SHALL BE MADE BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER.

#### D. <u>GENERAL</u>

#### THE GRADING CONTRACTOR SHALL:

- 1. MAINTAIN PROPER SITE DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION, AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
- 2. SPREAD AND COMPACT UNIFORMLY TO THE DEGREE SPECIFIED ALL EXCESS TRENCH SPOIL AFTER COMPLETION OF THE UNDERGROUND IMPROVEMENTS.
- 3. SCARIFY AND COMPACT TO THE DEGREE SPECIFIED THE UPPER TWELVE (12) INCHES OF THE SUITABLE SUBGRADE MATERIAL, IN ALL AREAS THAT MAY BE SOFT DUE TO EXCESS MOISTURE CONTENT. THIS APPLIES TO CUT AREAS AS WELL AS FILL AREAS.
- 4. PROVIDE WATER TO ADD TO DRY MATERIAL IN ORDER TO ADJUST THE MOISTURE CONTENT FOR THE PURPOSE OF ACHIEVING THE SPECIFIED COMPACTION.
- 5. BE RESPONSIBLE FOR IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND THE "SOIL EROSION AND SEDIMENTATION CONTROL MEASURES" AS ASSIGNED TO THE GRADING CONTRACTOR ON THE ENGINEERING PLAN.

#### E. <u>TESTING AND FINAL ACCEPTANCE</u>

- 1. THE CONTRACTOR SHALL PROVIDE AS A MINIMUM, A FULLY LOADED SIX-WHEEL TRUCK FOR PROOF ROLLING THE PAVEMENT SUBGRADE PRIOR TO THE PLACEMENT OF THE CURB AND
- 2. SPECIFIC COMPACTION TESTING MAY BE REQUIRED BY THE OWNER IN SELECTED FILL AREAS. THE CONTRACTOR SHALL BEAR THE COST OF ANY COMPACTION TESTING WHICH DOES NOT MEET SPECIFICATION AS WELL AS THE RESPONSIBILITY AND COST FOR THE NECESSARY
- 3. APPROVAL OF THE PAVEMENT SUBGRADE BY THE OWNER SHALL BE REQUIRED PRIOR TO THE PLACEMENT OF THE PAVEMENT MATERIALS.

#### F. <u>METHOD OF MEASUREMENT</u>

- 1. AS-BUILT MEASUREMENTS OF EARTHWORK FOR THE PURPOSE OF PAYMENT SHALL NO APPLY. THE QUANTITIES SHOWN IN THE ENGINEER'S "QUANTITY ESTIMATE" SHALL BE UTILIZED UNLESS SAID QUANTITIES ARE ADJUSTED BY MUTUAL CONSENT OF THE OWNER AND CONTRACTOR PRIOR TO THE SIGNING AND ACCEPTANCE OF A CONTRACT.
- 2. THE QUANTITIES AS SHOWN IN THE ENGINEER'S "QUANTITY ESTIMATE" ARE THOSE ESTIMATED BY THE ENGINEER AND ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR BY CHOOSING TO UTILIZE THESE QUANTITIES IN THE PREPARATION OF HIS "LUMP SUM" BID ALSO ACCEPTS THEIR ACCURACY. THE CONTRACTOR IS THEREFORE ENCOURAGED TO MAKE HIS OWN INDEPENDENT EARTHWORK CALCULATION, AND TO VISIT THE SITE PRIOR TO THE PREPARATION OF HIS BID.
- 3. PRIOR TO THE REMOVAL OF UNSUITABLE MATERIAL, THE CONTRACTOR SHALL NOTIFY THE OWNER FOR AUTHORIZATION TO REMOVE SAID MATERIAL. UPON AUTHORIZATION AND REMOVAL, THE UNSUITABLE MATERIAL SHALL BE FIELD MEASURED BY THE ENGINEER IN

#### 2. <u>PAVING IMPROVEMENTS</u>

#### A. <u>FINE GRADING</u>

PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER AND THE PLACEMENT OF THE BASE MATERIAL, THE STREETS SHALL BE FINE GRADED TO WITHIN 0.1 FEET + OF FINAL SUBGRADE ELEVATION, TO A POINT TWO (2) FEET BEYOND THE BACK OF THE PROPOSED CURB.

#### B. <u>CURB AND GUTTER</u>

- 1. THE CURB AND GUTTER SHALL BE THE TYPE AS DETAILED ON THE ENGINEERING PLANS.
- 2. THE CURBS SHALL BE BACKFILLED AFTER THEIR CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE.

- 1. THE PAVEMENT MATERIALS SHALL BE AS DETAILED ON THE ENGINEERING PLANS. THICKNESSES SPECIFIED SHALL BE CONSIDERED TO BE THE MINIMUM COMPACTED THICKNESS.
- 2. BITUMINOUS MATERIALS (PRIME COAT) SHALL BE APPLIED TO THE SURFACE OF THE BASE COURSE AND THE SURFACE OF THE BINDER COURSE PRIOR TO THE PAVING OPERATIONS.THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 403.09 OF THE STANDARD SPECIFICATIONS. THE BASE COURSE AND BINDER COURSE SHALL BE DRY AND FREE FROM ANY DUST PRIOR TO APPLYING THE PRIME COAT OF BITUMINOUS MATERIAL. THE COST OF SURFACE PREPARATION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM OF WORK. THE APPLICATION RATE SHALL BE 0.25 GAL/S.Y.

#### D. <u>GENERAL</u>

## THE PAVING CONTRACTOR SHALL

- 1. REPAIR ANY BASE COURSE AND BINDER COURSE FAILURES PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE.
- 2 SWEEP CLEAN THE BINDER COURSE PRIOR TO THE INSTALLATION OF THE FINAL BITLIMINOUS CONCRETE SURFACE COURSE. EXCESSIVE CLEANING OF THE BINDER COURSE THAT MAY BE REQUIRED, AND IS NOT THE FAULT OF THE PAVING CONTRACTOR, SHALL BE PAID FOR ON A TIME AND MATERIAL BASIS BY PRIOR AGREEMENT WITH THE OWNER.

#### E. TESTING AND FINAL ACCEPTANCE

- PRIOR TO PLACEMENT OF THE BASE COURSE, THE SUBGRADE MUST BE APPROVED BY THE LOCAL JURISDICTIONAL AUTHORITY. (SEE "TESTING AND FINAL ACCEPTANCE FOR EARTHWORK".)
- 2. PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE SURFACE COURSE, THE CONTRACTOR IF REQUESTED BY THE OWNER, SHALL OBTAIN SPECIMENS OF THE BINDER COURSE WITH A CORE DRILL WHERE DIRECTED BY THE ENGINEER. FOR THE PURPOSE OF THICKNESS VERIFICATION. CORING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATION ENTITLED "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". THE COST FOR OBTAINING CORES, WHICH ARE LESS THAN THE MINIMUM THICKNESS SPECIFIED, SHALL BE BORNE BY THE CONTRACTOR. THE COST FOR OBTAINING CORES WHICH MEET OR EXCEED THE SPECIFICATION SHALL BE COVERED BY THE OWNER
- 3. DEFICIENCIES IN THE BITUMINOUS CONCRETE BINDER COURSE SHALL BE ADJUSTED FOR BY INCREASING THE PLAN THICKNESS OF THE SURFACE COURSE WITH NO ADDITIONAL COST TO
- 4. FINAL ACCEPTANCE OF THE TOTAL PAVEMENT INSTALLATION SHALL BE SUBJECT TO THE TESTING AND CHECKING REQUIREMENTS CITED ABOVE.

### F. <u>METHOD OF MEASUREMENT</u>

- 1. CURB AND GUTTER, AND BASE COURSE SHALL BE MEASURED IN THE FIELD BY THE CONTRACTOR. THE QUANTITIES SHALL BE SUBMITTED TO THE ENGINEER FOR VERIFICATION.
- 2. WHEN REQUESTED, DOCUMENTATION FOR THE INSTALLED BASE COURSE, BITUMINOUS CONCRETE BINDER, AND SURFACE COURSE, SHALL BE SUBMITTED TO THE ENGINEER FOR VERIFICATION. DEFICIENCIES IN TOTAL BITUMINOUS CONCRETE PAVEMENT THICKNESS SHALL BE ADJUSTED FOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTIONAL AUTHORITY

#### 3. <u>UNDERGROUND IMPROVEMENTS</u>

#### A. SANITARY SEWER MAINS AND SERVICES

- A.POLYVINYL CHLORIDE PIPE (PVC), WHICH SHALL MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF ASTM D-2241-05 (OR LATEST EDITION), SDR-26 AND BE IN ACCORDANCE WITH STANDARD CITY SPECIFICATIONS FOR CONSTRUCTION AND INSTALLATION.
- B. DUCTILE IRON PIPE (DIP), WHERE INDICATED ON THE PLANS, WHICH SHALL MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF ANSI/AWWA C151/AWWA C151/4.21.51-02 (OR LATEST EDITION).

#### 2. <u>JOINTS</u> SHALL BE:

- A.FOR PVC; RING-TITE TYPE, ASTM D-3139-98 (OR LATEST EDITION).
- B. FOR DIP; PUSH-ON (BELL-TITE) TYPE, ANSI/AWWA C111/A.21.11-00 (OR LATEST EDITION). C. JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS; CASCADE CSS, ROMAC LSS, FERNCO, INC. SHEAR RING OR APPROVED EQUAL. WHEN AVAILABLE, A STANDARD JOINT WITH A TRANSITION GASKET MAY BE USED.
- 3. <u>BEDDING</u> SHALL BE AS DETAILED ON THE ENGINEERING PLAN.
- 4. <u>COVER</u> OVER THE PIPE SHALL BE AS DETAILED ON THE ENGINEERING PLANS.
- 5. <u>SLOPE</u> FOR AN 8-INCH DIAMETER PIPE SHALL BE A MINIMUM OF 0.40%. FOR A 6 INCH DIAMETER PIPE, A MINIMUM OF 1.00%.
- WYES SHALL BE PROVIDED ON THE NEW SANITARY SEWERS FOR PROPOSED BUILDING SERVICES. ALL CONNECTIONS TO EXISTING SANITARY SEWERS NOT HAVING WYES SHALL BE MADE WITH A "SEWER TAP" FOR BUILDING SERVICES AND WITH A MANHOLE FOR SEWER EXTENSIONS. ALL TAPS SHALL INCLUDE A PROPERLY INSTALLED HUB WYE SADDLE.
- 7. <u>"BAND SEAL"</u> OR SIMILAR COUPLINGS SHALL BE USED WHEN JOINING PIPES OF DISSIMILAR
- 8. <u>SERVICES SHALL EXTEND FIVE (5) FEET INSIDE THE PROPERTY LINE, OR TO WITHIN FIVE (5)</u> FEET FROM THE FACE OF A PROPOSED BUILDING BEING SERVED (MULTI-FAMILY AND COMMERCIAL DEVELOPMENT). THE TERMINATION POINTS SHALL BE CLEARLY LOCATED WITH A GREEN-TOPPED 4 INCH X 4 INCH STAKE.
- 9. <u>SIZES</u> SHALL BE AS INDICATED ON THE ENGINEERING PLAN.
- 10.SANITARY PIPES WITH LESS THAN 4 FEET OR MORE THAN 25 FEET OF COVER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPING (CLASS 50. MINIMUM) AND ENCASED IN POLYWRAP.
- 11.MANHOLES SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER WITH THE WORD "SANITARY" IMPRINTED ON THE COVER IN RAISED LETTERS (SEE STANDARD DETAIL SAN -7). FRAMES AND LIDS SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS.
- 12.BOTH THE MANHOLE FRAME AND COVER SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. INVERTED MANHOLE FRAMES ARE NOT ALLOWED.
- 13.PICK HOLES SHALL NOT CREATE OPENINGS IN THE MANHOLE COVER. 14.BOLT-DOWN FRAMES AND COVERS SHALL BE NEENAH FOUNDRY R-1916-F1, EAST JORDAN IRON
- CONE. BOLT-DOWN FRAMES SHALL BE USED WHERE INDICATED ON THE PLANS. 15.MANHOLE FRAMES SHALL BE ADJUSTED TO PROPER GRADE USING REINFORCED, PRECAST CONCRETE OR FIBERIZED RINGS. BRICK OR CONCRETE BLOCKS WILL NOT BE ALLOWED. FIBERIZED ADJUSTING RINGS SHALL BE REQUIRED WHEN FRAME WILL BE WITHIN A ROADWAY AREA. FINAL

WORKS 1040 ZPT OR EQUAL APPROVED BY THE CITY ENGINEER. FRAMES ARE TO BE BOLTED TO

PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION. 16.ALL MANHOLE FRAMES AND ADJUSTING RINGS SHALL BE SECURELY SEALED TO THE CONE SECTION OR TOP BARREL SECTION OF THE MANHOLE USING RESILIENT, FLEXIBLE, NON-HARDENING, PREFORMED BITUMINOUS MASTIC MATERIAL. CONSEAL 102 B OR APPROVED EQUAL. THE MASTIC SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE MANHOLE THROUGH GAPS BETWEEN THE TOP BARREL SECTION OR CONE SECTION AND THE FIRST ADJUSTING RING, BETWEEN ADJUSTING RINGS, OR BETWEEN THE LAST ADJUSTING RING AND THE MANHOLE FRAME. UP TO 12 INCHES (300 MM) OF ADJUSTING RINGS MAY BE INSTALLED ON A GIVEN MANHOLE. NO MORE THAN ONE 2" (50 MM) ADJUSTING RING, AND NO MORE THAN TWO

FRAME ADJUSTMENT FOR MANHOLES WITHIN THE ROADWAY AREA SHALL BE IN ACCORDANCE WITH

SECTIONS 602 AND 603 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION,

17.A CONTINUOUS LAYER OF NON-HARDENING, PREFORMED BITUMINOUS MASTIC MATERIAL, CONSEAL 102 B OR APPROVED EQUAL SHALL BE APPLIED TO EACH MANHOLE BARREL CONE AND TOP SECTION TO PROVIDE A WATERTIGHT SEAL.

#### B. WATER MAIN AND SERVICES

ADJUSTING RINGS IN TOTAL SHALL BE USED.

MATERIAL FOR THE WATER MAIN SHALL BE DUCTILE IRON PIPE, WHICH SHALL MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF ANSI A21.51, CLASS 52 CEMENT LINED. IF SMALLER THAN 3". WATER SERVICE MATERIAL SHALL BE TYPE "K" COPPER. ALL DUCTILE IRON PIPE IS TO BE ENCASED IN POLYETHYLENE ENCASEMENT.

FOR THE DUCTILE IRON PIPE SHALL BE THE PUSH-ON (BELL-TITE) TYPE

- A. ALL RETAINER GLANDS WHEN REQUIRED TO RESTRAIN VALVES, FITTINGS, HYDRANTS, AND PIPE JOINTS SHALL BE MECHANICAL JOINT WEDGE ACTION TYPE MEGALUG 1100 SERIES AS MANUFACTURED BY EBBA IRON, INC. OR UNI-FLANGE BLOCKBUSTER 1400 SERIES AS MANUFACTURED BY FORD METER BOX CO. AND SHALL BE FOR USE ON DUCTILE IRON PIPE
- CONFORMING TO ANSI/AWWA C151/A21.51, FOR NOMINAL PIPE SIZES 3" THROUGH 48". B. EXISTING DUCTILE IRON SYSTEMS FOR RESTRAINING PUSH-ON PIPE BELLS SHALL BE MEGALUG SERIES
- C.EXISTING DUCTILE IRON SYSTEMS REQUIRING RESTRAINT SHALL BE MEGALUG SERIES 1100SD (SPLIT MEGALUG) FOR MECHANICAL JOINTS
- D. STAINLESS STEEL NUTS, BOLTS/T-BOLTS, AND WASHERS, TYPE 304 OR BETTER, WILL BE ON ALL WATER MAIN INSTALLATIONS. THIS WOULD APPLY TO HYDRANTS, TAPPING SLEEVES, VALVES, FITTINGS, RESTRAINTS AND OTHER APPURTENANCES BURIED OR IN VALVE VAULT. MECHANICAL JOINTS AND RESTRAINT GLANDS REQUIRE 304 STAINLESS STEEL T-BOLTS. AN ANTI-SEIZE COMPOUND SHALL BE FACTORY APPLIED TO NUTS OR BOLTS-ANY DAMAGE TO THIS COATING SHALL BE REPAIRED WITH FIELD APPLIED APPROVED ANTI-SEIZE COMPOUND THAT IS A MOLYBDENUM-BASE LUBRICANT, BOSTIK NEVER-SEEZ OR APPROVED EQUAL.

## FOR TYPE "K" COPPER

1100HD OR FORD SERIES 1390

- A.IF JOINTS ARE REQUIRED DUE TO OF LENGTH OF SERVICE, THEN ONLY COMPRESSION TYPE COUPLINGS
- SHALL BE PERMITTED. NO SOLDERED OR FLARED TYPE JOINTS ARE ALLOWED. 3. <u>COVER</u> OVER THE PIPE SHALL BE AS INDICATED ON THE ENGINEERING PLANS.
- 4. <u>POLYETHYLENE ENCASEMENT</u>, CONFORMING TO AWWA C105 A21.05-05 SHALL BE PROVIDED FOR ALL
- 5. <u>SERVICES SHALL TERMINATE TO WITHIN FIVE (5) FEET FROM THE FACE OF A PROPOSED BUILDING</u> BEING SERVED (MULTI-FAMILY AND COMMERCIAL DEVELOPMENT). THE TERMINATION POINTS SHALL BE CLEARLY LOCATED WITH A BLUE-TOPPED 4-INCH X 4-INCH STAKE.
- 6. SIZES SHALL BE AS INDICATED ON THE ENGINEERING PLAN.

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RAWN BY:

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A. ALL VALVE BOXES, VAULTS, HYDRANTS, AND MANHOLES SHALL NOT BE COVERED WITH CONSTRUCTION DEBRIS AND SHALL REMAIN ACCESSIBLE TO THE RESPECTIVE UTILITY COMPANY.

B. THE VALVES LESS THAN 16" SHALL BE STANDARD PATTERN, GATE VALVES, AND SHALL HAVE THE NAME

- OR MARK OF THE MANUFACTURER. SIZE AND WORKING PRESSURE PLAINLY CAST IN RAISED LETTERS ON THE VALVE BODY. VALVES MAY BE APPROVED FROM ONE OF THE FOLLOWING MANUFACTURERS: AMERICAN, CLOW, WATEROUS OR KENNEDY
- C. THE CONTRACTOR SHALL ROTATE AND/OR ADJUST ANY EXISTING AND/OR NEW HYDRANT TO THE SATISFACTION OF THE DEPARTMENT OF PUBLIC UTILITIES.
- D.FIRE HYDRANT SHOULD BE BAGGED "NOT IN SERVICE" UNTIL ALL TESTING AND DISINFECTION HAS BEEN COMPLETED AND NEW WATER MAIN SECTION IS IN SERVICE.
- 8. NEW WATER VALVES, INCLUDING PRESSURE TAP VALVES, ADJACENT TO AN EXISTING WATER MAIN, AND EXISTING WATER MAIN VALVES SHALL ONLY BE OPERATED BY THE CITY OF NAPERVILLE, DEPARTMENT OF PUBLIC UTILITIES CEE/CM DIVISION PERSONNEL WITH 48-HOUR NOTICE (MONDAY-FRIDAY). CONTACT NAPERVILLE DPU-W AT 630-420-4122 FOR SCHEDULING.
- 9. ALL BRASS COMPONENTS SHALL BE CERTIFIED TO BE LEAD FREE IN COMPLIANCE WITH NSF 61 AND NSF 372 AND IDENTIFIED WITH APPLICABLE MARKINGS.
- 10.FIRE SERVICE BOXES AND DOMESTIC WATER SERVICES SHALL BE A MINIMUM OF 5' FROM THE

#### C. STORM SEWER

- 1. MATERIAL SHALL BE:
- A.REINFORCED CONCRETE PIPE (RCP), WHICH SHALL MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF ASTM C-76, CLASS AS INDICATED ON THE ENGINEERING PLANS.
- B. DUCTILE IRON PIPE (DIP), WHERE INDICATED ON THE PLANS, WHICH SHALL MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF ANSI A21.51, CLASS 50 CEMENT-LINED.
- C.POLYVINYL CHLORIDE PIPE (PVC), WHERE INDICATED ON THE PLANS, WHICH SHALL MEET OR EXCEED THE
- PERFORMANCE REQUIREMENTS OF ASTM D-2241, SDR-26.
- A.FOR RCP; BELL AND SPIGOT TYPE WITH BITUMINOUS MASTIC OR ASTM C 361 GASKETED JOINTS WHERE INDICATED ON THE ENGINEERING PLAN.
- B. FOR DIP; PUSH-ON (BELL-TITE) TYPE ANSI A21.11.
- C.FOR PVC; RING-TITE TYPE. 3. <u>BEDDING</u> SHALL BE AS DETAILED ON THE ENGINEERING PLAN
- 4. <u>SIZE</u> SHALL BE AS INDICATED ON THE ENGINEERING PLAN.

#### D. TRENCH BACKFILL MATERIAL

- 1. TRENCH BACKFILL MATERIAL SHALL CONSIST OF CA-6 AGGREGATE.
- 2. ALL TRENCHES UNDER OR WITHIN 2' OF AN EXISTING OR PROPOSED CURB AND/OR PAVEMENT ARE TO BE BACKFILLED WITH TRENCH BACKFILL MATERIAL.
- 3. BACKFILL TRENCHES IN LANDSCAPE AREAS ACCORDING TO THE TYPICAL TRENCH BACKFILL DETAILS.

#### E. <u>INCIDENTAL TO CONSTRUCTION</u>

THE UNDERGROUND CONTRACTOR SHALL:

- 1. ADHERE TO THE CRITERIA FOR THE SEPARATION BETWEEN WATER MAINS AND THE STORM AND SANITARY SEWER LINES AS DESCRIBED IN THE "TECHNICAL POLICY STATEMENTS", DIVISION OF PUBLIC WATER SUPPLIES, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (SEE STANDARD
- 2. BE RESPONSIBLE TO PLACE ON GRADE, AND COORDINATE WITH OTHER CONTRACTORS, ALL
- UNDERGROUND UTILITY STRUCTURE FRAMES SUCH AS MANHOLES, CATCH BASINS, AND INLETS. 3. BE AWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES. THE CONTRACTOR SHALL EXCAVATE AROUND THE EXISTING UTILITIES TO DETERMINE THEIR EXACT LOCATION AND ELEVATION PRIOR TO
- THE CONSTRUCTION OF THE PROPOSED UTILITY IMPROVEMENTS. 4. PROVIDE POURED CONCRETE FILLETS CONFORMING TO THE SHAPE OF THE PIPE IN ALL SANITARY
- AND STORM MANHOLES, AND INLETS. 5. BE RESPONSIBLE FOR MAINTAINING THE TOP OF ANY UTILITY TRENCH AT LEAST TWO (2) FEET AWAY FROM ANY EXISTING OR PROPOSED CURB OR PAVEMENT, IN THOSE INSTANCES WHERE THE TRENCH RUNS PARALLEL TO SAID CURB OR PAVEMENT.
- 6. BE RESPONSIBLE FOR THE DEWATERING OF UTILITY TRENCHES DURING CONSTRUCTION AND PROVIDING THE NECESSARY TRENCH BRACING THAT MAY BE REQUIRED TO ASSURE SAFE WORKING CONDITIONS.
- REMOVE SOFT MATERIALS THAT MAY BE ENCOUNTERED AT THE PIPE INVERT ELEVATION TO A DEPTH OF AT LEAST ONE (1) FT. BELOW THE BOTTOM OF THE PIPE, AND BACKFILL WITH COMPACTED BEDDING
- FROM LEAKS IN THE WATER DISTRIBUTION SYSTEM. THE COST OF REPAIR FOR SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR. HOSES SHOULD BE USED TO DIRECT THE WATER FROM HYDRANT FLUSHING INTO THE STORM SEWER SYSTEM (IF AVAILABLE). 9. REPAIR ANY EXISTING FIELD DRAINAGE TILE DAMAGED DURING CONSTRUCTION, AND PROPERLY

8. NOT DAMAGE THE ROAD SUBGRADE WITH EXCESSIVE WATER SATURATION FROM HYDRANT FLUSHING, OR

- REROUTE AND/OR CONNECT SAID TILE TO THE NEAREST STORM SEWER OUTLET. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE CONTRACTOR'S RECORD 10. FURNISH ONE (1) SET OF RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE SANITARY
- BOXES, AND ALL CROSSINGS WITH OTHER UTILITIES 11.BE RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND OF THE "SOIL EROSION AND SEDIMENTATION
- CONTROL MEASURES" AS APPLICABLE. 12.ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT OR RECONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY OWNER. ADJUSTMENTS AND/OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE

CONTRACT. NO MORE THAN A TOTAL OF 12 INCHES OF ADJUSTING RINGS AND/OR 2 ADJUSTING RINGS

SEWERS AND WATER MAINS. DRAWINGS SHALL SHOW THE LOCATION OF ALL SANITARY SEWER WYES

(MEASURED FROM THE NEAREST DOWNSTREAM MANHOLE), HYDRANTS, VALVES, INDIVIDUAL SERVICE

SHALL BE ALLOWED. ALL STRUCTURE FRAMES SHALL BE FLUSH WITH FINAL GRADE. 13.A SET OF AS-BUILT RECORD DRAWINGS SHALL BE GIVEN TO THE CITY OF NAPERVILLE AND OWNER UPON COMPLETION OF IMPROVEMENTS SHOWING THE ELEVATION AND LOCATION (TIED TO TWO POINTS) OF ALL NEW AND EXISTING STRUCTURES INCLUDING FIRE HYDRANTS, VALVE BOXES AND VAULTS, LINESTOP SLEEVES WATER SERVICE CORPORATION STOPS WATER MAIN FITTINGS/BENDS MANHOLES SANITARY SERVICE WYES (MEASURED FROM DOWNSTREAM MANHOLE), AND ABANDONED WATER OR SANITARY SERVICE LINES. ALL ELEVATIONS SHOULD BE REFERENCED TO THE SAME BENCHMARK DATUM AS THE ORIGINAL DESIGN PLANS. HORIZONTAL TIES SHALL BE REFERENCED TO LOT LINES, BACK OF CURB, OR

15.CONTRACTOR SHALL MAINTAIN A TWO FOOT MINIMUM CLEARANCE BETWEEN EXISTING UTILITIES AND

LINDERGROUND FACILITIES ARE PROPOSED AD IACENT TO EXISTING UTILITIES. THE CONTRACTOR SHALL

POT HOLE BY VACUUM EXCAVATION OR HAND EXCAVATION TO LOCATE THE EXISTING UTILITY TO VERIFY

14.ALL EXCAVATIONS MORE THAN 20 FEET DEEP MUST BE PROTECTED BY A SYSTEM DESIGNED BY A

NEW FOUNDATIONS AND UNDERGROUND FACILITIES. IN AREAS WHERE FOUNDATIONS AND

REGISTERED PROFESSIONAL ENGINEER

MINIMUM CLEARANCE REQUIREMENT

#### F. TESTING AND FINAL ACCEPTANCE

- SANITARY SEWER MAINS AND SERVICES SHALL BE CONSTRUCTED. TESTED. AND PLACED INTO SERVICE IN ACCORDANCE WITH THE CITY OF NAPERVILLE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION. SERVICE STUBS MUST BE PROPERLY PLUGGED AND SEALED AND CLEARLY LOCATED AT THEIR TERMINATION POINTS PRIOR TO TESTING. ALL SEWER MAINS AND SERVICE LINES AND MANHOLES SHALL BE CLEAN AND FREE OF DEBRIS PRIOR TO THEIR FINAL
- 2. SANITARY MANHOLES SHALL BE TESTED FOR LEAKAGE BY VACUUM TESTING. THE MANHOLE FRAME AND ADJUSTING RINGS SHALL BE IN PLACE WHEN TESTING. ANY LEAKS SHALL BE REPAIRED FROM EXTERIOR OF MANHOLE - PATCHING INSIDE OF MANHOLE SHALL NOT BE ACCEPTABLE. A VACUUM OF 10"(254 MM) HG SHALL BE PLACED ON THE MANHOLE AND THE TIME SHALL BE MEASURED FOR THE VACUUM TO DROP TO 9"(229 MM)HG. THE VACUUM SHALL NOT DROP BELOW 9"(229 MM)HG FOR THE FOLLOWING TIME PERIODS FOR EACH SIZE OF MANHOLE:
- a) 48-INCH DIAMETER 60 SECONDS b) 60-INCH DIAMETER - 75 SECONDS
- c) 72-INCH DIAMETER 90 SECONDS
- d) 84-INCH DIAMETER 105 SECONDS
- ANY MANHOLES THAT FAIL THE TEST SHALL BE SEALED AND RE-TESTED UNTIL ACCEPTANCE.
- 3. STORM SEWER AND ALL STORM STRUCTURES SHALL BE CLEAN AND FREE OF DEBRIS PRIOR TO THEIR FINAL ACCEPTANCE.
- 4. WATER MAIN SHALL BE PRESSURE TESTED AT A PRESSURE OF NOT LESS THAN 150 PSI FOR A PERIOD OF 4 HOURS AND MAY NOT VARY BY MORE THAN  $\pm 5$  PSI. DURING THE TEST. THE TEST GAUGE SHALL BE APPROVED BY THE CITY AND SHALL BE GLYCERIN OR OIL FILLED, WITH A RANGE OF NOT MORE THAN 200 PSI AND INCREMENTS NOT GREATER THAN 5 PSI. 4" MINIMUM DIAL SIZE. DISINFECTION OF WATERMAIN SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF NAPERVILLE SPECIFICATIONS. ALL VALVE VAULTS SHALL BE CLEAN AND FREE OF DEBRIS AND WATER, AND INDIVIDUAL SERVICE BOXES SHALL BE VISIBLE AND CLEARLY LOCATED PRIOR TO THEIR FINAL ACCEPTANCE.
- 5. ALL VALVE BOXES, VAULTS, HYDRANTS, AND MANHOLES SHALL NOT BE COVERED WITH CONSTRUCTION DEBRIS AND SHALL REMAIN ACCESSIBLE TO THE RESPECTIVE UTILITY COMPANY.

### 4. <u>LANDSCAPE IMPROVEMENTS</u>

1. TREES SHALL BE INSTALLED A MINIMUM OF FIVE (5) FEET HORIZONTALLY FROM UNDERGROUND ELECTRICAL

FEEDERS, SANITARY SEWERS, SANITARY SERVICES, WATER MAINS, AND WATER SERVICES.

FEET TO THE REAR OF THE ELECTRICAL TRANSFORMER.

- 2. TREES SHALL BE INSTALLED A MINIMUM OF (10) FEET HORIZONTALLY FROM UTILITY STRUCTURES AND APPURTENANCES, INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVE VAULTS, VALVE BOXES AND FIRE
- 3. NO TREES, SHRUBS OR OBSTACLES WILL BE ALLOWED 10 FEET IN FRONT OF, 5 FEET ON THE SIDES, AND 7
- 4. FENCES SHALL BE INSTALLED A MINIMUM OF 5 FEET FROM ANY WATER OR SANITARY MAINS WHEN RUNNING PARALLEL WITH THEM. WHERE FENCES ARE INSTALLED CROSSING WATER OR SANITARY MAINS, THE POSTS SHALL BE LOCATED TO HAVE THE MAIN BETWEEN THEM

DATE BY

DESCRIPTION DATE BY DESCRIPTION HECKED BY: 0-01-22 D.J. PER REVIEW PPROVED BY: 12-15-22 D.J. PER REVIEW 02-06-23 | D.J. | PER REVIEW

DAVE JOHNSON

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SCALE: NONE DATE: 10-01-22 IOB NO: 0000