CASE #PL2020-79

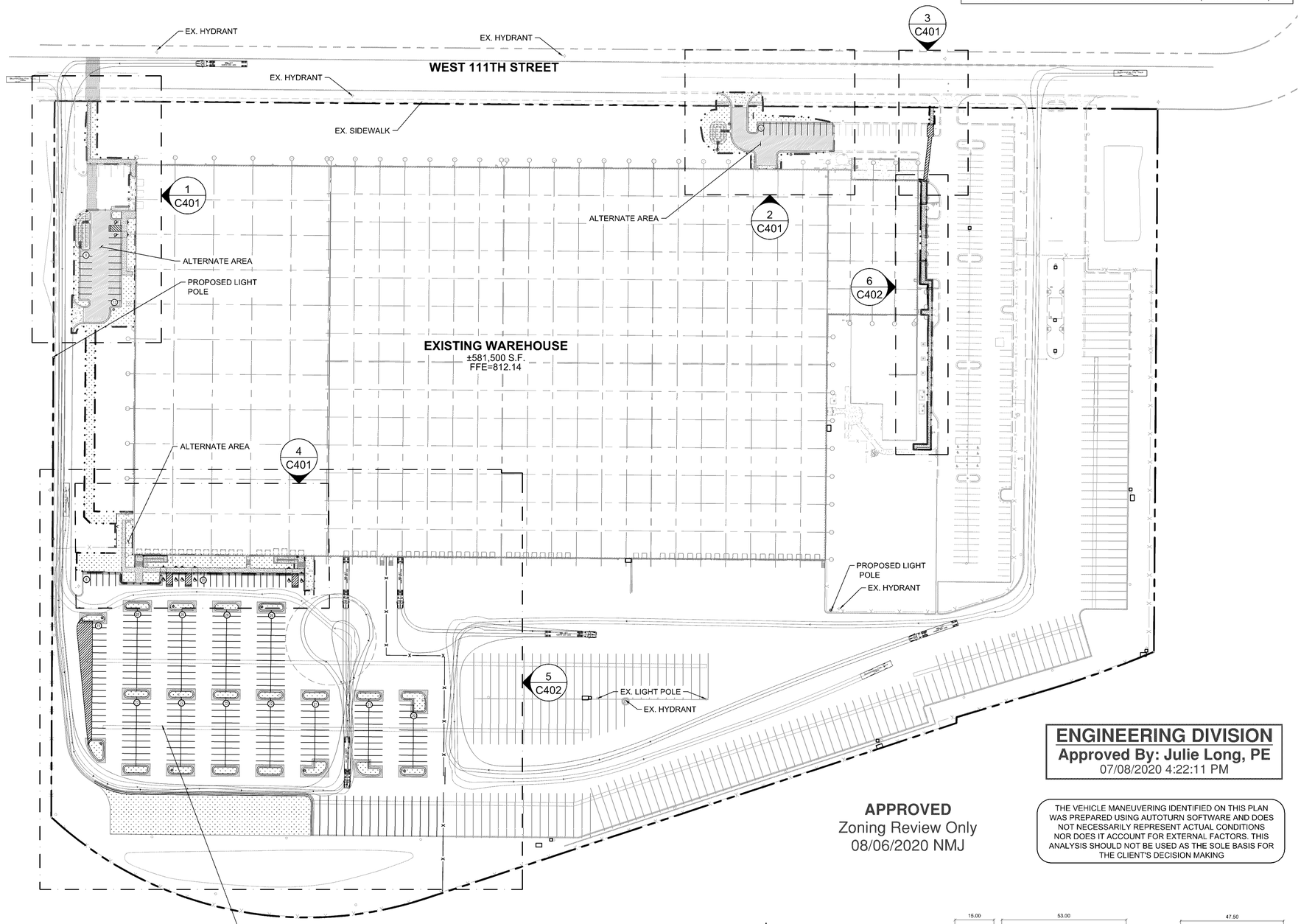
ALTERNATES LIST:
ALT #1: NORTHEAST PARKING AREA, NEW WILL CALL VESTIBULE, AND WILL CALL OVERHEAD DOOR

ALT #2: NORTHWEST PARKING AREA ADDITION/MODIFICATION

ALT #3: PATIO AREA AT SOUTHWEST CORNER OF THE BUILDING

ALT #4: STUDIO STAGE AREA WALL CONSTRUCTION (ARCHITECTURAL)

ALT #5: STUDIO AREA SHOWER ROOM AND JANITOR CLOSET (ARCHITECTURAL)



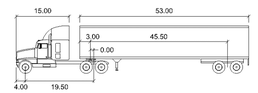
ENGINEERING DIVISION
Approved By: Julie Long, PE
07/08/2020 4:22:11 PM

APPROVED
Zoning Review Only
08/06/2020 NMJ

THE VEHICLE MANEUVERING IDENTIFIED ON THIS PLAN WAS PREPARED USING AUTOTURN SOFTWARE AND DOES NOT NECESSARILY REPRESENT ACTUAL CONDITIONS NOR DOES IT ACCOUNT FOR EXTERNAL FACTORS. THIS ANALYSIS SHOULD NOT BE USED AS THE SOLE BASIS FOR THE CLIENT'S DECISION MAKING

NORTH

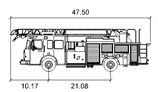
GRAPHIC SCALE IN FEET
0 40 80 160



WB-67

feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 26.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		



Bloomington Fire Truck

feet

Width	: 8.33
Track	: 8.33
Lock to Lock Time	: 6.0
Steering Angle	: 40.0

1

LEGEND

- PROPERTY LINE
- PROPOSED CHAIN LINK FENCE
- SETBACK LINE
- RETAINING WALL
- PROPOSED CURB AND GUTTER
- PROPOSED LANDSCAPING
- PROPOSED STANDARD DUTY ASPHALT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STORMWATER MANAGEMENT AREA
- PROPOSED CONCRETE SIDEWALK
- REMOVE AND REPLACE EXISTING PAVEMENT OR CURB AND GUTTER FOR PROPOSED UTILITY SERVICE EXCAVATIONS, MATCH EXISTING PAVEMENT SECTION PER CITY OF BLOOMINGTON STANDARDS AND RE-STRIPE PAVEMENT MARKINGS
- BID ALTERNATE AREA

PROPERTY SUMMARY

BEST BUY DISTRIBUTION CENTER	
TOTAL PROPERTY AREA	1,611,728 SF (37.00 AC)
ADDED IMPERVIOUS AREA	24,632 SF (0.56 AC)
ADDED PERVIOUS AREA	27,370 SF (0.63 AC)

ZONING SUMMARY	
EXISTING ZONING	IP - INDUSTRIAL PARK
PROPOSED ZONING	IP - INDUSTRIAL PARK

PARKING	
EXISTING PARKING	228 SPACES
PROPOSED PARKING	332 SPACES
PROOF OF PARKING	377 SPACES
TOTAL PARKING	937 SPACES
ADA STALLS REQ'D / PROVIDED	12 STALLS / 13 STALLS

SITE PLAN NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL INNER CURBED RADII ARE TO BE 3' AND OUTER CURBED RADII ARE TO BE 10' UNLESS OTHERWISE NOTED. STRIPED RADII ARE TO BE 5'.
4. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
5. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
7. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY EFN, DATED 01/22/2020. SURVEY BASED ON NAVD88 DATUM.

   KIMLEY-HORN ASSUMES NO LIABILITY FOR ANY ERRORS, INACCURACIES, OR OMISSIONS CONTAINED THEREIN.
8. PYLON / MONUMENT SIGNS SHALL BE CONSTRUCTED BY OTHERS. SIGNS ARE SHOWN FOR GRAPHICAL & INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY SIZE, LOCATION AND ANY REQUIRED PERMITS NECESSARY FOR THE CONSTRUCTION OF THE PYLON / MONUMENT SIGN.
9. CONTRACTOR SHALL REFERENCE ARCH / MEP PLANS FOR SITE LIGHTING AND ELECTRICAL PLAN.
10. NO PROPOSED LANDSCAPING SUCH AS TREES OR SHRUBS, ABOVE AND UNDERGROUND STRUCTURES, OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN EXISTING OR PROPOSED UTILITY EASEMENTS AND RIGHTS OF WAY UNLESS SPECIFICALLY NOTED ON PLANS OTHERWISE.
11. REFERENCE ARCHITECTURAL PLANS FOR DUMPSTER ENCLOSURE DETAILS.
12. REFER TO FINAL PLAT OR ALTA SURVEY FOR EXACT LOT AND PROPERTY BOUNDARY DIMENSIONS.
13. ALL AREAS ARE ROUNDED TO THE NEAREST SQUARE FOOT.
14. ALL DIMENSIONS ARE ROUNDED TO THE NEAREST TENTH FOOT.
15. ALL PARKING STALLS TO BE 9' IN WIDTH AND 20' IN LENGTH UNLESS OTHERWISE INDICATED.
16. CONTRACTOR SHALL OBTAIN A PUBLIC WORKS PERMIT FOR OBSTRUCTIONS AND CONCRETE WORK WITHIN THE RIGHT-OF-WAY. PERMIT IS REQUIRED PRIOR TO REMOVALS OR INSTALLATION. CONTACT SEAN JENKINS (952-563-4545, SJENKINS@BLOOMINGTONMN.GOV) FOR PERMIT INFORMATION.
17. ALL CONSTRUCTION AND POST-CONSTRUCTION PARKING AND STORAGE OF EQUIPMENT AND MATERIALS MIST BE ON-SITE. USE OF PUBLIC STREETS FOR PRIVATE CONSTRUCTION PARKING, LOADING/UNLOADING, AND STORAGE WILL NOT BE ALLOWED.

No.	DATE	BY
2	06/05/2020	BPG
1	06/01/2020	BPG

REVISIONS

Kimley»Horn
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767 EUSTIS STREET, SUITE 100
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PHONE: 651-645-4197
WWW.KIMLEY-HORN.COM

reprise DESIGN Architecture, Inc

BEST BUY

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PATRICIA D. SIEH
DATE: 4/30/2020 LIC. NO. 46848 MN

KHA PROJECT	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
160167000	AS SHOWN	BPG	BPG	TDS
DATE 06/05/2020				

OVERALL SITE PLAN

BEST BUY
DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
C400

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

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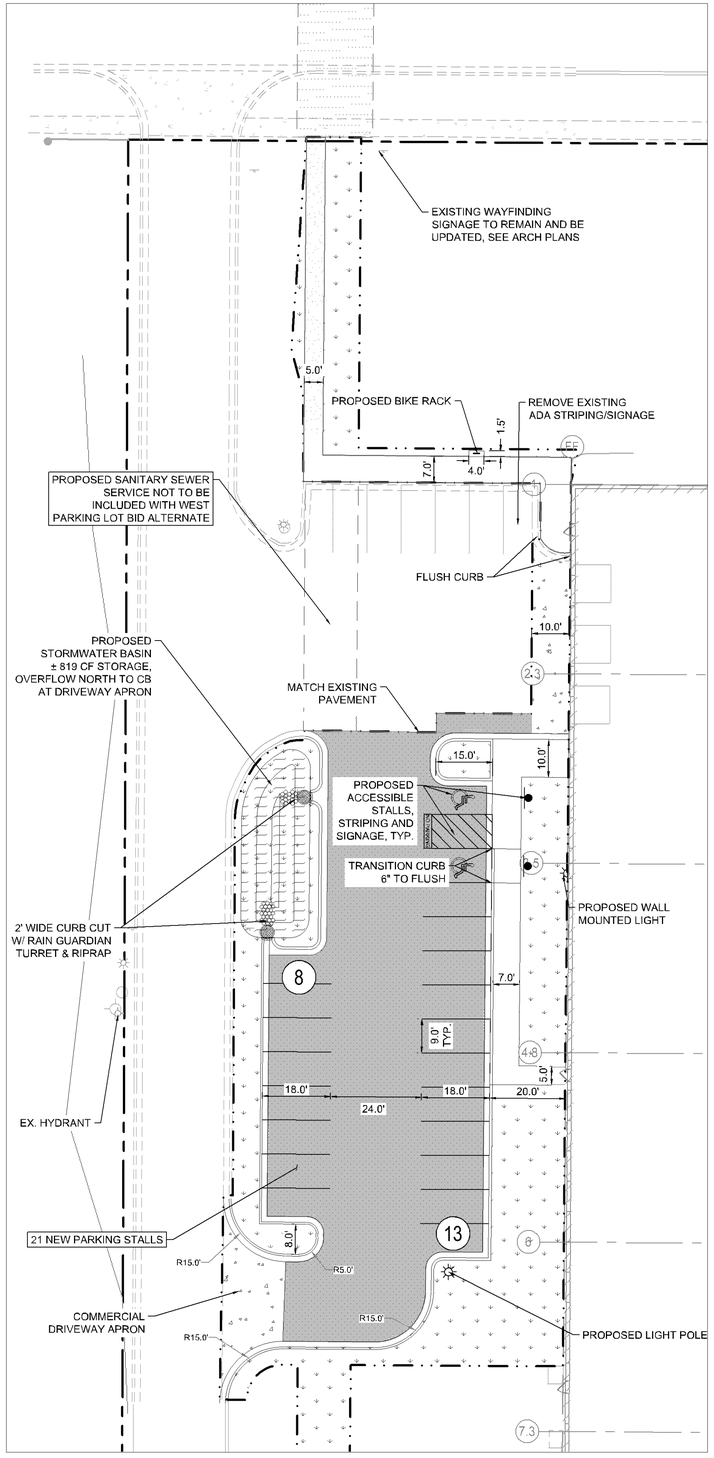
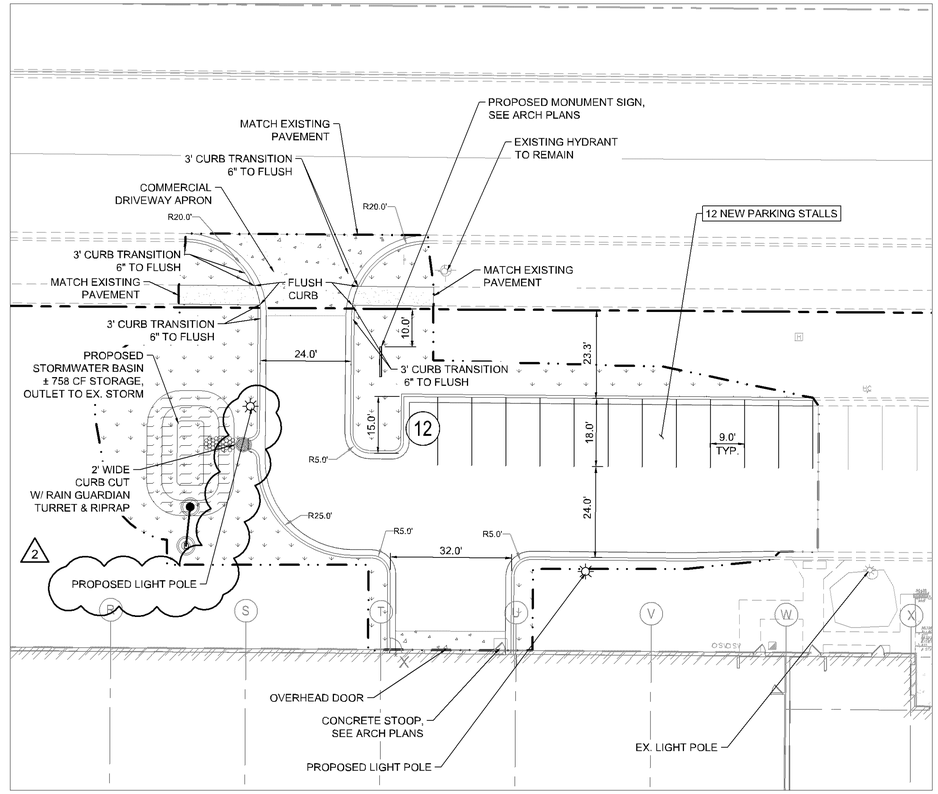
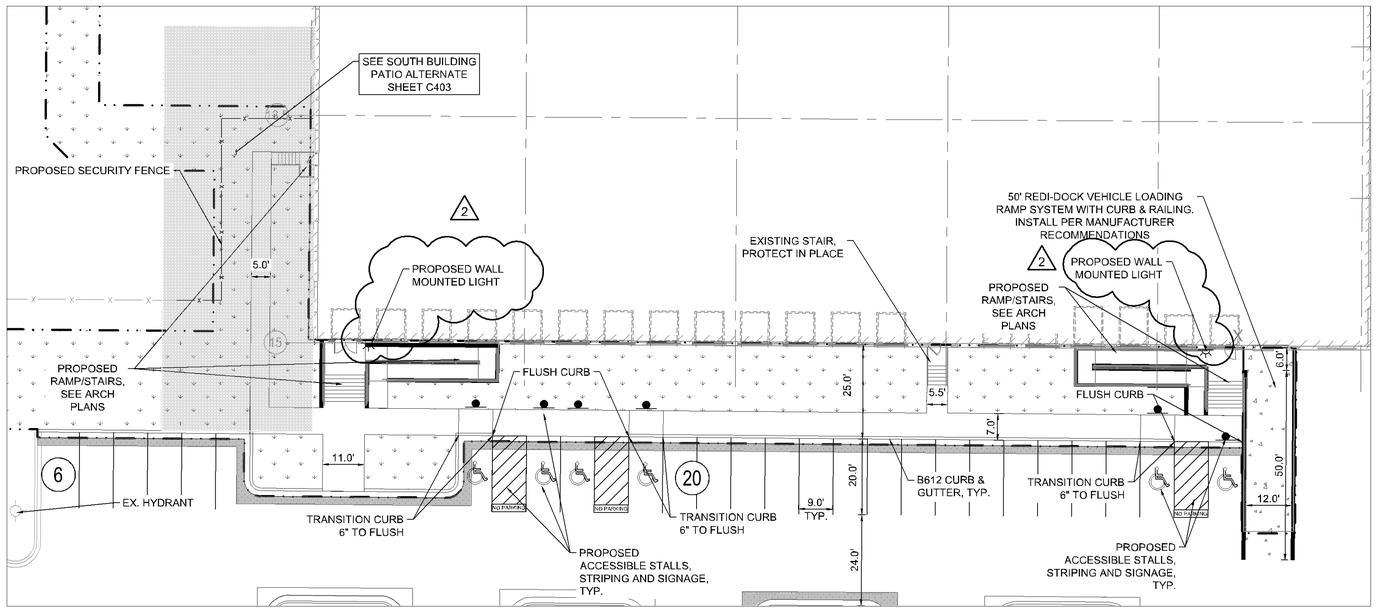
CASE #PL2020-79



1 NORTHWEST PARKING LOT (ALT #2)
1:20



2 NORTHEAST PARKING LOT (ALT #1)
1:20



4 SOUTH BUILDING ACCESS
1:20

LEGEND

- PROPERTY LINE
- PROPOSED CHAIN LINK FENCE
- SETBACK LINE
- RETAINING WALL
- PROPOSED CURB AND GUTTER
- PROPOSED LANDSCAPING
- PROPOSED STANDARD DUTY ASPHALT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STORMWATER BASIN
- PROPOSED CONCRETE SIDEWALK
- REMOVE AND REPLACE EXISTING PAVEMENT OR CURB AND GUTTER FOR PROPOSED UTILITY SERVICE EXCAVATIONS, MATCH EXISTING PAVEMENT SECTION PER CITY OF BLOOMINGTON STANDARDS AND RE-STRIPE PARKING STALLS

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

APPROVED
Zoning Review Only
08/06/2020 NMJ

ENGINEERING DIVISION
Approved By: Julie Long, PE
07/08/2020 4:22:34 PM

No.	REVISIONS	DATE	BY
2	ADDENDUM 2	06/05/2020	BPG
1	ADDENDUM 1	06/01/2020	BPG

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PATRICIA D. SIEH
DATE: 4/30/2020
LIC. NO. 46848
MN

KHA PROJECT	160167000
DATE	06/05/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

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BEST BUY
DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

ENLARGED SITE PLAN

SHEET NUMBER
C401

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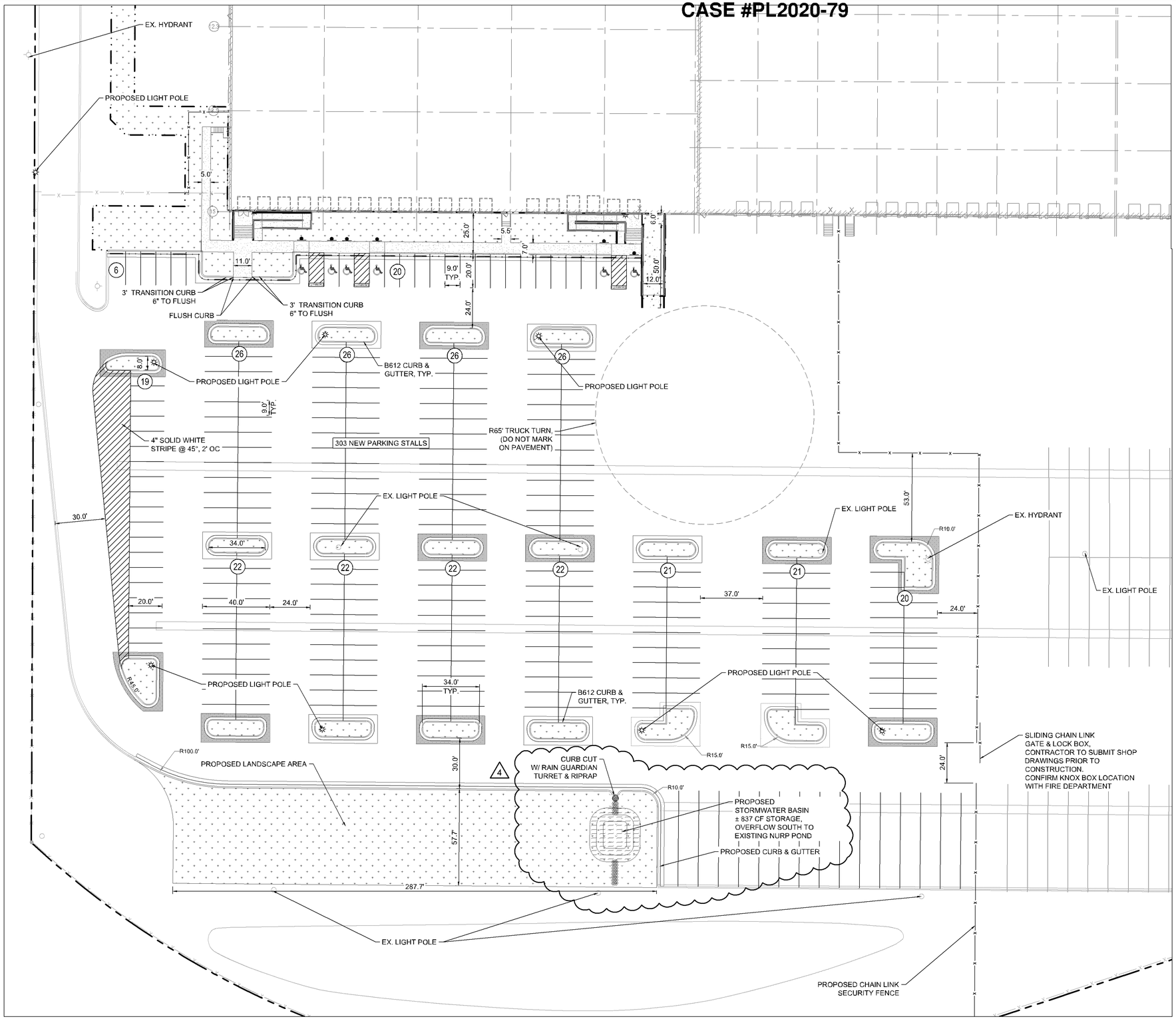

LEGEND

- PROPERTY LINE
- PROPOSED CHAIN LINK FENCE
- SETBACK LINE
- RETAINING WALL
- PROPOSED CURB AND GUTTER
- PROPOSED LANDSCAPING
- PROPOSED STANDARD DUTY ASPHALT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STORMWATER BASIN
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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

ENGINEERING DIVISION
Approved By: Julie Long, PE
07/08/2020 4:22:46 PM

5 **SOUTH PARKING LOT**
1:30

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No.	REVISIONS	DATE	BY
4	CITY STORMWATER COMMENTS	06/30/2020	BPG
3	ADDENDUM 2	06/05/2020	BPG
2	ADDENDUM 1	06/01/2020	BPG

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PATRICIA D. SIEH
MN
DATE: 4/30/2020 LIC. NO. 46848

KHA PROJECT	160167000
DATE	06/30/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

ENLARGED SITE PLAN

BEST BUY DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
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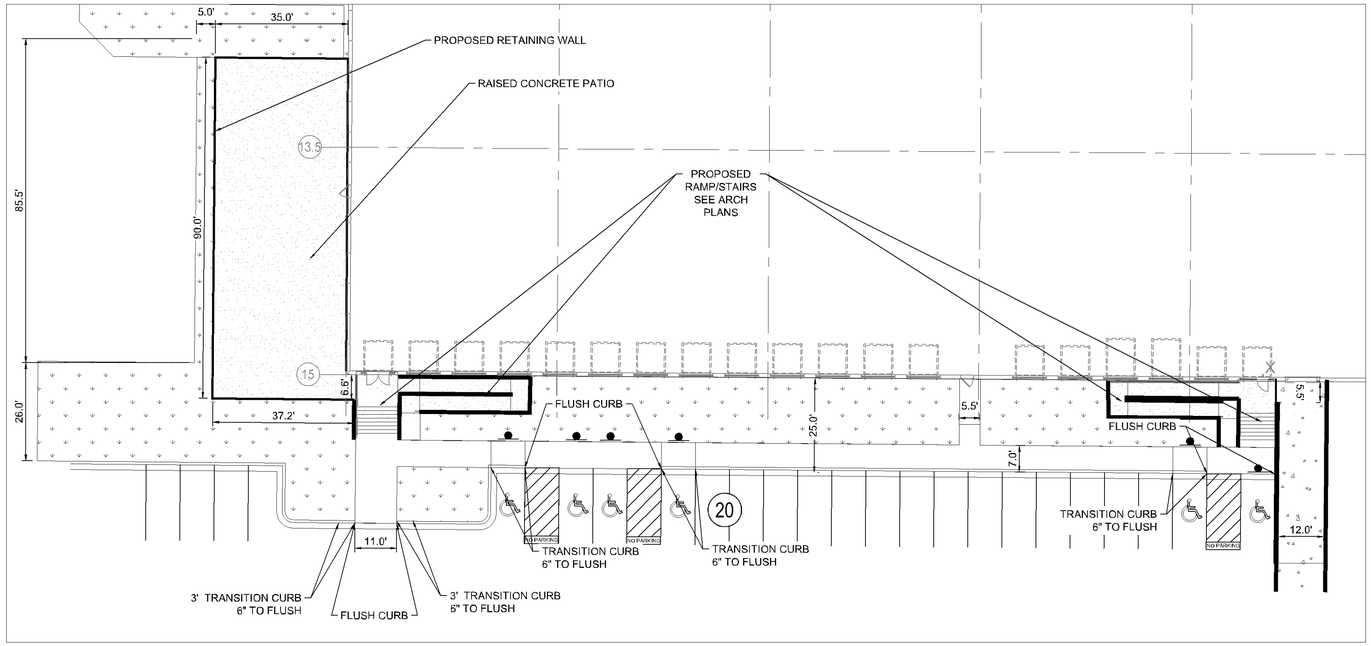
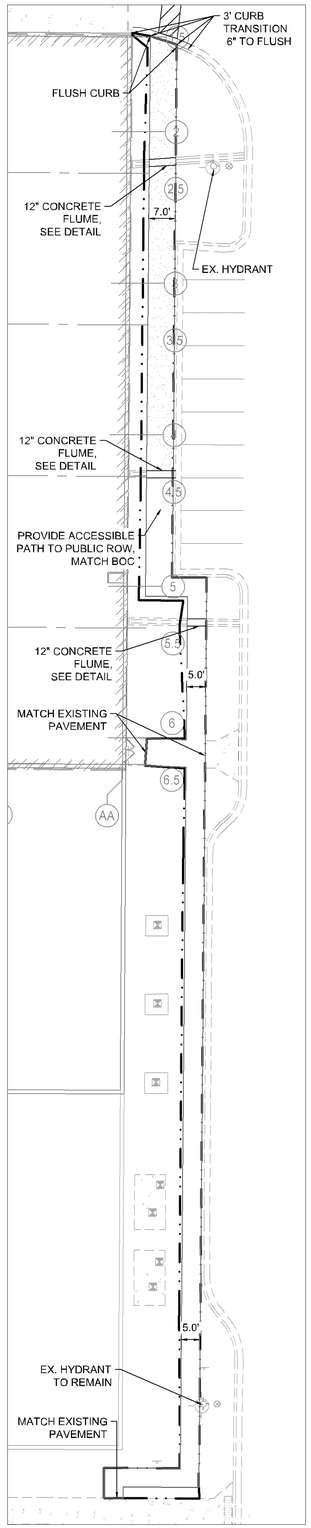
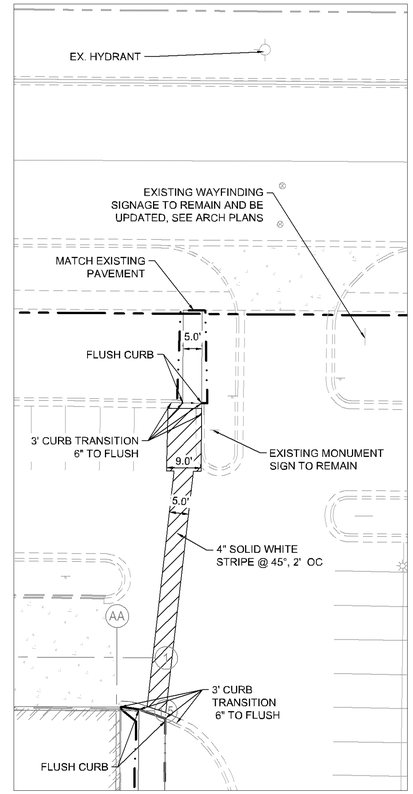


7 SOUTH BUILDING PATIO (ALT #3)
1"=20'



6 EAST ADA ACCESS
1"=20'



3 NE SIDEWALK CONNECTION
1"=20'

LEGEND

- PROPERTY LINE
- PROPOSED CHAIN LINK FENCE
- SETBACK LINE
- RETAINING WALL
- PROPOSED CURB AND GUTTER
- PROPOSED LANDSCAPING
- PROPOSED STANDARD DUTY ASPHALT
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NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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PATRICIA D. SIEH
DATE: 4/30/2020 LIC. NO. 46848 MN

KHA PROJECT	180167000
DATE	06/05/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
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BEST BUY DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

ENLARGED SITE PLAN

SHEET NUMBER
C403

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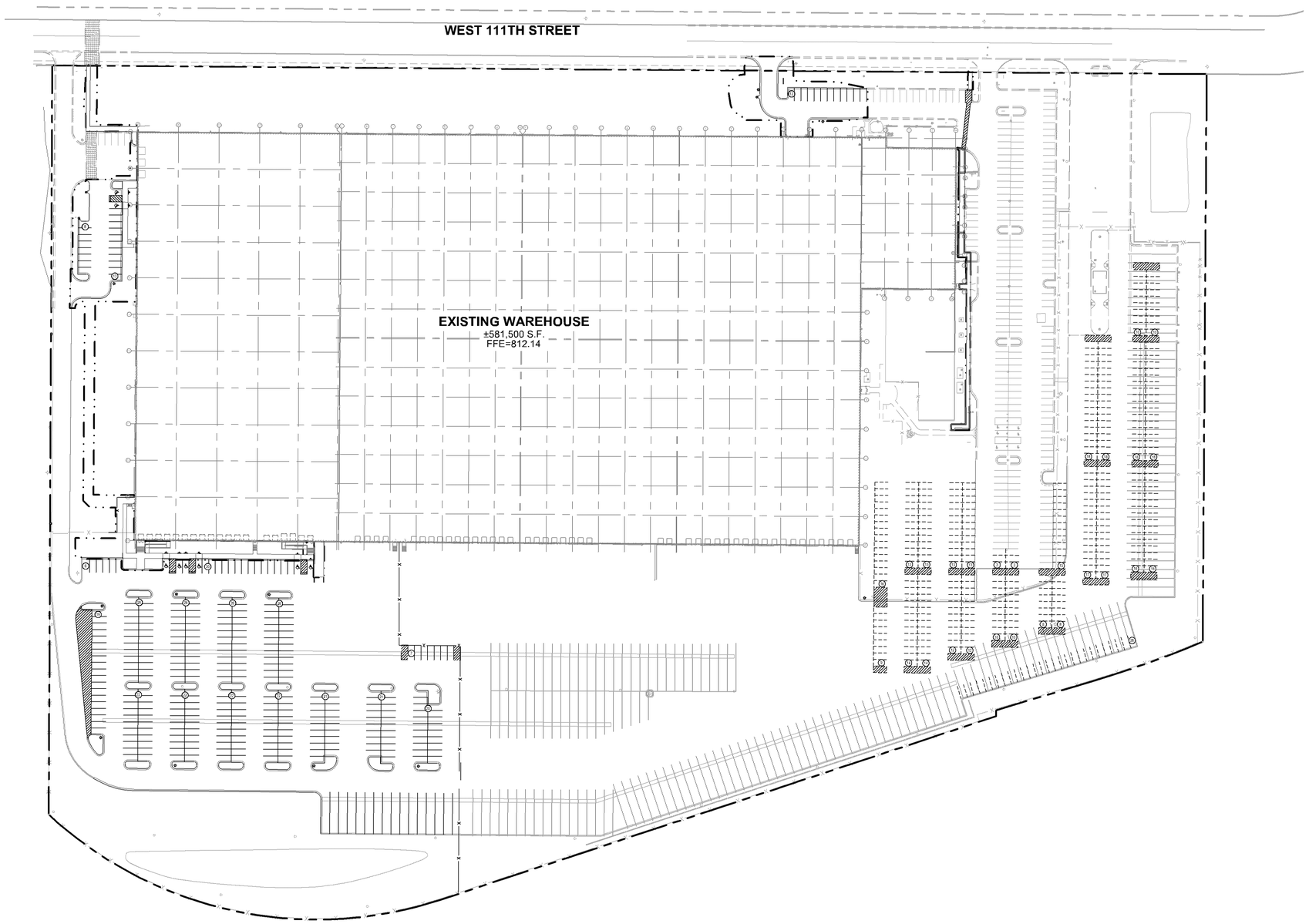

LEGEND

- PROPERTY LINE
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- SETBACK LINE
- RETAINING WALL
- PROPOSED CURB AND GUTTER
- PROPOSED LANDSCAPING
- PROPOSED STANDARD DUTY ASPHALT
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- EXISTING VEHICULAR PARKING
- PROPOSED VEHICULAR PARKING (4", SOLID, SINGLE, WHITE LINE)
- PROPOSED PROOF OF PARKING

PROPERTY SUMMARY	
BEST BUY DISTRIBUTION CENTER	
TOTAL PROPERTY AREA	1,611,728 SF (37.00 AC)
APPROX. WAREHOUSE AREA	351,500 SF
APPROX. OFFICE AREA	22,900 SF
APPROX. MAKERSPACE & LABS	215,200 SF
APPROX. OUTDOOR STORAGE	82,114 SF
PARKING REQUIRED	
WAREHOUSE: 1 STALL/1,000 SF	352 STALLS
OFFICE: 1 STALL/285 SF	80 STALLS
*OFFICE: 1 TRAINING ROOM (50 PERSON CAPACITY) IS INTENDED FOR TRANSIENT EMPLOYEES. ASSUMING 80% PARKING RATE.	40 STALLS
MAKERSPACE & LABS: 1 STALL/500 SF	430 STALLS
OUTDOOR STORAGE: 1 STALL/2,500 SF	33 STALLS
TOTAL REQUIRED	**935 STALLS**
PARKING PROVIDED	
EXISTING	228 STALLS
PROPOSED	336 STALLS
PROOF OF PARKING	377 STALLS
TOTAL PROVIDED	**937 STALLS**

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

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2	ADDENDUM 2	06/05/2020	BPG
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PATRICIA D. SIEH
MN LIC. NO. 46848
DATE: 4/30/2020

KHA PROJECT			
160167000			
DATE			
09/05/2020			
SCALE	AS SHOWN		
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PROOF OF PARKING PLAN

BEST BUY DISTRIBUTION CENTER
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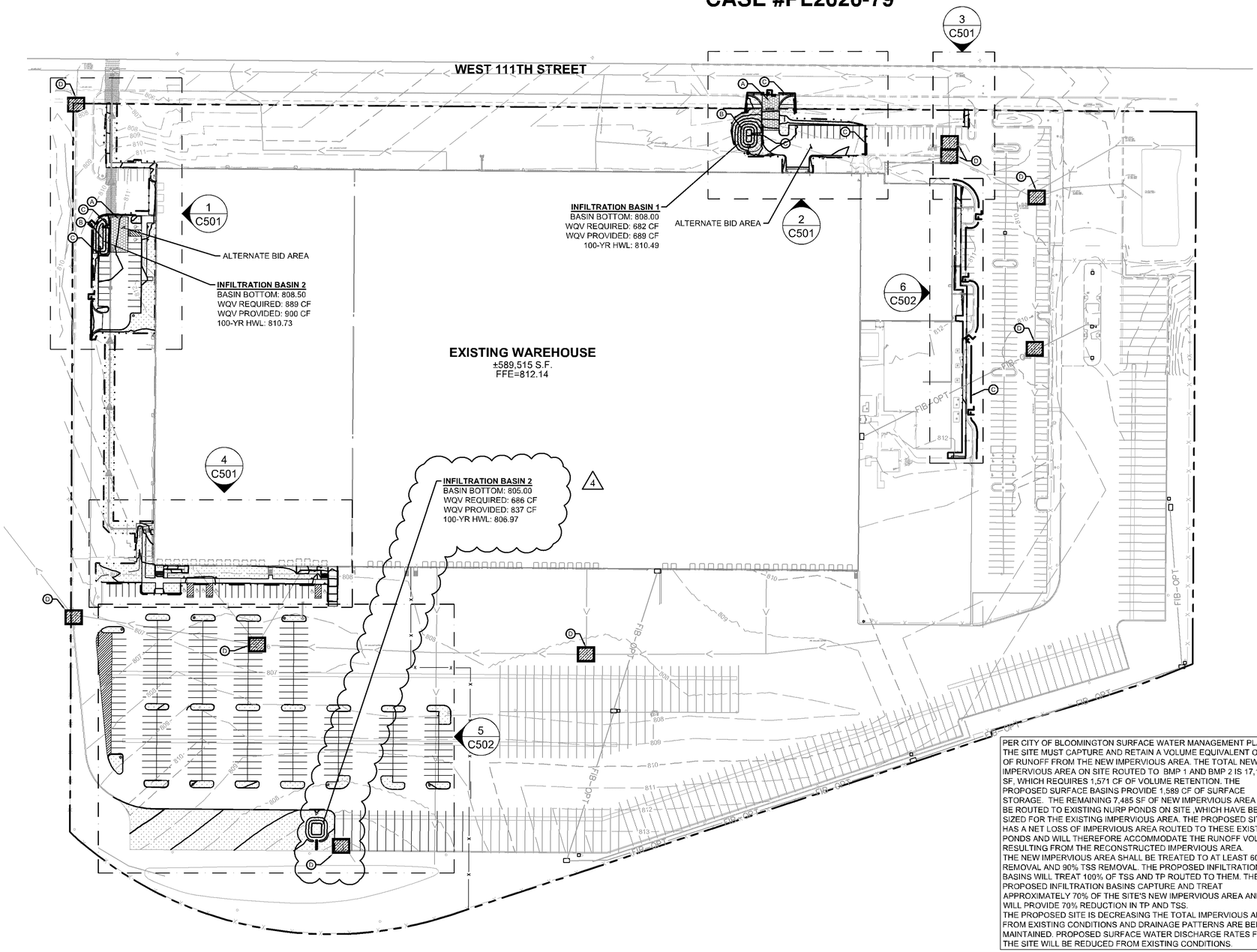

PER CITY OF BLOOMINGTON SURFACE WATER MANAGEMENT PLAN, THE SITE MUST CAPTURE AND RETAIN A VOLUME EQUIVALENT OF 1.1" OF RUNOFF FROM THE NEW IMPERVIOUS AREA. THE TOTAL NEW IMPERVIOUS AREA ON SITE ROUTED TO BMP 1 AND BMP 2 IS 17,147 SF, WHICH REQUIRES 1,571 CF OF VOLUME RETENTION. THE PROPOSED SURFACE BASINS PROVIDE 1,589 CF OF SURFACE STORAGE. THE REMAINING 7,485 SF OF NEW IMPERVIOUS AREA WILL BE ROUTED TO EXISTING NURP PONDS ON SITE ,WHICH HAVE BEEN SIZED FOR THE EXISTING IMPERVIOUS AREA. THE PROPOSED SITE HAS A NET LOSS OF IMPERVIOUS AREA ROUTED TO THESE EXISTING PONDS AND WILL THEREFORE ACCOMMODATE THE RUNOFF VOLUME RESULTING FROM THE RECONSTRUCTED IMPERVIOUS AREA.
THE NEW IMPERVIOUS AREA SHALL BE TREATED TO AT LEAST 60% TP REMOVAL AND 90% TSS REMOVAL. THE PROPOSED INFILTRATION BASINS WILL TREAT 100% OF TSS AND TP ROUTED TO THEM. THE PROPOSED INFILTRATION BASINS CAPTURE AND TREAT APPROXIMATELY 70% OF THE SITE'S NEW IMPERVIOUS AREA AND WILL PROVIDE 70% REDUCTION IN TP AND TSS.
THE PROPOSED SITE IS DECREASING THE TOTAL IMPERVIOUS AREA FROM EXISTING CONDITIONS AND DRAINAGE PATTERNS ARE BEING MAINTAINED. PROPOSED SURFACE WATER DISCHARGE RATES FOR THE SITE WILL BE REDUCED FROM EXISTING CONDITIONS.

GRADING LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- 928 EXISTING CONTOUR
- 925 PROPOSED CONTOUR
- PROPOSED ADA PATH, REF. NOTE 15
- (D) PROPOSED STORM MANHOLE (SOLID CASTING)
- PROPOSED STORM MANHOLE (ROUND INLET CASTING)
- PROPOSED STORM MANHOLE/ CATCH BASIN (CURB INLET CASTING)
- PROPOSED STORM SEWER CLENOUT
- PROPOSED FLARED END SECTION
- PROPOSED RIPRAP
- PROPOSED STORM SEWER
- 100.00 PROPOSED SPOT ELEVATION
- HP:0.0 PROPOSED HIGH POINT ELEVATION
- LP:0.0 PROPOSED LOW POINT ELEVATION
- G:0.00 PROPOSED GUTTER ELEVATION
- T:0.00 PROPOSED TOP OF CURB ELEVATION
- T/G:0.0 PROPOSED FLUSH PAVEMENT ELEVATION
- MF:0.0 MATCH EXISTING ELEVATION
- EOF:0.0 PROPOSED EMERGENCY OVERFLOW
- 0.0% PROPOSED DRAINAGE DIRECTION
- 0.00% PROPOSED ADA SLOPE

GRADING PLAN NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF BLOOMINGTON, SPECIFICATIONS AND BUILDING PERMIT REQUIREMENTS.
2. CONTRACTOR TO CALL GOPHER STATE CALL ONE @ <1-866-252-1166> AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION/CONSTRUCTION FOR UTILITY LOCATIONS.
3. STORM SEWER PIPE SHALL BE AS FOLLOWS:
   RCP PER ASTM C-76
   HDPE: 6" - 10" PER AASHTO M-252
   HDPE: 12" OR GREATER PER ASTM F-2306
   PVC SCH. 40 PER ASTM D-3034
   STORM SEWER FITTINGS SHALL BE AS FOLLOWS:
   RCP PER ASTM C-76, JOINTS PER ASTM C-361, C-990, AND C-443
   HDPE PER ASTM 3212
   PVC PER ASTM D-3034, JOINTS PER ASTM D-3212
4. CONTRACTOR TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OR EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE START OF SITE GRADING. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS.
5. SUBGRADE EXCAVATION SHALL BE BACKFILLED IMMEDIATELY AFTER EXCAVATION TO HELP OFFSET ANY STABILITY PROBLEMS DUE TO WATER SEEPAGE OR STEEP SLOPES. WHEN PLACING NEW SURFACE MATERIAL ADJACENT TO EXISTING PAVEMENT, THE EXCAVATION SHALL BE BACKFILLED PROMPTLY TO AVOID UNDERMINING OF EXISTING PAVEMENT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.
7. CONTRACTOR SHALL EXCAVATE DRAINAGE TRENCHES TO FOLLOW PROPOSED STORM SEWER ALIGNMENTS.
8. GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL ROUGH GRADE TO SUBGRADE ELEVATION AND LEAVE STREET READY FOR SUBBASE.
9. ALL EXCESS MATERIAL, BITUMINOUS SURFACING, CONCRETE ITEMS, ANY ABANDONED UTILITY ITEMS, AND OTHER UNSTABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE CONSTRUCTION SITE.
10. REFER TO THE UTILITY PLAN FOR SANITARY SEWER MAIN, WATER MAIN SERVICE LAYOUT AND ELEVATIONS AND CASTING / STRUCTURE NOTATION.
11. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF PAVEMENTS AND CURB AND GUTTER WITH SMOOTH UNIFORM SLOPES TO PROVIDE POSITIVE DRAINAGE.
12. INSTALL A MINIMUM OF 4" CLASS 5 AGGREGATE BASE UNDER CURB AND GUTTER AND CONCRETE SIDEWALKS.
13. UPON COMPLETION OF EXCAVATION AND FILLING, CONTRACTOR SHALL RESTORE ALL STREETS AND DISTURBED AREAS ON SITE. ALL DISTURBED AREAS SHALL BE RE-VEGETATED WITH A MINIMUM OF 5" OF TOPSOIL.
14. ALL SPOT ELEVATIONS/CONTOURS ARE TO GUTTER / FLOW LINE UNLESS OTHERWISE NOTED.
15. GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO CURRENT ADA STATE/NATIONAL STANDARDS. IN NO CASE SHALL ACCESSIBLE RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2%. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5%. IN NO CASE SHALL ACCESSIBLE PARKING STALLS OR AISLES EXCEED 2% (1.5% TARGET) IN ALL DIRECTIONS. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS AND GATES SHALL BE ADA COMPLIANT. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ADA CRITERIA CANNOT BE MET IN ANY LOCATION PRIOR TO PAVING. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A COMPLIANCE ISSUES.
16. MAINTAIN A MINIMUM OF 0.5% GUTTER SLOPE TOWARDS LOW POINTS.
17. CONTRACTOR TO PROVIDE 3" INSULATION BY 5' WIDE CENTERED ON STORM PIPE IF LESS THAN 4' OF COVER IN PAVEMENT AREAS AND LESS THAN 3' OF COVER IN LANDSCAPE AREAS.
18. ALL STORM SEWER CONNECTIONS SHALL BE GASKETED AND WATER TIGHT INCLUDING MANHOLE CONNECTIONS.
19. ALL STORM SEWER PIPE SHALL BE AIR TESTED IN ACCORDANCE WITH THE CURRENT PLUMBING CODE.
20. MAINTAIN A MINIMUM OF 1.25% SLOPE IN BITUMINOUS PAVEMENT AREAS, 0.5% SLOPE IN CONCRETE PAVEMENT AREAS.
21. CONTRACTOR SHALL REVIEW PAVEMENT GRADIENT AND CONSTRUCT "INFALL CURB" WHERE PAVEMENT DRAINS TOWARD GUTTER, AND "OUTFALL" CURB WHERE PAVEMENT DRAINS AWAY FROM GUTTER.
22. HDPE PIPE CONNECTIONS INTO ALL CONCRETE STRUCTURES MUST BE MADE WITH WATERTIGHT MATERIALS UTILIZING AN A-LOK OR WATERSTOP GASKET OR BOOT, CAST-IN-PLACE RUBBER BOOT, OR APPROVED EQUAL. WHERE THE ALIGNMENT PRECLUDES THE USE OF THE ABOVE APPROVED WATERTIGHT METHODS, CONSEAL 231 WATERSTOP SEALANT, OR APPROVED EQUAL WILL ONLY BE ALLOWED AS APPROVED BY THE ENGINEER.

EROSION CONTROL LEGEND

- ROCK ENTRANCE
- EROSION CONTROL BLANKET
- INLET PROTECTION
- FL FILTER LOG
- LIMITS OF DISTURBANCE
- x x SAFETY FENCE

KEYNOTE LEGEND

- (A) CONSTRUCTION ENTRANCE
- (B) EROSION CONTROL BLANKET
- (C) FILTER LOG, OFFSET FROM BACK OF CURB FOR CLARITY
- (D) INLET PROTECTION

ENGINEERING DIVISION
Approved By: Julie Long, PE
07/08/2020 4:23:24 PM

EROSION CONTROL PLAN NOTES

1. ALL PERIMETER SILT FENCE AND ROCK CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL CONSTRUCT DRAINAGE BASINS PRIOR TO SITE GRADING.
3. THE CONTRACTOR SHALL INSTALL CATCH BASIN EROSION CONTROL MEASURES.
4. WITHIN ONE WEEK (7 DAYS) OF SITE GRADING, ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEED, SOD, OR ROCK BASE. REFER TO LANDSCAPE PLANS FOR MATERIALS.
5. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH CITY, STATE, AND WATERSHED DISTRICT PERMITS.
6. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES, INCLUDING THE REMOVAL OF SILT IN FRONT OF SILT FENCES DURING THE DURATION OF THE CONSTRUCTION.
7. ANY EXCESS SEDIMENT IN PROPOSED BASINS SHALL BE REMOVED BY THE CONTRACTOR.
8. REMOVAL ALL EROSION CONTROL MEASURES AFTER VEGETATION IS ESTABLISHED.
9. THE CONTRACTOR SHALL REMOVE ALL SOILS AND SEDIMENT TRACKED ONTO EXISTING STREETS AND PAVED AREAS AND SHALL SWEEP ADJACENT STREETS AS NECESSARY IN ACCORDANCE WITH CITY REQUIREMENTS.
10. IF BLOWING DUST BECOMES A NUISANCE, THE CONTRACTOR SHALL APPLY WATER FROM A TANK TRUCK TO ALL CONSTRUCTION AREAS.

SEQUENCE OF CONSTRUCTION:

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAYDOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

BMP AND EROSION CONTROL INSTALLATION SEQUENCE SHALL BE AS FOLLOWS:

1. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE.
2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, UNDERGROUND SYSTEM, CURBS AND GUTTERS.
3. INSTALL APPROPRIATE INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
4. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
5. PREPARE SITE FOR PAVING.
6. PAVE SITE AND INSTALL STRIPING.
7. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
8. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
9. OBTAIN CONCURRENCE WITH THE CIVIL ENGINEERING CONSULTANT THAT THE SITE HAS BEEN FULLY STABILIZED THEN:
   1. REMOVE ALL REMAINING TEMPORARY EROSION ADN SEDIMENT CONTROL DEVICES
   2. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMPS.

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

No.	REVISIONS	DATE	BY
4	CITY STORMWATER COMMENTS	06/30/2020	BPG
3	ADDENDUM 2	06/05/2020	BPG
2	ADDENDUM 1	06/01/2020	BPG

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PATRICIA D. SIEH
MN LIC. NO. 46848
DATE: 4/30/2020

K:\HA PROJECT	160167000
DATE	06/30/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

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OVERALL GRADING & DRAINAGE PLAN

BEST BUY DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
C500

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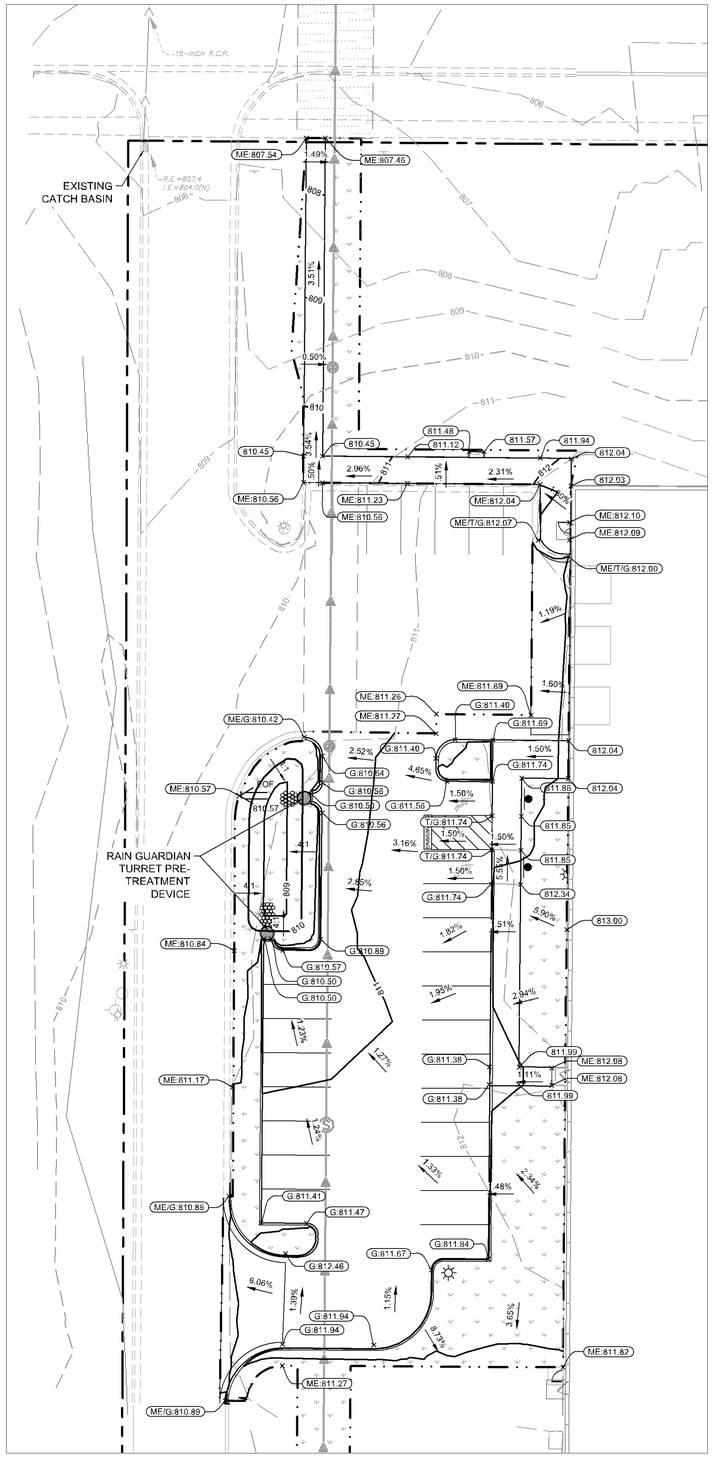
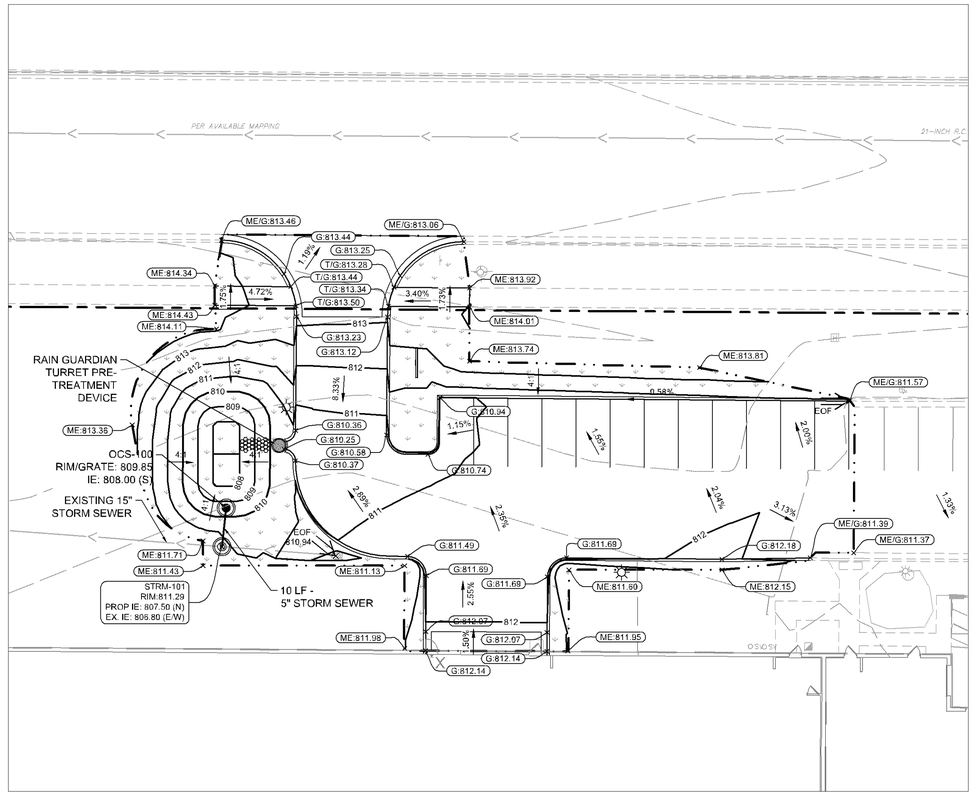
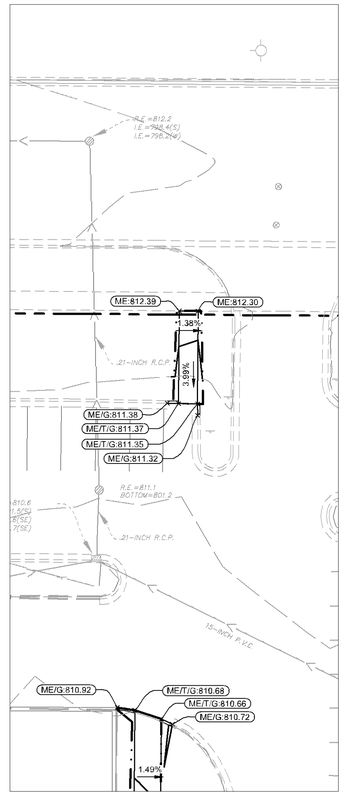
CASE #PL2020-79



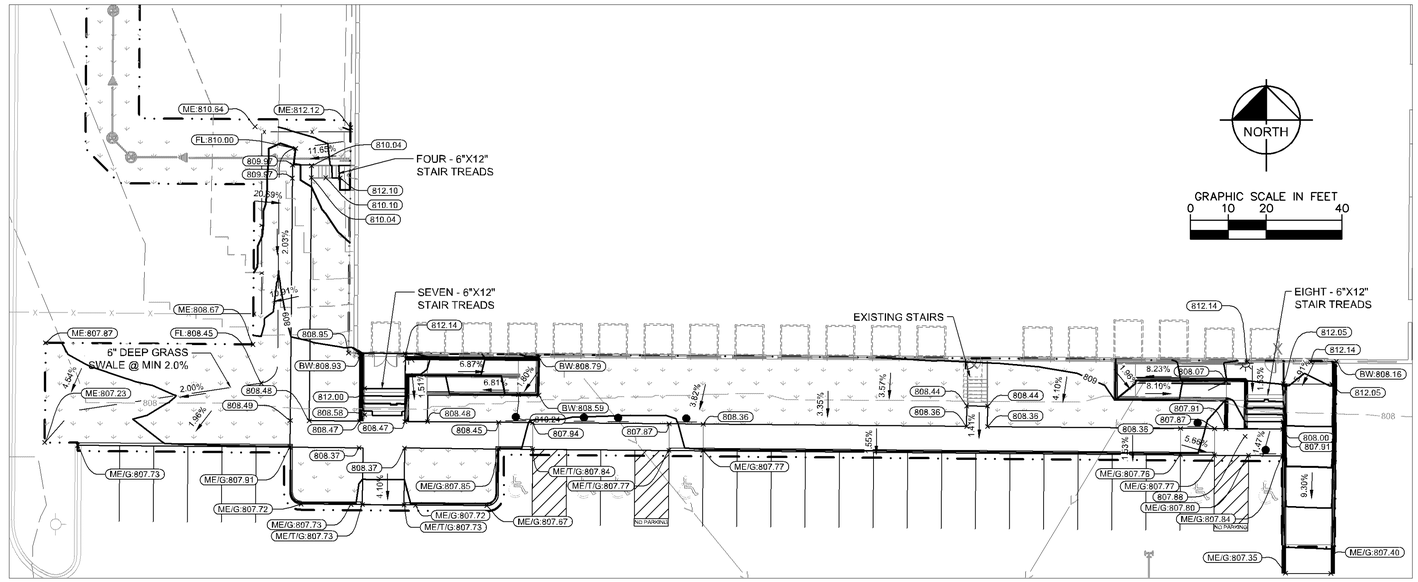
1 **WEST PARKING LOT (ALTERNATE)**
1:20



2 **NORTH PARKING LOT (ALTERNATE)**
1:20



3 **NE SIDEWALK CONNECTION**
1:20



4 **SOUTH BUILDING ACCESS**
1:20

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07/08/2020 4:23:49 PM

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1	ADDENDUM 1	06/01/2020	BPG

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PATRICIA D. SIEH
DATE: 4/30/2020
MN LIC. NO. 46848

KHA PROJECT	160167000
DATE	06/05/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

ENLARGED GRADING & DRAINAGE PLAN

BEST BUY DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
C501

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07/08/2020 4:24:09 PM

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

PER AVAILABLE MAPPING

RAIN GUARDIAN TURRET
PRE-TREATMENT DEVICE

5' WIDE TURF REINFORCED
OVERFLOW W/ RIP RAP

EOF

FIB–OPT

5 **SOUTH PARKING LOT**
1:20

6 **EAST ADA ACCESS**
1:20

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No.	REVISIONS	DATE	BY
4.	CITY STORMWATER COMMENTS	06/30/2020	BPG
3.	ADDENDUM 2	06/05/2020	BPG
2.	ADDENDUM 1	06/01/2020	BPG

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PATRICIA D. SIEH
MN LIC. NO. 46848
DATE: 4/30/2020

KHA PROJECT 160167000
DATE 06/30/2020
SCALE AS SHOWN
DESIGNED BY BPG
DRAWN BY BPG
CHECKED BY TDS

BEST BUY
DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

ENLARGED GRADING & DRAINAGE PLAN

SHEET NUMBER
C502

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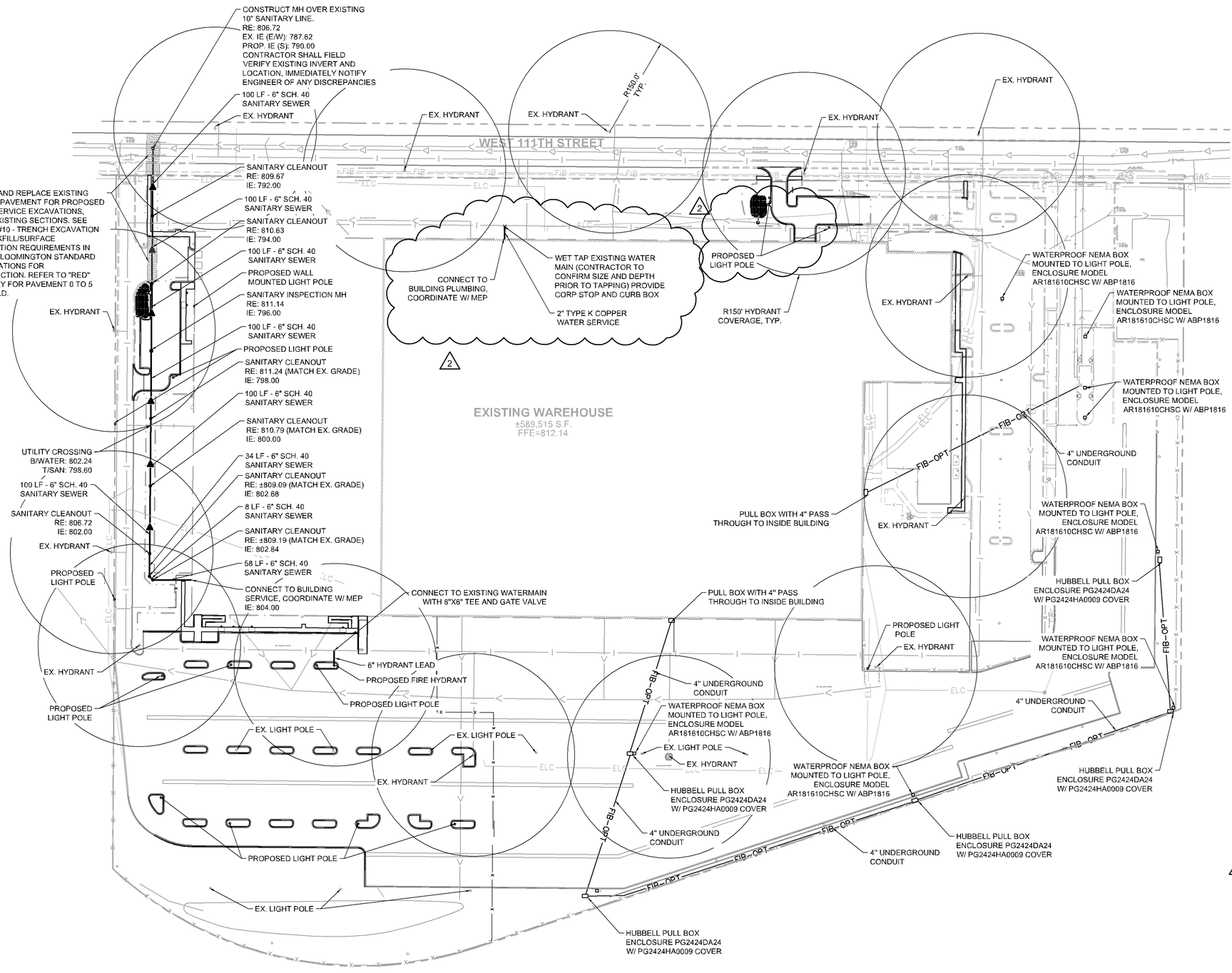

LEGEND

EXISTING	PROPOSED	
		GATE VALVE
		HYDRANT
		REDUCER
		TEE
		SANITARY SEWER MANHOLE
		SANITARY CLEANOUT
		WATERMAIN
		SANITARY SEWER
		STORM SEWER
		STORM SEWER
ELC	ELC	UNDERGROUND ELECTRIC
COM	COM	TELEPHONE
GAS	GAS	GAS MAIN
		PROPOSED SITE LIGHTING, SEE LIGHTING PLAN FOR DETAILS, CALL WLS AT (817) 840-9333 FOR PRICING

UTILITY PLAN NOTES

1. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
   8" PVC SDR35 PER ASTM D-3034, FOR PIPES LESS THAN 12' DEEP
   8" PVC SDR26 PER ASTM D-3034, FOR PIPES MORE THAN 12' DEEP
   5" PVC SCHEDULE 40 PER ASTM D-3034
   DUCTILE IRON PIPE PER AWWA C150
3. WATER LINES SHALL BE AS FOLLOWS:
   12" AND SMALLER, CLASS 52 DUCTILE IRON PIPE, MINIMUM 8 MIL POLYWRAP REQUIRED ON ALL DIP
4. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
5. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH RESTRAINTS SUCH AS THRUST BLOCKING, WITH STAINLESS STEEL BOLTS, OR AS INDICATED IN THE CITY SPECIFICATIONS AND PROJECT DOCUMENTS.
6. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE OR STRUCTURE).
7. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 8'-0" AND MAXIMUM OF 10"-0" COVER ON ALL WATERLINES.
8. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES, OR ANY OBSTRUCTION (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE SCH. 40 OR C900 WITH MECHANICAL JOINTS AT LEAST 10 FEET ON EITHER SIDE OF THE CENTER LINE OF THE CROSSING. THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE FASTENERS AS REQUIRED TO PROVIDE A MINIMUM OF 18" VERTICAL SEPARATION. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50).
9. UTILITY AND MECHANICAL CONTRACTORS MUST COORDINATE THE INSTALLATION OF ALL WATER AND SEWER SERVICE PIPE INTO THE BUILDING TO ACCOMMODATE CITY INSPECTION AND TESTING. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
10. TOPS OF MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
11. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
12. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
13. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
14. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE CITY OF BLOOMINGTON AND/OR STATE OF MN WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
15. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
16. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
17. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
18. CONTRACTOR SHALL REFERENCE ARCH / MEP PLANS FOR SITE LIGHTING AND ELECTRICAL PLAN.
19. BACKFLOW DEVICES (DDCV AND PRZ ASSEMBLIES) AND METERS ARE LOCATED IN THE INTERIOR OF THE BUILDING. REF. ARCH / MEP PLANS.
20. ALL ONSITE WATERMAINS AND SANITARY SEWERS SHALL BE PRIVATELY OWNED AND MAINTAINED.
21. ALL WATERMAIN STUBOUTS SHALL BE MECHANICALLY RESTRAINED WITH REACTION BLOCKING.
22. CONTRACTOR SHALL OBTAIN A PUBLIC WORKS PERMIT FOR UNDERGROUND WORK WITHIN THE RIGHT-OF-WAY. UTILITY PERMITS ARE REQUIRED FOR CONNECTIONS TO THE PUBLIC STORM, SANITARY, AND WATER SYSTEM. PERMIT IS REQUIRED PRIOR TO REMOVALS OR INSTALLATION. CONTACT UTILITIES (952-563-4588) FOR PERMIT INFORMATION.
23. CONTRACTOR SHALL PROVIDE ELECTRONIC UTILITY AS-BUILTS TO THE PUBLIC WORKS DEPARTMENT PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
24. TAPS OF LIVE WATER MAINS ARE DONE BY CITY FORCES AND PAID FOR AND COORDINATED WITH THE CONTRACTOR
25. ALL COMPONENTS OF THE WATER SYSTEM, UP TO THE WATER METER OR FIRE SERVICE EQUIPMENT MUST UTILIZE PROTECTIVE INTERNAL COATINGS MEETING CURRENT ANSI/AWWA STANDARDS FOR CEMENT MORTAR LINING OR SPECIAL COATINGS. THE USE OF UNLINED OR UNCOATED PIPE IS NOT ALLOWED.

ENGINEERING DIVISION
Approved By: Julie Long, PE
07/08/2020 4:24:32 PM

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

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1	ADDENDUM 1	06/01/2020	BPG

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PATRICIA D. SIEH
MN LIC. NO. 46848
4/30/2020

K:HA PROJECT 160167000
DATE 06/05/2020
SCALE AS SHOWN
DESIGNED BY BPG
DRAWN BY BPG
CHECKED BY TDS

UTILITY PLAN

BEST BUY DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
C600

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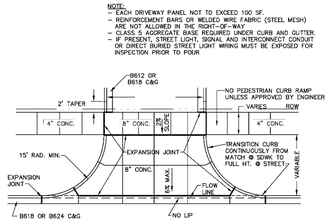
CASE #PL2020-79

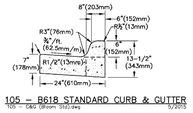


100 – NONRESIDENTIAL DRIVEWAY APPROACH WITH BOULEVARD SIDEWALK

100 – Drwy (Commercial).dwg 5/2015

H:\Cad_Comm\Details Updated\0 – STREET\100 – Drwy (Commercial)

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 100 – Drwy (Commercial)	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/5/2015	
	LAST REVISED BY: KBO	



105 – B618 STANDARD CURB & GUTTER

105 – C&G (Bloom Std).dwg 5/2015

H:\Cad_Comm\Details Updated\0 – STREET\105 – C&G (Bloom Std)

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 105 – C&G (Bloom Std)	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/5/2015	
	LAST REVISED BY: KBO	

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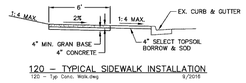

120 – TYPICAL SIDEWALK INSTALLATION

120 – Typ Conc. Walk.dwg 9/2016

H:\Cad_Comm\Details Updated\0 – 100 – STREET complete\120 – Typ Conc. Walk

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 120 – Typ Conc. Walk	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 9/30/2016	
	LAST REVISED BY: KBO	

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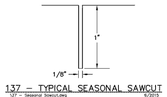
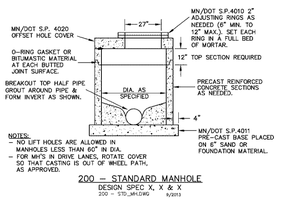


137 – TYPICAL SEASONAL SAWCUT

137 – Seasonal Sawcut.dwg 6/2015

H:\Cad_Comm\Details Updated\0 – STREET\137 – Seasonal Sawcut

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 137 – Seasonal Sawcut	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/5/2015	
	LAST REVISED BY: KBO	



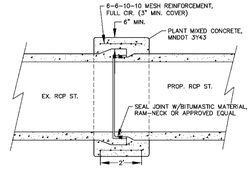
200 – STANDARD MANHOLE

DESIGN SPEC X, X & X

200 – STD_MH.DWG 9/2013

H:\Cad_Comm\Details Updated\0 – 200 – STORM complete\200 – Std MH

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 200 – Std MH	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 9/13/2016	
	LAST REVISED BY: KBO	

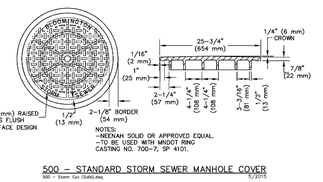


212 – STD CONST. JOINT

212 – STD CONST. JOINT.DWG 6/2016

H:\Cad_Comm\Details Updated\0 – 200 – STORM complete\212 – Std Const. Joint

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 212 – Std Const. Joint	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 9/14/2016	
	LAST REVISED BY: KBO	

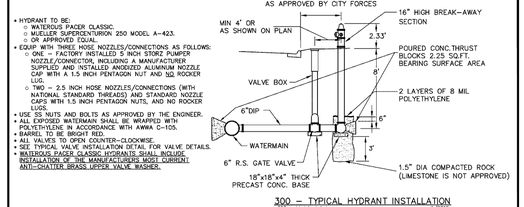


500 – STANDARD STORM SEWER MANHOLE

500 – Storm Cov (Solid).dwg 5/2015

H:\Cad_Comm\Details Updated\0 – CASTINGS\500 – Storm Cov (Solid)

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 500 – Storm Cov (Solid)	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/15/2015	
	LAST REVISED BY: KBO	



300 – TYPICAL HYDRANT INSTALLATION

300 – Hyd Install.dwg 6/2015

H:\Cad_Comm\Details Updated\0 – 300 – WATER\300 – Hyd Install

CITY OF BLOOMINGTON MINNESOTA 1700 W 98TH ST, BLOOMINGTON MN 55431 PHONE (952) 563-8700	PLATE NAME: 300 – Hyd Install	
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/15/2015	
	LAST REVISED BY: KBO	

No.	REVISIONS	DATE	BY
2	ADDENDUM 2	06/05/2020	BPG
1	ADDENDUM 1	06/01/2020	BPG

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reprise DESIGN Architecture, Inc.

BEST BUY

FOR REFERENCE ONLY

K-HA PROJECT	160167000
DATE	06/05/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

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BEST BUY DISTRIBUTION CENTER

PREPARED FOR

REPRISE DESIGN

BLOOMINGTON MN

CIVIL DETAILS

SHEET NUMBER

C700

K:\TWC_LDEV\Reprise\best buy - bloomington, mn\3 Design\CAD\plansheets\C4-SITE DETAILS.dwg June 04, 2020 - 4:40pm

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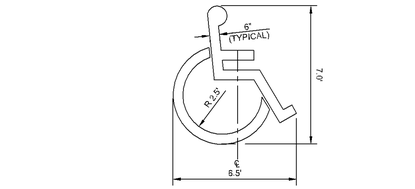
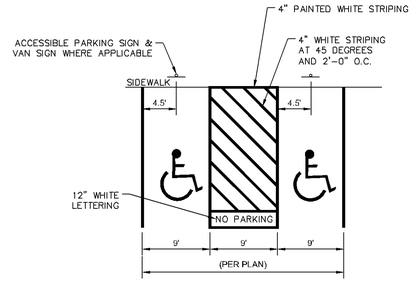
CASE #PL2020-79

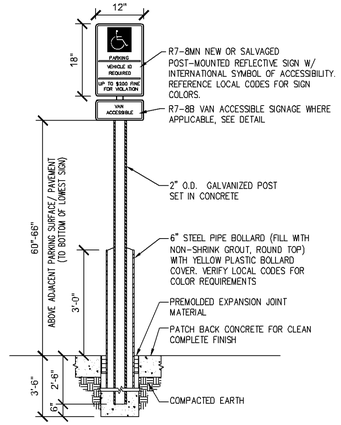




NOTE: REFER TO PLAN FOR DETAILED LAYOUT AND DIMENSIONS

1 TYPICAL ADA STRIPING
SCALE: NTS

NOTES:
- CONTRACTOR TO VERIFY ALL EXISTING SIGNAGE TO COMPLY WITH THE LOCAL BUILDING CODE. CONTRACTOR TO MAKE NECESSARY ADJUSTMENTS TO EXISTING SIGNAGE AS REQUIRED BY LOCAL AUTHORITIES.
- SIGNS SHALL BE CENTERED AT THE END OF EACH STALL UNLESS OTHERWISE NOTED.



2 ACCESSIBLE SIGN BOLLARD
SCALE: NTS

R7-8b
VAN ACCESSIBLE

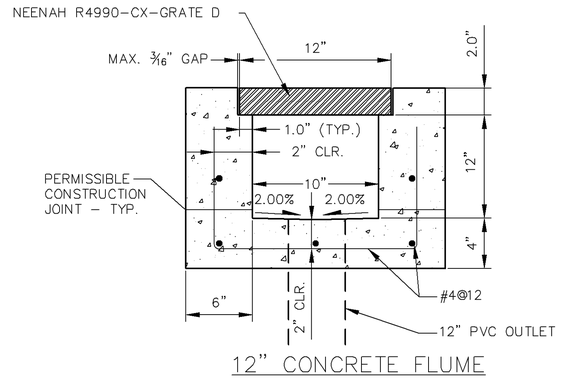
	A	B	C	D	E	F	G	H	J	K	L
	12	8	.375	.438	1.5	1.5 D	A	1 D	1.871	3.859	1.5
S	18	9	.375	.438	2.25	2 D	1	1.5 D	2.493	5.784	1.5

PARKING APPLICATION
COLORS: LEGEND =GREEN (RETROREFLECTIVE) ON BLACK BACKGROUND =WHITE (RETROREFLECTIVE)

DIRECTIONAL APPLICATION
COLORS: LEGEND =WHITE (RETROREFLECTIVE) BACKGROUND =BLUE (RETROREFLECTIVE)

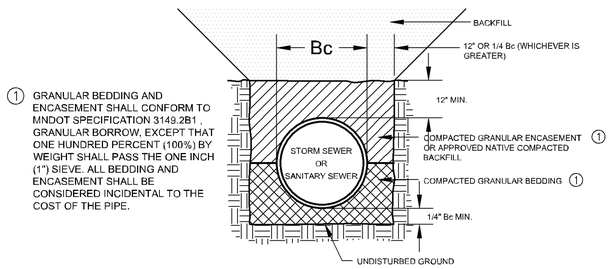
1-93

3 R7-8MN ADA PARKING SIGN
SCALE: NTS



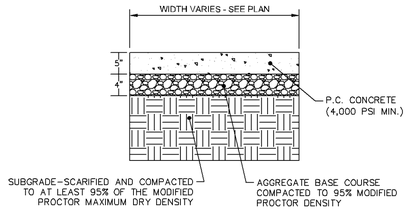
12" CONCRETE FLUME

4 FLUME DETAIL
SCALE: NTS



① GRANULAR BEDDING AND ENCASEMENT SHALL CONFORM TO MNDOT SPECIFICATION 3149.2B1 , GRANULAR BORROW, EXCEPT THAT ONE HUNDRED PERCENT (100%) BY WEIGHT SHALL PASS THE ONE INCH (1") SIEVE. ALL BEDDING AND ENCASEMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PIPE.

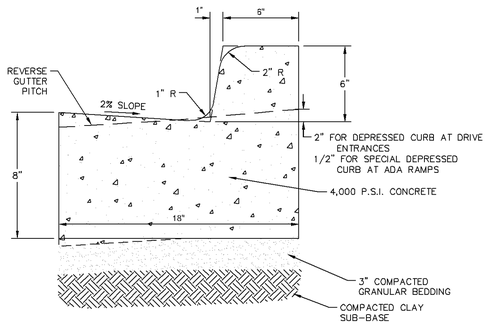
5 CLASS B PIPE BEDDING FOR SANITARY/STORM SEWER
SCALE: NTS



NOTES:
1. ALL SIDEWALK SHALL BE CONSTRUCTED WITH CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
2. PROVIDE 1/2" EXPANSION JOINTS AT 20', MAXIMUM, SPACING AND FILLED WITH PREMOLDED BITUMINOUS EXPANSION JOINT FILLER MATERIAL OR REDWOOD. EXPANSION JOINTS SHALL HAVE #4 DOWELS, LUBRICATED, 18" LONG, AT 12" CENTERS, 6" FROM EDGE.
3. PROVIDE 3/8" GROOVED CONTROL JOINTS AT 5' CENTERS.
4. WELDED WIRE FABRIC (6X6-6X6) SHALL BE INSTALLED THROUGH DRIVEWAYS AT 2" ABOVE SLAB BOTTOM.
5. PROVIDE 1/2" BITUMINOUS EXPANSION JOINT FILLER MATERIAL WHERE WALK ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE
6. USE 2-#4 REINFORCING BARS, 10' LONG OVER ALL UTILITY TRENCHES FOR NEW SIDEWALK AND CONNECTIONS TO EXISTING SIDEWALK.
7. AT DRIVE APPROACHES, SIDEWALK PCC AND BASE THICKNESS SHALL MATCH THAT OF THE DRIVE.
8. CONTRACTOR TO CONFIRM PAVEMENT SECTION COMPLIES WITH GEOTECHNICAL REPORT RECOMMENDATIONS.

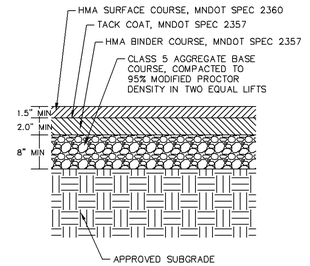
6 CONCRETE SIDEWALK
SCALE: NTS

(FOR USE ONSITE)



7 B612 CURB & GUTTER
SCALE: NTS

(FOR USE ONSITE)



NOTE:
1. CONTRACTOR SHALL MATCH EXISTING PAVEMENT SECTIO. DEPTHS SHOWN ARE MINIMUMS.
2. VERIFY ADEQUACY OF PAVEMENT SECTION WITH ENGINEER AFTER SUBGRADE SOILS ARE EXPOSED AND BEFORE BITUMINOUS PAVEMENT IS PLACED.

8 STANDARD DUTY ASPHALT PAVEMENT SECTION
SCALE: NTS

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No.	REVISIONS	DATE	BY
2	ADDENDUM 2	06/05/2020	BPG
1	ADDENDUM 1	06/01/2020	BPG

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BEST BUY

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
PATRICIA D. SIEH
DATE: 4/30/2020 LIC. NO. 46848 MN

KHA PROJECT	
160167000	
DATE	
06/05/2020	
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

CIVIL DETAILS

BEST BUY DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
C701

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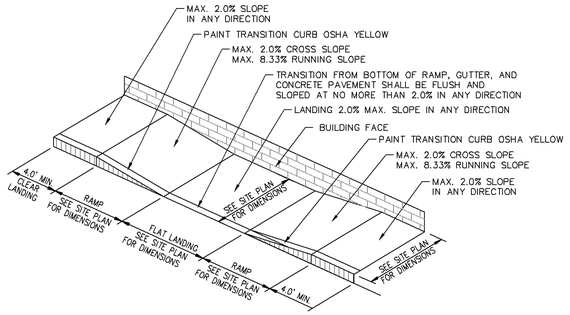
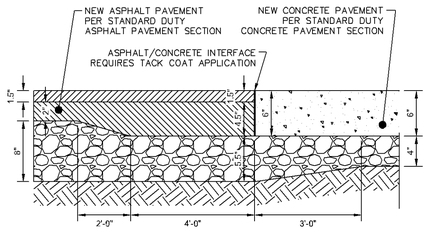
CASE #PL2020-79



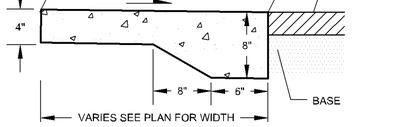
9 VIEW TITLE

SCALE 1"=10'



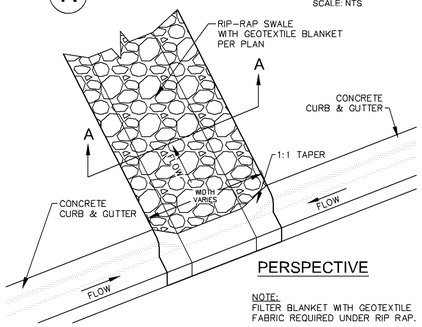
10 ASPHALT / CONCRETE INTERFACE

SCALE: NTS



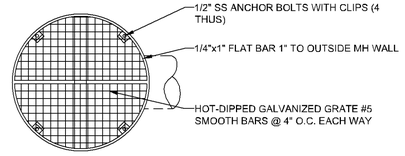
11 FLUSH CONCRETE CURB

SCALE: NTS

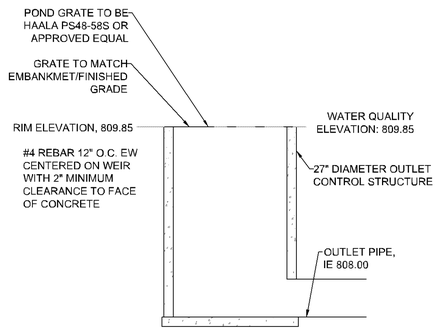


12 CURB CUT W. RIPRAP SWALE

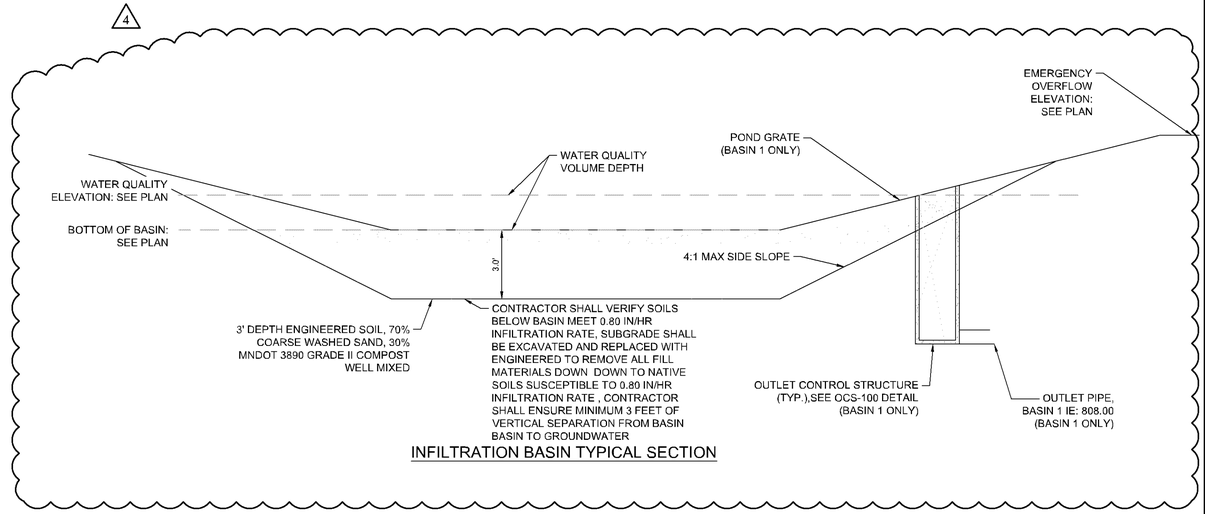
SCALE: NTS



PLAN



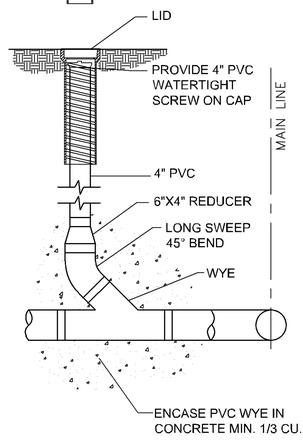
INFILTRATION BASIN OUTLET CONTROL STRUCTURE OCS-100 (BASIN 1 ONLY)



INFILTRATION BASIN TYPICAL SECTION

14 INFILTRATION BASIN/ OCS-100 DETAIL

SCALE: NTS

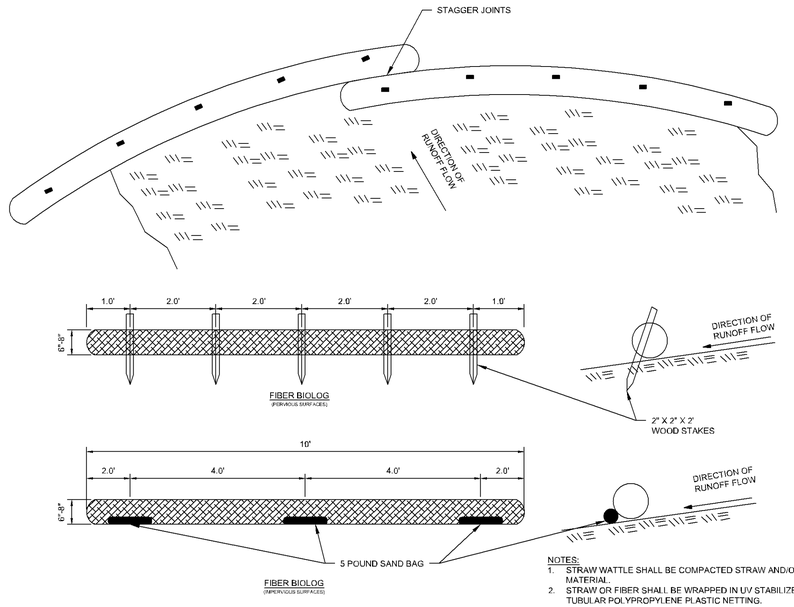


NOTES:
G.V. BOX TOP SECTION (SEWER)

ENCLOSE LONG SWEEP BEND OR COMBINATION WYE IN CONCRETE AS SHOWN.

13 SANITARY SEWER CLEANOUT

SCALE: NTS



NOTES:
1. STRAW WATTLE SHALL BE COMPACTED STRAW AND/OR ORGANIC FIBER MATERIAL.
2. STRAW OR FIBER SHALL BE WRAPPED IN UV STABILIZED DEGRADABLE TUBULAR POLYPROPYLENE PLASTIC NETTING.

15 FIBER BIOLOG DETAIL

SCALE: NTS

No.	REVISIONS	DATE	BY
4.	CITY STORMWATER COMMENTS	06/30/2020	BPG
3.	ADDENDUM 2	06/05/2020	BPG
2.	ADDENDUM 1	06/01/2020	BPG

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reprise DESIGN Architecture, Inc.

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PATRICIA D. SIEH — DATE: 4/30/2020 — LIC. NO. 46848 — MN

KHA PROJECT	160167000
DATE	06/30/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

CIVIL DETAILS

BEST BUY
DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
C702

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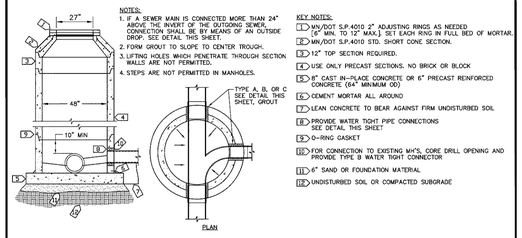
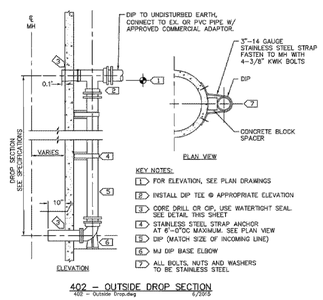


400 – STD. SANITARY SEWER MH
400 – Std San MH.dwg 6/2015

W:\Cad_Comm\Details Updated\0 – SAN SEWER\400 – Std San MH

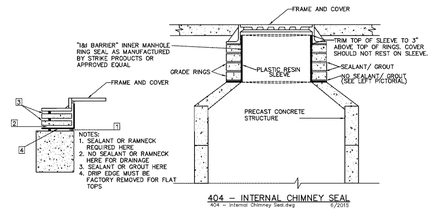
CITY OF BLOOMINGTON MINNESOTA	PLATE NAME: 400 – Std San MH
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/15/2015
	LAST REVISED BY: KBO



402 – OUTSIDE DROP SECTION
402 – Outside Drop.dwg 6/2015

W:\Cad_Comm\Details Updated\0 – 400 – SAN SEWER complete\402 – Outside Drop

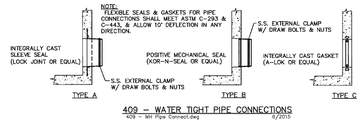
CITY OF BLOOMINGTON MINNESOTA	PLATE NAME: 402 – Outside Drop
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 9/13/2016
	LAST REVISED BY: KBO



404 – INTERNAL CHIMNEY SEAL
404 – Internal Chimney Seal.dwg 6/2015

W:\Cad_Comm\Details Updated\0 – SAN SEWER\404 – Internal Chimney Seal

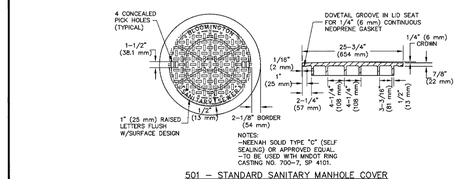
CITY OF BLOOMINGTON MINNESOTA	PLATE NAME: 404 – Internal Chimney Seal
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/15/2015
	LAST REVISED BY: KBO



409 – WATER TIGHT PIPE CONNECTIONS
409 – MH Pipe Connect.dwg 6/2015

W:\Cad_Comm\Details Updated\0 – SAN SEWER\409 – MH Pipe Connect

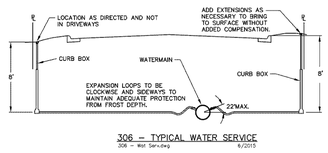
CITY OF BLOOMINGTON MINNESOTA	PLATE NAME: 409 – MH Pipe Connect
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/15/2015
	LAST REVISED BY: KBO



501 – STANDARD SANITARY MANHOLE COVER
501 – Sanitary Cov.dwg 5/2015

W:\Cad_Comm\Details Updated\0 – CASTINGS\501 – Sanitary Cov

CITY OF BLOOMINGTON MINNESOTA	PLATE NAME: 501 – Sanitary Cov
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 5/15/2015
	LAST REVISED BY: KBO

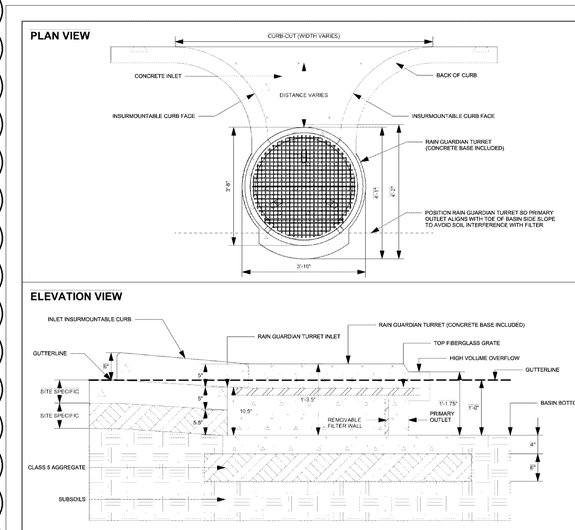


306 – TYPICAL WATER SERVICE
306 – Wat Serv.dwg 6/2015

W:\Cad_Comm\Details Updated\0 – 300 – WATER\306 – Wat Serv

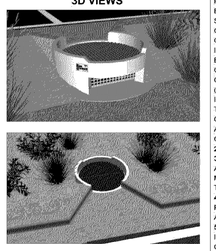
CITY OF BLOOMINGTON MINNESOTA	PLATE NAME: 306 – Wat Serv
ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT	LAST REVISED: 6/15/2015
	LAST REVISED BY: KBO

2



PLAN VIEW NOTES
1. INLET WIDTH AND DISTANCE BETWEEN BACK OF CURB AND RAIN GUARDIAN TURRET MAY VARY WITH SITE CONDITIONS.
2. CONCRETE BASE EXTENDS BEYOND THE FILTER WALL OF THE RAIN GUARDIAN TURRET TO SERVE AS A SPLASH DISSIPATOR.

3D VIEWS



CROSS-SECTION VIEW NOTES
1. THE TOP OF THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR) IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION.

SPECIFICATIONS
1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURE (10,030 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (4% TO 8% BY VOLUME). MANUFACTURED AND DESIGNED TO ASTM C858.
2. THREE-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK.
3. TWO-PIECE FIBERGLASS TOP GRATE (16 LBS/PIECE, 1-1/2" THICK) - 1,760 LB CONCENTRATED LOAD OR 409 LB/SQ-FT UNIFORM LOAD.

INSTALLATION NOTES
1. INSTALL THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR). THE DISTANCE FROM THE BACK OF THE CURB MAY VARY BASED ON SITE CONDITIONS, BUT CONSIDERATIONS SHOULD INCLUDE SLOPE OF THE INLET AND BASIN SIDE SLOPES ADJACENT TO THE RAIN GUARDIAN TURRET. POSITION RAIN GUARDIAN TURRET SO PRIMARY OUTLET ALIGNS WITH TOE OF BASIN SIDE SLOPE TO AVOID SOIL INTERFERENCE WITH REMOVABLE FILTER WALL. EXCAVATE 1' 10" BELOW THE GUTTERLINE ELEVATION (I.E. THE BIORETENTION OVERFLOW ELEVATION) TO ACCOMMODATE THE 1' PONDING DEPTH, 6" CLASS 5 AGGREGATE, AND 4" RAIN GUARDIAN TURRET BASE (INCLUDED). THEREFORE, THE TOP OF THE CLASS 5 COMPACTED BASE IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION. THE INLET TO THE RAIN GUARDIAN TURRET WILL BE 10-1/2" ABOVE THE TOP OF THE CONCRETE BASE AND 1-1/2" BELOW THE GUTTERLINE ELEVATION TO ACCOMMODATE A SLOPED INLET FROM THE GUTTER TO THE RAIN GUARDIAN TURRET.
2. SET RAIN GUARDIAN TURRET ON THE PREPARED CLASS 5 BASE.
3. INSTALL FRAMING FOR INLET BETWEEN RAIN GUARDIAN TURRET AND BACK OF CURB. TOP ELEVATIONS OF THE FRAMING SHOULD MATCH THE TOP OF THE CURB ON THE STREET SIDE AND THE TOP OF THE RAIN GUARDIAN TURRET ON THE BIORETENTION SIDE.
4. INSTALL EXPANSION/CONTRACTION JOINT MATERIAL OR A SHEET OF POLY TO SERVE AS A BOND BREAK BETWEEN RAIN GUARDIAN TURRET AND CONCRETE INLET BEFORE POURING INLET.
5. SIDE CURBS OF THE POURED INLET MUST HAVE AN INSURMOUNTABLE PROFILE TO PREVENT WATER FLOW FROM OVERTOPPING THE DOWNSTREAM SIDE OF THE INLET.
6. REMOVABLE FILTER WALL SHOULD BE INSTALLED WITH FILTER FABRIC FACING THE RAIN GUARDIAN TURRET INLET.

MANUFACTURED BY: FORTERRA Structural & Specialty

RAIN GUARDIAN 3D RETAINING SYSTEMS
PRETREATMENT FOR BIORETENTION
Rain Gardens • Swales • Filtration Basins • Infiltration Basins

RAIN GUARDIAN TURRET
PRETREATMENT CHAMBER
BIORETENTION PONDING DEPTH: 1'
TYPICAL DETAIL

REVISION HISTORY

REV	BY	DATE	DESCRIPTION
A	MDH	08/29/18	TURRET: 1'
SCALE		VARIABLE	
U.S. PATENT NOS.		8,501,016 AND 8,858,804	

Anoka Conservation District
1318 McKay Dr. NE, Suite 300
Ham Lake, MN 55304
763-434-2030

No.	REVISIONS	DATE	BY
2	ADDENDUM 2	06/05/2020	BPG
1	ADDENDUM 1	06/01/2020	BPG

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WWW.KIMLEY-HORN.COM

reprise DESIGN Architecture, Inc.

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KHA PROJECT	160167000
DATE	06/05/2020
SCALE	AS SHOWN
DESIGNED BY	BPG
DRAWN BY	BPG
CHECKED BY	TDS

CIVIL DETAILS

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BEST BUY DISTRIBUTION CENTER
PREPARED FOR
REPRISE DESIGN
BLOOMINGTON MN

SHEET NUMBER
C703

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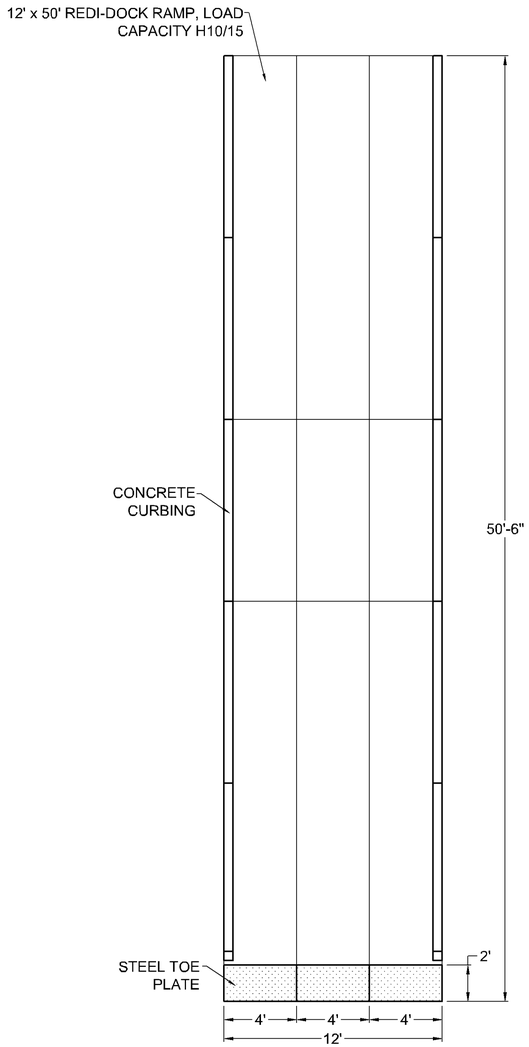


OKAY TO PROCEED

PRINT NAME & CO.

SIGN AND DATE

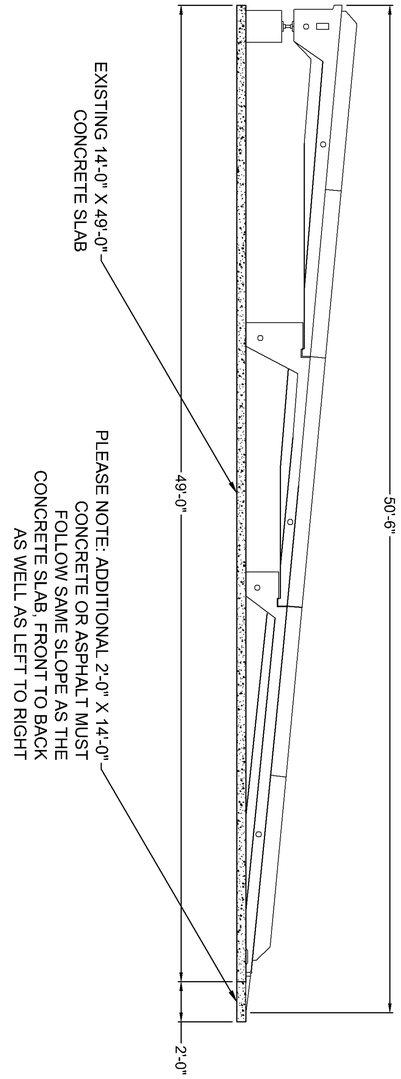
THIS RELEASES R.P.I. TO MANUFACTURE THE REQUESTED PRODUCT

Reading Precast Inc.
Manufacturer of Precast Concrete Products

FILE NO:	12' x 50' REDI-DOCK		
DRAWN BY: A. WEILER	DATE: 00-00-15	SCALE: N.T.S.	SHEET: 1 of 1

CUSTOMER:

PROJECT:



OKAY TO PROCEED

PRINT NAME & CO.

SIGN AND DATE

THIS RELEASES R.P.I. TO MANUFACTURE THE REQUESTED PRODUCT

Reading Precast Inc.
Manufacturer of Precast Concrete Products

FILE NO:	50' REDI-DOCK		
DRAWN BY: J. DEIBERT	DATE: 04-22-2019	SCALE: N.T.S.	SHEET: 1 of 1

CUSTOMER: NPSG Development

PROJECT: DBO-6 (Amazon)

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1	ADDENDUM 1	06/01/2020	BPG

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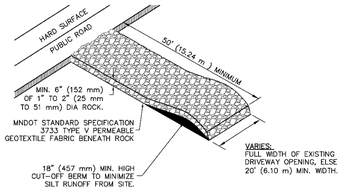

600 – ROCK CONSTRUCTION ENTRANCE AT ACCESS ROADS
600 – Rock Const. Ent.dwg 5/2015

H:\Cad_Comm\Details Updated\0 – EROSION\600 – Rock Const. Ent

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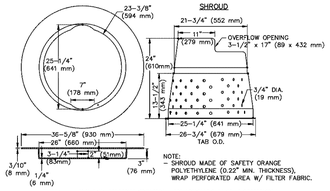
PLATE NAME: **600 – Rock Const. Ent**

LAST REVISED: 5/15/2015

LAST REVISED BY: KBO



605 – INLET PROTECTION, PERFORATED EROSION BARRIER SHROUD W/ 27" DIA. FRAME
605 – Inlet Shroud (ROUND).dwg 5/2015

H:\Cad_Comm\Details Updated\0 – EROSION\605 – Inlet Shroud (ROUND)

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PLATE NAME: **605 – Inlet Shroud (ROUND)**

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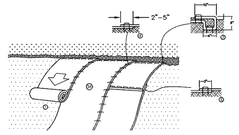
LAST REVISED BY: KBO



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL STAPLE PATTERN, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED STORES CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-3" (5cm–12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAY. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.
6. FOLLOW MANUFACTURER'S RECOMMENDED STAPLE PATTERN, FOR THE SLOPE FOR THE SPECIFIED BLANKET.

NOTE:
IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

611 – STANDARD STAPLE PATTERN
611 – Std Staple Pattern.dwg 5/2015

H:\Cad_Comm\Details Updated\0 – EROSION\611 – Std Staple Pattern

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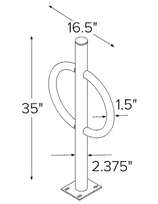
PLATE NAME: **611 – Std Staple Pattern**

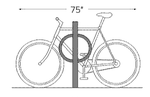
LAST REVISED: 5/15/2015

LAST REVISED BY: KBO

BIKE HITCH

Submittal Sheet





CAPACITY 2 Bikes

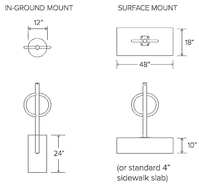
MATERIALS **Centerbeam:** 2" schedule 40 pipe (2.375" OD)
Ring: 1.5" OD 11 gauge tube

FINISHES

- ☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option.
- ☐ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat
- ☒ **PVC Dip** Black PVC
- ☐ **Stainless** Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

MOUNT OPTIONS

- ☐ **In-ground** In ground mount is embedded into concrete base. Specify in ground mount for this option.
- ☒ **Surface** Foot Mount has a 5"x6"x.25" foot with four anchors per foot. Specify foot mount for this option.



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SHEET NUMBER
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