

04-29-2022 LETTING ITEM 090

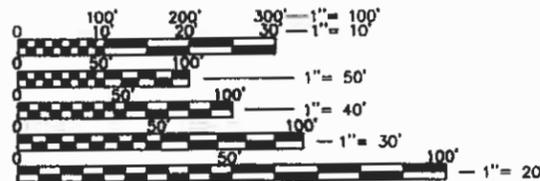
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FOR INDEX OF SHEETS SEE SHEET NO. 2

PROJECT LOCATED IN THE
CITY OF WARRENVILLE

ILLINOIS PRAIRIE PATH
IL ROUTE 56 (BUTTERFIELD ROAD) AND ROCKWELL STREET
TO IL ROUTE 56 (BUTTERFIELD ROAD) AND BATAVIA ROAD
TRAILHEAD IMPROVEMENTS
SECTION No.: 19-00039-00-BT
PROJECT No.: ZF8R(670)
TRAILHEAD IMPROVEMENTS
DUPAGE COUNTY
C-91-095-20

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DuPage	49	1
CONTRACT NO.: 61H18		ILLINOIS		

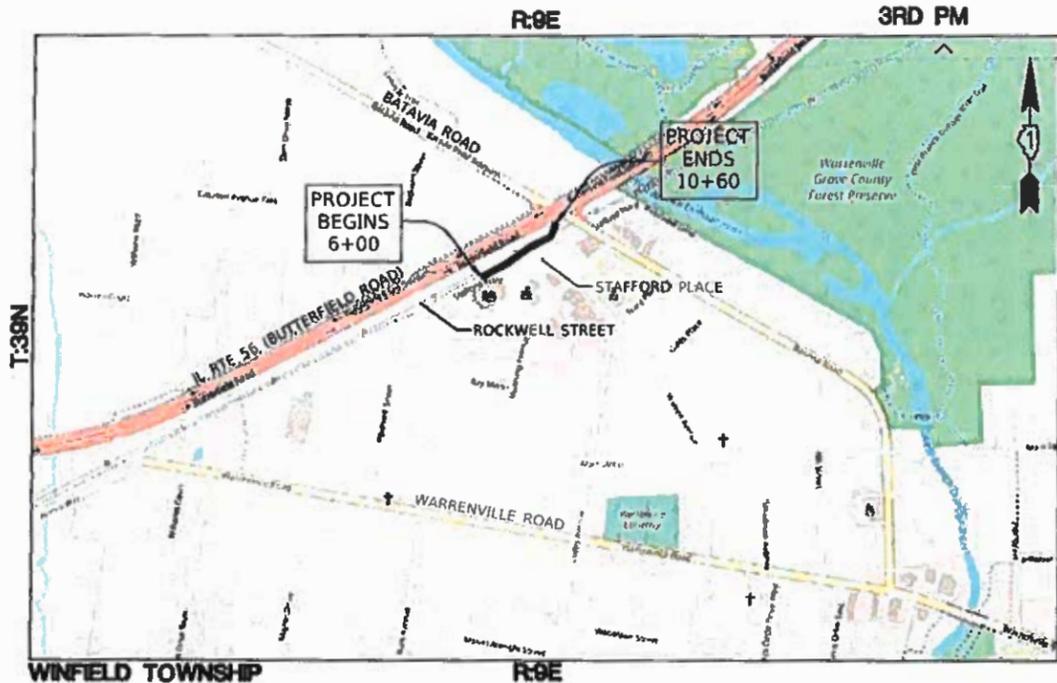


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

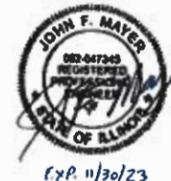
PROJECT MANAGER: JOHN F. MAYER, P.E.
PROJECT ENGINEER: ANDREW R. KUSTUSCH, P.E.

CONTRACT NO. 61H18



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 460.00'
NET LENGTH = 460.00'



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 2/8/2022
Andrew R. Kustus
DUPAGE COUNTY COUNTY ENGINEER

APPROVED February 4, 2022
K.F.H.
CITY OF WARRENVILLE

PASSED FEB 24, 2022
C. F. Rode
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 25, 2022
John F. Mayer
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF
THE STATE OF ILLINOIS

ENGINEERING RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
WARRENVILLE, ILLINOIS 60065
PHONE (830) 393-3080
FAX (830) 393-2182

FEDERAL AID ENGINEER: CARMEN E. RAMOS, SCHAMBURG, IL

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LEGEND

	= EX. PROPERTY LINE
	= EX. LOT LINE
	= EX. EASEMENT LINE
	= EX. SANITARY LINE
	= EX. WOOD FENCE
	= EX. WATER LINE
	= EX. OVERHEAD WIRE
	= EX. WOOD FENCE
	= EX. CONCRETE CURB & GUTTER
	= EX. TREE/BRUSH LINE
	= EX. 1 FOOT CONTOURS
	= FOUND IRON PIPE OR ROD
	= EX. ELECTRICAL METER
	= EX. ELECTRIC PEDESTAL
	= EX. AIR CONDITIONING UNIT
	= EX. FIRE HYDRANT/AUX. VALVE
	= EX. VALVE BOX
	= EX. MAILBOX
	= EX. SPOT ELEVATION
	= EX. CONIFEROUS TREE
	= EX. DECIDUOUS TREE
	= EX. SHRUB

ABBREVIATIONS

A	ARC LENGTH
CH	CHORD
CONC.	CONCRETE
E	EAST
FIP	FOUND IRON PIPE
FIR	FOUND IRON ROD
N	NORTH
R	RADIUS
R.O.W.	RIGHT OF WAY
S	SOUTH
W	WEST
B.S.L.	BUILDING SETBACK LINE
DOC.	DOCUMENT
(XXX.XX)	RECORD INFORMATION
XXX.XX	MEASURED INFORMATION

GENERAL NOTES

- THE CONTRACTOR SHALL CONTACT THE ENGINEER AND TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. WORK SHALL BEGIN AFTER AUGUST 7, 2022.
- CONTRACTOR TO HAVE LIMITED ACCESS FOR STORAGE OF EQUIPMENT AND/OR MATERIALS. STAGING OF EQUIPMENT AND/OR MATERIALS WITHIN RIGHT OF WAYS (R.O.W.) SHALL BE GRANTED ON A LIMITED BASIS TO ACCOMMODATE DAILY CONSTRUCTION ACTIVITIES WITH PRIOR APPROVAL BY THE ENGINEER. OVERNIGHT STORAGE IN R.O.W. IS PROHIBITED. CONTRACTOR MAY STORE MATERIALS AND EQUIPMENT AT THE CITY OF WARRENVILLE'S PUBLIC WORKS YARD LOCATED AT 3S346 MIGNIN DRIVE WITH PRIOR APPROVAL FROM THE PUBLIC WORKS DIRECTOR (TEL. NO. 630-393-9050). STORAGE AT THE PUBLIC WORKS YARD IS AT CONTRACTOR'S RISK.
- SIDEWALK CLOSURES SHALL BE GRANTED ON A LIMITED BASIS TO ACCOMMODATE DAILY CONSTRUCTION ACTIVITIES WITH PRIOR APPROVAL BY THE ENGINEER. CONTRACTOR SHALL FOLLOW IDOT STANDARD 701801-06 TO REDIRECT PEDESTRIAN TRAFFIC ACCORDINGLY.
- VERIFY SITE CONDITIONS AND INFORMATION ON DRAWINGS. PROMPTLY REPORT ANY CONCEALED CONDITIONS, MISTAKES, DISCREPANCIES OR DEVIATIONS FROM THE INFORMATION SHOWN IN THE CONTRACT DOCUMENTS. CHANGE ORDERS/EXTRA WORK AND AUTHORIZATION ARE COVERED BY STANDARD SPECIFICATIONS.
- THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL MATERIALS EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. HAULING OR TRUCKING THE MATERIAL TO LOCATIONS, SHALL BE PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF IMPROVEMENT.
- CITY OF WARRENVILLE WILL PROVIDE THE CONTRACTOR WITH WATER AND WATER METER, AND BATHROOM FACILITIES AT THE PUBLIC WORKS YARD LOCATED AT 3S346 MIGNIN DRIVE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE"(811) AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- ALL WORK SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (JANUARY 1, 2022), THE CITY OF WARRENVILLE CODE OF ORDINANCES, THE COUNTY OF DUPAGE CODE OF ORDINANCES, AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", (LATEST EDITION).
- THE EROSION & SEDIMENT CONTROL PRACTICES SHALL BE ACCORDING TO THE ILLINOIS URBAN MANUAL (LATEST EDITION).
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO UPLAND DISTURBANCE.
- THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION LAYOUT REQUIRED TO COMPLETE THE WORK.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED. (MIDDLE NUMBER SHOULD EQUAL 0).

STORM SEWERS, STRUCTURES, & UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATERMANS, AND ELECTRICAL FACILITIES TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR PROTECTION OF THE UTILITY INVOLVED.
- SPECIFIC ATTENTION IS CALLED TO THE EXISTING HIGH-VOLTAGE OVERHEAD TRANSMISSION LINES OWNED BY COMED.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNER OF THE UTILITY.

DUPAGE COUNTY DIVISION OF TRANSPORTATION NOTES

- DISTURBED AREAS OF THE COUNTY'S RIGHT OF WAY SHALL BE REGRADED AND RESTORED WITH TOPSOIL AND CLASS 2A SALT TOLERANT SEED (WITH EROSION CONTROL BLANKET OR HYDRO SEEDING) OR SOD (SALT TOLERANT AND STAKED IN PLACE) UNLESS SHOWN OTHERWISE ON THE PLANTING PLAN.
- ANY DAMAGE TO PATH SURFACES BY CONSTRUCTION TRAFFIC OR DURING CONSTRUCTION SHALL BE REPLACED AS COORDINATED WITH THE DUPAGE COUNTY DIVISION OF TRANSPORTATION AND AS DIRECTED BY THE ENGINEER.
- CONTACT DUPAGE COUNTY DOT (630-407-6900) A MINIMUM OF 48 HRS PRIOR TO START OF CONSTRUCTION TO ARRANGE FOR INSPECTIONS OF AND AT THE COMPLETION OF THE DESCRIBED WORK WITHIN THE COUNTY'S RIGHT-OF-WAY.
- ALL WORK WITHIN THE DUPAGE COUNTY DOT RIGHT-OF-WAY SHALL MEET THE LOCAL REQUIREMENTS OF THE COUNTY.

SEDIMENT & EROSION CONTROL NOTES

- DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, PARKING OF VEHICLES OF CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES.
- CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT OWNER APPROVED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- TEMPORARY SEDIMENT CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PERMANENT VEGETATION IS GROWING AND THRIVING.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION.
- ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT.
- IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.
- TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 50 LBS/ACRES.
- WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.
- ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS. INSPECTED DAILY AND CLEANED WHEN NECESSARY AND AS DIRECTED BY ENGINEER.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE MOST RECENT ILLINOIS URBAN MANUAL.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER, CITY OF WARRENVILLE, OR DUPAGE COUNTY.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL ITEMS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY SEDIMENT CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL SYSTEMS AND SHALL NOT BE PAID FOR SEPARATELY.
- ALL DROP INLETS ON AND ADJACENT TO THE SITE MUST HAVE A SEDIMENT TRAPPING OR CONTAINMENT DEVICE INSTALLED DURING CONSTRUCTION ACTIVITIES. FILTER FABRIC ON ITS OWN IS NOT AN APPROVED METHOD. A MANUFACTURER'S SPEC SHOULD BE USED FOR PREFABRICATED DROP INLET PROTECTION AND SHOULD BE AS NOTED IN THE ILLINOIS URBAN MANUAL STANDARD 861 FOR INLET PROTECTION.
- THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS 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, PROTECTION OF TREES, PRESERVATION OF NATURAL VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. AREAS OF EXISTING VEGETATION OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

WATER SERVICES

- For water services 2-inch diameter and less shall be Type "K" copper only with a minimum size of one-inch (1") diameter.
- All brass is preferred to have compression fittings. Compression fittings must be of the stainless full circle ring retainage. No set screws are allowed. Flair fitting are acceptable.
- B-Boxes shall be of the arch pattern design with a telescoping one and one quarter-inch (1- 1/4") iron pipe upper section, pentagon nut access, enlarged base for 1-1/2" roundways and larger, manufactured in the USA.
- Tapping saddle at minimum shall be epoxy coated ductile with two stainless steel bands. All stainless steel saddles are acceptable. Manufactured in USA.
- All repair clamps shall be full circle stainless steel.
- Depth of bury for water services to be 5'-6" (minimum) to 6'-6" (maximum).

SANITARY SEWER

- All sanitary sewer and sanitary sewer service pipe shall be SDR 26 ASTM D-2241 and fittings shall meet the requirements of ASTM D-3139. **Note:** This is a pressure rated pipe.
- Sanitary sewer services shall be a minimum of 6-inches in diameter.
- All sanitary sewers shall be air and mandrel tested, and televised, including private commercial lines between inspection manhole and the public sanitary sewer. Copies of DVDs and reports shall be provided to the City.
- Sanitary sewer manholes shall have openings for the pipe connections cast into the wall of the structure. Rubber gasketed coupling (boot) with stainless steel bands / retainers shall be per ASTM C-923.
- When connecting to an existing manhole, the hole must be cored and a rubber gasketed coupling (boot) with stainless steel bands / retainers shall be per ASTM C-923. The bench shall be removed and repoured, if necessary. Rubber boots/seals must be used where pipes enter manholes. The internal connection shall be dressed up with non-shrink hydraulic cement. Hydraulic cement, mortar, and concrete must be of the strength and water-tightness quality as specified in the ASTM standards
- When connecting a new sanitary service to an existing sanitary sewer main without an existing wye, contact Public Works to determine which one of the two following methods shall be used:
 - A section of the main shall be cut out to install a new wye. Connection between the existing sanitary sewer and the new wye shall be made with non-shear mission couplings with two stainless steel bands to a point where the coupling cannot shift.
 - Core the existing main and make the connection with a watertight lateral fitting.
- Sanitary manholes shall be pre-cast concrete units. For sanitary sewers 18-inch diameter or less, the manhole shall be 48-inch inside diameter. For sanitary sewers 21-inch diameter and larger, the manhole shall be 60-inch inside diameter.
- Frames and lids shall have the word "SANITARY" cast in the cover. The lid shall be a self-sealing solid lid with watertight gasket and concealed pickhole.
- All commercial buildings shall have an inspection manhole.
- Manhole sections and adjusting rings shall be sealed with butyl rope.
- Sanitary manholes shall have a poured concrete bench.
- Rings / steps shall be installed in manholes unless specifically prohibited.
- External chimney seals will be required with all sanitary manholes. The frame, chimney, and top "lip" of the cone section shall be required to be sealed with a chimney seal. This should be observed by the City prior to backfilling.
- No ground water will be allowed to enter the sanitary sewer during or after construction.
- No more than twelve inches (12") of adjusting rings are allowed.

FILE NAME:H:\Warrenville\190706 Ph. 1 Trailhead Impr\190706.P2
 I:\Trailhead Improvements\CADD\190706_SIP_Details.dwg



USER NAME = azellinski	DESIGNED - A.Z.	REVISED -
	DRAWN - A.J.	REVISED -
PLOT SCALE = SCALES	CHECKED - J.M.	REVISED -
PLOT DATE = 2/2/2022	DATE - 12/13/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
 GENERAL NOTES, LEGEND, ABBREVIATIONS**

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

STA. --- TO STA. ---

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	2
CONTRACT NO.: 61H18				
ILLINOIS		FED. AID PROJECT		

SPECIALTY ITEM	SPECIAL PROVISIONS	CODE NUMBER	ITEM	UNIT OF MEASURE	QUANTITY	CONSTRUCTION CODE 0028 FEDERAL 75% / LOCAL 25%	CONSTRUCTION CODE 0042 FEDERAL 75% / LOCAL 25%	LOCAL 100%
		20101000	TEMPORARY FENCE	FOOT	900	900		
X		20101200	TREE ROOT PRUNING	EACH	3	3		
X		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	1	1		
X	X	20101700	SUPPLEMENTAL WATERING	UNIT	40	40		
		20400800	FURNISHED EXCAVATION	CU YD	150	150		
		20800150	TRENCH BACKFILL	CU YD	35	35		
	X	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3,162	3,162		
	X	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	357	357		
X		25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50		
X		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50	50		
X		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	50		
X		25100115	MULCH, METHOD 2	ACRE	0.25	0.25		
X		25100630	EROSION CONTROL BLANKET	SQ YD	3,162	3,162		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100		
		28000400	PERIMETER EROSION BARRIER	FOOT	900	900		
		28000510	INLET FILTERS	EACH	8	8		
		40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	7.3	7.3		
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,025	5,025		
		42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	770	770		
		42400800	DETECTABLE WARNINGS	SQ FT	100	100		

FILE NAME: H:\Warrenville\190706 Ph. I. Trailhead Impr\190706.P2
 PFP Trailhead Improvements\CADD\190706 STP Details.dwg



USER NAME = azielinski
 PLOT SCALE = \$SCALES
 PLOT DATE = 1/17/2022

DESIGNED - A.Z.
 DRAWN - A.J.
 CHECKED - J.M.
 DATE - 12/13/2021

REVISED - _____
 REVISED - _____
 REVISED - _____
 REVISED - _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 8 SHEETS STA. --- TO STA. ---

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	3
ILLINOIS FED. AID PROJECT			CONTRACT NO.: 61H18	

SPECIALTY ITEM	SPECIAL PROVISIONS	CODE NUMBER	ITEM	UNIT OF MEASURE	QUANTITY	CONSTRUCTION CODE 0028 FEDERAL 75% / LOCAL 25%	CONSTRUCTION CODE 0042 FEDERAL 75% / LOCAL 25%	LOCAL 100%
		44000300	CURB REMOVAL	FOOT	276	276		
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	48	48		
		44000600	SIDEWALK REMOVAL	SQ FT	3,212	3,212		
		44002208	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2"	SQ YD	65	65		
		44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	7.3	7.3		
		44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	59	59		
X	X	50901760	PIPE HANDRAIL	FOOT	120	120		
		550A0040	STORM SEWERS, CLASS A, TYPE 1, 10"	FOOT	75	75		
X	X	56200200	WATER SERVICE LINE, 3/4"	FOOT	25	25		
		60100925	PIPE DRAINS 8"	FOOT	52	52		
		60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	3		
		60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2		
		60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1		
		60500050	REMOVING CATCH BASINS	EACH	1	1		
		60600605	CONCRETE CURB, TYPE B	FOOT	94	94		
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	48	48		
		67100100	MOBILIZATION	L SUM	1	1		
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
X		72000100	SIGN PANEL - TYPE 1	SQ FT	4	4		

FILE NAME: H:\work\190706 Ph 1 Trailhead Impr\190706 P2
 PIP Trailhead Improvements\CADD\190706 STP Details.dwg



USER NAME = azielinski
 PLOT SCALE = SCALES
 PLOT DATE = 2/2/2022

DESIGNED - A.Z.
 DRAWN - A.J.
 CHECKED - J.M.
 DATE - 12/13/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 8 SHEETS STA. — TO STA. —

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	4
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISIONS	CODE NUMBER	ITEM	UNIT OF MEASURE	QUANTITY	CONSTRUCTION CODE 0028 FEDERAL 75% / LOCAL 25%	CONSTRUCTION CODE 0042 FEDERAL 75% / LOCAL 25%	LOCAL 100%
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	200	200		
X		81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	41			41
X		81702441	ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-12/C, 1-12/C GROUND	FOOT	41			41
	X	Z0003850	BENCHES	EACH	1	1		
	X	Z0003855	BICYCLE RACKS	EACH	5	5		
	X	Z0012455	CONCRETE STEP REMOVAL	EACH	1	1		
	X	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
	X	Z0039700	PICNIC TABLE	EACH	2.00	2.00		
	X	Z0076600	TRAINEES	HOURL	500		500	
	X	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500		500	
X		A2005920	TREE, PLATANUS X ACERIFOLIA 'BLOODGOOD', (BLOODGOOD LONDON PLANETREE), 2 1/2" CALLIPER, BALLED AND BURLAPPED	EACH	1.00	1.00		
X		C2000652	SHRUB, ARONIA MELANOCARPA AUTUMN MAGIC, (AUTUMN MAGIC BLACK CHOKEBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	25	25		
X		C2002324	SHRUB, DIERVILLA LONICERA (BUSH HONEY SUCKLE), 2' HEIGHT, BALLED AND BURLAPPED	EACH	30	30		
X		C2015302	SHRUB, JUNIPERUS CHINENSIS KALLAY'S COMPACTA, (KALLAY COMPACT JUNIPER), 5-GALLON	EACH	21	21		
X		C2C04675	SHRUB, PHYSOCARPA OPULIFOLIUS DONNA MAY (LITTLE DEVIL NINEBARK), 2-1/2' HEIGHT, CONTAINER	EACH	19	19		
X		C2C09784	SHRUB, SPIREA BETULIFOLIA TOR (TOR BIRCHLEAF SPIREA), 2' HEIGHT, CONTAINER	EACH	21.0	21.0		
X	X	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	6	6		
X	X	K0026850	PERENNIAL PLANT CARE	SQ YD	92.0	92.0		
X	X	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	10	10		

FILE NAME: H:\Wrenville\190706 Ph 1 Trailhead Impr\190706.P2
 I:\P\Trailhead Improvements\CADD\190706 STP Det\015.dwg



USER NAME = azielinski	DESIGNED - A.Z.	REVISED -
	DRAWN - A.J.	REVISED -
PLOT SCALE = SS CALES	CHECKED - J.M.	REVISED -
PLOT DATE = 1/17/2022	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 8 SHEETS STA. --- TO STA. ---

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	5
CONTRACT NO.: 61H18			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	SPECIAL PROVISIONS	CODE NUMBER	ITEM	UNIT OF MEASURE	QUANTITY	CONSTRUCTION CODE 0028 FEDERAL 75% / LOCAL 25%	CONSTRUCTION CODE 0042 FEDERAL 75% / LOCAL 25%	LOCAL 100%
	X	X0100029	EXPLORATORY EXCAVATION	FOOT	80	80		
	X	X0320067	BENCH REMOVAL	EACH	3	3		
	X	X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	1	1		
	X	X0324450	SEGMENTAL CONCRETE BLOCK WALL, SPECIAL	SQ FT	150	150		
X	X	X0325130	TUBULAR TRAFFIC SIGN POST	EACH	2	2		
	X	X0325786	STONE SEATING	SQ FT	74	74		
X	X	X0325789	INTERPRETIVE SIGNAGE COMPLETE	EACH	1	1		
X	X	X0325970	SOIL CONDITIONER 3"	SQ YD	357	357		
	X	X1700067	STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	516.00	516.00		
	X	X1800024	DECORATIVE STONE	SQ FT	295	295		
	X	X2020410	EARTH EXCAVATION, SPECIAL	CU YD	275	275		
X	X	X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.25	0.25		
X	X	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.25	0.25		
	X	X3400004	RETAINING WALL REMOVAL	FOOT	75	75		
	X	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	1,730	1,730		
	X	X4240450	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH, SPECIAL	SQ FT	300	300		
	X	X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	213.0	213.0		
X	X	X8300001	LIGHT POLE, SPECIAL	EACH	1			1
X	X	X8360120	LIGHT POLE FOUNDATION, SPECIAL	EACH	1			1
	X	XX000959	TRASH RECEPTACLES	EACH	4	4		

FILE NAME: H:\Work\190706 Ph. I. Traffic\190706 Ph. I. Traffic.dwg
 PLOT DATE: 1/17/2022
 PLOT SCALE: 1/8"=1'-0"



USER NAME = azielinski
 DESIGNED - A.Z.
 DRAWN - A.J.
 CHECKED - J.M.
 DATE - 12/13/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 8 SHEETS STA. -- TO STA. --

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
385	19-00039-00-BT	DUPAGE	49	6
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\Warrenville\190706 Ph 1 Trailhead Impr\190706 P2
 IPI Trailhead Improvements\CADD\190706 STP Details.dwg



USER NAME = azielinski	DESIGNED - A.Z.	REVISED -
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PLOT DATE = 2/2/2022	DATE - 12/13/2021	REVISED -

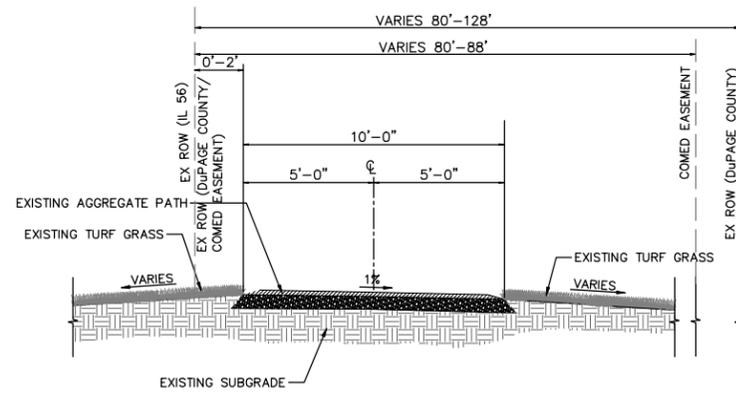
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 8 SHEETS STA. — TO STA. —

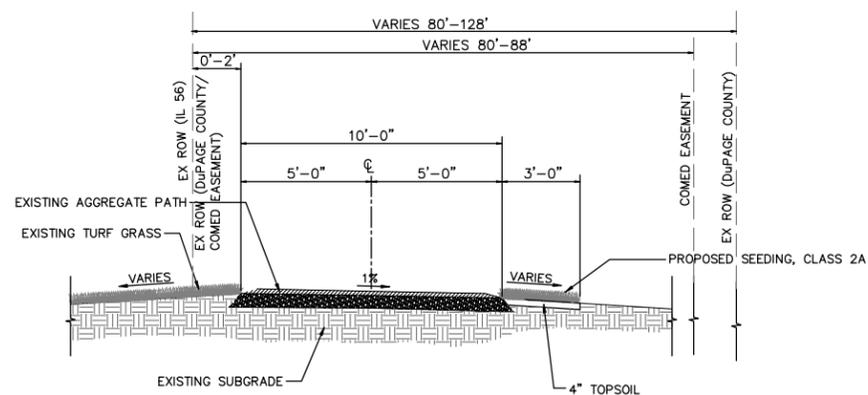
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365	19-00039-00-BT	DUPAGE	49	7
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISIONS	CODE NUMBER	ITEM	UNIT OF MEASURE	QUANTITY	CONSTRUCTION CODE 0028 FEDERAL 75% / LOCAL 25%	CONSTRUCTION CODE 0042 FEDERAL 75% / LOCAL 25%	LOCAL 100%
X	X	XX001683	INFORMATION KIOSK	EACH	1	1		
	X	XX005845	MODULAR CONCRETE PAVERS (SPECIAL)	SQ FT	150	150		
X	X	XX006670	TRAIL HEAD SIGN, COMPLETE	EACH	2	2		
	X	XX006921	PRECAST MEDALLIONS	EACH	1	1		
X	X	XX009020	LUMINAIRE, LED, TYPE 3, SPECIAL	EACH	1			1
X	X	XX009045	DRINKING FOUNTAIN	EACH	1	1		
X	X	XX009334	BICYCLE REPAIR STATION	EACH	1	1		
X	X	XX009525	RESTROOM BUILDING	L SUM	1	1		



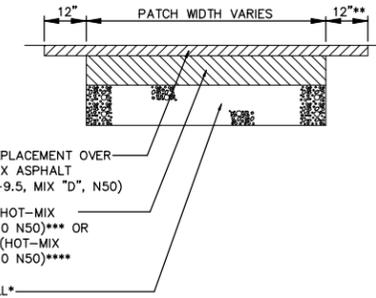
EXISTING TYPICAL SECTION
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STA. 006+00 TO STA. 006+56
STA. 006+66 TO STA. 010+37



PROPOSED TYPICAL SECTION
NOT TO SCALE

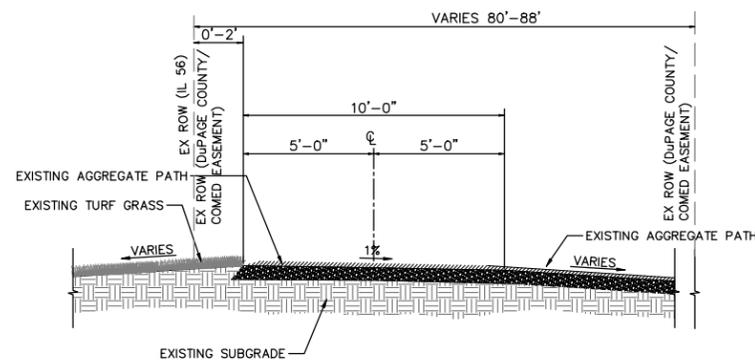
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STA. 006+54.34 TO STA. 006+62.88
STA. 006+70.88 TO STA. 008+60.44
STA. 008+68.44 TO STA. 009+70.95
STA. 009+78.95 TO STA. 010+48.16



HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, 2" (HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50)
CLASS D PATCHES, TYPE II, 4" (HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N50)*** OR CLASS D PATCHES, TYPE IV, 4" (HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N50)****
TRENCH BACKFILL*

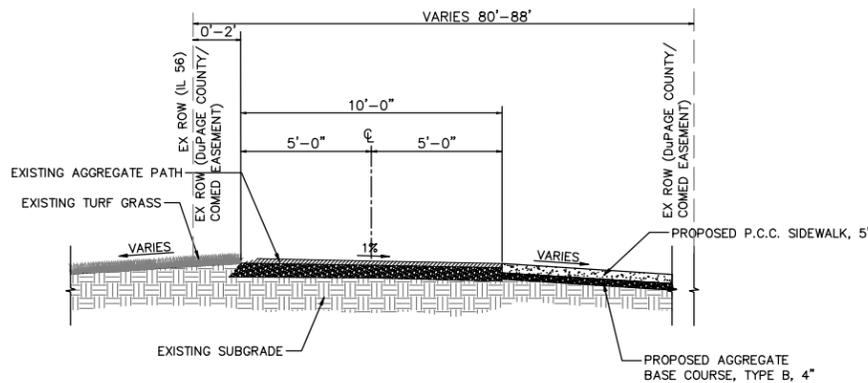
*FOR PATCHING ALONG EXISTING CURB: EXISTING AGGREGATE BASE
**FOR PATCHING ALONG EXISTING CURB: NO 12" EXTENSION OF SURFACE COURSE.
***FOR PATCHING ON THE WEST SIDE OF THE PARKING LOT FOR PROPOSED STORM SEWER
****FOR PATCHING ON THE NORTH AND EAST SIDES OF THE PARKING LOT

PAVEMENT PATCH DETAIL
NOT TO SCALE



EXISTING TYPICAL SECTION
NOT TO SCALE

STA. 006+56 TO STA. 006+66
STA. 010+37 TO STA. 010+60



PROPOSED TYPICAL SECTION
NOT TO SCALE

STA. 006+39.44 TO STA. 006+54.34
STA. 006+62.88 TO STA. 006+70.88
STA. 008+60.44 TO STA. 008+68.44
STA. 009+70.95 TO STA. 009+78.95
STA. 010+48.16 TO STA. 010+60.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

PATCHING

PAY ITEM DESCRIPTION	AIR VOIDS @ Ndes	QMP
CLASS D PATCHES, TYPE II, 4" (HMA BINDER IL-19.0 N50)	4% @ 50 Gyr.	LR 1030-2
CLASS D PATCHES, TYPE IV, 4" (HMA BINDER IL-19.0 N50)	4% @ 50 Gyr.	LR 1030-2
HMA REPLACEMENT OVER PATCHES (HMA SURFACE IL-9.5, MIX "D" N50)	4% @ 50 Gyr.	LR 1030-2

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD-IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS

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APP: Trailhead Improvements\CADD\190706_SIP_Details.dwg



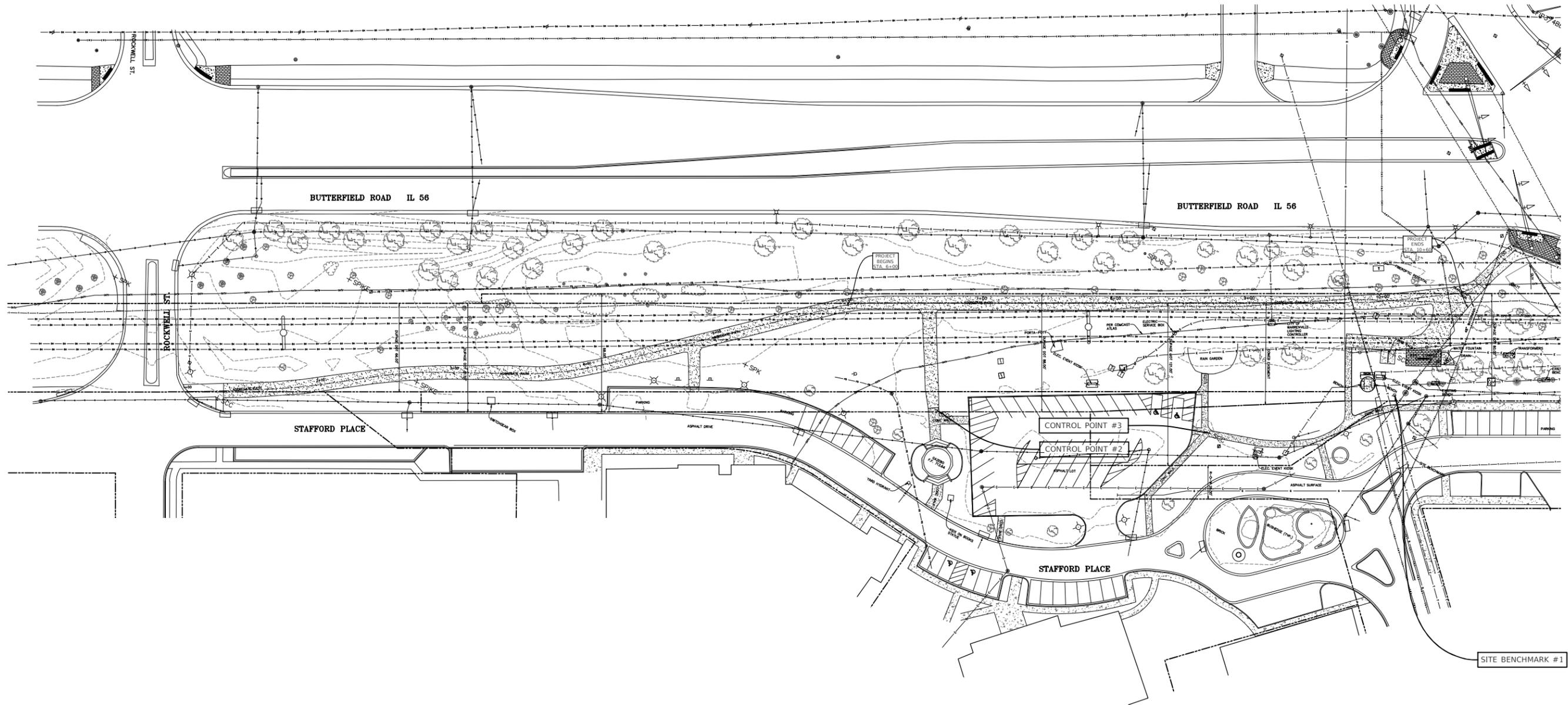
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PLOT DATE = 2/10/2022	CHECKED - J.M.	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. --- TO STA. ---

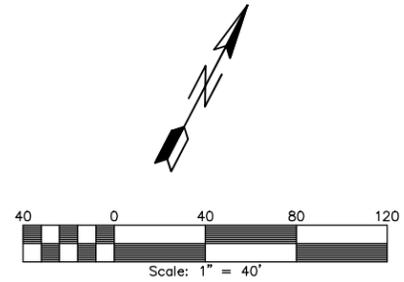
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	8
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				



SITE BENCHMARK #1
 SITE BENCHMARK (BM)
 MUELLER BOLT ON FIRE HYDRANT APPROXIMATELY 66 FEET NORTHEAST OF THE TOWER ON SITE.
 ELEV: 712.94 (NAVD 88)

CONTROL POINT #2
 CUT CROSS IN NORTHEAST CORNER OF SIDEWALK, APPROX. 21' NORTH OF THE NORTH MOST STEP FOR THE EXISTING GAZEBO.
 NORTHING: 1878331.005
 EASTING: 1025413.967
 ELEVATION: 710.74 (NAVD 88)

CONTROL POINT #3
 CUT CROSS IN CENTERLINE OF SIDEWALK LEADING EAST FROM HANDICAPPED PARKING STALLS AT NORTHEAST CORNER OF PARKING LOT, APPROX. 12.5' EAST OF BACK OF CURB
 NORTHING: 1878410.173
 EASTING: 1025601.702
 ELEVATION: 711.06 (NAVD 88)



FILE NAME: H:\Warrenville\190706 Ph 1 Trailhead Impr\190706.P2
 PIP Trailhead Improvements\CADD\190706 STP Proposed 5.dwg



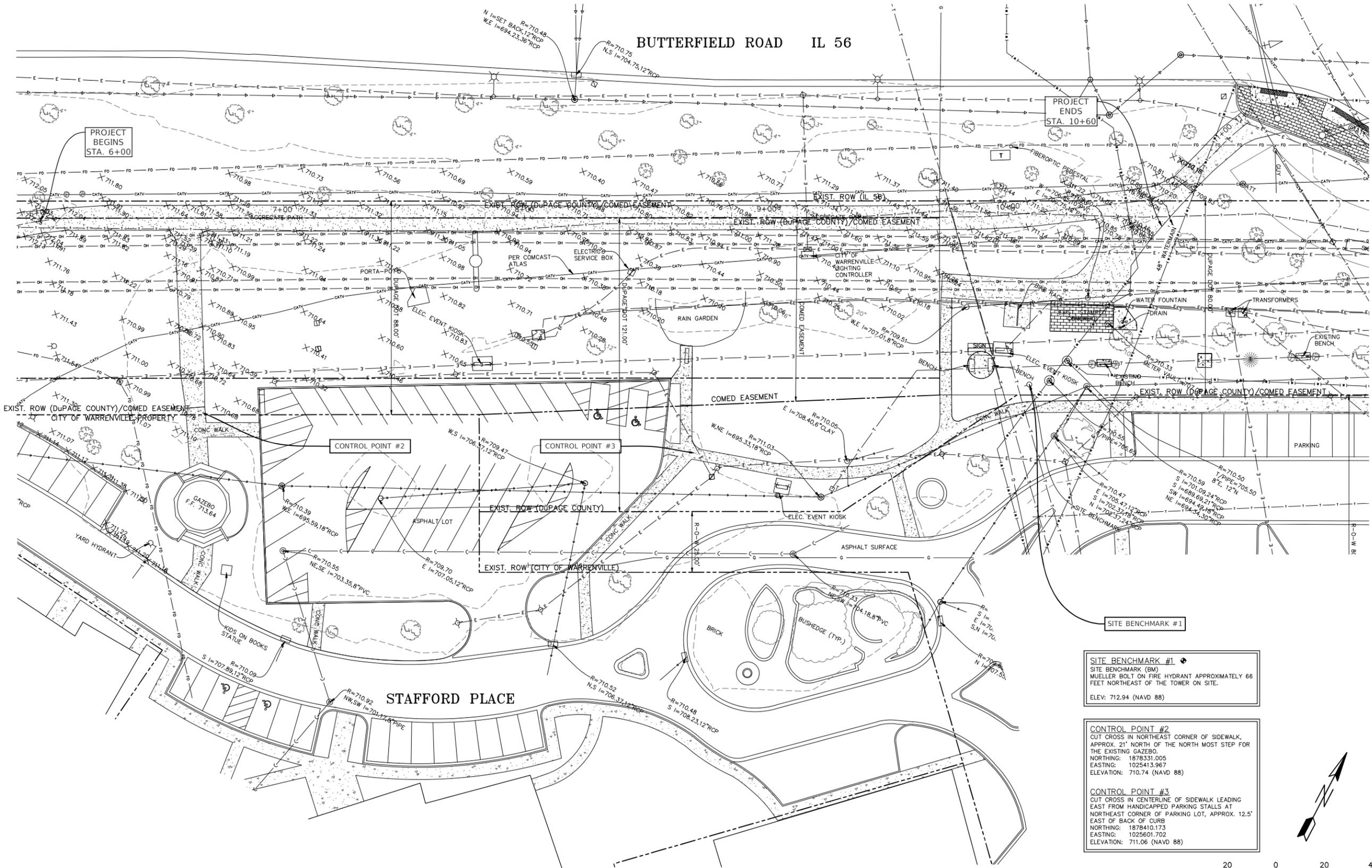
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PLOT SCALE = SSCALE\$	DRAWN - A.J.	REVISED -
PLOT DATE = 2/10/2022	CHECKED - J.M.	REVISED -
	DATE - 12/13/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT AND BENCHMARKS

SCALE: 1"=40' SHEET NO. 1 OF 1 SHEETS STA. 6+00 TO STA. 10+60

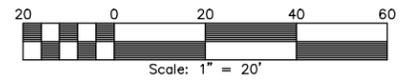
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	9
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				



SITE BENCHMARK #1
 SITE BENCHMARK (BM)
 MUELLER BOLT ON FIRE HYDRANT APPROXIMATELY 66 FEET NORTHEAST OF THE TOWER ON SITE.
 ELEV: 712.94 (NAVD 88)

CONTROL POINT #2
 CUT CROSS IN NORTHEAST CORNER OF SIDEWALK, APPROX. 21' NORTH OF THE NORTH MOST STEP FOR THE EXISTING GAZEBO.
 NORTHING: 1878331.005
 EASTING: 1025413.967
 ELEVATION: 710.74 (NAVD 88)

CONTROL POINT #3
 CUT CROSS IN CENTERLINE OF SIDEWALK LEADING EAST FROM HANDICAPPED PARKING STALLS AT NORTHEAST CORNER OF PARKING LOT, APPROX. 12.5' EAST OF BACK OF CURB
 NORTHING: 1878410.173
 EASTING: 1025601.702
 ELEVATION: 711.06 (NAVD 88)



FILE NAME: H:\Warrenville\190706 Ph. 1 Trailhead Impr\190706.P2
 PIP Trailhead Improvements\CADD\190706 STP Proposed 5.dwg



USER NAME = azellinski	DESIGNED - A.Z.	REVISED -
PLOT SCALE = SCALES	DRAWN - A.J.	REVISED -
PLOT DATE = 2/10/2022	CHECKED - J.M.	REVISED -
	DATE - 12/13/2021	REVISED -

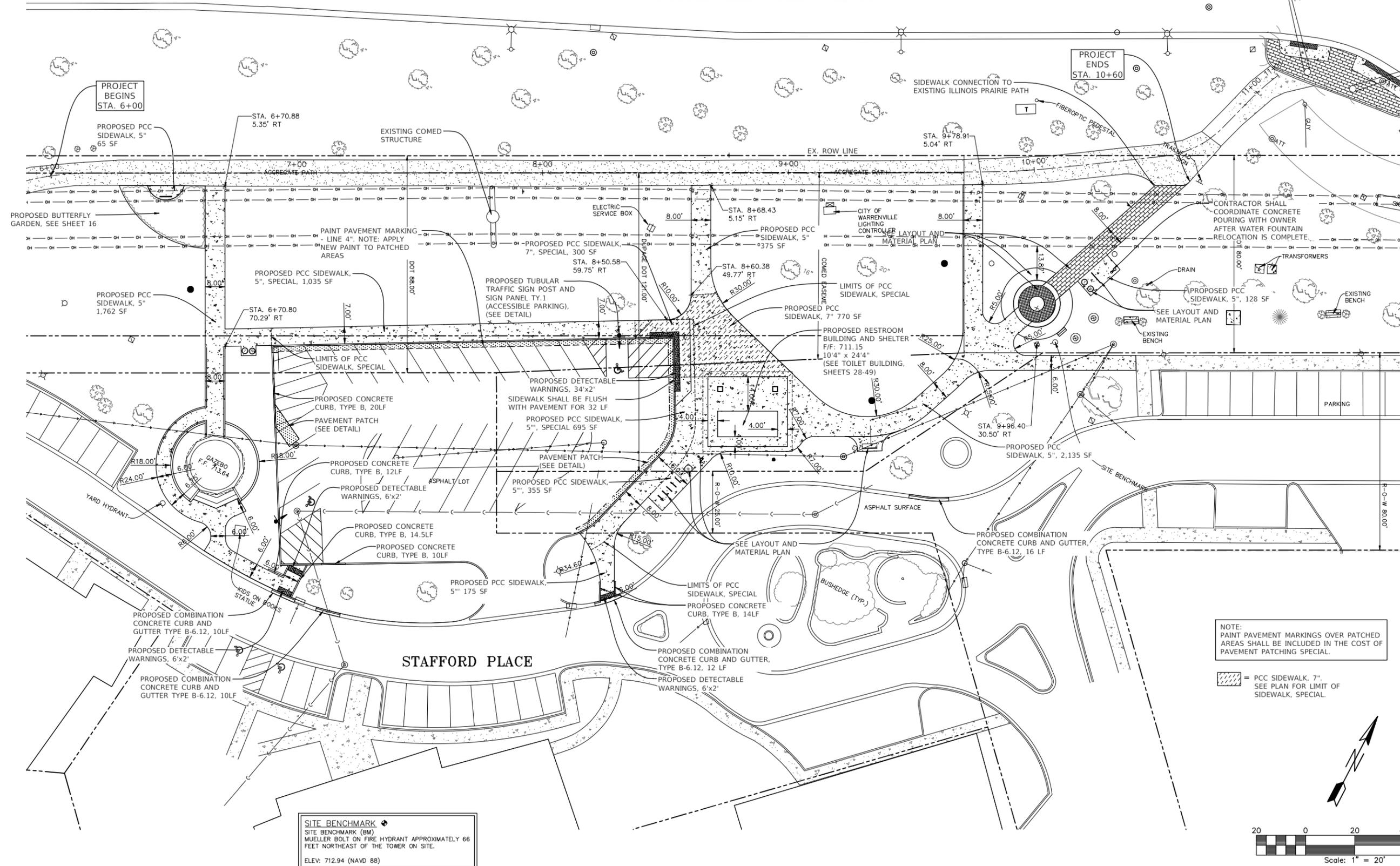
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS PLAN

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 6+00 TO STA. 10+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	10
CONTRACT NO.: 61H18				
		ILLINOIS	FED. AID PROJECT	

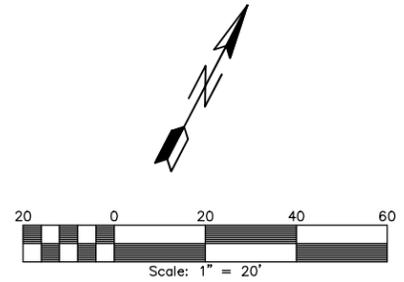
BUTTERFIELD ROAD IL 56



NOTE:
PAINT PAVEMENT MARKINGS OVER PATCHED
AREAS SHALL BE INCLUDED IN THE COST OF
PAVEMENT PATCHING SPECIAL.

= PCC SIDEWALK, 7\"/> SEE PLAN FOR LIMIT OF
SIDEWALK, SPECIAL.

SITE BENCHMARK
SITE BENCHMARK (BM)
MUELLER BOLT ON FIRE HYDRANT APPROXIMATELY 66
FEET NORTHEAST OF THE TOWER ON SITE.
ELEV: 712.94 (NAVD 88)



FILE NAME: H:\Warrenville\190706 Ph 1 Trailhead Impr\190706.P2
IPP Trailhead Improvements\CADD\190706_SIP_Proposed_5.dwg



USER NAME = azellinski	DESIGNED - A.Z.	REVISED -
PLOT SCALE = SSCALES	DRAWN - A.J.	REVISED -
PLOT DATE = 2/10/2022	CHECKED - J.M.	REVISED -
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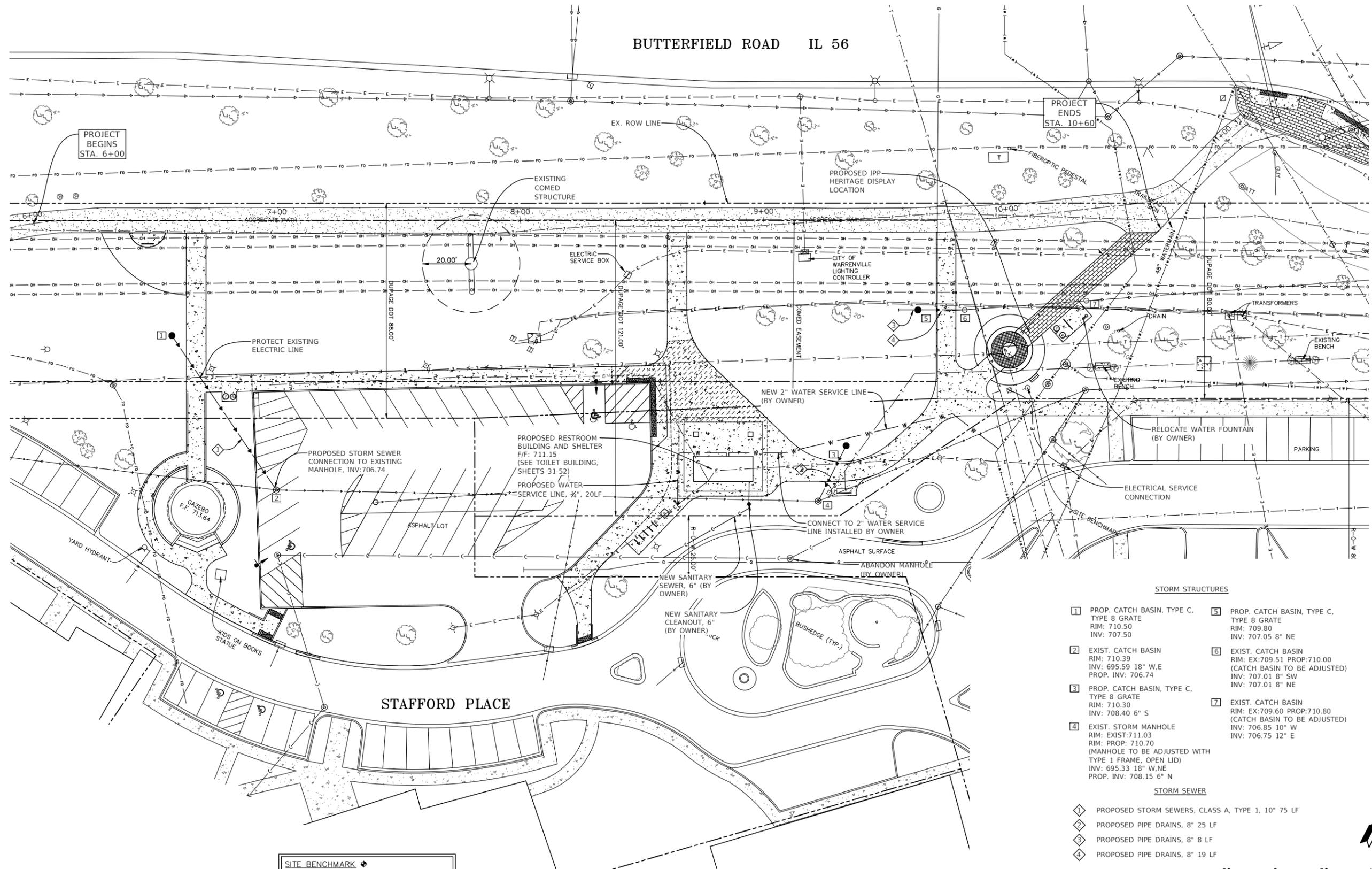
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GEOMETRY PLAN

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 6+00 TO STA. 10+60

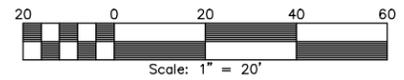
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	12
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

BUTTERFIELD ROAD IL 56



SITE BENCHMARK \blacklozenge
 SITE BENCHMARK (BM)
 MUELLER BOLT ON FIRE HYDRANT APPROXIMATELY 66
 FEET NORTHEAST OF THE TOWER ON SITE.
 ELEV: 712.94 (NAVD 88)

- STORM STRUCTURES**
- 1 PROP. CATCH BASIN, TYPE C, TYPE 8 GRATE
RIM: 710.50
INV: 707.50
 - 2 EXIST. CATCH BASIN
RIM: 710.39
INV: 695.59 18" W/E
PROP. INV: 706.74
 - 3 PROP. CATCH BASIN, TYPE C, TYPE 8 GRATE
RIM: 710.30
INV: 708.40 6" S
 - 4 EXIST. STORM MANHOLE
RIM: EXIST: 711.03
RIM: PROP: 710.70
(MANHOLE TO BE ADJUSTED WITH TYPE 1 FRAME, OPEN LID)
INV: 695.33 18" W, NE
PROP. INV: 708.15 6" N
 - 5 PROP. CATCH BASIN, TYPE C, TYPE 8 GRATE
RIM: 709.80
INV: 707.05 8" NE
 - 6 EXIST. CATCH BASIN
RIM: EX: 709.51 PROP: 710.00
(CATCH BASIN TO BE ADJUSTED)
INV: 707.01 8" SW
INV: 707.01 8" NE
 - 7 EXIST. CATCH BASIN
RIM: EX: 709.60 PROP: 710.80
(CATCH BASIN TO BE ADJUSTED)
INV: 706.85 10" W
INV: 706.75 12" E
- STORM SEWER**
- 1 PROPOSED STORM SEWERS, CLASS A, TYPE 1, 10" 75 LF
 - 2 PROPOSED PIPE DRAINS, 8" 25 LF
 - 3 PROPOSED PIPE DRAINS, 8" 8 LF
 - 4 PROPOSED PIPE DRAINS, 8" 19 LF



NOTE: CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATION FOR EXISTING UTILITIES AS DIRECTED BY THE ENGINEER.

FILE NAME: H:\Warrenville\190706 Ph 1 Trailhead Impr\190706.P2
 IPP Trailhead Improvements\CADD\190706_SIP_Proposed_5.dwg



USER NAME = azellinski
 PLOT SCALE = SSCALE5
 PLOT DATE = 2/10/2022

DESIGNED - A.Z.
 DRAWN - A.J.
 CHECKED - J.M.
 DATE - 12/13/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

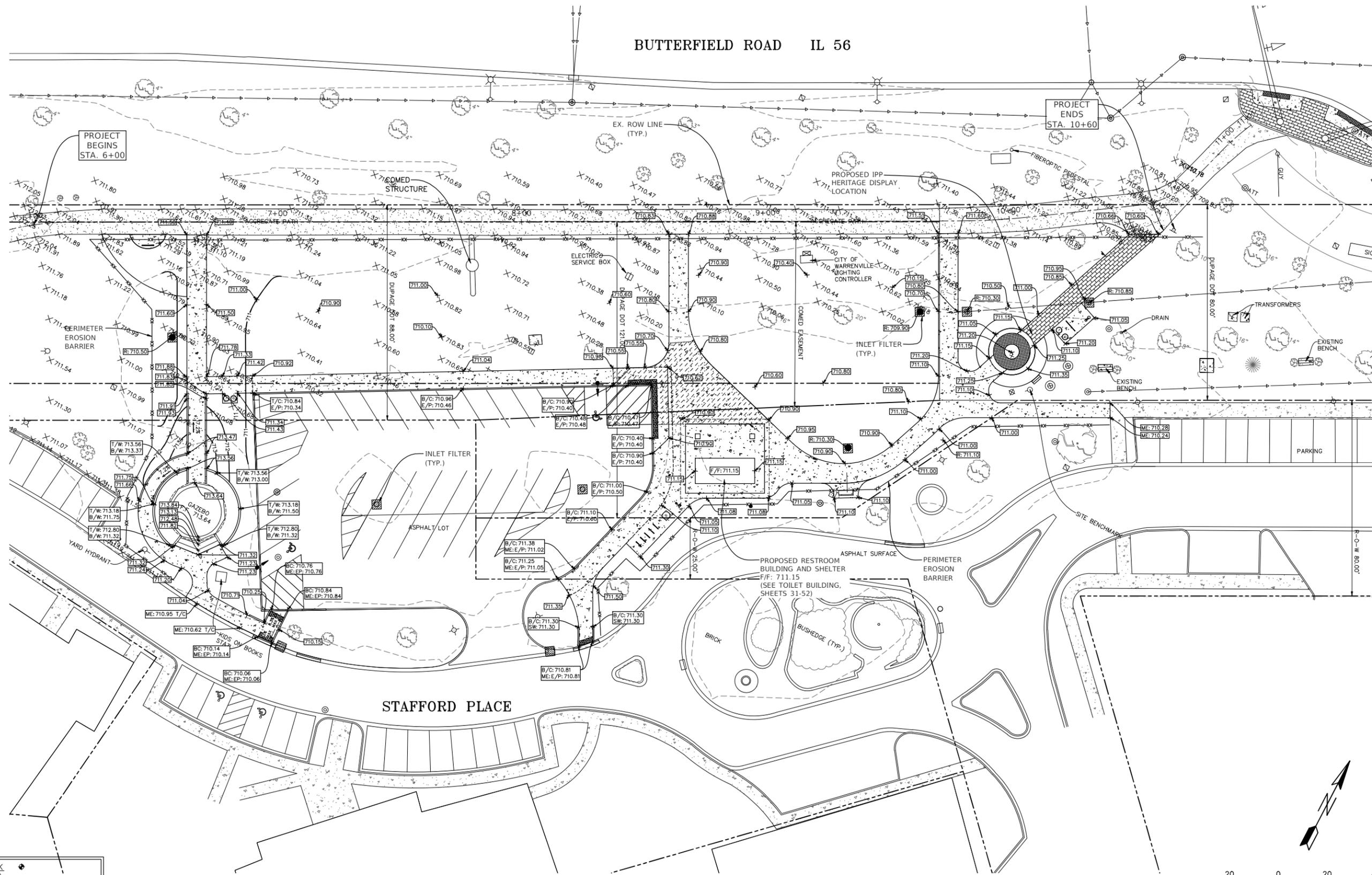
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

UTILITY PLAN

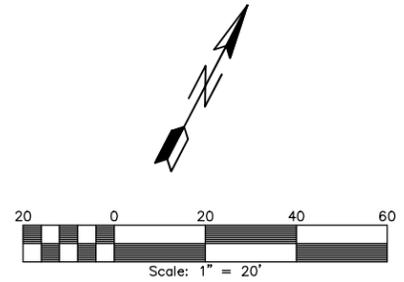
SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 6+00 TO STA. 10+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	13
CONTRACT NO.: 61H18				
ILLINOIS		FED. AID PROJECT		

BUTTERFIELD ROAD IL 56



SITE BENCHMARK
 SITE BENCHMARK (BM)
 MUELLER BOLT ON FIRE HYDRANT APPROXIMATELY 66
 FEET NORTHEAST OF THE TOWER ON SITE.
 ELEV: 712.94 (NAVD 88)



FILE NAME: H:\Warrenville\190706 Ph 1 Trailhead Improv\190706.P2
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USER NAME = azellinski
 PLOT SCALE = SS CALES
 PLOT DATE = 2/10/2022

DESIGNED - A.Z.
 DRAWN - A.J.
 CHECKED - J.M.
 DATE - 12/13/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

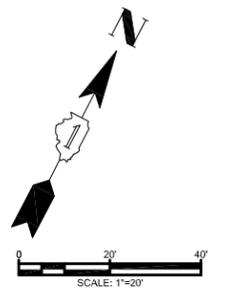
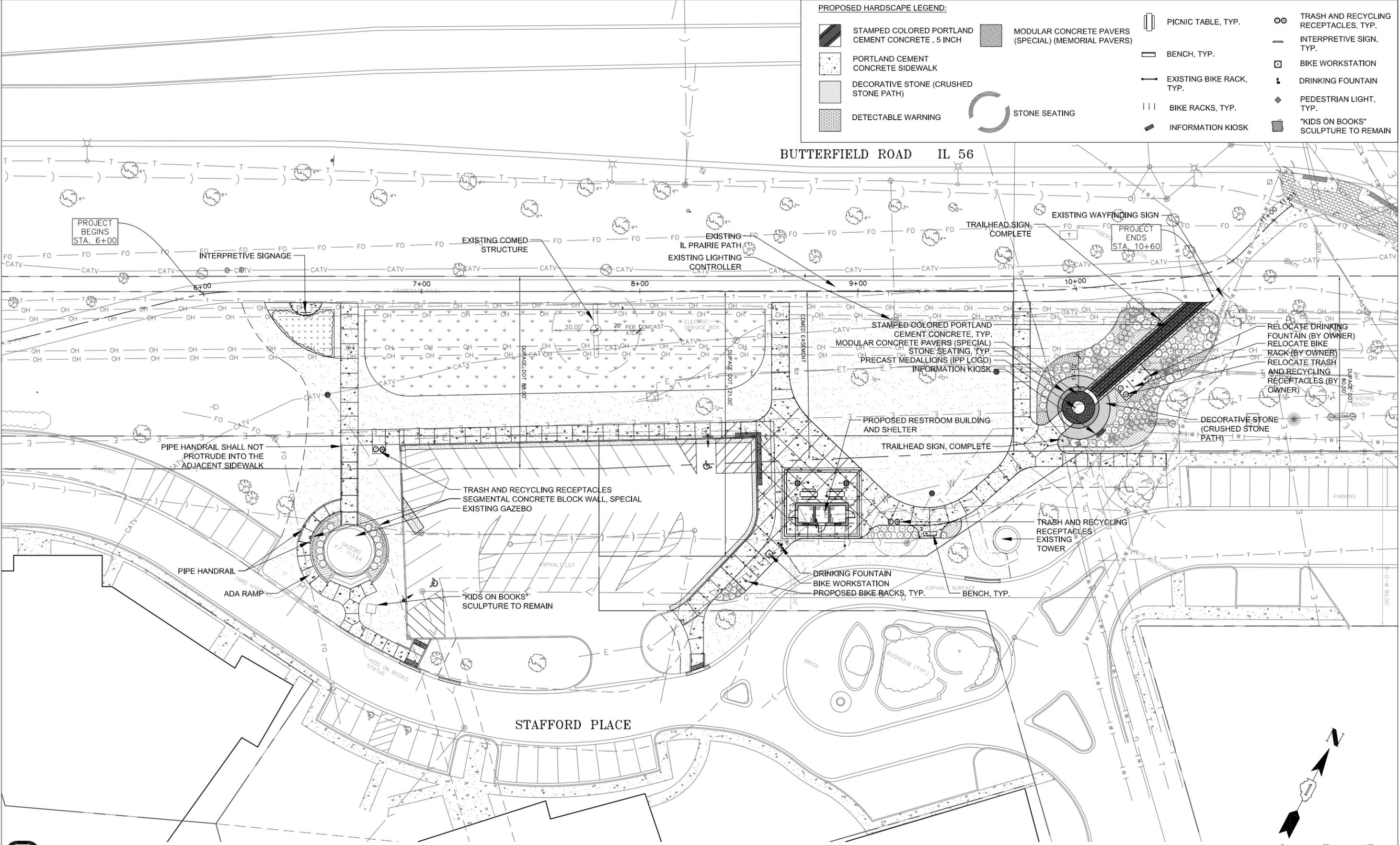
GRADING PLAN

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 6+00 TO STA. 10+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	14
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

PROPOSED HARDSCAPE LEGEND:

	STAMPED COLORED PORTLAND CEMENT CONCRETE, 5 INCH		MODULAR CONCRETE PAVERS (SPECIAL) (MEMORIAL PAVERS)		PICNIC TABLE, TYP.		TRASH AND RECYCLING RECEPTACLES, TYP.
	PORTLAND CEMENT CONCRETE SIDEWALK		DECORATIVE STONE (CRUSHED STONE PATH)		BENCH, TYP.		INTERPRETIVE SIGN, TYP.
	DETECTABLE WARNING		STONE SEATING		EXISTING BIKE RACK, TYP.		BIKE WORKSTATION
	INFORMATION KIOSK		BIKE RACKS, TYP.		DRINKING FOUNTAIN, TYP.		PEDESTRIAN LIGHT, TYP.
			"KIDS ON BOOKS" SCULPTURE TO REMAIN				



FILE NAME: I:\Projects\Alpha\Engineering_Resource Associates\Warrenville_Traillhead\03_Graphics\02_DD-DD-01-LAYOUT and Materials_Plan.dwg

ENGINEERING RESOURCE ASSOCIATES

HITCHCOCK DESIGN GROUP
creating better places

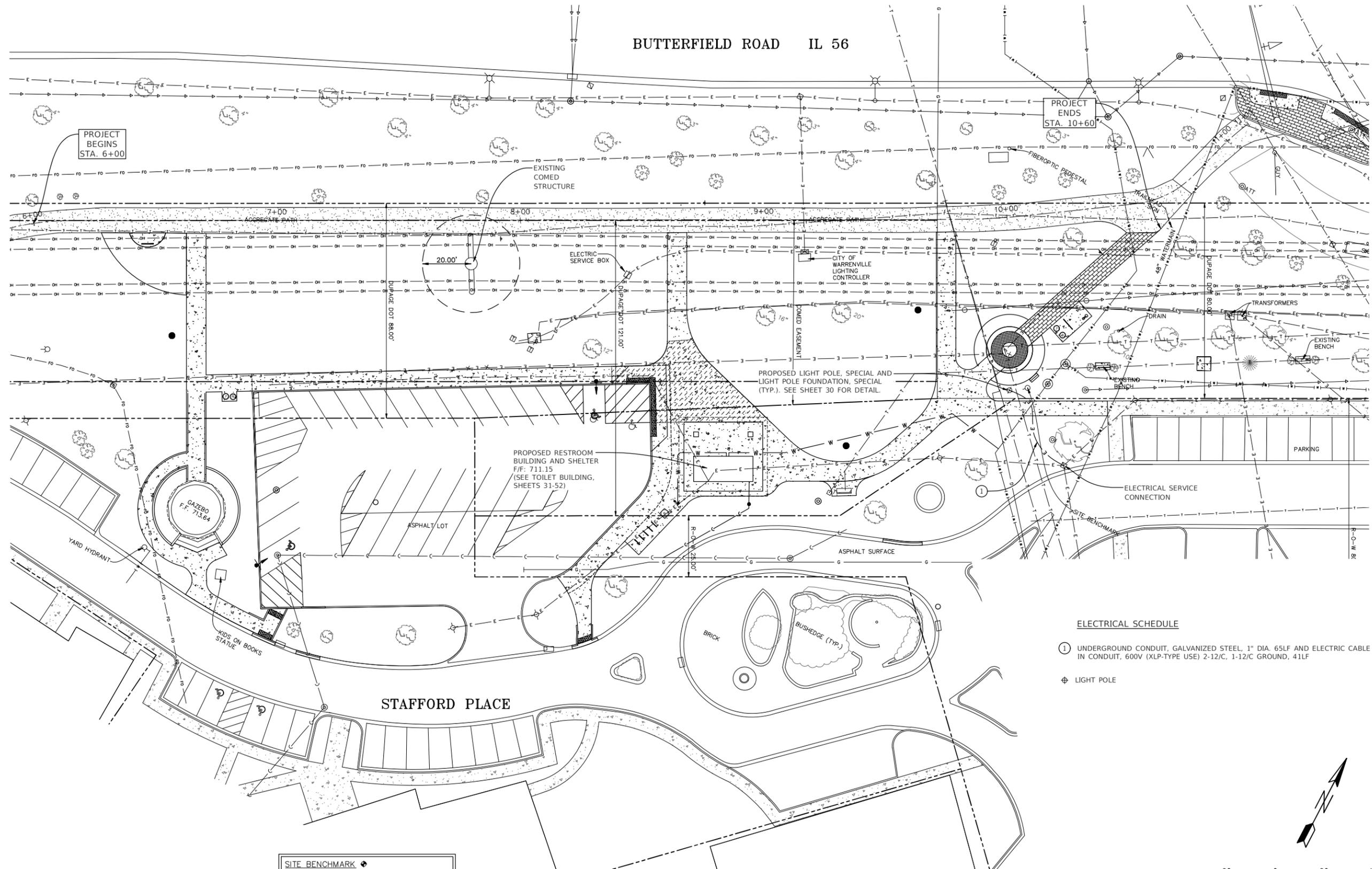
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PLOT SCALE =	DRAWN - MPW	REVISED -
PLOT DATE = 1/14/22	CHECKED - TCK	REVISED -
	DATE - JANUARY 2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAYOUT AND MATERIAL PLAN
SCALE: 1"=20'
SHEET NO. 1 OF 1 SHEETS
STA. 427+50 TO STA. 429+50

F.A.P. RTE. 365	SECTION 19-00039-BT	COUNTY DUPAGE	TOTAL SHEETS 49	SHEET NO. 15
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				

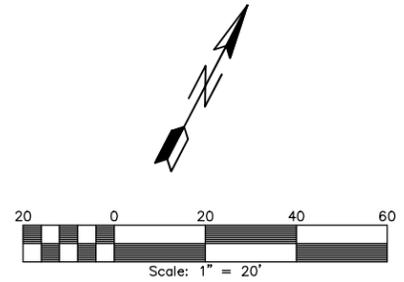
BUTTERFIELD ROAD IL 56



ELECTRICAL SCHEDULE

- ① UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA. 65LF AND ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-12/C, 1-12/C GROUND, 41LF
- ⊕ LIGHT POLE

SITE BENCHMARK ⊕
 SITE BENCHMARK (BM)
 MUELLER BOLT ON FIRE HYDRANT APPROXIMATELY 66
 FEET NORTHEAST OF THE TOWER ON SITE.
 ELEV: 712.94 (NAVD 88)



FILE NAME: H:\Warrenville\190706 Ph 1 Trailhead Impr\190706.P2
 I:\Trailhead Improvements\CADD\190706 STP Proposed 5.dwg



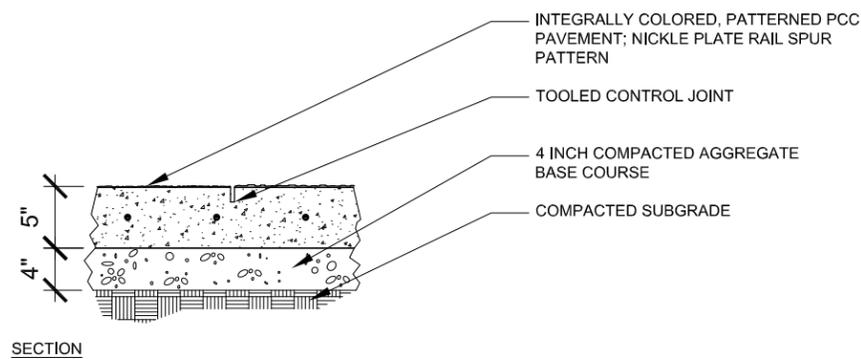
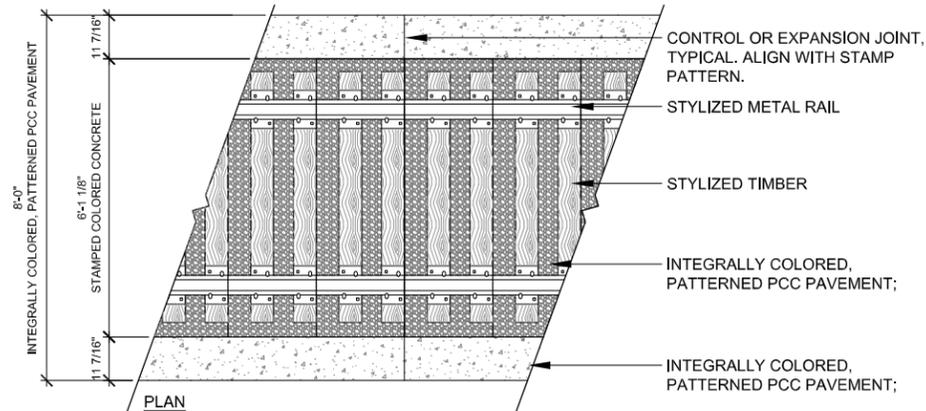
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PLOT SCALE = SSCALE5	DRAWN - A.J.	REVISED -
PLOT DATE = 2/10/2022	CHECKED - J.M.	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

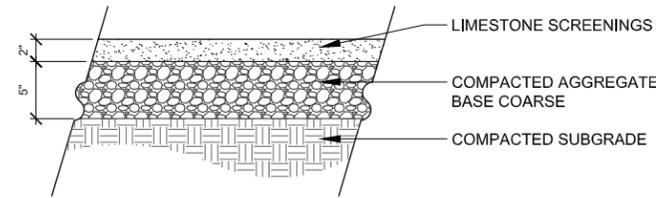
SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 6+00 TO STA. 10+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	17
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				



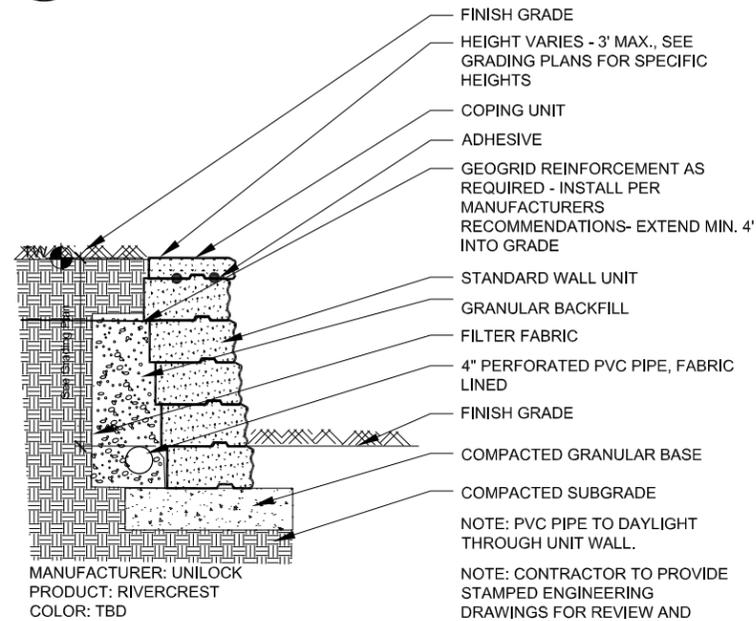
1 STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH

SCALE: NTS



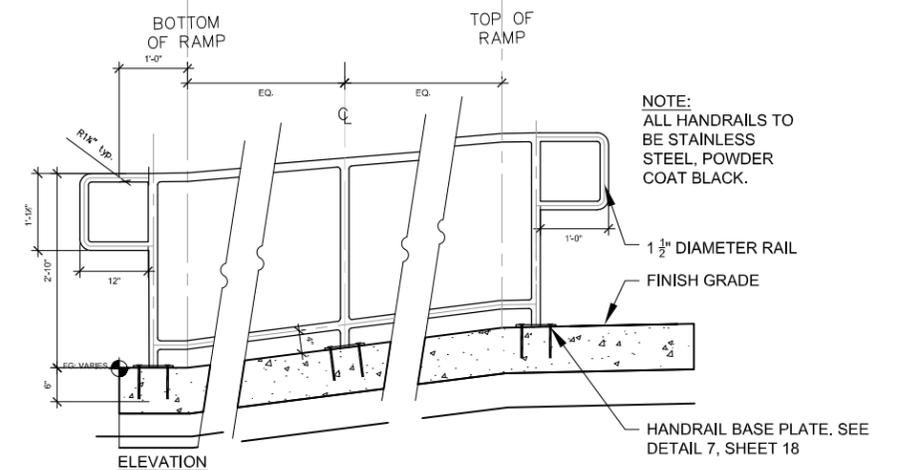
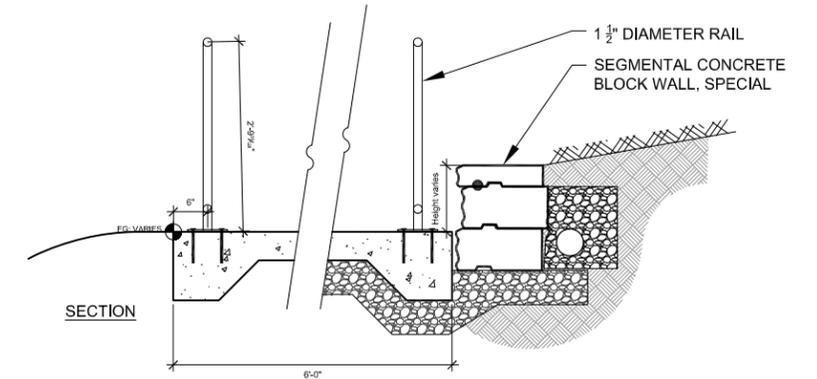
3 DECORATIVE STONE (CRUSHED STONE PATH)

SCALE: 1 1/2" = 1'-0"



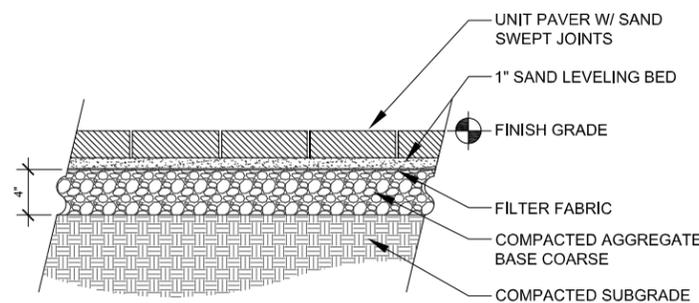
4 SEGMENTAL CONCRETE BLOCK WALL, SPECIAL

SCALE: 3/4" = 1'-0"



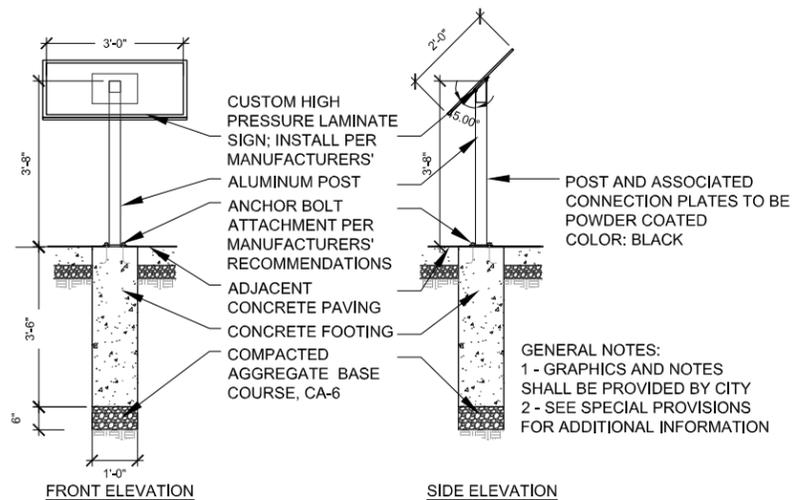
6 PIPE HANDRAIL

SCALE: 3/4" = 1'-0"



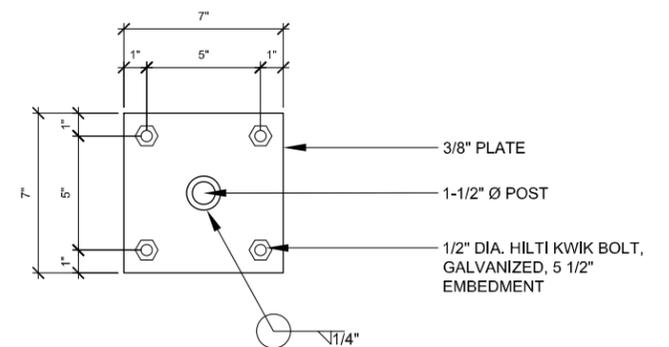
2 MODULAR CONCRETE PAVERS (SPECIAL) (MEMORIAL PAVERS)

SCALE: 1 1/2" = 1'-0"



5 INTERPRETIVE SIGNAGE, COMPLETE

Scale: 1/2" = 1'-0"



7 HANDRAIL BASE PLATE

Scale: 3" = 1'-0"

FILE NAME: J:\Projects\Alpha Engineering Resource Associates\Warrenville Trailhead\09 Graphics\02 DD-CD-03-Details.dwg



USER NAME = Mike Wood	DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISIONS -	
CHECKED - TCK	REVISIONS -	
DATE - JANUARY 2022	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

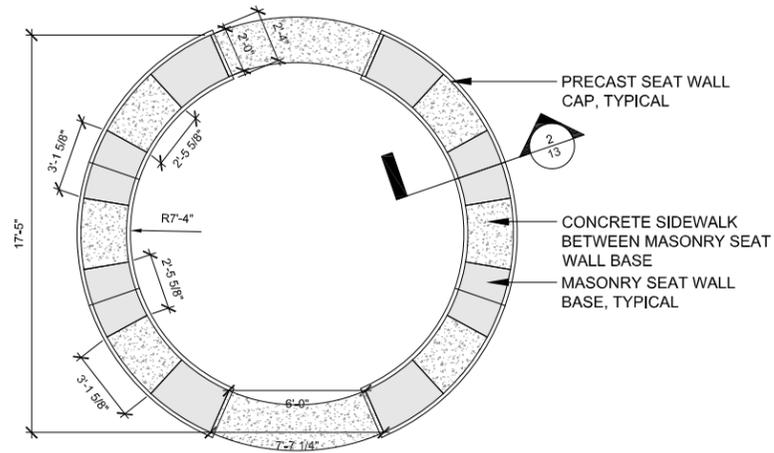
CONSTRUCTION DETAILS

SCALE: AS NOTED

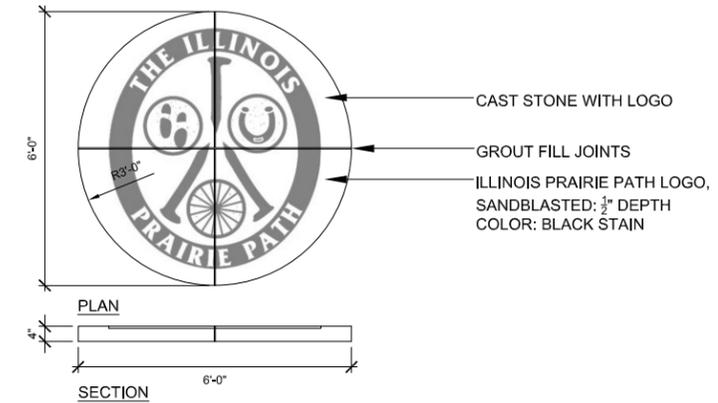
SHEET NO. 1 OF 7 SHEETS

STA. 427+50 TO STA. 429+50

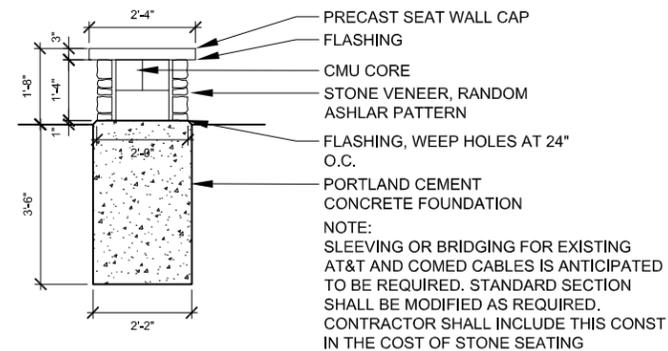
F.A.P. RTE. 365	SECTION 19-00039-BT	COUNTY DUPAGE	TOTAL SHEETS 49	SHEET NO. 18
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				



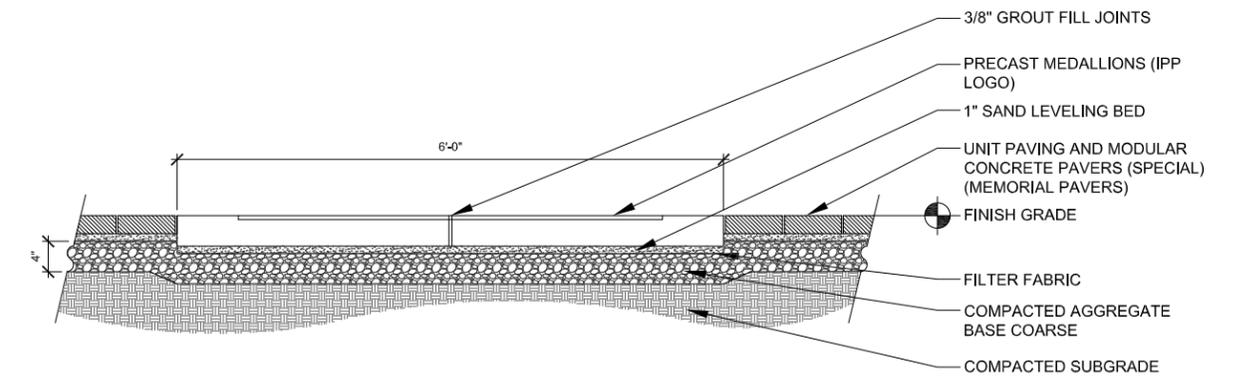
1 STONE SEATING (COUNCIL RING)
SCALE: 1/4" = 1'-0"



3 PRECAST MEDALLIONS (IPP LOGO)
SCALE: 1/2" = 1'-0"



2 MASONRY SEAT WALL BASE
SCALE: 1/2" = 1'-0"



4 PRECAST MEDALLIONS (IPP LOGO) - SECTION
SCALE: 1/2" = 1'-0"

FILE NAME: J:\Projects\Alpha\Engineering Resource Associates\Warrenville Trailhead\09 Graphics\02 DD-CD-03-Details.dwg



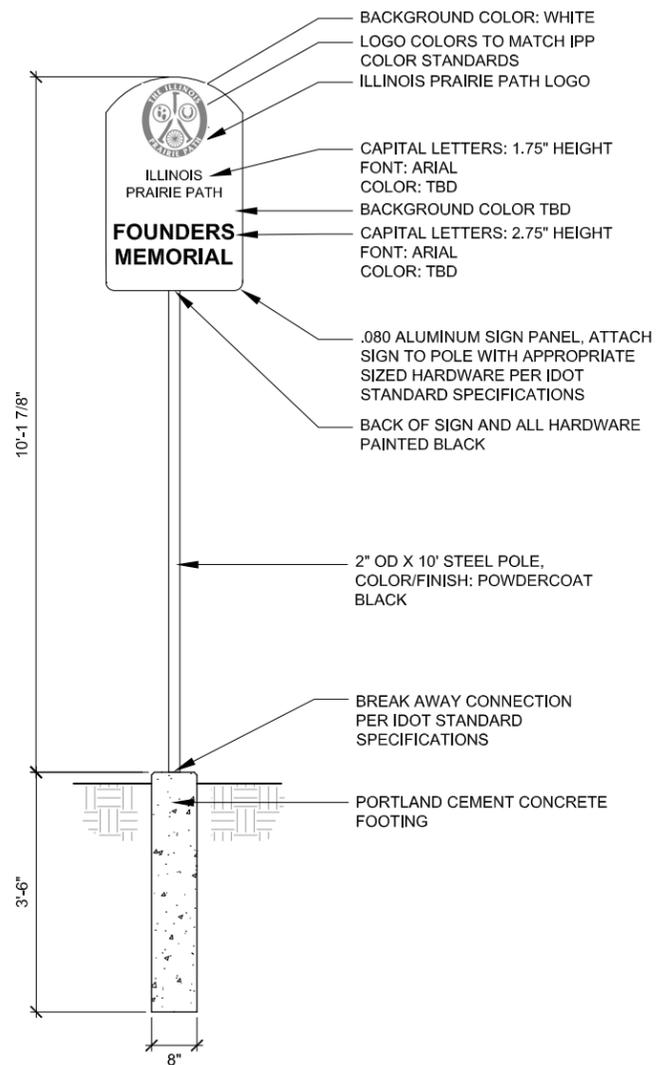
USER NAME = Mike Wood	DESIGNED - TCK	REVISED -
	DRAWN - MPW	REVISED -
PLOT SCALE =	CHECKED - TCK	REVISED -
PLOT DATE = 1/14/22	DATE - JANUARY 2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

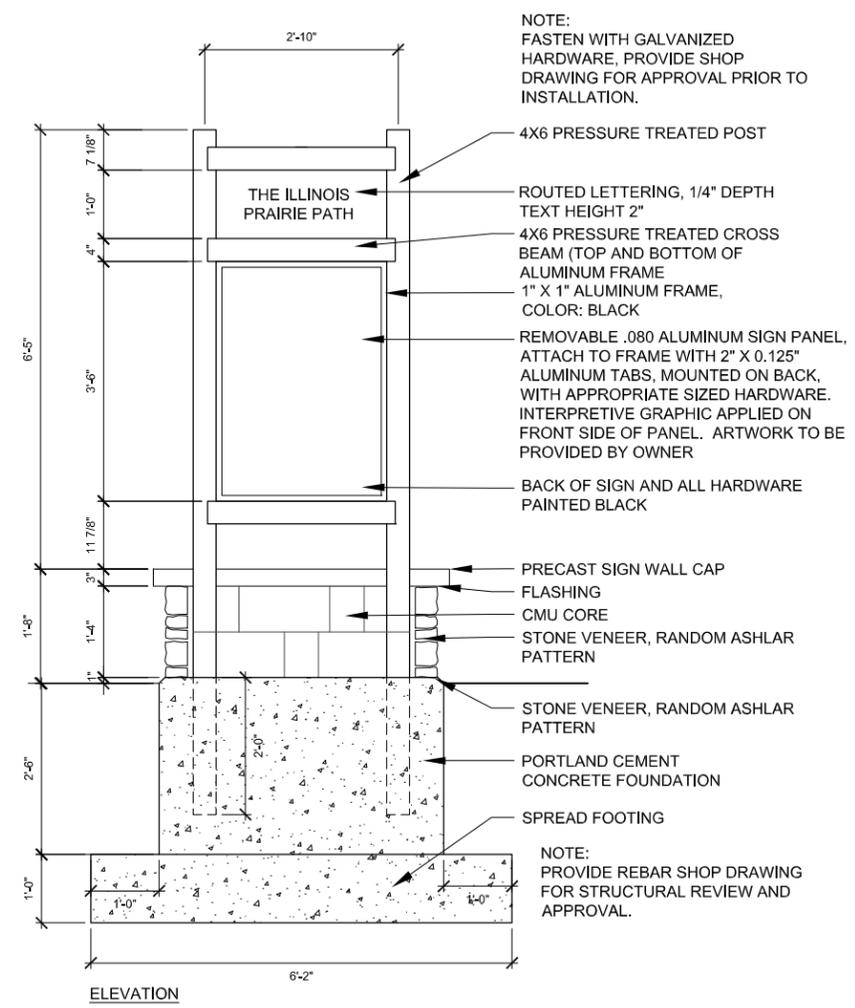
CONSTRUCTION DETAILS

SCALE: AS NOTED SHEET NO. 2 OF 7 SHEETS STA. 427+50 TO STA. 429+50

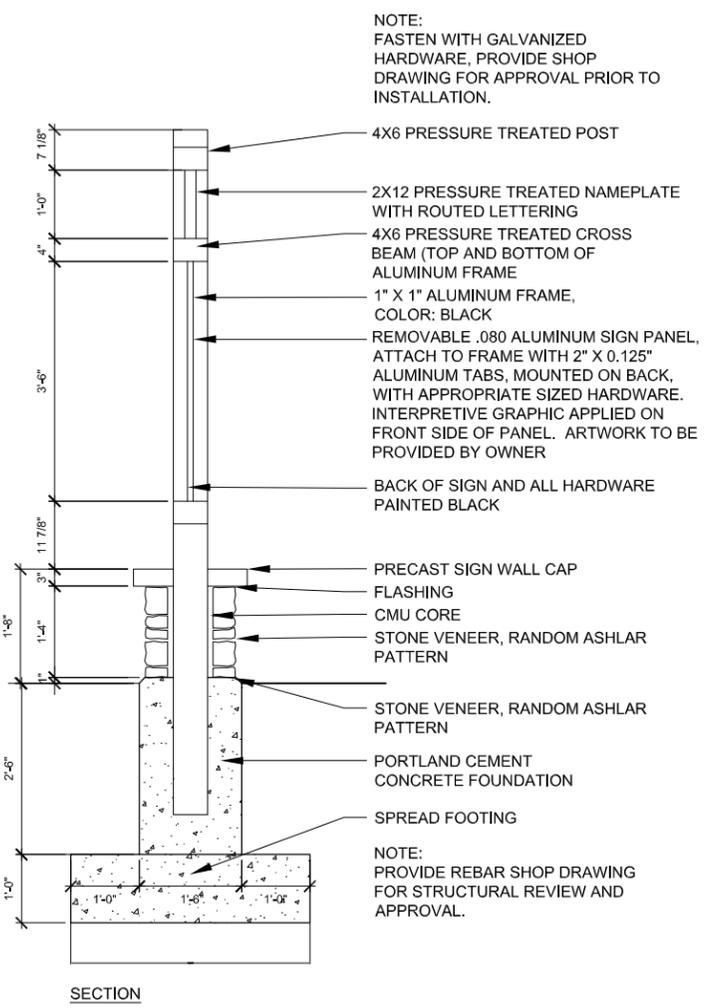
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-BT	DUPAGE	49	19
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				



1 TRAIL HEAD SIGN, COMPLETE
Scale: 3/4" = 1'-0"



2 INFORMATION KIOSK
SCALE: 1/2" = 1'-0"



SECTION

FILE NAME: J:\Projects\Alpha\Engineering Resource Associates\Warrenville Trailhead\09 Graphics\02 DD-CD-03-Details.dwg



USER NAME = Mike Wood	DESIGNED - TCK	REVISED -
PLOT SCALE =	DRAWN - MPW	REVISED -
PLOT DATE = 1/14/22	CHECKED - TCK	REVISED -
	DATE - JANUARY 2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

SCALE: AS NOTED SHEET NO. 3 OF 7 SHEETS STA. 427+50 TO STA. 429+50

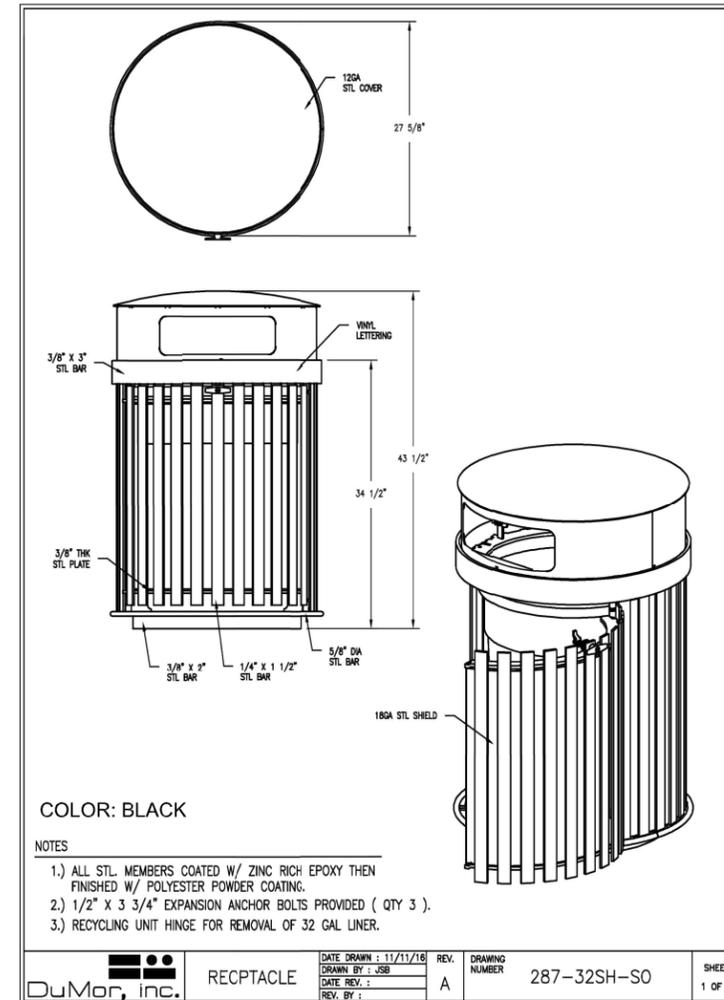
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-BT	DUPAGE	49	20
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				



Description: Solar Charging Bench
Manufacturer: Superior Amenities
 1050 Columbia Drive
 Carrollton, GA 30117
 866-268-1701
<https://webcoat.com>

Item: SolarChargeBench
Size: 6' length, surface mount
Frame Style: Casino Collection, horizontal strap metal design
Material: 1.5" square powder coated legs and arms, textured polyethylene seat and back
Color: Black
Components: Solar panel attached to back with 2 dual 2.0 rapid-charge USB ports

1 BENCH
 SCALE: NTS



2 TRASH RECEPTACLES
 SCALE: NTS

FILE NAME: J:\Projects\Alpha\Engineering Resource Associates\Warrenville Trailhead\09 Graphics\02 DD-CD-03-03-Details.dwg



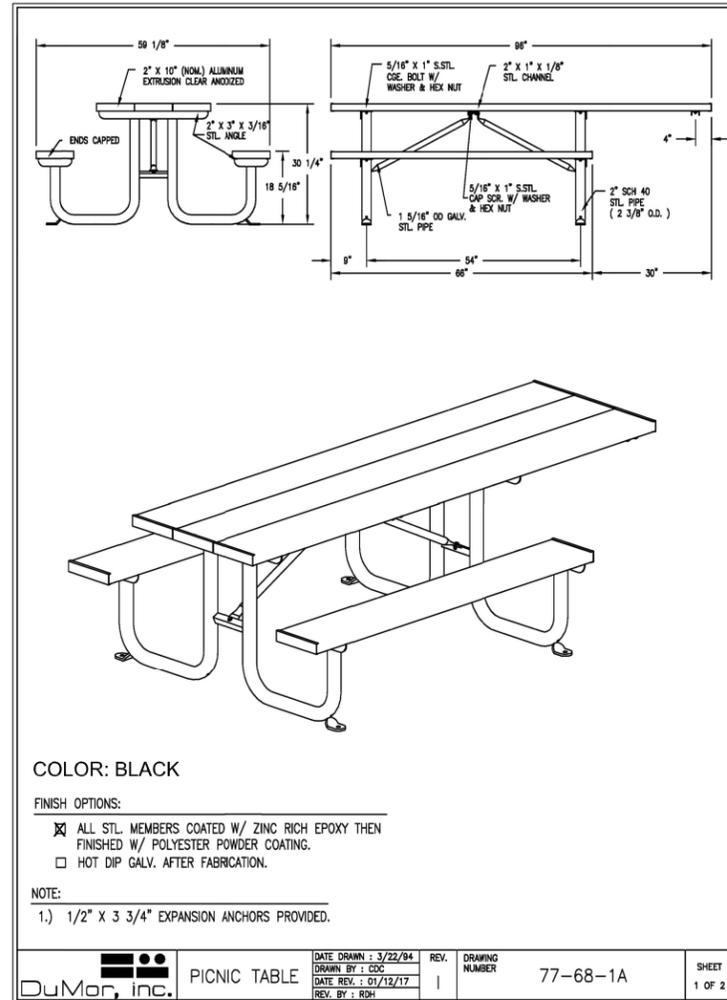
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	DRAWN - MPW	REVISED -
PLOT SCALE =	CHECKED - TCK	REVISED -
PLOT DATE = 1/14/22	DATE - JANUARY 2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: AS NOTED SHEET NO. 4 OF 7 SHEETS STA. 427+50 TO STA. 429+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-BT	DUPAGE	49	21
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				



COLOR: BLACK

FINISH OPTIONS:

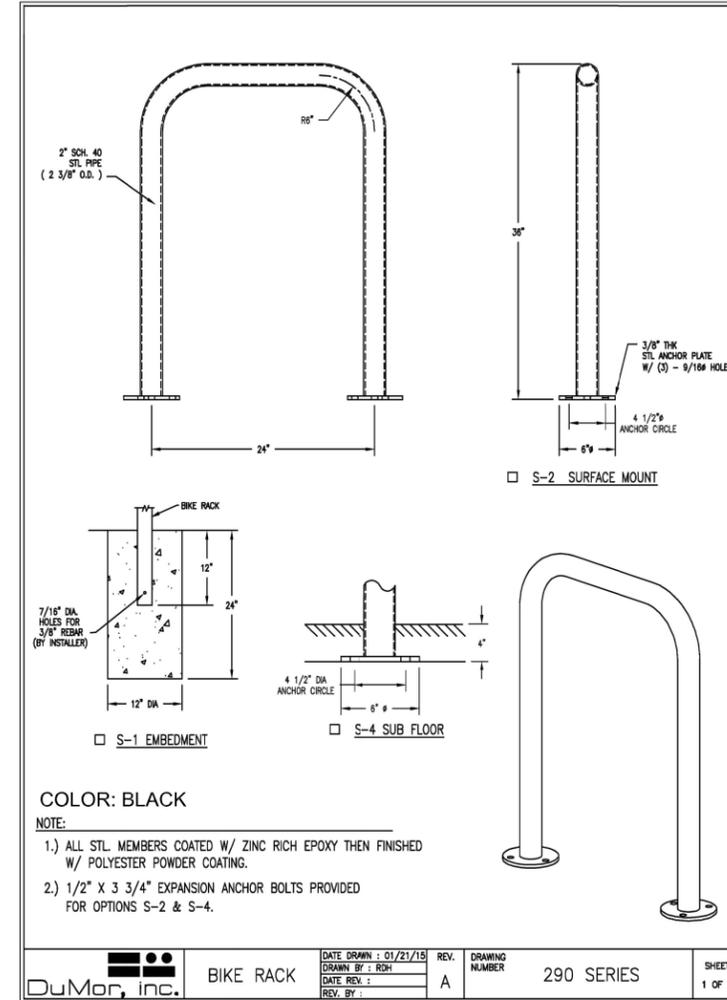
- ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
- HOT DIP GALV. AFTER FABRICATION.

NOTE:

- 1.) 1/2" X 3 3/4" EXPANSION ANCHORS PROVIDED.

	PICNIC TABLE	DATE DRAWN : 3/22/94	REV.	DRAWING NUMBER	77-68-1A	SHEET 1 OF 2
		DRAWN BY : CDC				
		DATE REV. : 01/13/17				
		REV. BY : RDH				

1 PICNIC TABLE
SCALE: NTS



COLOR: BLACK

NOTE:

- 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
- 2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 & S-4.

	BIKE RACK	DATE DRAWN : 01/21/19	REV.	DRAWING NUMBER	290 SERIES	SHEET 1 OF 2
		DRAWN BY : RDH				
		DATE REV. :				
		REV. BY :				

2 BIKE RACK
SCALE: NTS

FILE NAME: J:\Projects\Alpha\Engineering Resource Associates\Warrenville Trailhead\09 Graphics\02 DD-CD-03-Details.dwg



USER NAME = Mike Wood	DESIGNED - TCK	REVISED -
	DRAWN - MPW	REVISED -
PLOT SCALE =	CHECKED - TCK	REVISED -
PLOT DATE = 1/14/22	DATE - JANUARY 2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

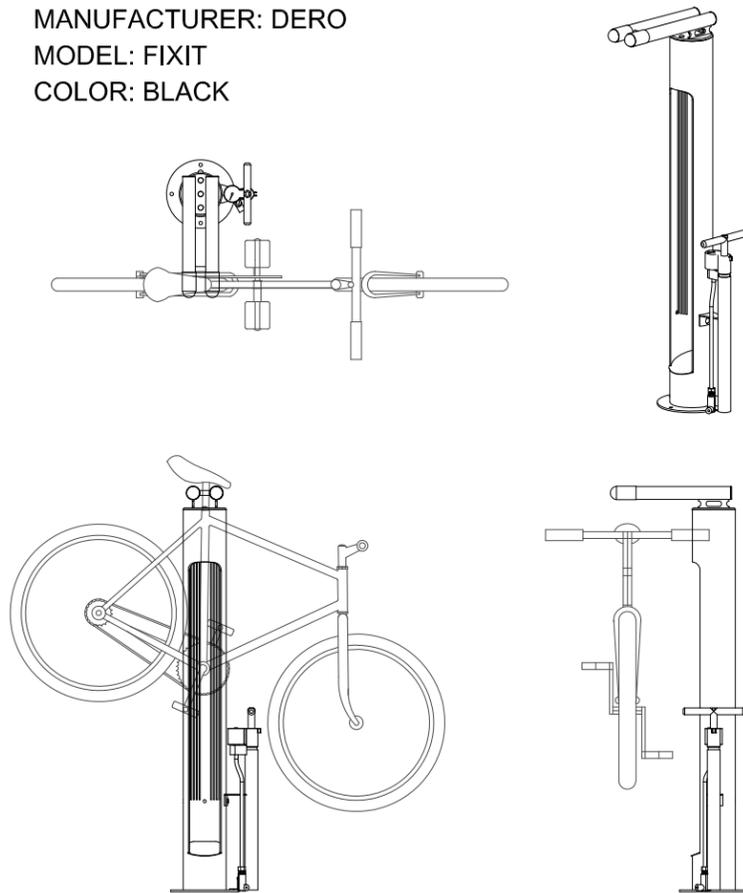
SCALE: AS NOTED

SHEET NO. 5 OF 7 SHEETS

STA. 427+50 TO STA. 429+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-BT	DUPAGE	49	22
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				

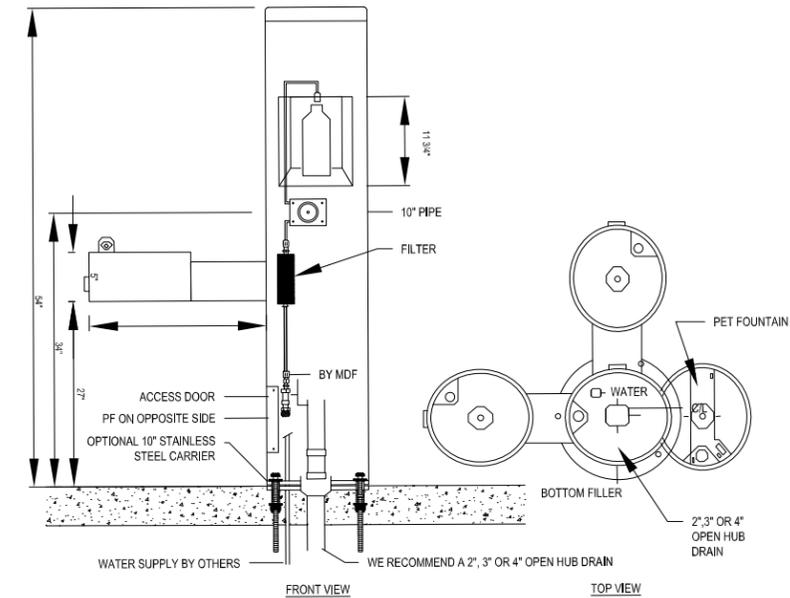
MANUFACTURER: DERO
 MODEL: FIXIT
 COLOR: BLACK



1 BICYCLE REPAIR STATION
 SCALE: NTS



MOST DEPENDABLE FOUNTAINS, INC.
 5705 COMMANDER DR. P.O. BOX 587
 ARLINGTON, TN 38002-0587
 PHONE: (901) 867-0039
 www.mostdependable.com



FRONT VIEW TOP VIEW
 COLOR: BLACK

NOTES:
 1. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 3. DO NOT SCALE DRAWING.
 4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
 5. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 6. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 3354-17.7.

MODEL 10140SM
 10140SM SHOWN WITH OPTIONAL 10" SS SURFACE CARRIER

2 DRINKING FOUNTAIN
 SCALE: NTS

FILE NAME: J:\Projects\Alpha\Engineering Resource Associates\Warrenville Trailhead\09 Graphics\02 DD-CD-03-Details.dwg



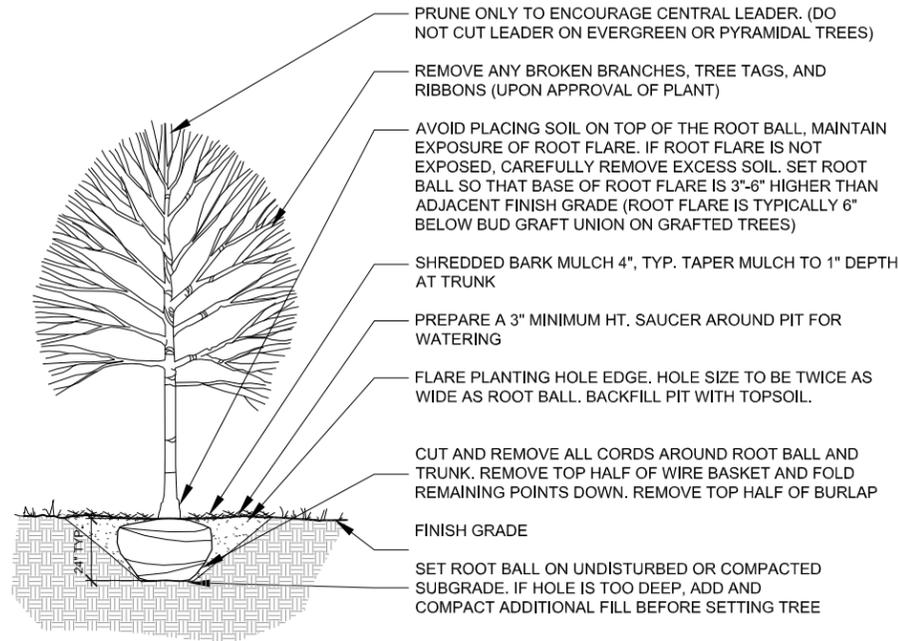
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PLOT DATE = 1/14/22	DATE - JANUARY 2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

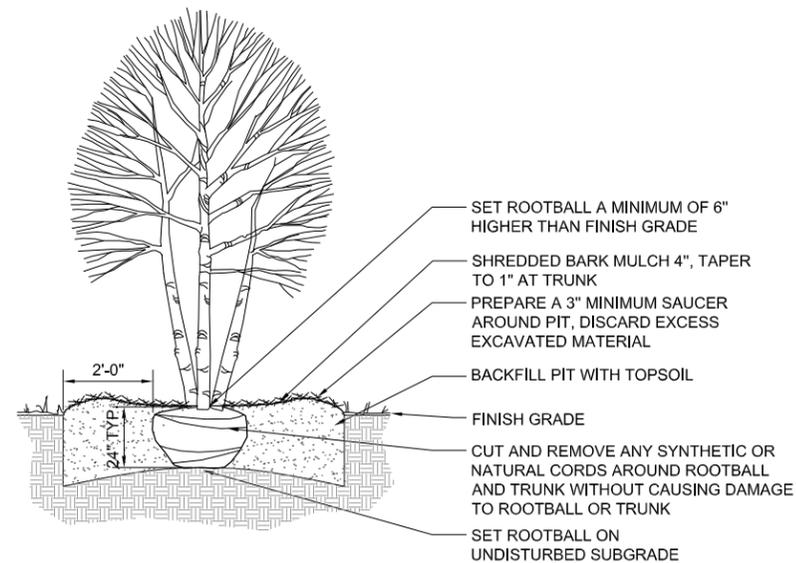
CONSTRUCTION DETAILS

SCALE: AS NOTED SHEET NO. 6 OF 7 SHEETS STA. 427+50 TO STA. 429+50

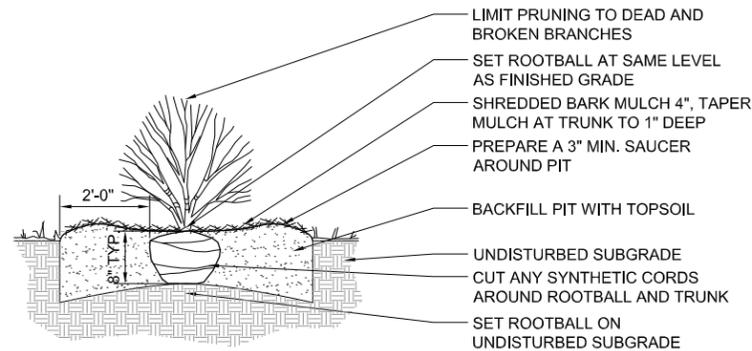
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-BT	DUPAGE	49	23
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				



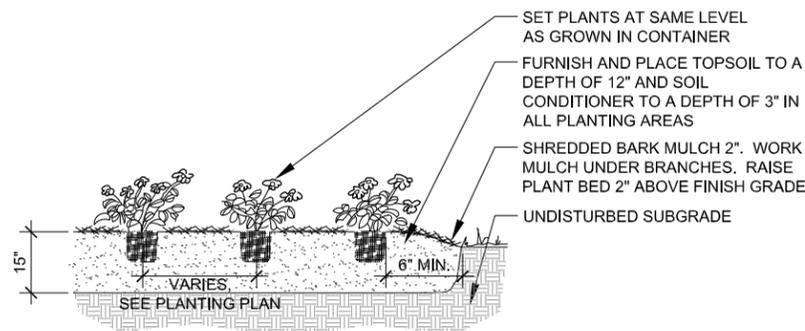
1 DECIDUOUS TREE PLANTING
SCALE: NTS



2 ORNAMENTAL TREE PLANTING
SCALE: NTS



3 SHRUB PLANTING
SCALE: NTS



4 PERENNIAL PLANTING
SCALE: NTS

PLANT MATERIAL LIST

CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	SPACING
Shade Trees					
PLB2.5	PLATANUS X ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	2 1/2" C	1	
Deciduous Shrubs					
ARM24	ARONIA MELANOCARPA 'AUTUMN MAGIC'	AUTUMN MAGIC BLACK CHOKEBERRY	24" HT	25	
DLO24	DIERVILLA LONICERA	DWARF BUSH-HONEYSUCKLE	24" HT	30	
PDM30	PHYSOCARPUS OPULIFOLIUS 'DONNA MAY'	LITTLE DEVIL EASTERN NINEBARK	30" HT	19	
SBT24	SPIRAEA BETULIFOLIA 'TOR'	TOR BIRCHLEAF SPIREA	24" HT	21	
Evergreen Shrubs					
JCK24	JUNIPERUS CHINENSIS 'KALLAY COMPACT'	KALLAY COMPACT CHINESE JUNIPER	24" HT	21	
Perennials					
AMW6	ACHILLEA MILLEFOLIUM 'WALTER FUNCKE'	WALTER FUNCKE YARROW	1 GAL	14	18" O.C.
ABF6	AGASTACHE X 'BLUE FORTUNE'	BLUE FORTUNE HYSSOP	1 GAL	14	18" O.C.
ATS6	ALLIUM TANGUTICUM 'SUMMER BEAUTY'	SUMMER BEAUTY ORNAMENTAL CHIVE	1 GAL	93	18" O.C.
AHK6	AMSONIA HUBRICHII 'HALFWAY TO ARKANSAS'	HALFWAY TO ARKANSAS' NARROW LEAF BLUE STAR	1 GAL	9	24" O.C.
AIN6	ASCLEPIAS INCARNATA	SWAMP MILKWEED	1 GAL	14	18" O.C.
ASY6	ASCIPIAS SYRIACA	COMMON MILKWEED	1 GAL	14	18" O.C.
BAU6	BAPTISIA AUSTRALIS	BLUE WILD INDIGO	1 GAL	14	18" O.C.
CAK6	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL	66	24" O.C.
ECP6	ECHINACEA PALLIDA	PALE PURPLE CONEFLOWER	1 GAL	14	18" O.C.
EPU6	ECHINACEA PURPUREA	PURPLE CONEFLOWER	1 GAL	14	18" O.C.
EPW6	ECHINACEA PURPUREA 'ALBA'	WHITE CONEFLOWER	1 GAL	14	18" O.C.
EPM6	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS PURPLE CONEFLOWER	1 GAL	18	18" O.C.
LSK6	LIATRIS SPICATA 'KOBOLD'	KOBOLD MARSH BLAZINGSTAR	1 GAL	14	18" O.C.
NFK6	NEPETA X FAASSENII 'KIT KAT'	KIT KAT CATMINT	1 GAL	24	18" O.C.
RSV6	RUDEBECKIA FULGIDA VAR. SPECIOSA 'VIETTE'S LITTLE SUZY'	VIETTE'S LITTLE SUZY BLACK-EYED SUSAN	1 GAL	31	18" O.C.
RUH6	RUDEBECKIA HIRTA	BROWN-EYED SUSAN	1 GAL	14	18" O.C.
SNW6	SALVIA MEMOROSA 'WESUWE'	WESUWE SALVIA	1 GAL	83	18" O.C.
SSA6	SCHIZACHRYIUM SCOPARIUM 'CAROUSEL'	CAROUSEL LITTLE BLUESTEM	1 GAL	11	24" O.C.
SOF6	SOLIDAGO RUGOSA 'FIREWORKS'	FIREWORKS GOLDENROD	1 GAL	14	18" O.C.
SHE6	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSSEED	1 GAL	58	24" O.C.
SND6	SYMPHYOTRICHUM (ASTER) NOVAE-ANGLIAE 'PURPLE DOME'	PURPLE DOME NEW ENGLAND ASTER	1 GAL	14	18" O.C.
SOT6	SYMPHYOTRICHUM (ASTER) OBLONGIFOLIUM 'OCTOBER SKIES'	OCTOBER SKIES AROMATIC ASTER	1 GAL	22	24" O.C.
ZIZ6	ZIZEA AUREA	GOLDEN ALEXANDER	1 GAL	14	18" O.C.

ALL PERENNIALS TO BE PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS)

TOTAL PERENNIALS: 597
TOTAL UNITS: 5.97

PLANTING NOTES

- SEED TO LIMITS OF DISTURBANCE FOR RESTORATION ONLY. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISRUPTION OUTSIDE OF DESIGNATED CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL IN ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE PROTECTED WITHIN 24 HOURS. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.
- PLACE TOPSOIL TO A DEPTH OF 4 INCHES FOR ALL SEED AREAS. PLACE TOPSOIL TO A DEPTH OF 12 INCHES AND SOIL CONDITIONER TO A DEPTH OF 3" FOR ALL PLANTING BED AND BUTTERFLY GARDEN AREAS.
- PERENNIAL MIXES IN PLANTING BEDS AND BUTTERFLY GARDEN TO BE INSTALLED IN GROUPINGS OF 3, 5, OR 7 AND TO BE SPREAD EVENLY BUT RANDOMLY THROUGHOUT THE PLANTING AREA, SEE PLANT MATERIAL LIST FOR SPACING.
- PROVIDE EROSION CONTROL BLANKET FOR ALL SEEDING CLASS 2A AREAS. PROVIDE MULCH METHOD 2 FOR ALL SEEDING CLASS 4A (MODIFIED) AND SEEDING CLASS 5 (MODIFIED) AREAS.
- REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES.

FILE NAME: \\Projects\Alpha\Engineering Resource Associates\Warrenville\Trailhead\09_Graphics\02_DD-CD_03-Details.dwg



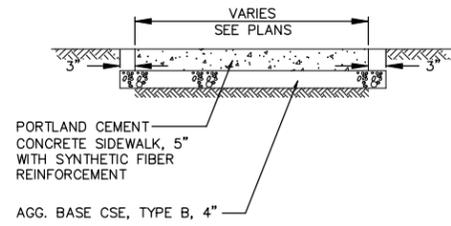
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	DRAWN - MPW	REVISED -
PLOT SCALE =	CHECKED - TCK	REVISED -
PLOT DATE = 1/14/22	DATE - JANUARY 2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

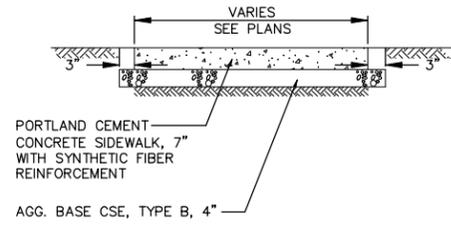
CONSTRUCTION DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-BT	DUPAGE	48	24
CONTRACT NO. : 61H18				
ILLINOIS FED. AID PROJECT				

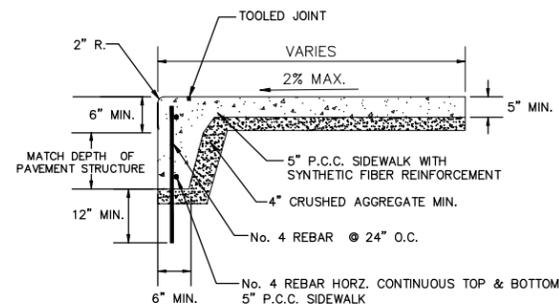
SCALE: AS NOTED SHEET NO. 7 OF 7 SHEETS STA. 427+50 TO STA. 429+50



P.C.C. SIDEWALK, 5" DETAIL
NOT TO SCALE

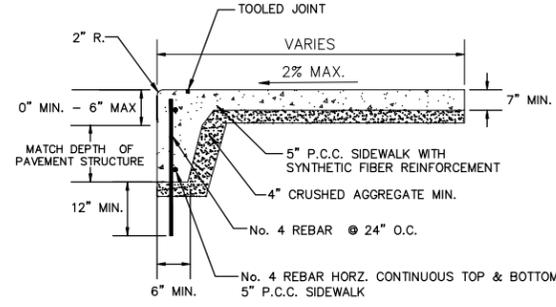


P.C.C. SIDEWALK, 7" DETAIL
NOT TO SCALE



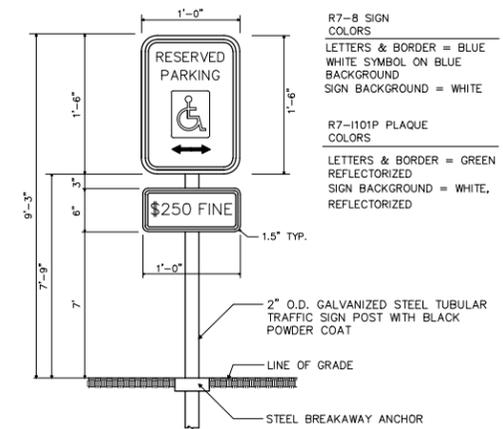
- NOTES:
1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT (UNLESS OTHERWISE NOTED)
 2. MAXIMUM SIDEWALK EXPANSION JOINT SPACING IS 40- FEET.

P.C.C. SIDEWALK, 5" , SPECIAL DETAIL
NOT TO SCALE



- NOTES:
1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT (UNLESS OTHERWISE NOTED)
 2. MAXIMUM SIDEWALK EXPANSION JOINT SPACING IS 40- FEET.

P.C.C. SIDEWALK, 7" , SPECIAL DETAIL
NOT TO SCALE



- R7-8 SIGN COLORS
LETTERS & BORDER = BLUE
WHITE SYMBOL ON BLUE
BACKGROUND
SIGN BACKGROUND = WHITE
- R7-1101P PLAQUE COLORS
LETTERS & BORDER = GREEN
REFLECTORIZED
SIGN BACKGROUND = WHITE,
REFLECTORIZED

**ACCESSIBLE SIGN
DETAIL**
NOT TO SCALE

FILE NAME: H:\Warrenville\190706 Ph. 1 Trailhead Impr\190706.P2
IP: Trailhead Improvements\CADD\190706_SIP_Details.dwg



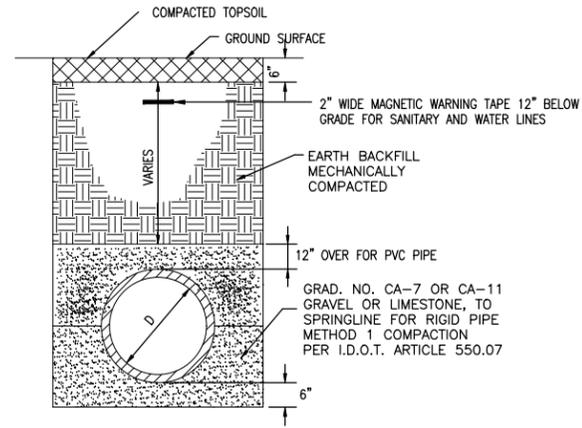
USER NAME = azellinski	DESIGNED - A.Z.	REVISED -
PLOT SCALE = SCALES	DRAWN - A.J.	REVISED -
PLOT DATE = 2/10/2022	CHECKED - J.M.	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

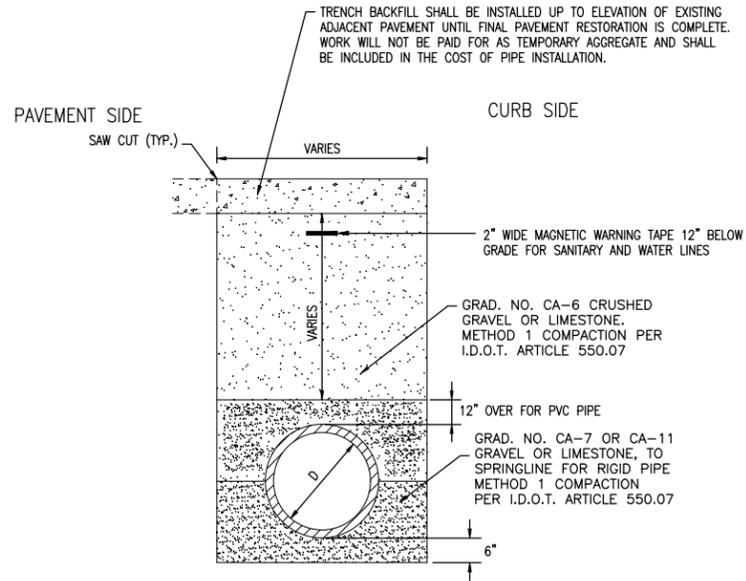
CONSTRUCTION DETAILS

SCALE: NONE SHEET NO. 8 OF 10 SHEETS STA. --- TO STA. ---

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	25
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

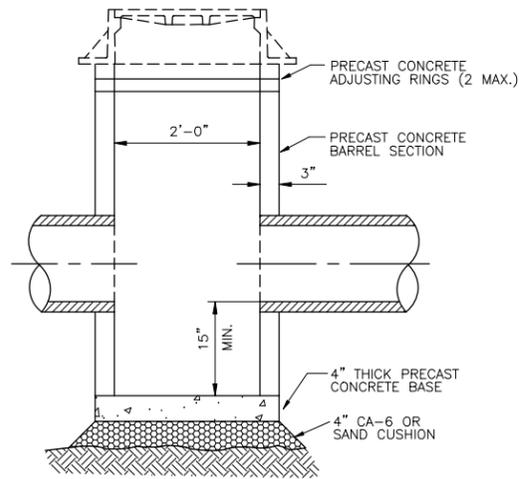


TRENCH SECTION IN UNPAVED AREAS
N.T.S.



NOTES:
ALL TRENCHES SHALL BE SAWCUT AND THE COST SHALL BE INCLUDED IN THE COST OF THE PIPE.
REMOVE ONLY SUFFICIENT PAVEMENT TO PERFORM PIPE INSTALLATION AND COORDINATE WITH ENGINEER.

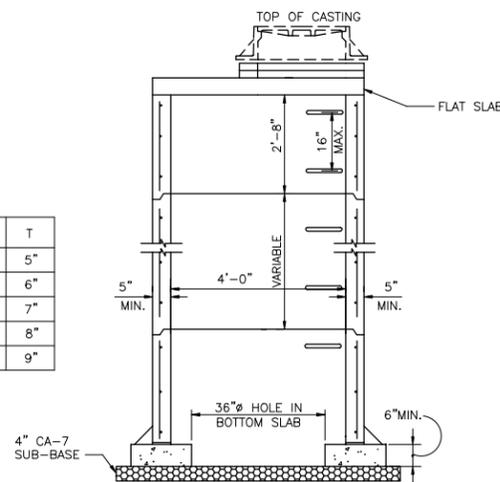
TRENCH SECTION IN PAVED AREAS
N.T.S.



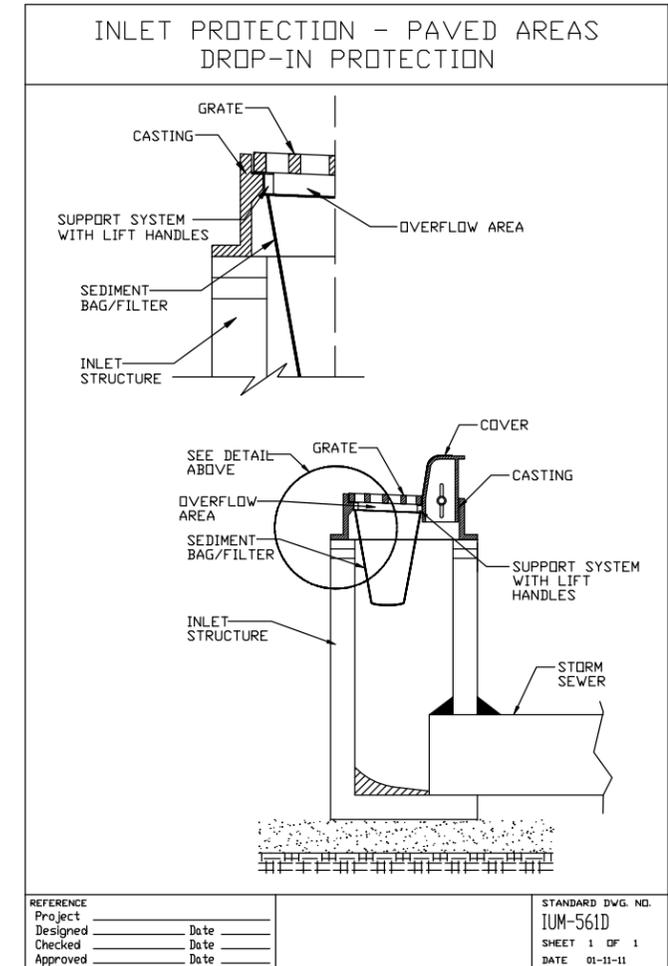
CATCH BASIN, TYPE C
NOT TO SCALE

- NOTES:
1. PRECAST-REINFORCED CONCRETE RISER RINGS AND CONES SHALL COMPLY WITH TEST STRENGTH - A.S.T.M. C-39. ADJUSTMENT RINGS SHALL NOT EXCEED 8" IN HEIGHT.
 2. MINIMUM WALL THICKNESS SHALL BE 5" AND MINIMUM CIRCULAR REINFORCEMENT SHALL BE 0.18 SQUARE INCH PER FOOT.
 3. THE BOTTOM MAY BE EITHER PRECAST AS INTEGRAL PART OR CAST IN PLACE WITH CLASS "SI" CONCRETE.
 4. MANHOLE WALL THICKNESS "T" SHALL BE AS SHOWN IN THE LIST BELOW.
 5. ALL STEPS SHALL BE CAST IRON.
 6. ALL JOINTS BETWEEN PRE-CAST ELEMENTS, ADJUSTING RINGS AND MANHOLE FRAMES ON ALL UNDERGROUND STRUCTURES, SHALL BE SET IN PLACE WITH A RUBBER JOINT SEALANT, AND ALL JOINTS TO BE TUCKPOINTED WITH HYDRAULIC CEMENT.
 7. FOR LOCATIONS WITH A BEEHIVE GRATE, SIX-INCHES OF ADJUSTING RINGS SHALL BE INCLUDED ON TOP OF THE SLAB TO ALLOW TOPSOIL PLACEMENT AND GRASS ESTABLISHMENT ABOVE THE SLAB.
 8. IN GENERAL, USE TYE 8 GRATE IN LAWN AREAS. IN LAWN AREAS WHERE TREES ARE PRESENT, IN PUBLIC RIGHT-OF-WAY, AND IN DITCHES, USE STOOL TYPE GRATE. CONTRACTOR SHALL CONFIRM GRATE TYPES WITH ENGINEER.

D	T
4'-0"	5"
5'-0"	6"
6'-0"	7"
7'-0"	8"
8'-0"	9"



INLET SPECIAL
NOT TO SCALE



FILE NAME: H:\Warrenville\190706 Ph 1 Trailhead Impr\190706.P2
IP: Trailhead Improvements\CADD\190706_SIP_Details.dwg



USER NAME = azellinski	DESIGNED - A.Z.	REVISED -
PLOT SCALE = SSCALES	DRAWN - A.J.	REVISED -
PLOT DATE = 2/2/2022	CHECKED - J.M.	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

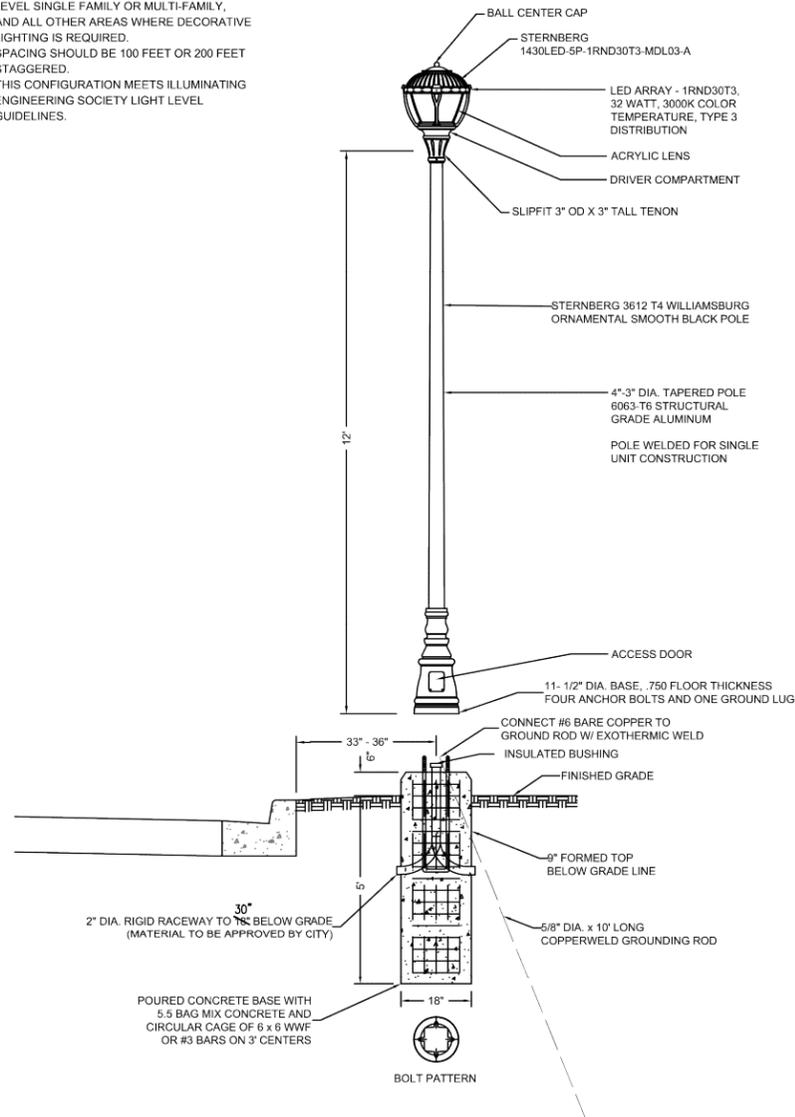
CONSTRUCTION DETAILS

SCALE: NONE SHEET NO. 9 OF 10 SHEETS STA. --- TO STA. ---

F.A.P. RTE. 365	SECTION 19-00039-00-BT	COUNTY DUPAGE	TOTAL SHEETS 49	SHEET NO. 26
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

NOTES:

1. APPLICABLE FOR BIKE PATHS, LOCAL STREET CLASSIFICATION WITH ONE TO TWO LEVEL SINGLE FAMILY OR MULTI-FAMILY, AND ALL OTHER AREAS WHERE DECORATIVE LIGHTING IS REQUIRED.
2. SPACING SHOULD BE 100 FEET OR 200 FEET STAGGERED.
3. THIS CONFIGURATION MEETS ILLUMINATING ENGINEERING SOCIETY LIGHT LEVEL GUIDELINES.



City of Warrenville Standard

SL-01-12-32W

12' Ornamental Street Light Detail (32W)

DRAWN: KMH
REV: 10-11-2018

FILE NAME: H:\Warrenville\190706 Ph. 1 Trailhead Impr\190706.P2
IP: Trailhead Improvements\CADD\190706 STP Details.dwg



USER NAME = azellinski	DESIGNED - A.Z.	REVISED -
PLOT SCALE = SCALES	DRAWN - A.J.	REVISED -
PLOT DATE = 1/17/2022	CHECKED - J.M.	REVISED -
	DATE - 12/13/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

SCALE: NONE SHEET NO. 10 OF 10 SHEETS STA. --- TO STA. ---

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	19-00039-00-BT	DUPAGE	49	27
CONTRACT NO.: 61H18				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY IBC 2015 EDITION AND SHALL CONFORM TO ALL OTHER APPLICABLE MUNICIPAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE ILLINOIS ACCESSIBILITY CODE (2018) AND THE AMERICANS WITH DISABILITIES ACT.

A. GENERAL NOTES

- ALL CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND BE KNOWLEDGEABLE REGARDING EXISTING CONDITIONS AND THEIR EFFECT ON THE PROPOSED WORK. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR, ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE PROJECT.
- NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO THE INTERRUPTION OF ANY UTILITY.
- PROTECT AND KEEP IN SERVICE ACTIVE UNDERGROUND UTILITIES, PIPES, OR CONDUITS, WHETHER INDICATED ON THE DRAWINGS OR NOT, UNLESS SPECIFICALLY CALLED FOR TO BE REMOVED, RELOCATED, OR DISCONNECTED AND ABANDONED.
- CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH THAT OF OTHER TRADES.
- NO WORK WILL BE PERMITTED TO BE INSTALLED WITHOUT RECEIPT AND SUBSEQUENT REVIEW OF FULL AND COMPLETE SUBMITTALS BY THE ARCHITECT/ENGINEER.
- DO NOT SCALE DRAWINGS, DIMENSIONS INDICATED TAKE PRECEDENCE OVER SCALE.
- VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. WHERE DISCREPANCIES ARE FOUND BETWEEN DIMENSIONS OR ELEVATIONS SHOWN AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT/ENGINEER.
- WHERE CONFLICTS MAY EXIST BETWEEN THE REQUIREMENTS OF PORTIONS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, HIGHER QUALITY OR MORE STRINGENT REQUIREMENT SHALL GOVERN. THEREFORE, BY EXECUTING A CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES THAT, IF IT RAISED NO QUESTIONS REGARDING SUCH CONFLICTS DURING THE BIDDING PROCESS, AND IN THE ABSENCE OF A CLARIFYING ADDENDUM ISSUED DURING THE BIDDING PROCESS, IT HAS VOLUNTEERED TO COMPLY WITH THE MORE EXPENSIVE REQUIREMENT AS PART OF ITS BID AND IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION TO RESOLVE THE CONFLICT.
- THE CONTRACT DOCUMENTS REQUIRE THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PRODUCTS, SYSTEMS AND SERVICES. BY EXECUTING A CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES THAT THE DRAWINGS SET FORTH THE DESIGN INTENT AND, THEREFORE, MAY NOT EXPRESSLY DEPICT EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE. THE CONTRACTOR FURTHER AGREES THAT, AS PART OF ITS BID, IT MUST FURNISH AND INSTALL EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE AND, CONSEQUENTLY, THE CONTRACTOR IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION FOR ANY LENGTH, SEGMENT, PIECE, PART COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE BECAUSE IT IS NOT EXPRESSLY DEPICTED HEREIN.

B: MISCELLANEOUS AND DEMOLITION NOTES

- COORDINATE PENETRATIONS AND/OR SLEEVES REQUIRED IN WALLS, FLOORS, CEILINGS OR ROOFS FOR MECHANICAL AND ELECTRICAL WORK REQUIRED BY ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- SEAL WITH UL APPROVED MATERIALS PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH FIRE-RATED ASSEMBLIES, TO MAINTAIN THE RATING INTEGRITY OF THOSE ASSEMBLIES. PROVIDE FIRE DAMPERS AS INDICATED ON THE DRAWINGS.
- SEAL WITH ACOUSTICAL SEALANT PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH NON-RATED FLOORS, FULL-HEIGHT WALLS/PARTITIONS, ACOUSTICALLY INSULATED WALLS/PARTITIONS, AND SOUND-RATED WALLS/PARTITIONS, TO MAINTAIN THE ACOUSTICAL INTEGRITY OF THOSE ASSEMBLIES.
- APPLY APPROPRIATE & COMPATIBLE SEALANT MATERIALS AS REQUIRED TO SEPARATE DISSIMILAR METALS, FILL GAPS IN EXISTING ASSEMBLIES OR WHERE NEW AND EXISTING ASSEMBLIES MEET OR WHERE OTHERWISE REQUIRED BY THE SPECIFICATIONS.
- BRING ANY UNFORESEEN OR CONFLICTING CONDITIONS TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- REPAIR, PATCH, OR REPLACE FINISH MATERIALS OR VISIBLE ASSEMBLIES THAT ARE SOILED, CUT OR DAMAGED IN ANY FASHION DURING THE COURSE OF THE WORK. PERFORM PATCHING SUCH THAT EDGES BLEND INTO CONTIGUOUS SURFACES SMOOTHLY, MATCHING TEXTURE AND COLOR OF ADJACENT SURFACES.

REQUIRED CODE COMPLIANCE INFORMATION

TOILET BUILDING ONLY
 REQUIRED PLAN COVER SHEET
 INFORMATION FOR REVIEW
 UNDER 2015 INTERNATIONAL CODES,
 STATE OF ILLINOIS ACCESSIBILITY CODE, AND
 THE STATE OF ILLINOIS PLUMBING CODE
 CODE REVIEW DATA

GENERAL STATEMENT OF OVERALL PROJECT SCOPE AND INTENT:

PROJECT CONSISTS OF CONSTRUCTION OF A TOILET BUILDING FOR A PARK FACILITY. THE BUILDING IS UNOCCUPIED OTHER THAN WHEN USING OR SERVICING THE TOILET FACILITIES.

- A. USE AND OCCUPANCY GROUP(S) CLASSIFICATION: U.
- B. TYPE OF CONSTRUCTION: VB
- C. SQUARE FOOTAGE OF BUILDING: 835 S.F.; INCLUDING COVERED AREAS, BUT NOT INCLUDING PERIMETER OVERHANG. NOT SPRINKLERED; NOT ALARMED
- D. OCCUPANT LOAD BASED ON INTERNATIONAL BUILDING CODE: 0
- E. OCCUPANT LOAD BASED ON ILLINOIS PLUMBING CODE: 0
- F. THE DESIGN PROFESSIONALS IN RESPONSIBLE CHARGE ARE IDENTIFIED IN THE SEALS AND CERTIFICATES AREA, BELOW.

INDEX OF DRAWINGS

GENERAL

- 1 GENERAL NOTES & DRAWING INDEX
- 2 ACCESSIBILITY REQUIREMENTS

ARCHITECTURAL & STRUCTURAL

- 3 IMAGES
- 4 FLOOR PLAN
- 5 ROOF PLAN
- 6 REFLECTED CEILING PLAN
- 7 BUILDING SECTIONS
- 8 EXTERIOR ELEVATIONS
- 9 EXTERIOR ELEVATIONS
- 10 WALL SECTIONS
- 11 WALL SECTIONS
- 12 DETAILS
- 13 DETAILS AND SCHEDULES
- 14 FOUNDATION PLAN
- 15 ROOF FRAMING AND BEAM PLAN
- 16 STRUCTURAL DETAILS

MECHANICAL

- 17 MECHANICAL PLAN

PLUMBING

- 18 PLUMBING UNDERGROUND PLAN
- 19 PLUMBING FLOOR PLAN
- 20 PLUMBING DETAILS

ELECTRICAL

- 21 ELECTRICAL POWER AND LIGHTING PLAN
- 22 ELECTRICAL SCHEDULES AND DETAILS

APPLICABLE CODES

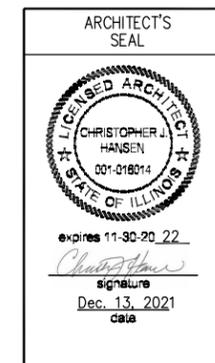
2015 INTERNATIONAL BUILDING CODE
 2015 INTERNATIONAL MECHANICAL CODE
 2015 INTERNATIONAL FUEL AND GAS CODE
 2015 INTERNATIONAL EXISTING BUILDING CODE
 2015 INTERNATIONAL FIRE CODE
 2014 NATIONAL ELECTRICAL CODE
 LOCAL AMENDMENTS TO THE ABOVE CODES

2014 ILLINOIS PLUMBING CODE
 2018 INTERNATIONAL ENERGY CONSERVATION CODE
 2018 ILLINOIS ACCESSIBILITY CODE

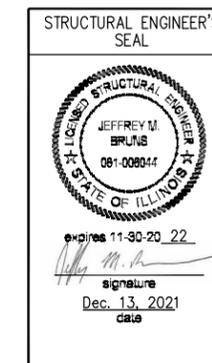
SEALS & CERTIFICATIONS

I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH IBC 2015 EDITION, THE ENVIRONMENTAL BARRIERS ACT AND THE ILLINOIS ACCESSIBILITY CODE.

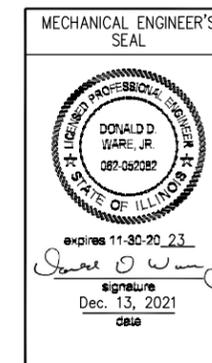
KLUBER, INC. ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-001284



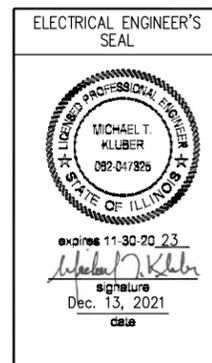
SHEETS 1-16



SHEETS 1-2 & 10-16
(STRUCTURAL DETAILS)



SHEETS 1-2 & 17-20



SHEETS 1-2 & 21-22



Kluber, Inc.
 8001 W. 116th St.
 Mokena, IL 60450-2775
 Chicago, IL 60608-0000
 Tel: 815-581-5200
 www.kluber.com



USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED - ___
PLOT SCALE = 1" = 1'-0"	DRAWN - CJH	REVISED - ___
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED - ___
	DATE - 12/13/2021	REVISED - ___

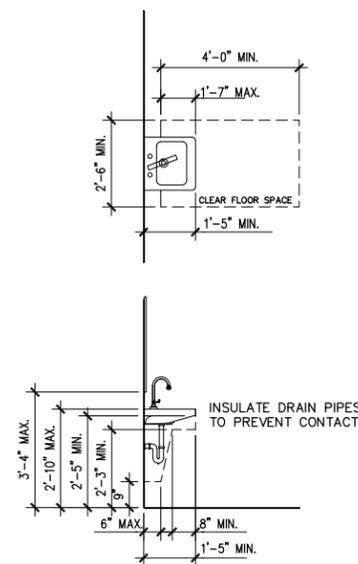
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
 GENERAL NOTES & DRAWING INDEX

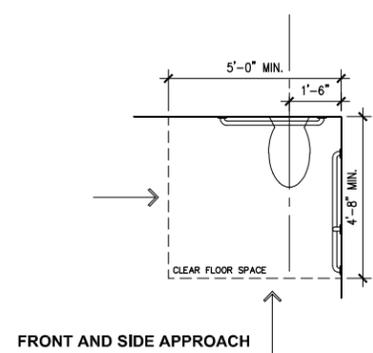
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N/A	19-00039-BT	DUPAGE	49	28
			CONTRACT NO. 61H18	
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 1 OF 22 SHEETS STA. 8+66 TO STA. 9+01

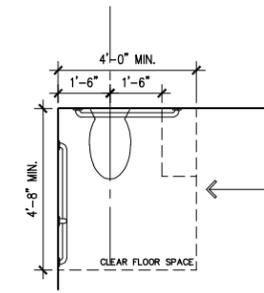
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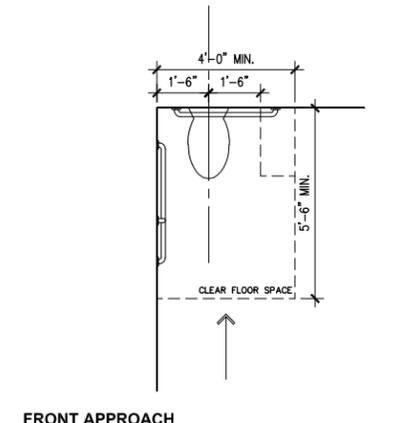
LAVATORY 3
N.T.S.



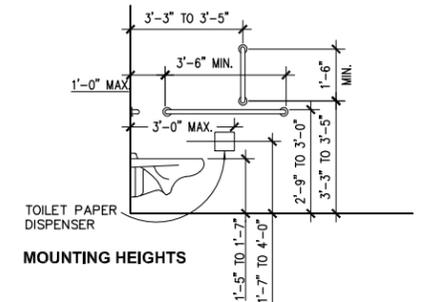
FRONT AND SIDE APPROACH



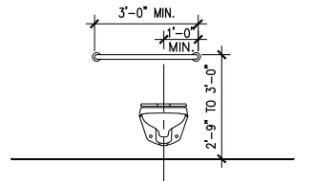
SIDE APPROACH



FRONT APPROACH

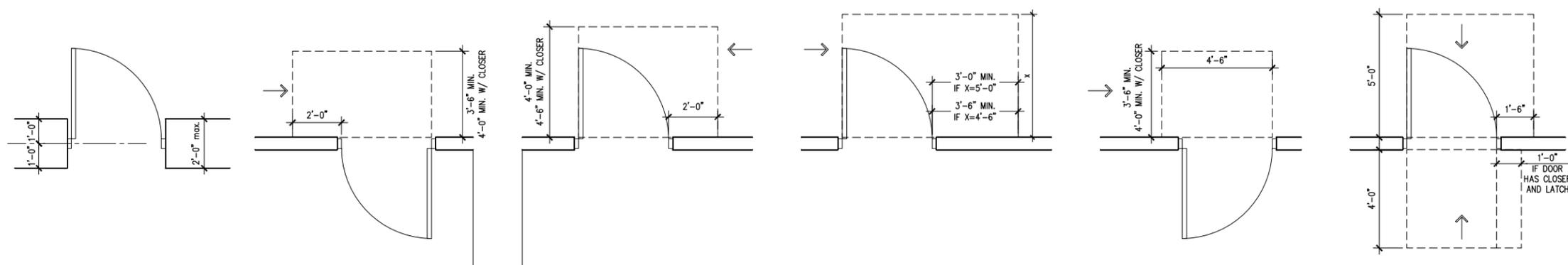


MOUNTING HEIGHTS



MOUNTING HEIGHTS

SINGLE-USER TOILET ROOM 2
N.T.S.



DOOR CLEARANCES 1
N.T.S.



USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
DRAWN - CJH	REVISED -	
CHECKED - CJH	REVISED -	
DATE = 12/13/2021	DATE = 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
ACCESSIBILITY REQUIREMENTS

SCALE: AS INDICATED SHEET NO. 2 OF 22 SHEETS STA. 8+66 TO STA. 9+01

F.A.P. RTE. N/A	SECTION 19-00039-BT	COUNTY	TOTAL SHEETS 49	SHEET NO. 29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H18	

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KEYNOTES

KEYNOTES ARE NOT ALWAYS REPEATED ACROSS ALL DRAWINGS ON THIS SHEET. AN UN-KEYNOTED ITEM ON THIS SHEET IS THE SAME AS A KEYNOTED ITEM ON THIS SHEET HAVING THE SAME GRAPHIC APPEARANCE.

- 1.109 OWNER-PROVIDED ITEM (N.I.C.): PICNIC TABLE.
- 4.210 BRICK MASONRY: MODULAR TYPE "B-1"; REFER TO SPECIFICATIONS.
- 4.431 STONE MASONRY VENEER: 3-1/2" (NOM.) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- 4.803 MASONRY ASSEMBLY: MASONRY PIER. REFER TO PLANS AND SCHEDULES FOR DETAILED INFORMATION.
- 6.660 CUSTOM SIMULATED ORNAMENTAL WOODWORK: BASIS OF DESIGN: FYPON INC., COMPOSITE PVC PLASTIC ENCASED DECORATIVE BRACKET; SIZE: 30 X 30 X 6; MODEL NUMBER: BKT30X30 OR CUSTOM SHAPED PRODUCTS TO MATCH BASIS OF DESIGN UNIT BY HARDIE BOYS OR EKENA MILLWORK; TYPICAL OF 24; SECURE TO STRUCTURE WITH MANUFACTURERS RECOMMENDED FASTENERS AND ADHESIVES. WHERE FASTENERS ARE USED, COUNTERSINK AND PLUG HOLES WITH WOOD BUTTON PLUGS PRIOR TO PAINTING.
- 7.310 ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
- 7.461 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN; 3/2" WIDE X 3/4" THK.; REFER TO SPECIFICATIONS.
- 7.464 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN; 9/4" WIDE X 3/4" THK.; REFER TO SPECIFICATIONS.
- 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.
- 7.468 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; REFER TO SPECIFICATIONS.
- 8.112 STEEL DOOR: INSULATED. REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- 8.520 CLAD WOOD WINDOWS: FIXED PICTURE WINDOW UNIT TYPE WITH INSULATED, TEMPERED AND NON-VISION FROSTED GLASS; MUTTINS AS INDICATED. PRIMED WOOD INTERIOR FOR FIELD PAINT FINISH; REFER TO SPECIFICATIONS.

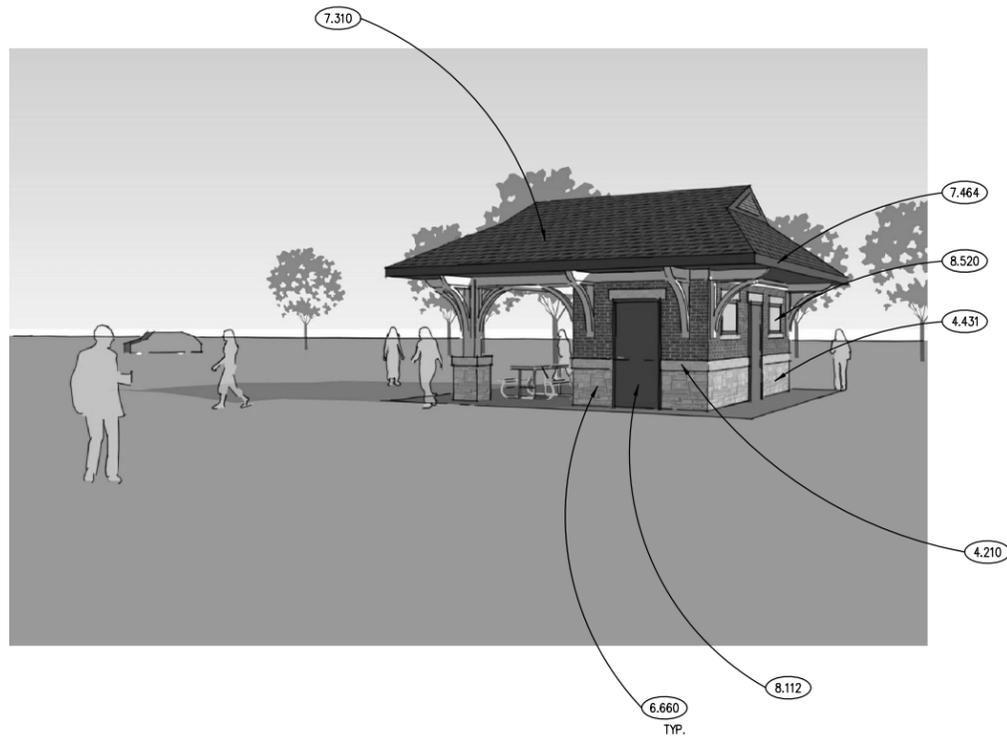


IMAGE 4
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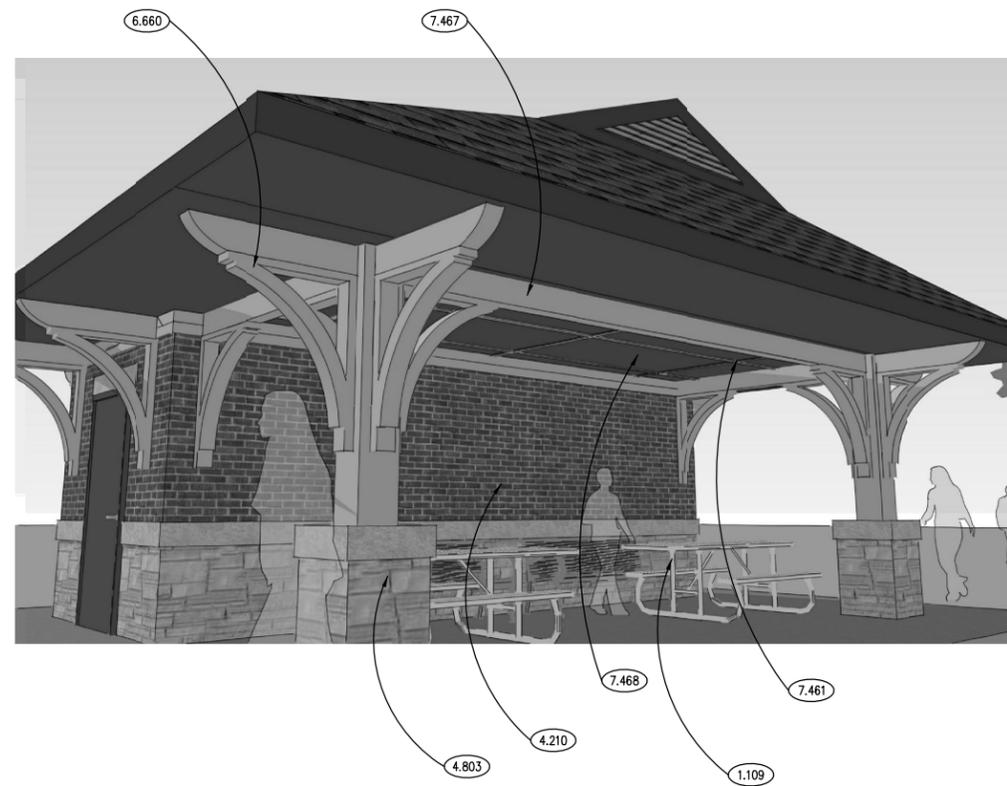


IMAGE 2
SCALE: NTS

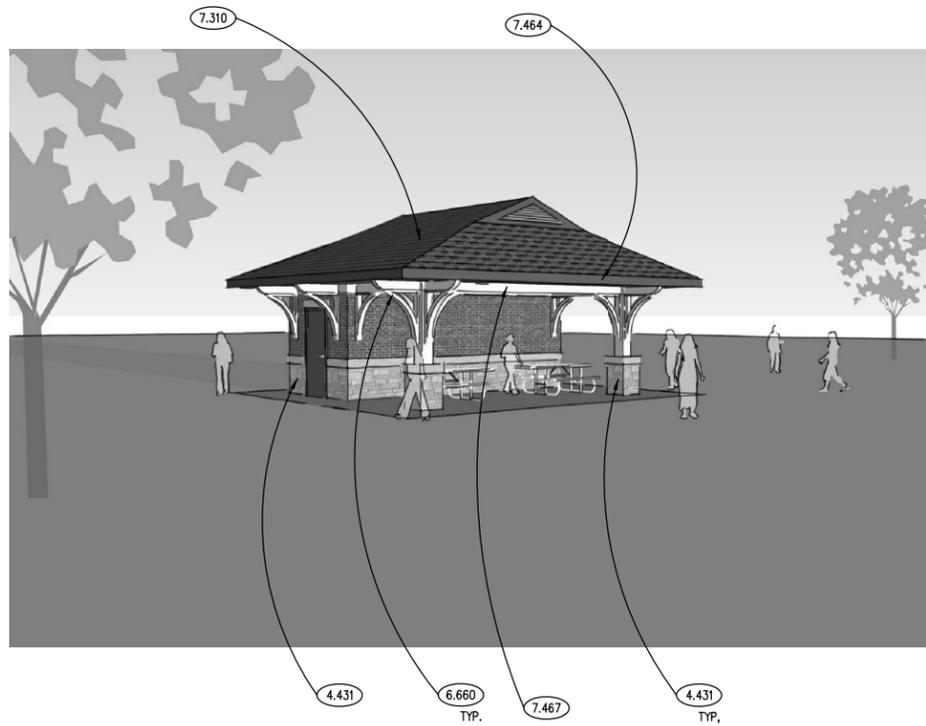


IMAGE 3
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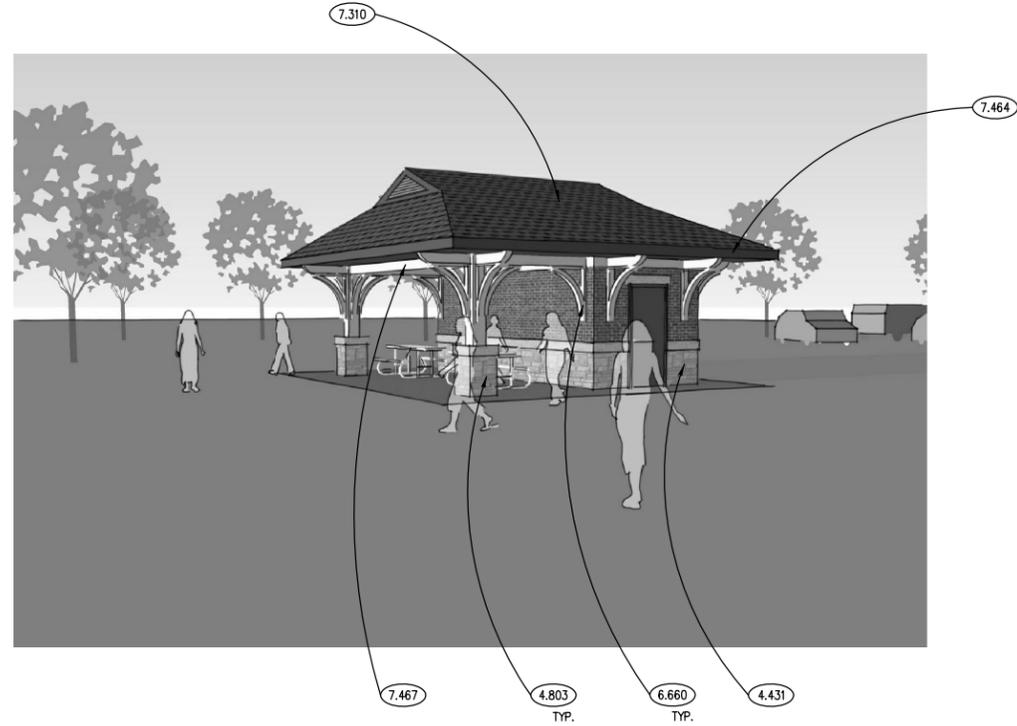


IMAGE 1
SCALE: NTS

GENERAL NOTES

1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.



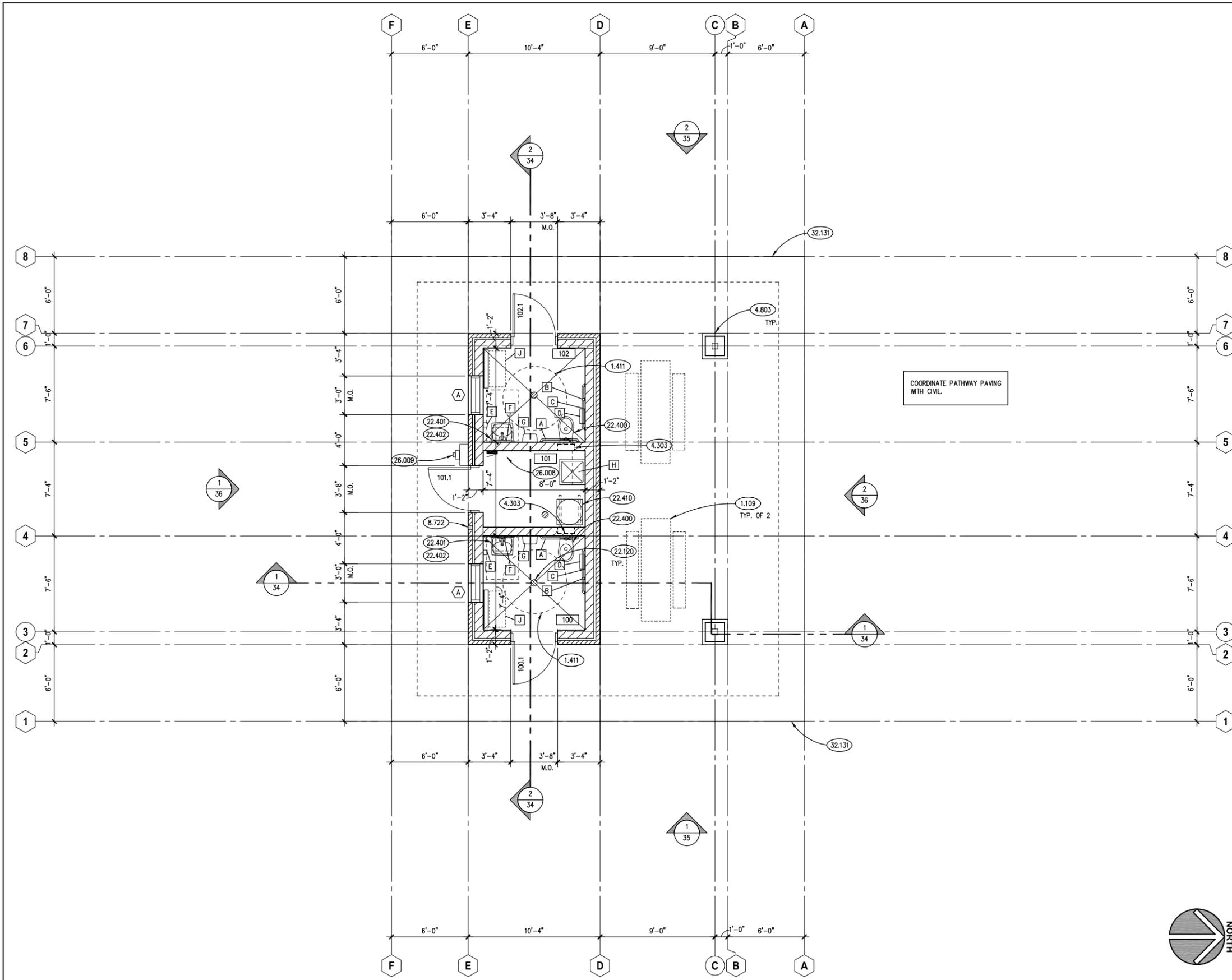
USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - CJH	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
IMAGES

SCALE: AS INDICATED SHEET NO. 3 OF 22 SHEETS STA. 8+66 TO STA. 9+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H18	



KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 1.109 OWNER-PROVIDED ITEM (N.I.C.): PICNIC TABLE.
- 1.411 60" DIA. CLEAR TURNING SPACE FOR WHEELCHAIR.
- 4.303 CONCRETE BLOCK MASONRY: 2" (NOM.) THK.; RUNNING BOND AT LOCATION OF TOILET WALL CARRIER UNIT TO ALLOW FOR WALL MOUNTED TOILET AND CONTROL VALVE INSTALLATION.
- 4.803 MASONRY ASSEMBLY: MASONRY PIER. REFER TO PLANS AND SCHEDULES FOR DETAILED INFORMATION.
- 8.722 KNOX BOX BY GENERAL CONTRACTOR: FULLY-RECESSED IN MASONRY; COORDINATE MOUNTING LOCATION AT BUILDING ENTRANCE WITH AUTHORITY HAVING JURISDICTION.
- 22.120 PLUMBING PIPING SPECIALTY: FLOOR DRAIN; REFER TO PLUMBING DRAWINGS; SLOPE FLOOR TO DRAIN AS INDICATED.
- 22.400 PLUMBING FIXTURE: WALL MOUNTED TOILET; REFER TO PLUMBING DRAWINGS.
- 22.401 PLUMBING FIXTURE: WALL MOUNTED LAVATORY; REFER TO PLUMBING DRAWINGS.
- 22.402 PLUMBING FIXTURE ACCESSORY: VANDAL-RESISTANT, ADA-COMPLIANT, 1-PIECE LAVATORY PIPING SHIELD/ENCLOSURE; WHITE, IMPACT-RESISTANT PVC; PROVIDE FACTORY-PRE-CUT MODEL TO MATCH LAVATORY, OR CAREFULLY AND NEATLY SCRIBE TOP EDGE TO FIT SNUGLY AROUND AND ALL ALONG UNDERSIDE OF LAVATORY BASIN; INSTALL USING TAMPER-RESISTANT SECURITY-TYPE FASTENERS; TYP. AT ALL LAVATORIES IN ALL RESTROOMS; PRODUCT: TRUEBRO LAV SHIELD, MANUFACTURED BY IPS CORPORATION; www.ipscorp.com.
- 22.410 PLUMBING EQUIPMENT: ELECTRIC WATER HEATER MOUNTED ON UNISTRUT WALL BRACKETS, MOUNTED 6 FEET ABOVE FINISHED FLOOR; REFER TO PLUMBING DRAWINGS.
- 26.008 ELECTRICAL PANELBOARD; REFER TO ELECTRICAL DRAWINGS.
- 26.009 ELECTRICAL METER; REFER TO ELECTRICAL DRAWINGS.
- 32.131 CONCRETE PAVING: PEDESTRIAN WALK; REFER TO DETAILS.

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	CAT. NO.	REMARKS	MOUNTING HEIGHTS
A	S.S. GRAB BAR - 36"	3800-36	SNAP-ON FLANGE COVER	SEE SHEET G201
B	S.S. GRAB BAR - 42"	3800-42	SNAP-ON FLANGE COVER	SEE SHEET G201
C	S.S. GRAB BAR - 18" (VERTICAL)	3800-18	SNAP-ON FLANGE COVER	SEE SHEET G201
D	JUMBO TOILET ROLL DISPENSER	MODEL 0046	2	
E	AUTOMATIC FOAM DISPENSER	MODEL 20365	SURF. MTD.	44" MAXIMUM CONTROLS
F	SECURITY FRAMED MIRROR	MODEL 105-14	12" X 16" SURFACE MTD., 2	
G	ELECTRIC HAND DRYER	MODEL XL-SB	BRUSHED CHROME SURFACE MTD.	MT. 40" A.F.F. TO NOZZLE
H	S.S. SHELF W/ MOP & BROOM HOLDER	1308-4		72" TO SHELF
J	BABY CHANGING STATION	KB200-05	SURF. MTD.	34" FROM TOP OF COUNTER WHEN OPEN

TOILET ACCESSORY GENERAL NOTES

- A.S.I. CATALOG NUMBERS ARE USED FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED; REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS.
- MOUNTING HEIGHTS PER ADA-AG (AMERICAN'S WITH DISABILITIES ACT ACCESSIBILITIES GUIDELINES).
- MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO HEIGHT INDICATED.

TOILET ACCESSORY REMARKS

- BOBRICK CATALOG NUMBERS, USED FOR REFERENCE ONLY.
- DUROLLA MODEL NUMBERS, USED FOR REFERENCE ONLY.

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
100	UNISEX TOILET ROOM		
101	UTILITY ROOM		
102	UNISEX TOILET ROOM		

GENERAL NOTES

- REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.

FLOOR PLAN
SCALE: 1/4" = 1'-0" **1**



USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

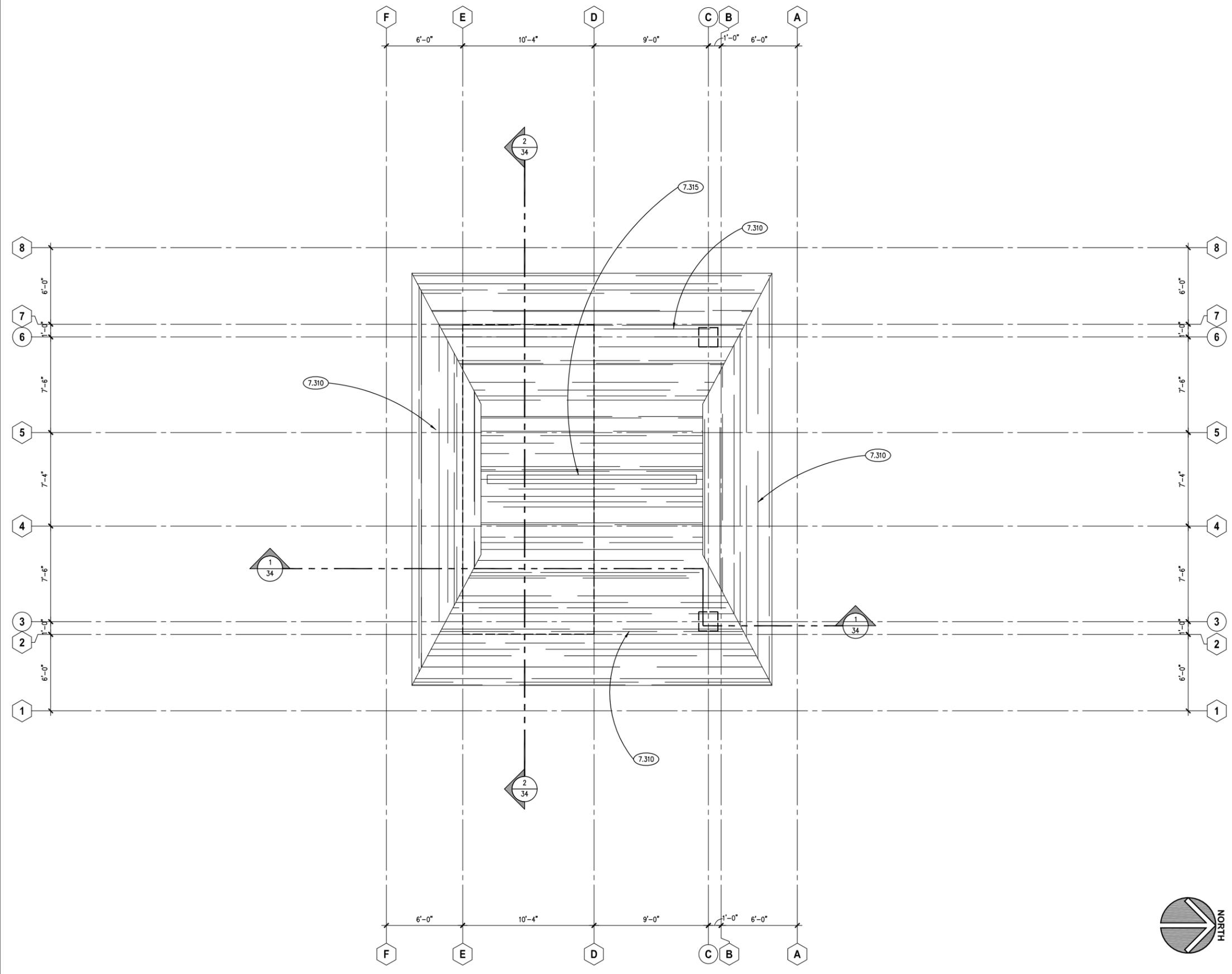
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
FLOOR PLAN

SCALE: AS INDICATED	SHEET NO. 4 OF 22 SHEETS	STA. 8+66 TO STA. 9+01
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT		49	31
			CONTRACT NO. 61H18	
ILLINOIS FED. AID PROJECT				

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KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

7.310 ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
 7.315 ASPHALT SHINGLES ACCESSORY: SHINGLE OVER RIDGE VENT; CONTINUOUS.

GENERAL NOTES

- REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.
- ROOFING CONTRACTOR PROVIDE STACK BOOTS ON MECHANICAL AND PLUMBING VENTS.

ROOF PLAN 1

SCALE: 1/4" = 1'-0"



USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

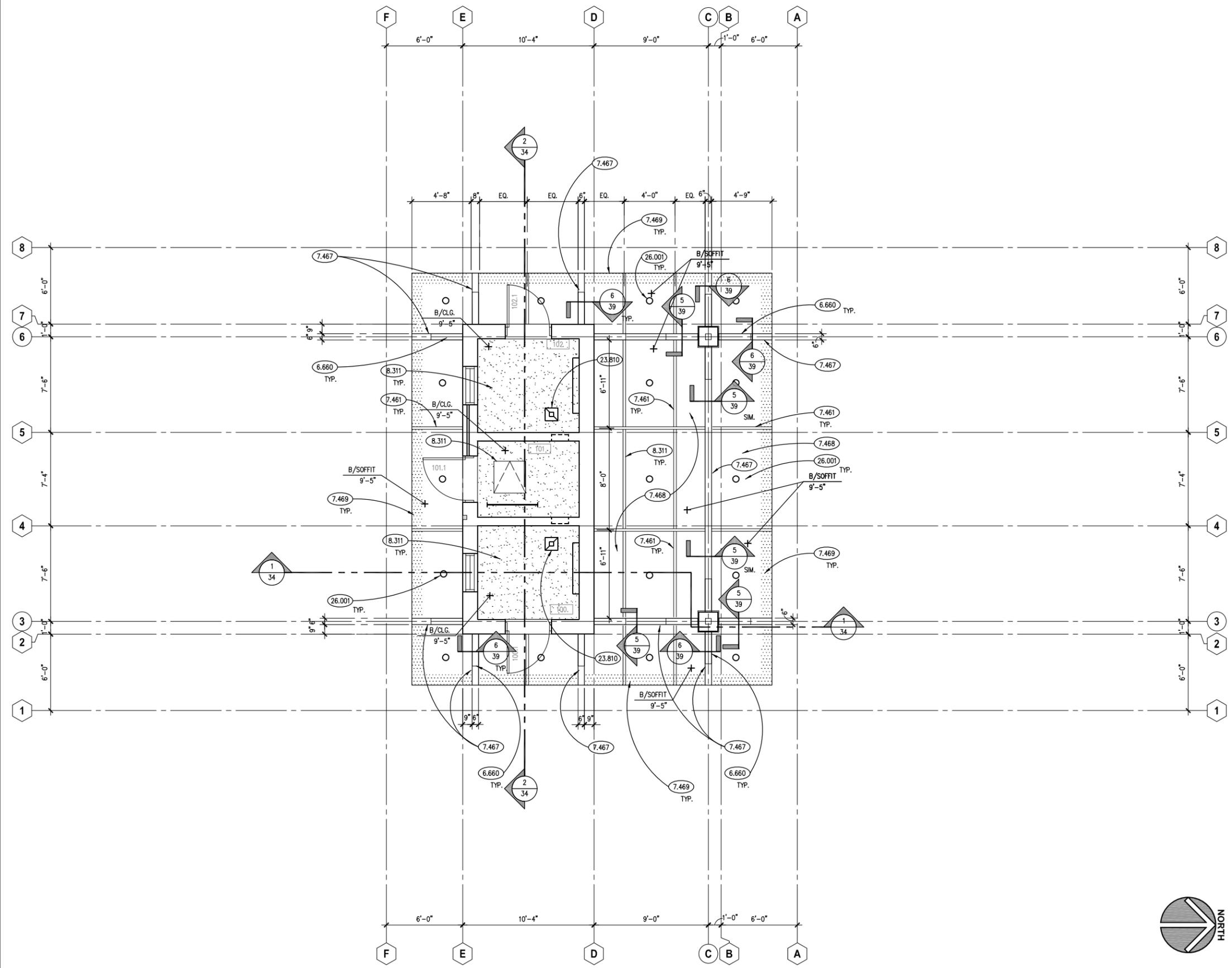
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
ROOF PLAN

SCALE: AS INDICATED	SHEET NO. 5 OF 22 SHEETS	STA. 8+66 TO STA. 9+01
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	32
CONTRACT NO. 61H18				
ILLINOIS FED. AID PROJECT				

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- ### KEYNOTES
- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 6.660 CUSTOM SIMULATED ORNAMENTAL WOODWORK: BASIS OF DESIGN: FYPON INC., COMPOSITE PVC PLASTIC ENCASED DECORATIVE BRACKET; SIZE: 30 X 30 X 6; MODEL NUMBER: BKT30X30 OR CUSTOM SHAPED PRODUCTS TO MATCH BASIS OF DESIGN UNIT BY HARDIE BOYS OR EKENA MILLWORK; TYPICAL OF 24; SECURE TO STRUCTURE WITH MANUFACTURERS RECOMMENDED FASTENERS AND ADHESIVES. WHERE FASTENERS ARE USED, COUNTERSINK AND PLUG HOLES WITH WOOD BUTTON PLUGS PRIOR TO PAINTING.
 - 7.461 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN: 3/8" WIDE X 3/4" THK.; REFER TO SPECIFICATIONS.
 - 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL: 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.
 - 7.468 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL: 1/4" THICK SOLID; REFER TO SPECIFICATIONS.
 - 7.469 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL: 1/4" THICK VENTED; REFER TO SPECIFICATIONS.
 - 8.311 ACCESS DOOR: 30"x30", HINGED, WITH FLANGED FRAME FOR CEILING MOUNTING; PRIMED STEEL; PROVIDE SUPPLEMENTAL ROUGH CARPENTRY WOOD FRAMING BETWEEN TRUSSES TO CREATE ROUGH OPENING FOR MOUNTING DOOR; SCREWDRIVER-OPERATED CAM LATCH; REFER TO SPECIFICATIONS.
 - 23.810 ELECTRIC CABINET UNIT HEATER: CEILING MOUNTED. REFER TO MECHANICAL DRAWINGS.
 - 26.001 LIGHT FIXTURE: EXTERIOR, RECESSED CAN LIGHT WITH LENS. REFER TO ELECTRICAL DRAWINGS.

CEILING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GYPSUM BOARD		MECHANICAL DIFFUSER: EXHAUST
			DOWN LIGHT FIXTURES
			LIGHT FIXTURE: INDUSTRIAL STRIP

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
100	UNISEX TOILET ROOM		
101	UTILITY ROOM		
102	UNISEX TOILET ROOM		

GENERAL NOTES

1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.

REFLECTED CEILING PLAN 1

SCALE: 1/4" = 1'-0"

Kluber
ENGINEERING RESOURCE ASSOCIATES

USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
REFLECTED CEILING PLAN

SCALE: AS INDICATED	SHEET NO. 6 OF 22 SHEETS	STA. 8+66 TO STA. 9+01
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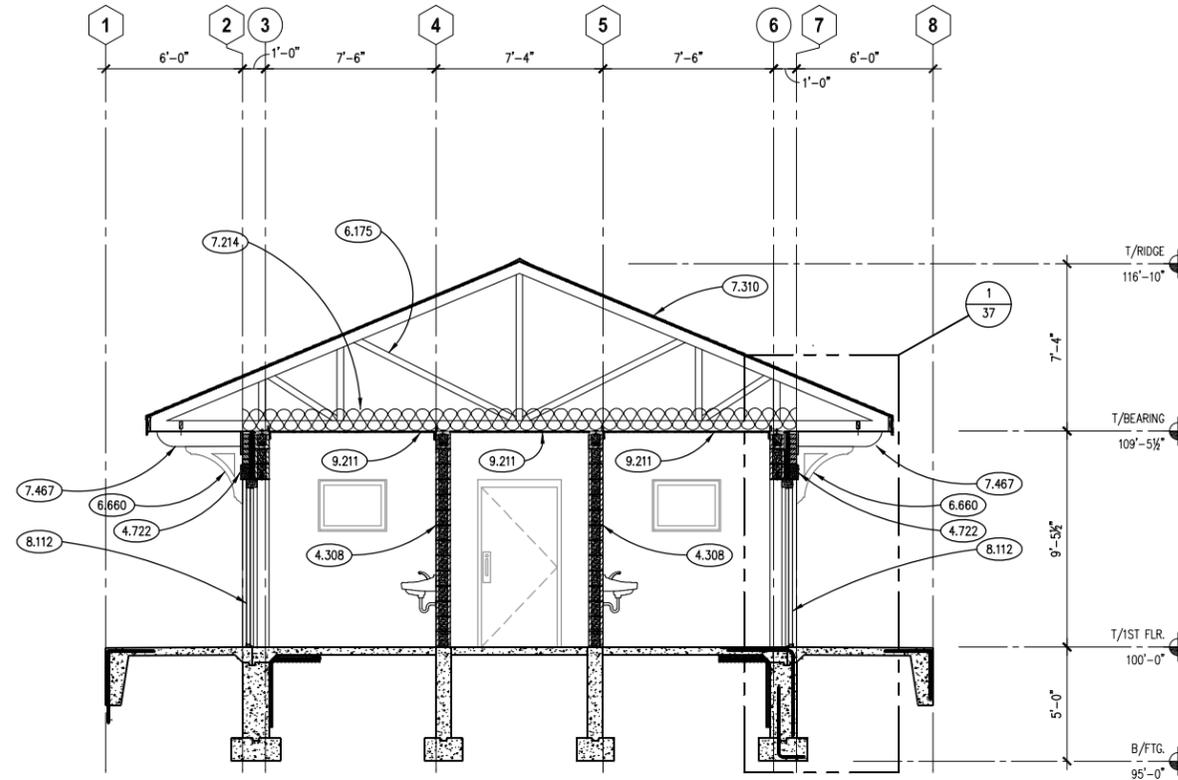
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	33
CONTRACT NO. 61H18				
ILLINOIS FED. AID PROJECT				

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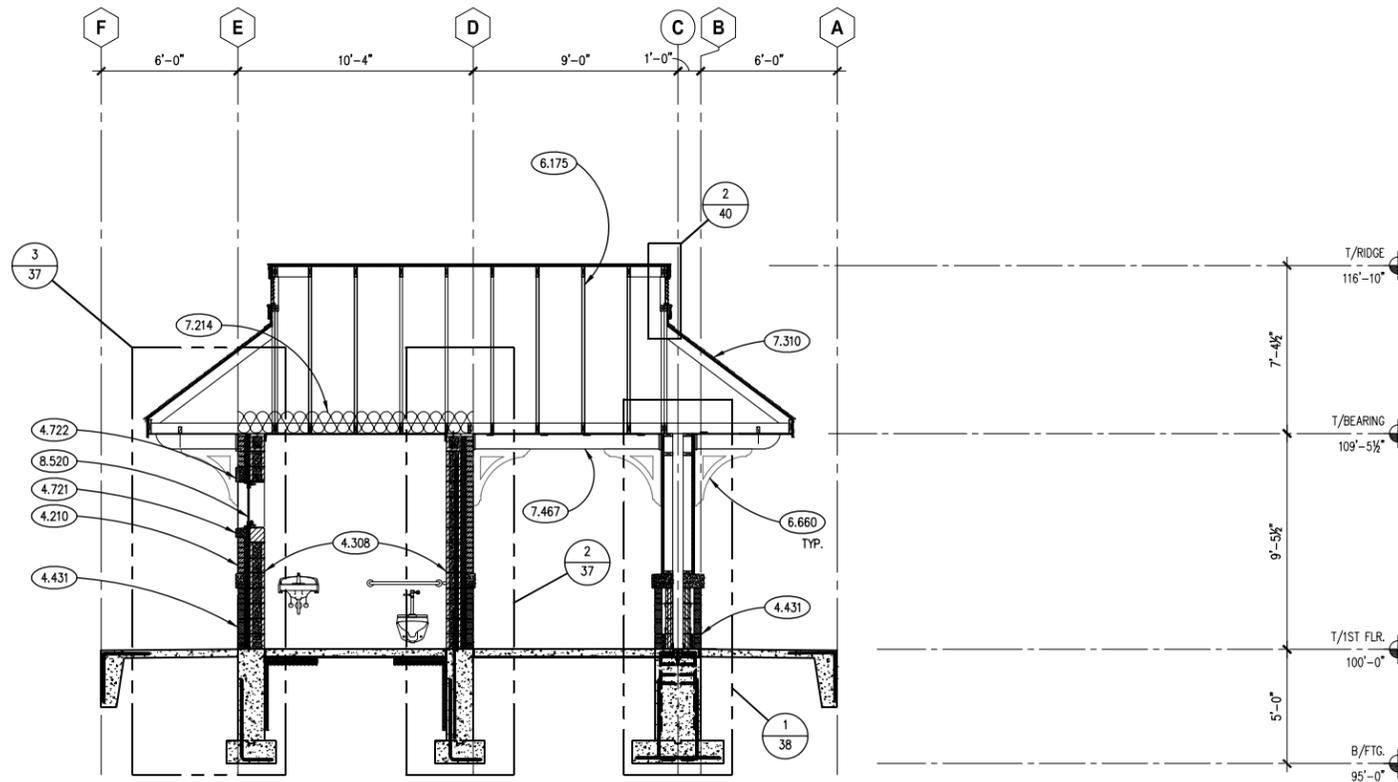
KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 4.210 BRICK MASONRY: MODULAR TYPE "B-1"; REFER TO SPECIFICATIONS.
- 4.308 CONCRETE BLOCK MASONRY: 8" (NOM.) THK.; RUNNING BOND.
- 4.431 STONE MASONRY VENEER: 3-1/2" (NOM.) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- 4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; SLOPE TOP TO DRAIN AS SHOWN; PROVIDE UNITS WITH FINISHED ENDS AT BUTT-JOINTED CORNERS; RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD AND TOP JOINTS.
- 4.722 CAST STONE MASONRY: HEADER COURSE; 8" HIGH (NOM.) X OPENING WIDTH PLUS 6" BEARING EACH END X 4" (NOM.) THK.; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; REFER TO SPECIFICATIONS.
- 6.175 PRE-FABRICATED WOOD TRUSSES: 6:12 PITCH @ 24" O.C.; REFER TO SPECIFICATIONS.
- 6.660 CUSTOM SIMULATED ORNAMENTAL WOODWORK: BASIS OF DESIGN: FYPON INC., COMPOSITE PVC PLASTIC ENCASED DECORATIVE BRACKET; SIZE: 30 X 30 X 6; MODEL NUMBER: BKT30X30 OR CUSTOM SHAPED PRODUCTS TO MATCH BASIS OF DESIGN UNIT BY HARDIE BOYS OR EKENA MILLWORK; TYPICAL OF 24; SECURE TO STRUCTURE WITH MANUFACTURERS RECOMMENDED FASTENERS AND ADHESIVES. WHERE FASTENERS ARE USED, COUNTERSINK AND PLUG HOLES WITH WOOD BUTTON PLUGS PRIOR TO PAINTING.
- 7.214 INSULATION: THERMAL BATT; KRAFT FACED; ATTIC BATT; 12" THICKNESS; R-38.
- 7.310 ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
- 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.
- 8.112 STEEL DOOR: INSULATED. REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- 8.520 CLAD WOOD WINDOWS: FIXED PICTURE WINDOW UNIT TYPE WITH INSULATED, TEMPERED AND NON-VISION FROSTED GLASS; MUTTINS AS INDICATED. PRIMED WOOD INTERIOR FOR FIELD PAINT FINISH; REFER TO SPECIFICATIONS.
- 9.211 GYPSUM BOARD: 5/8" THICK; MOISTURE RESISTANT.



BUILDING SECTION 2
SCALE: 1/4" = 1'-0"



BUILDING SECTION 1
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- 1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.

Kluber
ENGINEERING RESOURCE ASSOCIATES

USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
BUILDING SECTIONS

SCALE: AS INDICATED	SHEET NO. 7 OF 22 SHEETS	STA. 8+66 TO STA. 9+01
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT		49	34
			CONTRACT NO. 61H18	
ILLINOIS / FED. AID PROJECT				

KEYNOTES

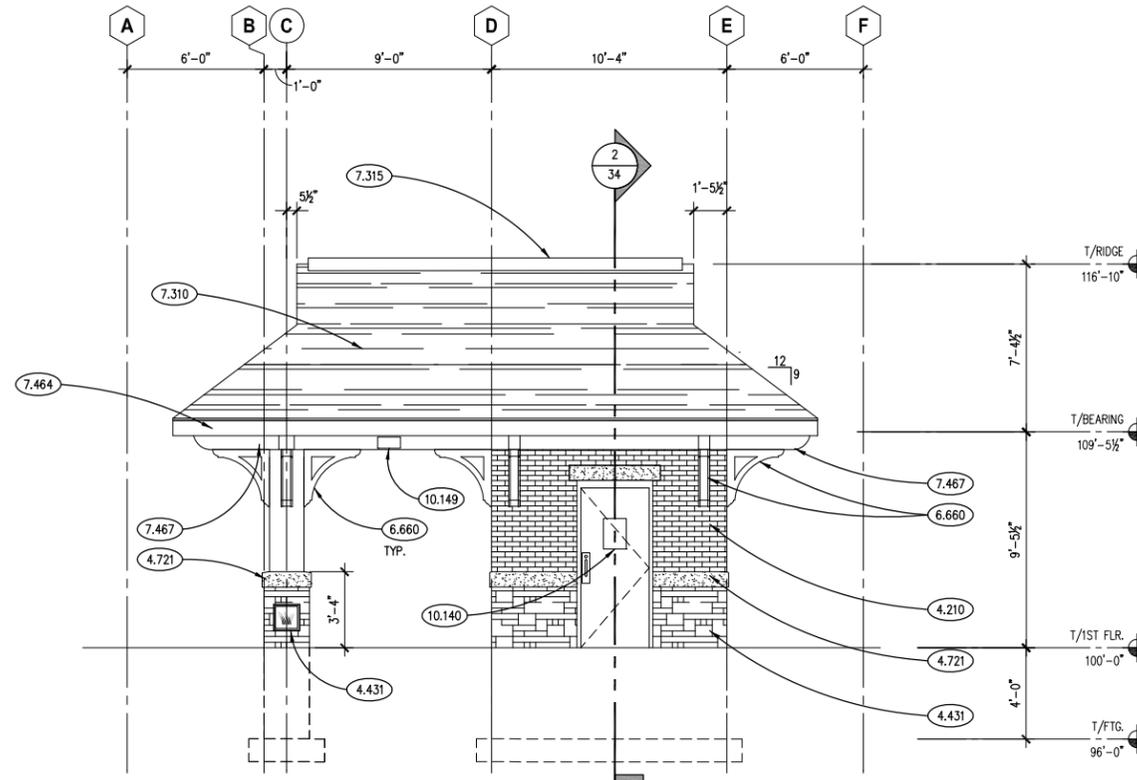
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- 4.210 BRICK MASONRY: MODULAR TYPE "B-1"; REFER TO SPECIFICATIONS.
- 4.431 STONE MASONRY VENEER: 3-1/2" (NOM) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- 4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; SLOPE TOP TO DRAIN AS SHOWN; PROVIDE UNITS WITH FINISHED ENDS AT BUTT-JOINTED CORNERS; RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD AND TOP JOINTS.
- 4.723 CAST STONE MASONRY: CAST MEDALLION WITH TWO COLOR INSCRIBED OWNER LOGO; REFER TO SPECIFICATIONS.

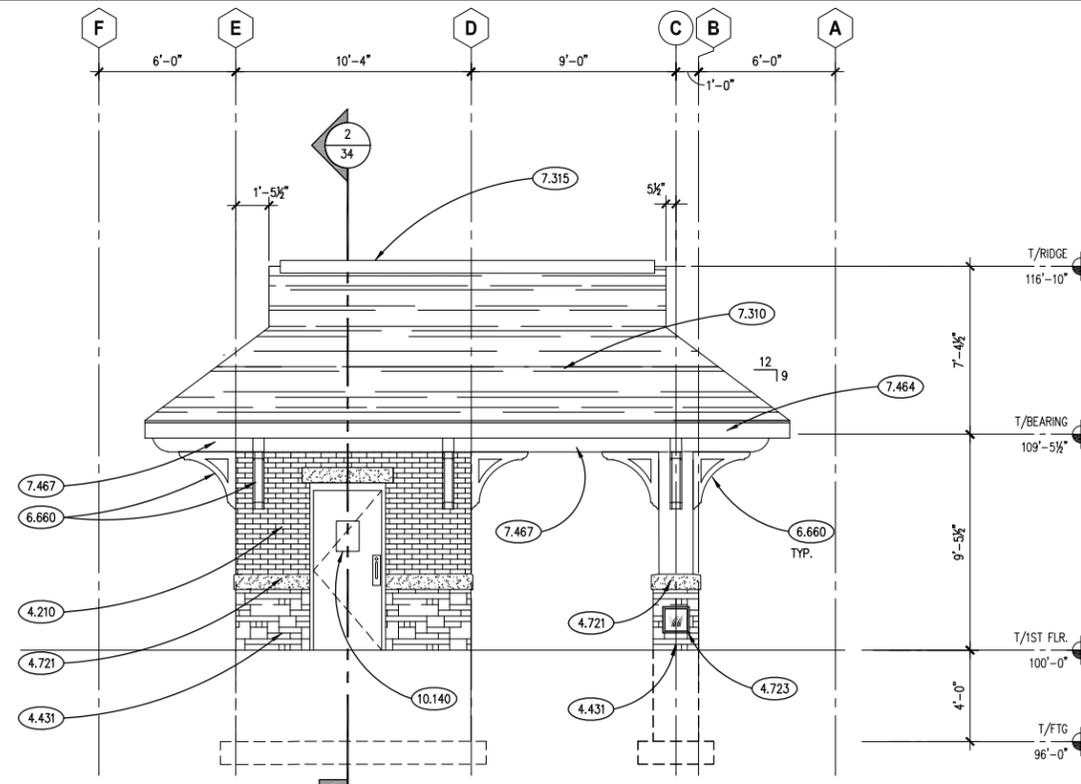
- 6.660 CUSTOM SIMULATED ORNAMENTAL WOODWORK: BASIS OF DESIGN: FYPON INC., COMPOSITE PVC PLASTIC ENCASED DECORATIVE BRACKET; SIZE: 30 X 30 X 6; MODEL NUMBER: BKT30X30 OR CUSTOM SHAPED PRODUCTS TO MATCH BASIS OF DESIGN UNIT BY HARDIE BOYS OR EKENA MILLWORK; TYPICAL OF 24; SECURE TO STRUCTURE WITH MANUFACTURERS RECOMMENDED FASTENERS AND ADHESIVES. WHERE FASTENERS ARE USED, COUNTERSINK AND PLUG HOLES WITH WOOD BUTTON PLUGS PRIOR TO PAINTING.

- 7.310 ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
- 7.315 ASPHALT SHINGLES ACCESSORY: SHINGLE OVER RIDGE VENT; CONTINUOUS.
- 7.464 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN; 9 1/4" WIDE X 3/4" THK.; REFER TO SPECIFICATIONS.
- 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.

- 10.140 SIGNAGE: FLAT SIGN; GENDER NEUTRAL; 6" X 9" SIZE. "RESTROOM" WORDING WITH UNIVERSAL SYMBOLS. DOOR MOUNTED.
- 10.149 SIGNAGE: EXTERIOR DIMENSIONAL LETTERING ON STANDOFFS; SURFACE MOUNTED, NON-LIT, 6" HIGH; REFER TO SPECIFICATIONS.



WEST ELEVATION ②
SCALE: 1/4" = 1'-0"



EAST ELEVATION ①
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.
2. COORDINATE LOCATIONS OF WALL-MOUNTED MECHANICAL, PLUMBING AND ELECTRICAL ITEMS TO ENSURE NO OVERLAP.

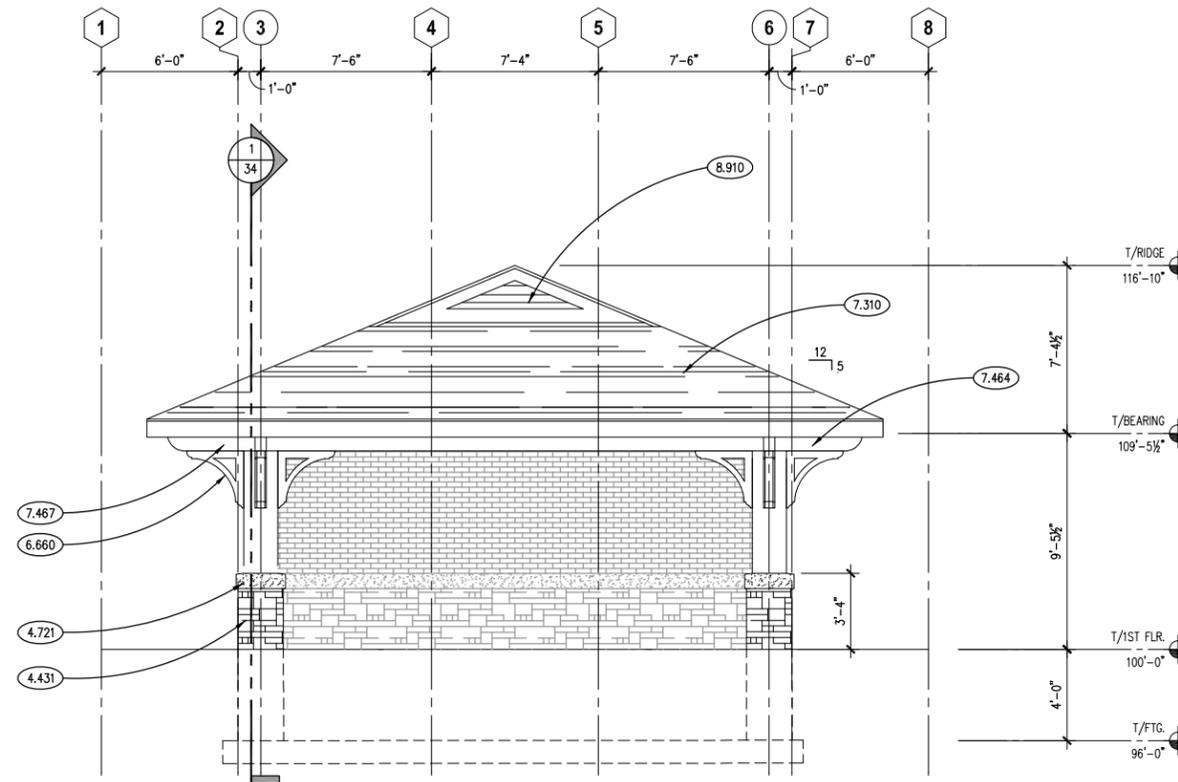
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PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT		49	35
CONTRACT NO. 61H18			ILLINOIS FED. AID PROJECT	

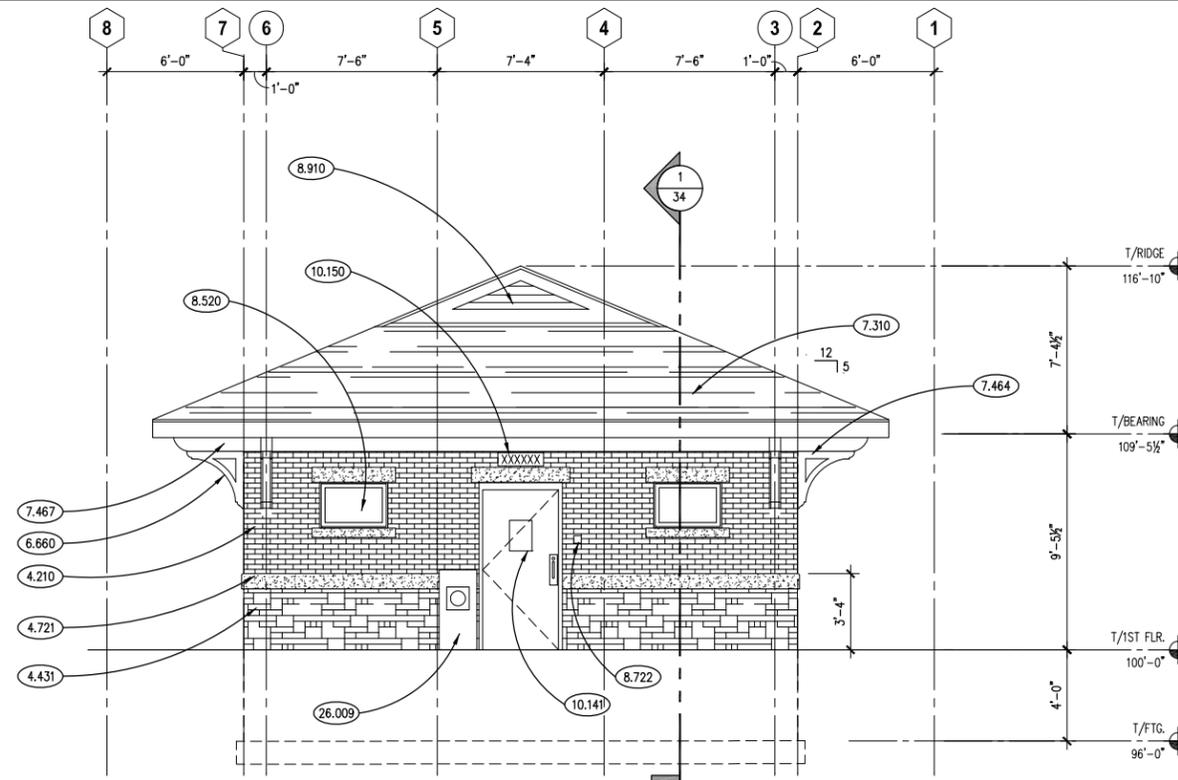
KEYNOTES

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- 4.210 BRICK MASONRY: MODULAR TYPE "B-1"; REFER TO SPECIFICATIONS.
- 4.431 STONE MASONRY VENEER: 3-1/2" (NOM) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- 4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; SLOPE TOP TO DRAIN AS SHOWN; PROVIDE UNITS WITH FINISHED ENDS AT BUTT-JOINTED CORNERS; RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD AND TOP JOINTS.
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- 7.310 ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
- 7.464 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN; 9/16" WIDE X 3/4" THK.; REFER TO SPECIFICATIONS.
- 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.
- 8.520 CLAD WOOD WINDOWS: FIXED PICTURE WINDOW UNIT TYPE WITH INSULATED, TEMPERED AND NON-VISION FROSTED GLASS; MUTTINS AS INDICATED. PRIMED WOOD INTERIOR FOR FIELD PAINT FINISH; REFER TO SPECIFICATIONS.
- 8.722 KNOX BOX BY GENERAL CONTRACTOR: FULLY-RECESSED IN MASONRY; COORDINATE MOUNTING LOCATION AT BUILDING ENTRANCE WITH AUTHORITY HAVING JURISDICTION.
- 8.910 WALL LOUVER/VENT - GABLE TYPE: STATIONARY DRAINABLE BLADES; FLANGED FRAME; INSECT SCREEN; REFER TO SPECIFICATIONS. SIZE AS SHOWN.
- 10.141 SIGNAGE: FLAT SIGN; EQUIPMENT ROOM; 6" X 9" SIZE. "EQUIPMENT ROOM" WORDING. DOOR MOUNTED.
- 10.150 SIGNAGE: SIX CHARACTERS; ADDRESS TO BE DETERMINED; GEMINI INC. OR APPROVED EQUAL; CAST ALUMINUM 6" HIGH; DARK BRONZE ANODIZED; FIELD VERIFY W/ OWNER FOR FINAL LOCATION.
- 26.009 ELECTRICAL METER; REFER TO ELECTRICAL DRAWINGS.



NORTH ELEVATION ②
SCALE: 1/4" = 1'-0"



SOUTH ELEVATION ①
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.
2. COORDINATE LOCATIONS OF WALL-MOUNTED MECHANICAL, PLUMBING AND ELECTRICAL ITEMS TO ENSURE NO OVERLAP.

Kluber
ENGINEERING RESOURCE ASSOCIATES

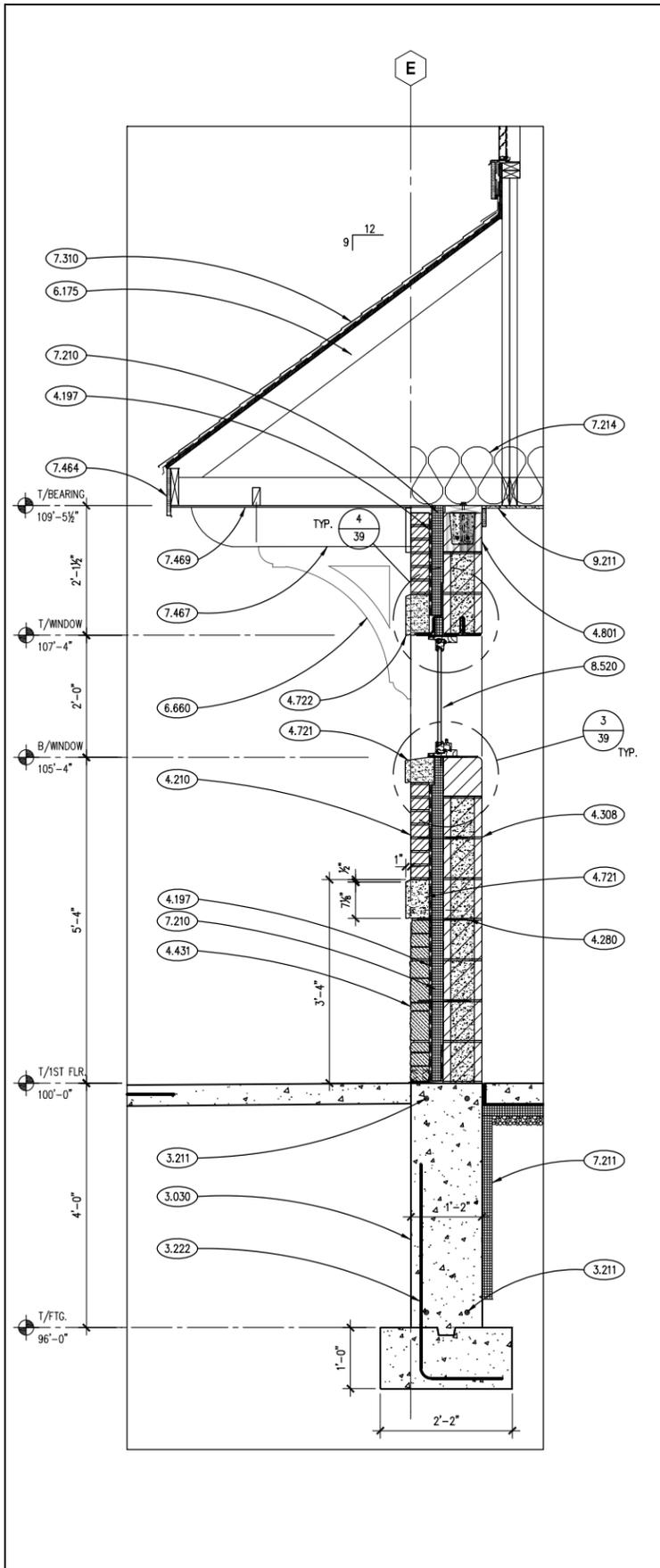
USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

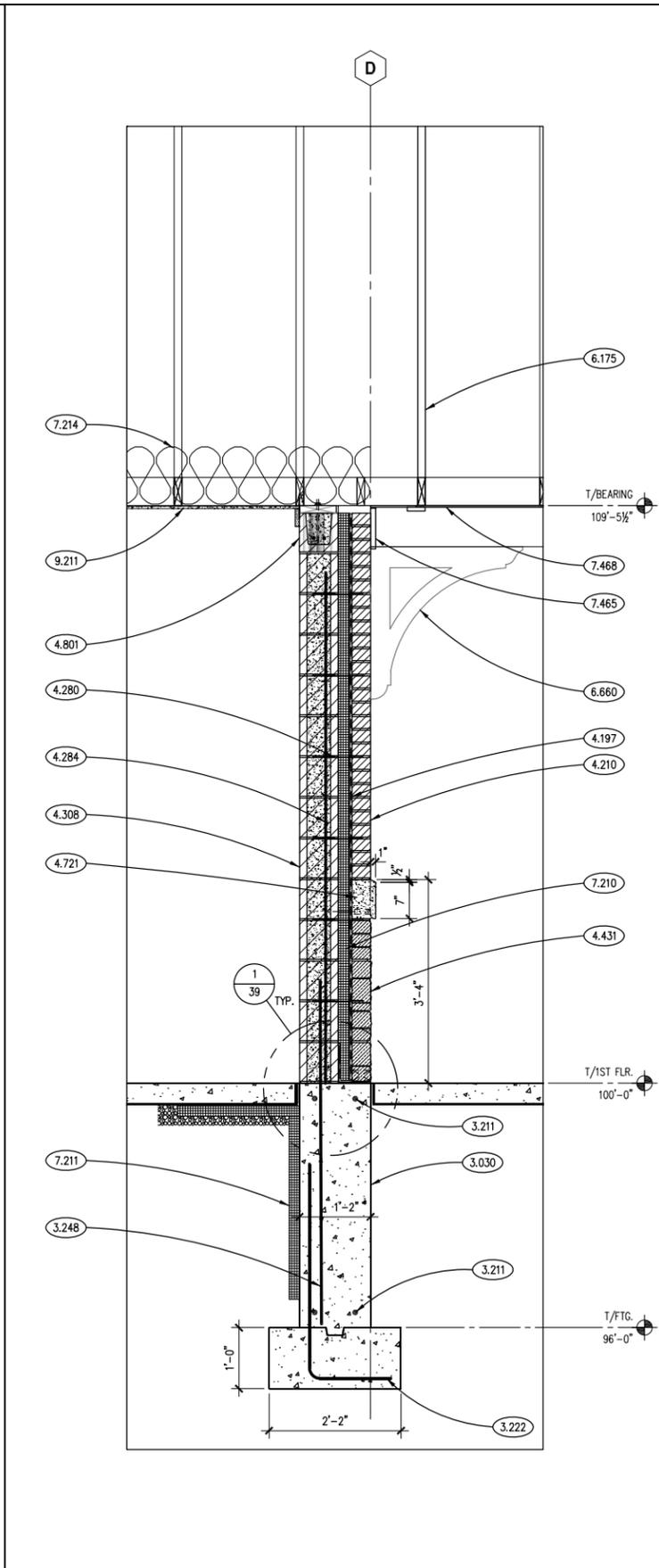
WARRENVILLE TRAILHEAD TOILET BUILDING
EXTERIOR ELEVATIONS

SCALE: AS INDICATED | SHEET NO. 9 OF 22 SHEETS | STA. 8+66 TO STA. 9+01

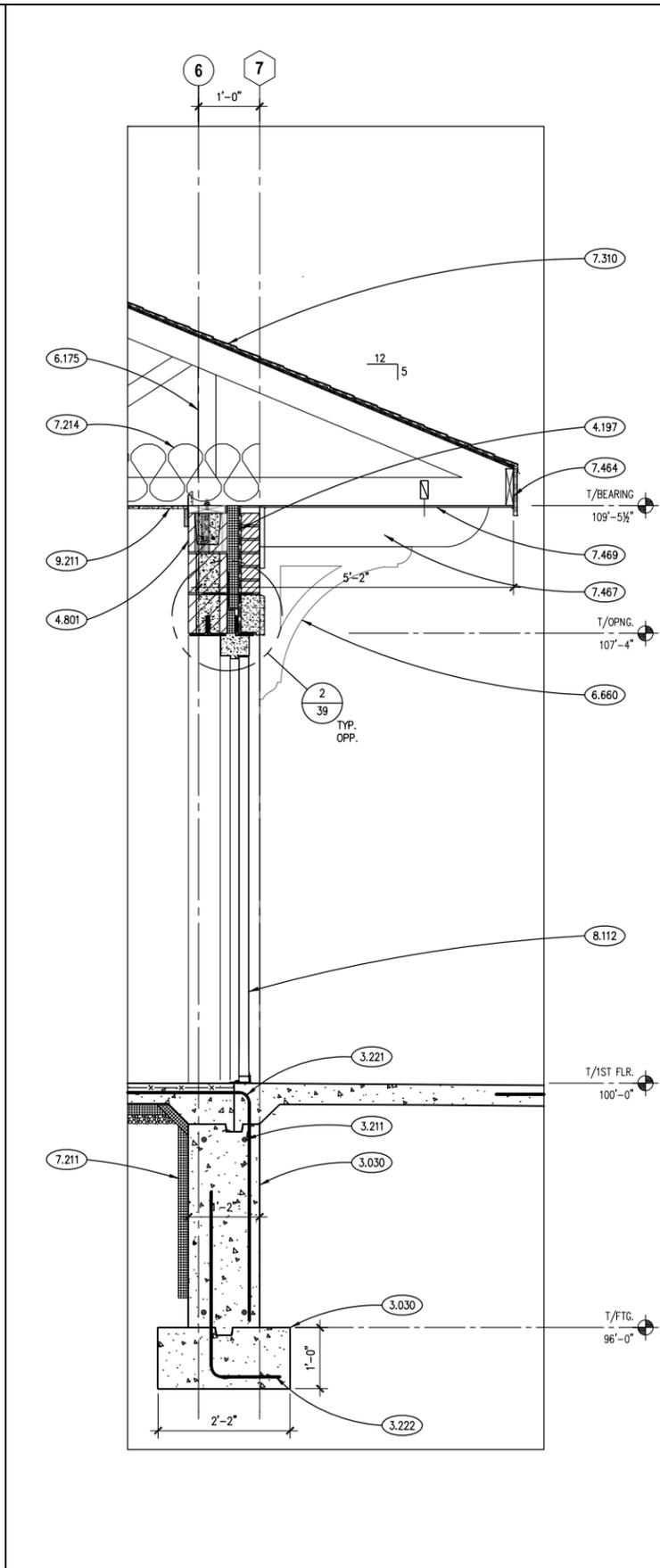
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT		49	36
CONTRACT NO. 61H18			ILLINOIS FED. AID PROJECT	



WALL SECTION 3
SCALE: 3/4" = 1'-0"



WALL SECTION 2
SCALE: 3/4" = 1'-0"



WALL SECTION 1
SCALE: 3/4" = 1'-0"

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 3.030 CAST-IN-PLACE CONCRETE: FOUNDATION WALL AND FOOTING AS INDICATED.
- 3.211 CONCRETE REINFORCING: CONTINUOUS WALL/FOOTING REINFORCING. REFER TO SECTIONS AND SCHEDULES. PROVIDE (2)-#5 BARS U.N.O. OR DEPICTED.
- 3.221 CONCRETE REINFORCING: #4 DOWELS @ 1'-0" O.C. HORIZONTAL LEG= 2'-6", VERTICAL LEG= 2'-6" U.N.O.
- 3.222 CONCRETE REINFORCING: #5 DOWELS @ 2'-0" O.C. HORIZONTAL LEG= AS DEPICTED, VERTICAL LEG= AS DEPICTED.
- 3.248 CONCRETE REINFORCING: VERTICAL DOWELS #6x6'-0" LG. SPACING TO BE 32" O.C. U.N.O. EMBED 3'-0" INTO FOUNDATION WALL. MASONRY CONTRACTOR TO GROUT CMU CORES SOLID AT PORTION OF BAR EMBEDDED IN CMU.
- 4.197 MASONRY ACCESSORY: FULL WALL HEIGHT MORTAR DROPPING CONTROL DEVICE. REFER TO SPECIFICATIONS.
- 4.210 BRICK MASONRY: MODULAR TYPE "B-1"; REFER TO SPECIFICATIONS.
- 4.280 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT; 16" O.C. VERTICAL SPACING.
- 4.284 MASONRY ANCHORAGE AND REINFORCEMENT: FULL HEIGHT REINFORCING BARS; SET WITH REBAR POSITIONERS. REFER TO PLANS AND SCHEDULES FOR SIZE, QUANTITY AND SPACING. GROUT SOLID INTO PLACE.
- 4.308 CONCRETE BLOCK MASONRY: 8" (NOM.) THK.; RUNNING BOND.
- 4.431 STONE MASONRY VENEER: 3-1/2" (NOM.) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- 4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; SLOPE TOP TO DRAIN AS SHOWN; PROVIDE UNITS WITH FINISHED ENDS AT BUTT-JOINTED CORNERS; RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD AND TOP JOINTS.
- 4.722 CAST STONE MASONRY: HEADER COURSE; 8" HIGH (NOM.) X OPENING WIDTH PLUS 6" BEARING EACH END X 4" (NOM.) THK.; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; REFER TO SPECIFICATIONS.
- 4.801 MASONRY ASSEMBLY: CONTINUOUS BOND BEAM WITH REINFORCING AND GROUT. PROVIDE (2)-#4 BARS U.N.O. COORDINATE ELEVATION WITH BEARING CONDITIONS AND ADJACENT WALL CONSTRUCTION.
- 6.175 PRE-FABRICATED WOOD TRUSSES: PITCH AS SHOWN; @ 24" O.C.; REFER TO SPECIFICATIONS.
- 6.660 CUSTOM SIMULATED ORNAMENTAL WOODWORK: BASIS OF DESIGN: FYPON INC., COMPOSITE PVC PLASTIC ENCASED DECORATIVE BRACKET; SIZE: 30 X 30 X 6; MODEL NUMBER: BKT30X30 OR CUSTOM SHAPED PRODUCTS TO MATCH BASIS OF DESIGN UNIT BY HARDIE BOYS OR EKENA MILLWORK; TYPICAL OF 24; SECURE TO STRUCTURE WITH MANUFACTURERS' RECOMMENDED FASTENERS AND ADHESIVES. WHERE FASTENERS ARE USED, COUNTERSINK AND PLUG HOLES WITH WOOD BUTTON PLUGS PRIOR TO PAINTING.
- 7.210 INSULATION: BOARD; EXTRUDED POLYSTYRENE (XPS); MIN. R-5.4 PER INCH THICKNESS; 2.25" THICK; 25 PSI DENSITY. (CAVITY WALL).
- 7.211 INSULATION: BOARD; EXTRUDED POLYSTYRENE (XPS); MIN. R-5.4 PER INCH THICKNESS; 2" THICK; 60 PSI DENSITY; 2'-0" WIDE. (FOUNDATION & UNDER SLAB).
- 7.214 INSULATION: THERMAL BATT; KRAFT FACED; ATTIC BATT; 12" THICKNESS; R-38.
- 7.310 ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
- 7.464 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN: 9 1/4" WIDE X 3 3/4" THK.; REFER TO SPECIFICATIONS.
- 7.465 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN: 11 1/4" WIDE X 3 3/4" THK.; REFER TO SPECIFICATIONS.
- 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL: 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.
- 7.468 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL: 1/4" THICK SOLID; REFER TO SPECIFICATIONS.
- 7.469 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL: 1/4" THICK VENTED; REFER TO SPECIFICATIONS.
- 8.112 STEEL DOOR: INSULATED. REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- 8.520 CLAD WOOD WINDOWS: FIXED PICTURE WINDOW UNIT TYPE WITH INSULATED, TEMPERED AND NON-VISION FROSTED GLASS; MUTTINS AS INDICATED. PRIMED WOOD INTERIOR FOR FIELD PAINT FINISH; REFER TO SPECIFICATIONS.
- 9.211 GYPSUM BOARD: 5/8" THICK; MOISTURE RESISTANT.

GENERAL NOTES

1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.
2. REFER TO BUILDING SECTION DRAWINGS FOR TOP OF FLOOR AND TOP OF MASONRY ELEVATIONS.
3. REFER TO STRUCTURAL LINTEL DRAWINGS FOR BOTTOM OF LINTEL ELEVATIONS.

Kluber
ENGINEERING RESOURCE ASSOCIATES

USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISD -
PLOT SCALE = 3/4" = 1'-0"	DRAWN - PJT	REVISD -
PLOT DATE = 12/13/2021	CHECKED - CJH	REVISD -
	DATE - 12/13/2021	REVISD -

DESIGNED - CJH	REVISD -
DRAWN - PJT	REVISD -
CHECKED - CJH	REVISD -
DATE - 12/13/2021	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
WALL SECTIONS

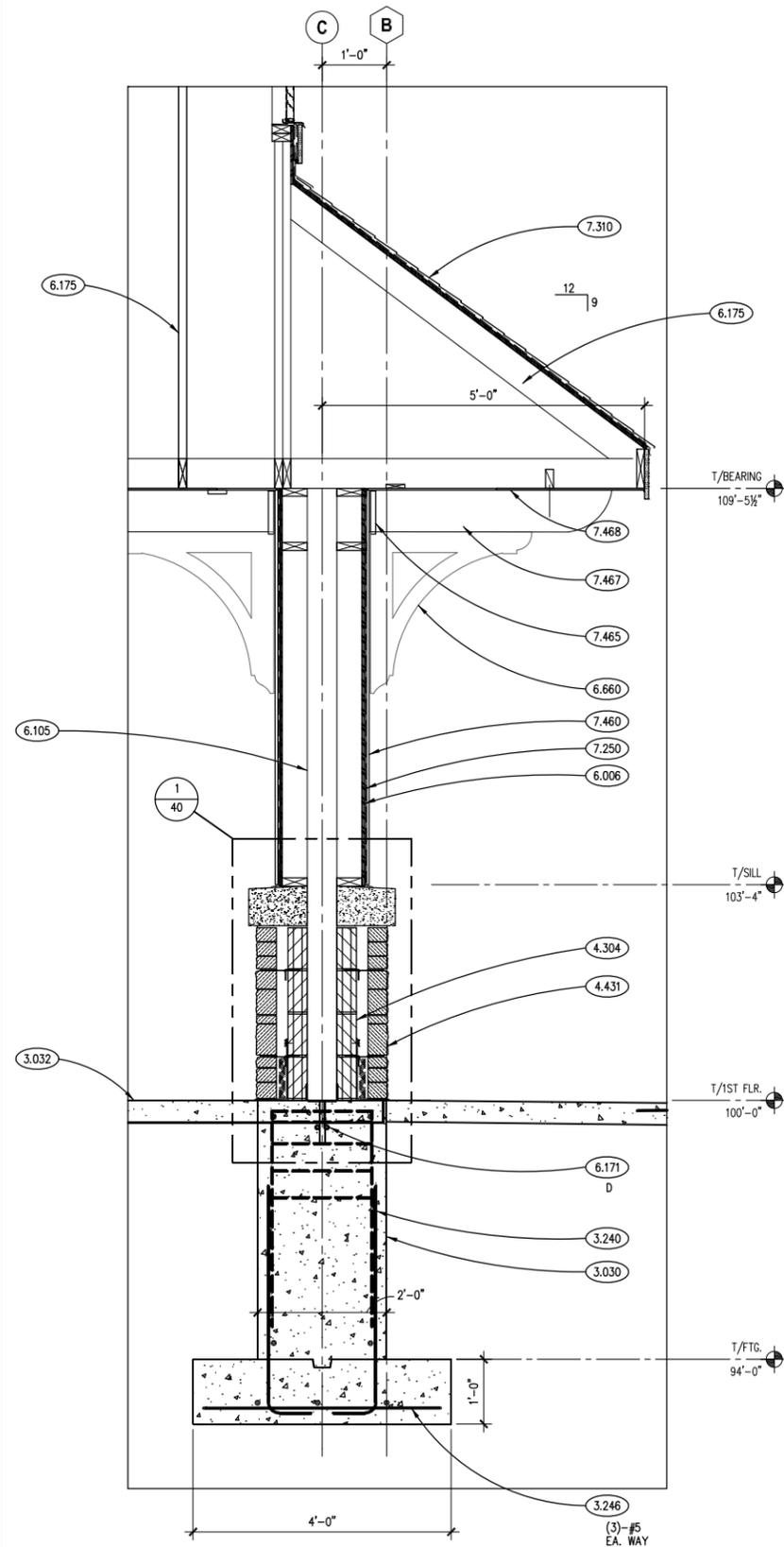
SCALE: AS INDICATED SHEET NO. 10 OF 22 SHEETS STA. 8+66 TO STA. 9+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H18	

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 3.030 CAST-IN-PLACE CONCRETE: FOUNDATION WALL AND FOOTING AS INDICATED.
- 3.032 CAST-IN-PLACE CONCRETE: SLAB-ON-GRADE INFILL; 5" THICK, MIN.; DOMEL INTO EXISTING ADJACENT SLAB USING 2'-0" LONG #4 BARS AT 1'-0" O.C.
- 3.240 CONCRETE REINFORCING: #5 VERTICAL BARS HOOKED INTO FOOTING (QUANTITY AS DEPICTED) AND #3 TIES @ FOLLOWING SPACING..(3) @ 2", (1) @ 4", R @ 12" U.N.O. PIER DIMENSIONS AS NOTED.
- 3.246 CONCRETE REINFORCING: PROVIDE AS NOTED.
- 4.304 CONCRETE BLOCK MASONRY: 4" (NOM.) THK.; RUNNING BOND.
- 4.431 STONE MASONRY VENEER: 3-1/2" (NOM.) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- 6.006 ROUGH CARPENTRY: PLYWOOD; 1/2" THICK; REFER TO SPECIFICATIONS FOR TREATMENT.
- 6.105 WOOD FRAMING: FULL HEIGHT POST/COLUMN. 6" X 6" (NOM.) SEE PLAN, SCHEDULE AND DETAILS FOR SPECIES AND QUANTITY.
- 6.175 PRE-FABRICATED WOOD TRUSSES: PITCH AS SHOWN; @ 24" O.C.; REFER TO SPECIFICATIONS.
- 6.171 WOOD FRAMING ACCESSORY: LIGHT GAUGE WOOD CONSTRUCTION CONNECTOR AS NOTED MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NAIL TYPE AND QUANTITIES RESULTING IN THE MAXIMUM TABULATED CAPACITIES.
- 6.660 CUSTOM SIMULATED ORNAMENTAL WOODWORK: BASIS OF DESIGN: FYPON INC., COMPOSITE PVC PLASTIC ENCASED DECORATIVE BRACKET; SIZE: 30 X 30 X 6; MODEL NUMBER: BKT30X30 OR CUSTOM SHAPED PRODUCTS TO MATCH BASIS OF DESIGN UNIT BY HARDIE BOYS OR EKENA MILLWORK; TYPICAL OF 24; SECURE TO STRUCTURE WITH MANUFACTURERS RECOMMENDED FASTENERS AND ADHESIVES. WHERE FASTRENERS ARE USED, COUNTERSINK AND PLUG HOLES WITH WOOD BUTTON PLUGS PRIOR TO PAINTING.
- 7.250 WEATHER BARRIER: AIR BARRIER COATING; INSTALL TO OUTER FACE OF CONCRETE MASONRY UNITS AT CAVITY WALL CONSTRUCTION. REFER TO SPECIFICATIONS.
- 7.310 ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
- 7.460 FIBER CEMENT SIDING: 5/16" THK. PANEL SIDING.
- 7.465 FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAWN; 11/4" WIDE X 3/4" THK.; REFER TO SPECIFICATIONS.
- 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.
- 7.468 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; REFER TO SPECIFICATIONS.



GENERAL NOTES

1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.
2. REFER TO BUILDING SECTION DRAWINGS FOR TOP OF FLOOR AND TOP OF MASONRY ELEVATIONS.
3. REFER TO STRUCTURAL LINTEL DRAWINGS FOR BOTTOM OF LINTEL ELEVATIONS.

BUILDING SECTION 1

SCALE: 3/4" = 1'-0"



Kluber, Inc.
10000 N. 10th Street
Scottsdale, AZ 85260
www.kluber.com



USER NAME = Parnell Tesoro	DESIGNED - CJH	REVISED -
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PLOT DATE = 12/13/2021	CHECKED - CJH	REVISED -
	DATE - 12/13/2021	REVISED -

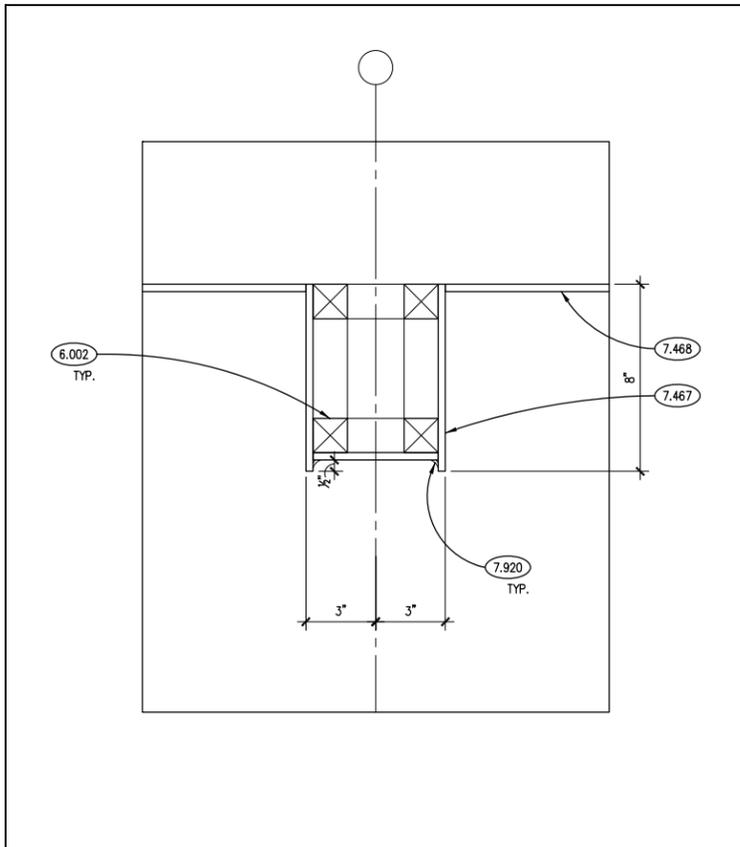
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
WALL SECTIONS

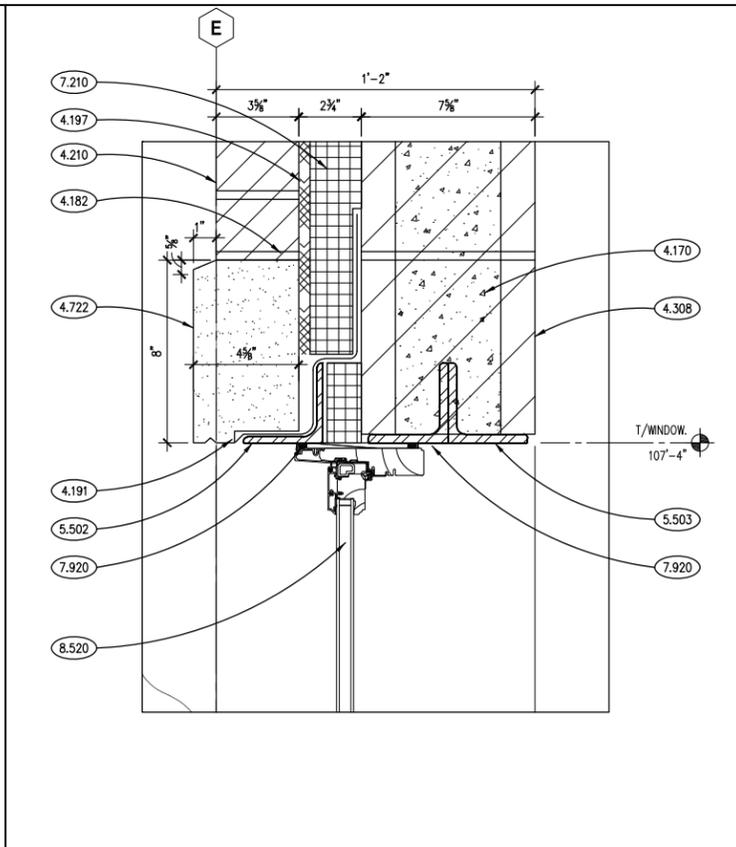
SCALE: AS INDICATED | SHEET NO. 11 OF 22 SHEETS | STA. 8+66 TO STA. 9+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	38
CONTRACT NO. 61H18			ILLINOIS FED. AID PROJECT	

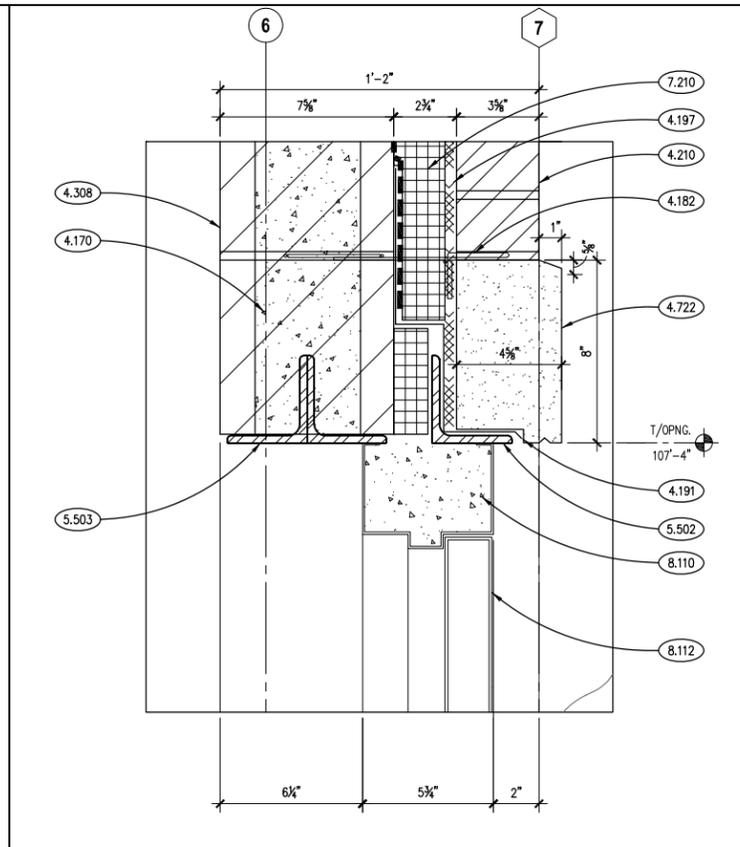
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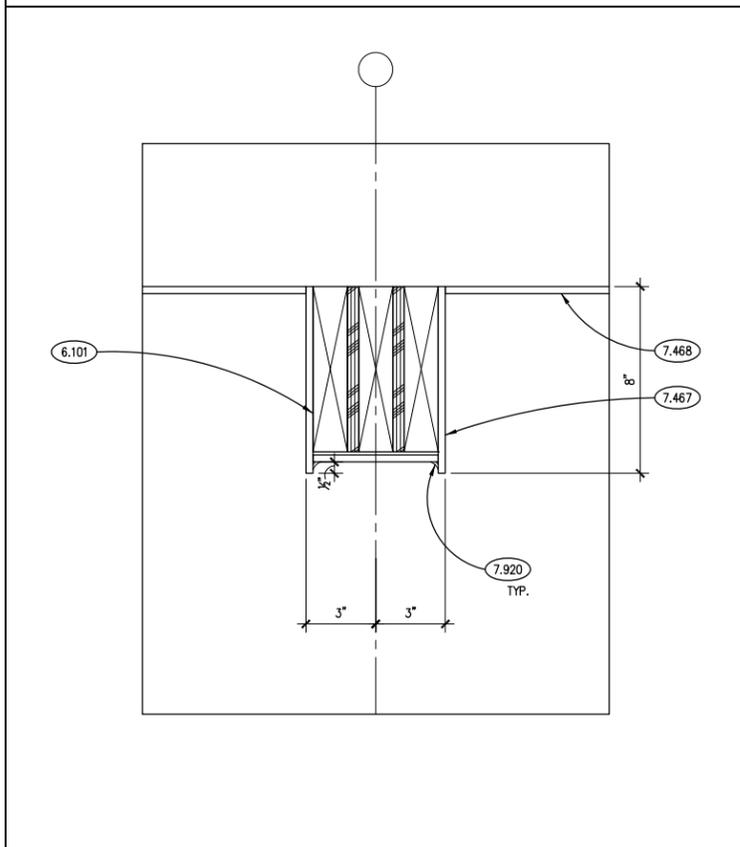
FAKE BEAM ENCLOSURE 6
SCALE: 3" = 1'-0"



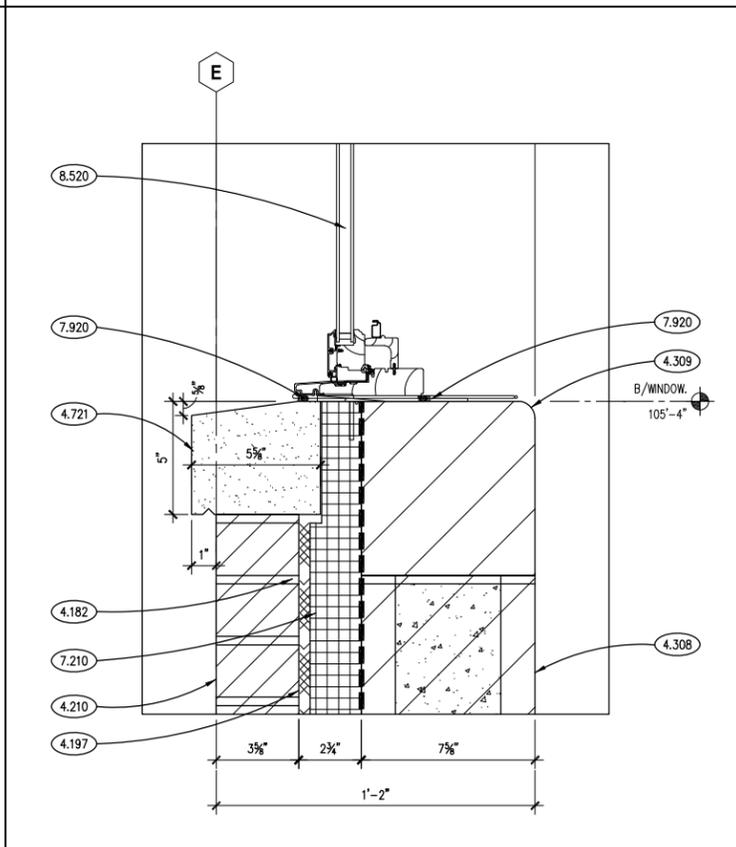
WINDOW HEAD 4
SCALE: 3" = 1'-0"



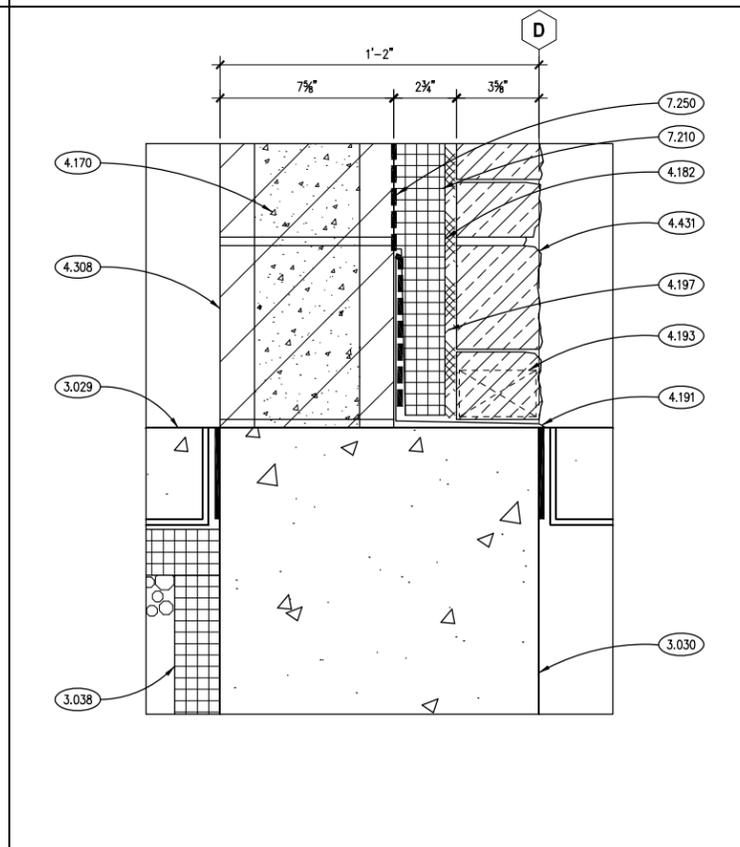
DOOR HEAD 2
SCALE: 3" = 1'-0"



BEAM ENCLOSURE 5
SCALE: 3" = 1'-0"



WINDOW SILL 3
SCALE: 3" = 1'-0"



DETAIL SECTION 1
SCALE: 3" = 1'-0"

KEYNOTES

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- 3.029 CAST-IN-PLACE CONCRETE FLOOR SLAB.
- 3.030 CAST-IN-PLACE CONCRETE: FOUNDATION WALL AND FOOTING AS INDICATED.
- 3.038 CAST-IN-PLACE CONCRETE ACCESSORY: RIGID BOARD INSULATION; 2" THK. EXTRUDED POLYSTYRENE (XPS); MIN. R-5.4 PER INCH THICKNESS; 60 PSI COMPRESSIVE STRENGTH FOR HORIZONTAL APPLICATIONS; 25 PSI FOR VERTICAL APPLICATIONS.
- 4.170 MASONRY GROUT: CONTINUOUS GROUTED SOLID MASONRY COURSES. REFER TO SPECIFICATIONS.
- 4.182 MASONRY ANCHORAGE AND REINFORCEMENT: FLEXIBLE MASONRY TIE.
- 4.191 MASONRY ACCESSORY: THROUGH-WALL FLASHING; RUBBERIZED ASPHALT SHEET WITH TERMINATION BAR AT TOP AND STAINLESS STEEL DRIP EDGE AT BOTTOM; HOLD BACK RUBBERIZED ASPHALT SHEET AT LEAST 1 INCH FROM EXTERIOR FACE OF WALL.
- 4.193 MASONRY ACCESSORY: WEEP VENT.
- 4.197 MASONRY ACCESSORY: FULL WALL HEIGHT MORTAR DROPPING CONTROL DEVICE. REFER TO SPECIFICATIONS.
- 4.210 BRICK MASONRY: MODULAR TYPE "B-1"; REFER TO SPECIFICATIONS.
- 4.308 CONCRETE BLOCK MASONRY: 8" (NOM.) THK.; RUNNING BOND.
- 4.309 CONCRETE BLOCK MASONRY: 8" (NOM.) THK.; SOLID W/ BULLNOSE EDGE.
- 4.431 STONE MASONRY VENEER: 3-1/2" (NOM.) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- 4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; SLOPE TOP TO DRAIN AS SHOWN; PROVIDE UNITS WITH FINISHED ENDS AT BUTT-JOINTED CORNERS; RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD AND TOP JOINTS.
- 4.722 CAST STONE MASONRY: HEADER COURSE; 8" HIGH (NOM.) X OPENING WIDTH PLUS 6" BEARING EACH END X 4" (NOM.) THK.; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; REFER TO SPECIFICATIONS.
- 5.502 METAL FABRICATION: SINGLE STEEL LINTEL; L3X3X1/4; GALVANIZED; 6" BEARING EA. END.
- 5.503 METAL FABRICATION: DOUBLE STEEL LINTEL; L3X3X1/4; GALVANIZED; 6" BEARING EA. END.
- 6.002 ROUGH CARPENTRY: WOOD BLOCKING; DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SCHEDULE FOR TREATMENT.
- 6.101 WOOD FRAMING: BEAM/HEADER. SEE PLAN, SCHEDULE AND DETAILS FOR SIZE AND SPECIES. FURR OUT SIDES TO DIMENSIONS SHOWN TO ALLOW FOR FIBER CEMENT SIDING ENCASEMENT.
- 7.210 INSULATION: BOARD; EXTRUDED POLYSTYRENE (XPS); MIN. R-5.4 PER INCH THICKNESS; 2.25" THICK; 25 PSI DENSITY. (CAVITY WALL).
- 7.250 WEATHER BARRIER: AIR BARRIER COATING; INSTALL TO OUTER FACE OF CONCRETE MASONRY UNITS AT CAVITY WALL CONSTRUCTION. REFER TO SPECIFICATIONS.
- 7.467 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; USED TO ENCASE STRUCTURAL BEAM MEMBERS AND TO CONCEAL STRUCTURAL BEAM MEMBERS AND TO CREATE FALSE BEAM CONSTRUCTION OVER 2X FRAMING; REFER TO SPECIFICATIONS.
- 7.468 FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL; 1/4" THICK SOLID; REFER TO SPECIFICATIONS.
- 7.920 JOINT SEALANT: REFER TO SCHEDULE IN SPECIFICATION SECTION 07 92 00; PROVIDE BACKER ROD OR BOND BREAKER.
- 8.110 STEEL DOOR FRAME: GROUTED SOLID. REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- 8.112 STEEL DOOR: INSULATED. REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- 8.520 CLAD WOOD WINDOWS: FIXED PICTURE WINDOW UNIT TYPE WITH INSULATED, TEMPERED AND NON-VISION FROSTED GLASS; MUTTINS AS INDICATED. PRIMED WOOD INTERIOR FOR FIELD PAINT FINISH; REFER TO SPECIFICATIONS.

GENERAL NOTES

1. REFER TO DRAWING 1 FOR PROJECT GENERAL NOTES FOR TOILET BUILDING.
2. REFER TO BUILDING SECTION DRAWINGS FOR TOP OF FLOOR AND TOP OF MASONRY ELEVATIONS.
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Kluber
ENGINEERING RESOURCE ASSOCIATES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
DETAILS

SCALE: 3" = 1'-0" SHEET NO. 12 OF 22 SHEETS STA. 8+66 TO STA. 9+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	39
ILLINOIS / FED. AID PROJECT			CONTRACT NO. 61H18	

DOOR AND FRAME SCHEDULE

ROOM NO.	ROOM NAME	DOOR NO.	QTY.	W	H	THK.	TYPE	HAND	MAT.	DOOR						FRAME				DETAILS			HOWR SET	FIRE RATING (MIN.)	REMARKS					
										STEEL DOORS			WOOD DOORS			FINISH	GLASS	TYPE	MAT.	GA.	FINISH	GLASS				HEAD	JAMB	SILL		
										GA.	MDL.	CORE	GRD.	CORE	VEENER														CUT	MATCH
100	UNISEX TOILET ROOM	100.1	1	3'-4"	7'-0"	1-3/4"	F	LHR	STL	16	1	PU	-	-	-	-	-	P3	-	1	STL	16	P3	-	2/42	-	1/40	1	-	
101	UTILITY ROOM	101.1	1	3'-4"	7'-0"	1-3/4"	F	LHR	STL	16	1	PU	-	-	-	-	-	P3	-	1	STL	16	P3	-	2/42	-	1/40	2	-	
102	UNISEX TOILET ROOM	102.1	1	3'-4"	7'-0"	1-3/4"	F	RHR	STL	18	1	PU	-	-	-	-	-	P3	-	1	STL	16	P3	-	2/42	-	1/40	1	-	

HARDWARE SCHEDULE

SET NO.	HINGES	LOCK SET	EXIT DEVICE	CLOSER	HOLDER	STOP	THRES-HOLD	KICK PLATE	MOP PLATE	WEATHER STRIPPING	SWEEP	PUSH/PULL	REMOV. MULLION	REMARKS
1	CONTINUOUS	YES*	-	YES	-	IN CLOSER	YES	YES	-	YES	YES	YES	-	1. NOTE: EXTRA HEAVY DUTY & THERMALLY INSULATED DOOR. DOOR SHALL HAVE FULL CLOSURE TOP - NO RECESS.
2	CONTINUOUS	YES*	-	YES	-	IN CLOSER	YES	YES	-	YES	YES	YES	-	2. NOTE: EXTRA HEAVY DUTY & THERMALLY INSULATED DOOR. DOOR SHALL HAVE FULL CLOSURE TOP - NO RECESS.

HARDWARE SCHEDULE REMARKS

- ENTRY MORTISE DEAD LOCK WITH "OCCUPIED" INDICATOR AND ADA INTERIOR THUMB TURN AND DOOR CYLINDER EXTERIOR. HEAVY DUTY DOOR CLOSER WITH SPRING STOP ARM, EXTERIOR OFFSET PULL TRIM WITH INTERIOR PUSH PLATE. CONTINUOUS HINGES, THERMAL BREAK ADA THRESHOLD WITH STOP, DOOR SWEEP AND WEATHERSTRIPPING. REFER TO SPECIFICATIONS FOR DOOR HARDWARE MOUNTING HEIGHTS.
- ENTRY MORTISE DEAD LOCK WITH "LOCKED" INDICATOR AND ADA INTERIOR THUMB TURN AND DOOR CYLINDER EXTERIOR. HEAVY DUTY DOOR CLOSER WITH SPRING STOP ARM, EXTERIOR OFFSET PULL TRIM WITH INTERIOR PUSH PLATE. CONTINUOUS HINGES, THERMAL BREAK ADA THRESHOLD WITH STOP, DOOR SWEEP AND WEATHERSTRIPPING. REFER TO SPECIFICATIONS FOR DOOR HARDWARE MOUNTING HEIGHTS.

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS								CEILING		REMARKS		
		FIN.	CC.	FIN.	CC.	NORTH		SOUTH		EAST		WEST		FIN.	CC.			
						FIN.	CC.	FIN.	CC.	FIN.	CC.	FIN.	CC.					
100	UNISEX TOILET ROOM	F1		B1		P1		P1		P1		P1		P1		C1/P2		1
101	UTILITY ROOM	F2		B2		P1		P1		P1		P1		P1		C1/P2		1
102	UNISEX TOILET ROOM	F1		B1		P1		P1		P1		P1		P1		C1/P2		1

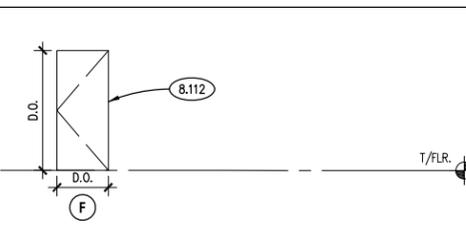
FINISH TYPES

AREA	FIN.	DESCRIPTION	AREA	FIN.	DESCRIPTION
FLOOR	F1	FLUID-APPLIED FLOORING	CEILING	C1	CYP. BD.; 5/8" THK.; MOISTURE RESISTANT
	F2	SEALED CONCRETE			
BASE	B1	INTEGRAL FLUID-APPLIED; 6" HIGH COVE	PAINT	P1	LATEX - "SEMI-GLOSS" - CMU WALLS
	B2	VINYL; 4" HIGH COVE		P2	LATEX - "FLAT" - INTERIOR CEILINGS
				P3	LATEX - "SATIN" - DOOR AND FRAMES
GLASS	SG1	SEALED, INSULATED GLASS			

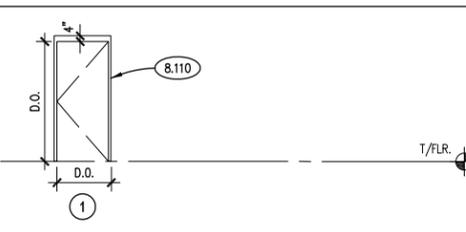
FINISH SCHEDULE REMARKS

- COLOR SELECTIONS WILL BE DETERMINED AT A LATER DATE AND ISSUED BY ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS.

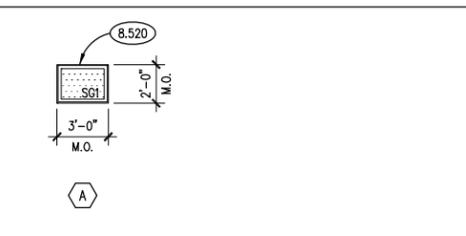
DOOR TYPES



FRAME TYPES



WINDOW TYPES



KEYNOTES

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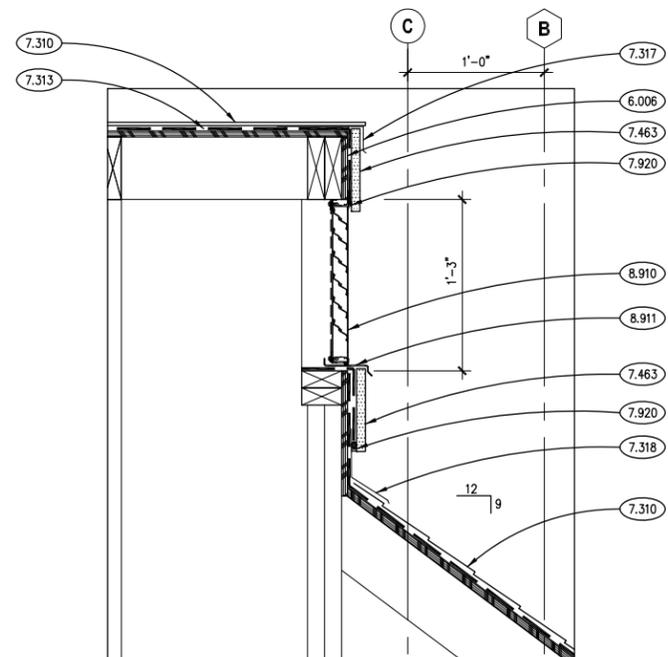
- CAS-IN-PLACE CONCRETE JOINT DEVICE/FILLER: SLAB ISOLATION JOINT FILLER. COORDINATE LOCATIONS WITH DOORS WHERE APPLICABLE.
- MASONRY ACCESSORY: THROUGH-WALL FLASHING; RUBBERIZED ASPHALT SHEET WITH TERMINATION BAR AT TOP AND STAINLESS STEEL DRIP EDGE AT BOTTOM; HOLD BACK RUBBERIZED ASPHALT SHEET AT LEAST 1 INCH FROM EXTERIOR FACE OF WALL.
- MASONRY ACCESSORY: WEEP VENT.
- MASONRY ACCESSORY: MORTAR DROPPING CONTROL DEVICE.
- MASONRY ACCESSORY: TERMINATION BAR WITH SEALANT.
- CONCRETE BLOCK MASONRY: 4" (NOM.) THK.; RUNNING BOND.
- STONE MASONRY VENEER: 3-1/2" (NOM.) THK.; ASHLAR BOND; SAW-CUT BACKS. REFER TO SPECIFICATIONS.
- CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES; SLOPE TOP TO DRAIN AS SHOWN; PROVIDE UNITS WITH FINISHED ENDS AT BUTT-JOINTED CORNERS; RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD AND TOP JOINTS.
- ROUGH CARPENTRY: WOOD BLOCKING; DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SCHEDULE FOR TREATMENT.
- ROUGH CARPENTRY: PLYWOOD: 1/2" THICK; REFER TO SPECIFICATIONS FOR TREATMENT.
- WOOD FRAMING: FULL HEIGHT POST/COLUMN. 6" X 6" (NOM.) SEE PLAN, SCHEDULE AND DETAILS FOR SPECIES AND QUANTITY.
- WOOD FRAMING: 5/8" THICK APA RATED SHEATHING. FASTENER TYPE, SPACING: 10d NAILS @ 6" O.C. (EDGES), 12" (FIELD). REFER TO SPECIFICATIONS FOR TREATMENT.
- WOOD FRAMING ACCESSORY: LIGHT GAUGE WOOD CONSTRUCTION CONNECTOR AS NOTED MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NAIL TYPE AND QUANTITIES RESULTING IN THE MAXIMUM TABULATED CAPACITIES.
- WEATHER BARRIER: AIR BARRIER COATING; INSTALL TO OUTER FACE OF CONCRETE MASONRY UNITS AT CAVITY WALL CONSTRUCTION. REFER TO SPECIFICATIONS.
- ASPHALT SHINGLE ROOFING SYSTEM: REFER TO SPECIFICATIONS.
- ASPHALT SHINGLES SHEET MATERIAL: UNDERLAYMENT.
- ASPHALT SHINGLES METAL FLASHING: RAKE EDGE FLASHING; MATERIAL, THICKNESS AND FINISH AS SPECIFIED.
- ASPHALT SHINGLES METAL FLASHING: BASE FLASHING; MATERIAL, THICKNESS AND FINISH AS SPECIFIED.
- FIBER CEMENT SIDING: TRIM BOARD; ROUGHSAW: 7/8" WIDE X 3/4" THK.; REFER TO SPECIFICATIONS.
- FIBER CEMENT SIDING: SOFFIT PANELS; CEDARMILL: 1/4" THICK SOLID; REFER TO SPECIFICATIONS.
- FIBER CEMENT SIDING ACCESSORY: PREFINISHED SHEET METAL FLASHING; SILL FLASHING SET INTO BED OF SEALANT ON UNDERSIDE OF FLASHING. VERTICAL FLASHING LEG SHALL BE 4 INCHES MINIMUM. TUCK FLASHING UNDER WEATHER BARRIER AND TAPE OFF TO FLASHING. TYPICAL.
- JOINT SEALANT: REFER TO SCHEDULE IN SPECIFICATION SECTION 07 92 00; PROVIDE BACKER ROD OR BOND BREAKER.
- STEEL DOOR FRAME: GROUTED SOLID. REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- STEEL DOOR: INSULATED. REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- CLAD WOOD WINDOWS: FIXED PICTURE WINDOW UNIT TYPE WITH INSULATED, TEMPERED AND NON-VISION FROSTED GLASS; MUTJINS AS INDICATED. PRIMED WOOD INTERIOR FOR FIELD PAINT FINISH; REFER TO SPECIFICATIONS.
- WALL LOUVER/VENT - GABLE TYPE: STATIONARY DRAINABLE BLADES; FLANGED FRAME; INSECT SCREEN; REFER TO SPECIFICATIONS. SIZE AS SHOWN.
- WALL LOUVER ACCESSORY: SILL PAN WITH END DAMS.

DOOR SCHEDULE ABBREVIATIONS

DOOR / FRAME MATERIAL	STEEL DOOR GAGE	WOOD DOOR GRADE	WOOD DOOR VENEER CUTS
AL ALUMINUM	20 LEVEL 1 - STD. DUTY	P PREMIUM	PS PLAIN SLICED
STL STEEL	18 LEVEL 2 - HEAVY DUTY	C CUSTOM	QS QUARTER SLICED
WD WOOD	16 LEVEL 3 - EXTRA HVY. DUTY	E ECONOMY	RC RIFT CUT
SPECIAL DOOR TYPES	14 LEVEL 4 - MAXIMUM DUTY	WOOD DOOR CORE	R ROTARY CUT
AC ACCORDION	STEEL DOOR MODEL	HC HONEYCOMB	
AP ACCESS PANEL	1 FULL FLUSH	MB MINERAL BOARD	WOOD DOOR VENEER MATCHING
DK DARKROOM REVOLVING	2 SEAMLESS	PCS 5-PLY PARTICLE BOARD	BK BOOK MATCH
HS OVERHEAD HIGH-SPEED	3 STILE & RAIL	SC SOUND-RATED	SL SLIP MATCH
OR OVERHEAD ROLLING	STEEL DOOR CORE		RAN RANDOM MATCH
OS OVERHEAD SECTIONAL	HC HONEYCOMB	WOOD DOOR VENEER	E END MATCH
RV REVOLVING	MB MINERAL BOARD	BW BIRCH - WHITE (SAPWOOD)	CON CONTINUOUS MATCH
SG OVERHEAD SECURITY GRILLE	PS POLYSTYRENE	HB PRIMED HARDBOARD	RUN RUNNING MATCH
DOOR / FRAME FINISHES	PU POLYURETHANE	HPDL DECORATIVE LAMINATE	CB BALANCE MATCH
A ANODIZED	SS STEEL STIFFENERS	MW MAPLE - WHITE (SAPWOOD)	BAL CENTER BALANCE MATCH
P_ PAINTED - SEE FIN. SCHED.		OR RED OAK	P PAIR MATCH
S_ STAINED - SEE FIN. SCHED.		OW WHITE OAK	S SET MATCH
		PO POPLAR	

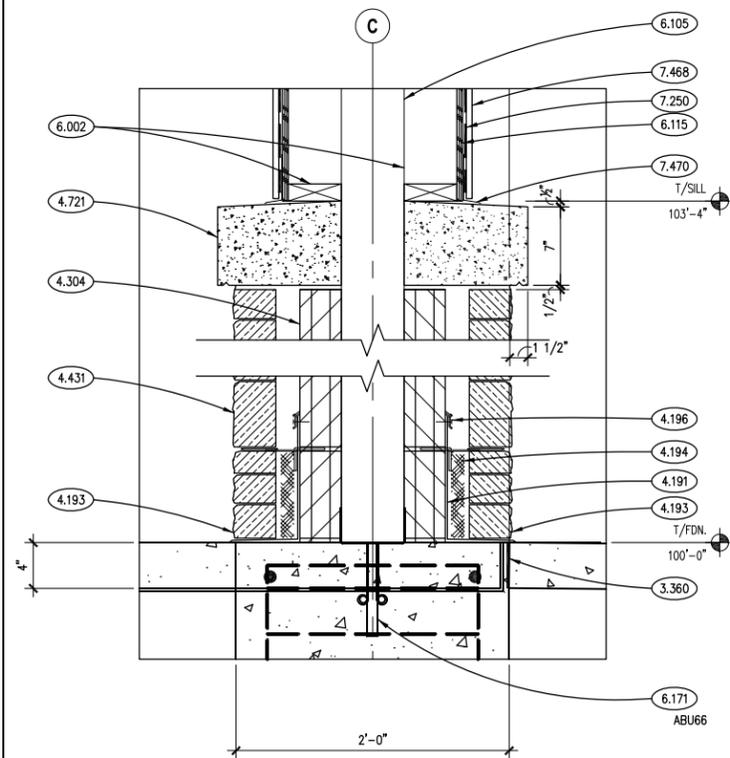
GENERAL NOTES

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LOUVER DETAIL 2

SCALE: 1/2" = 1'-0"



PIER DETAIL 1

SCALE: 1/2" = 1'-0"



USER NAME = Parnell Tesoro
 PLOT SCALE = 1/2" = 1'-0"
 PLOT DATE = 12/13/2021

DESIGNED - CJH
 DRAWN - PJT
 CHECKED - CJH
 DATE - 12/13/2021

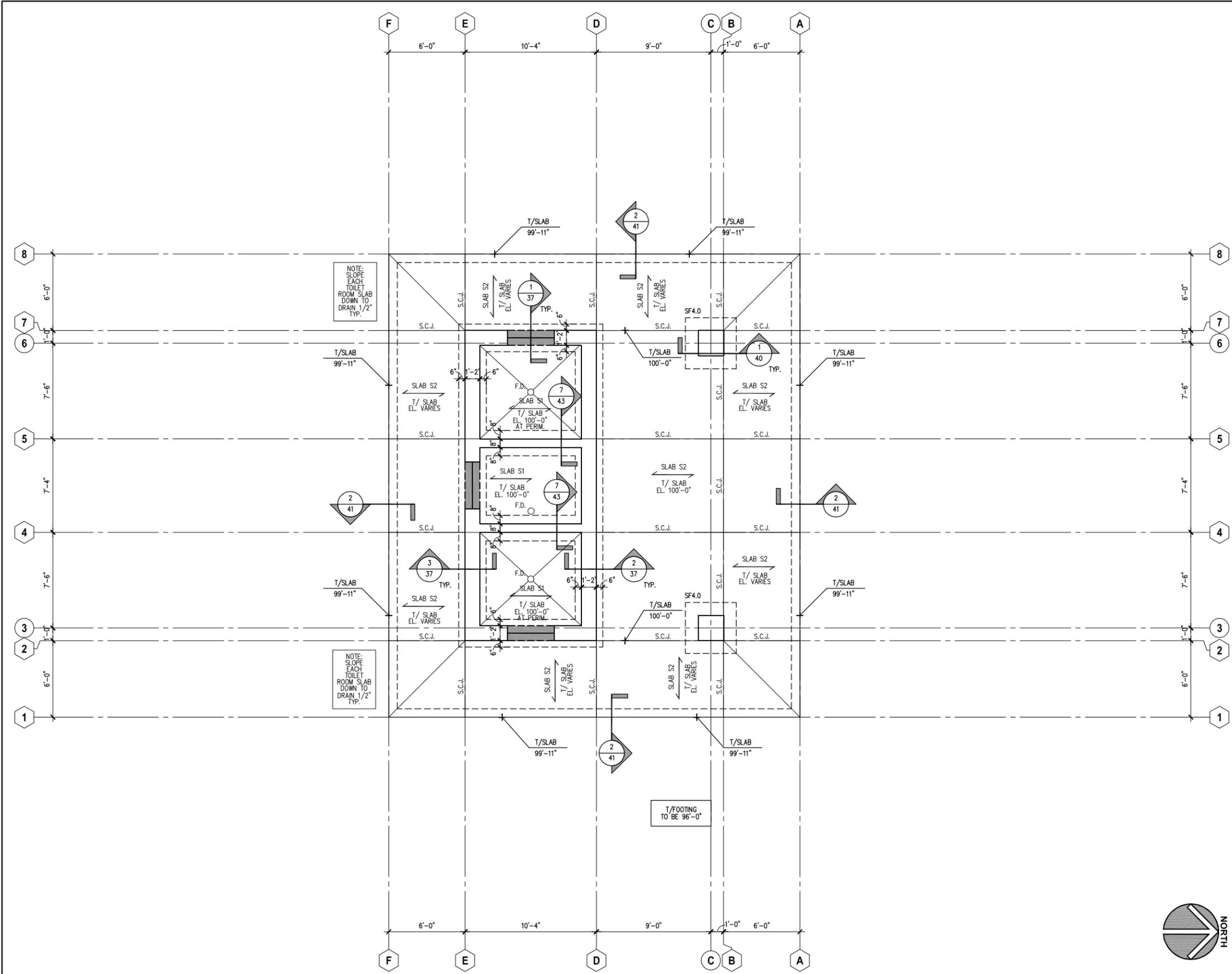
REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
 DETAILS & SCHEDULES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	40
CONTRACT NO. 61H18			ILLINOIS / FED. AID PROJECT	

SCALE: 1/2"=1'-0" SHEET NO. 13 OF 22 SHEETS STA. 8+66 TO STA. 9+01



KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

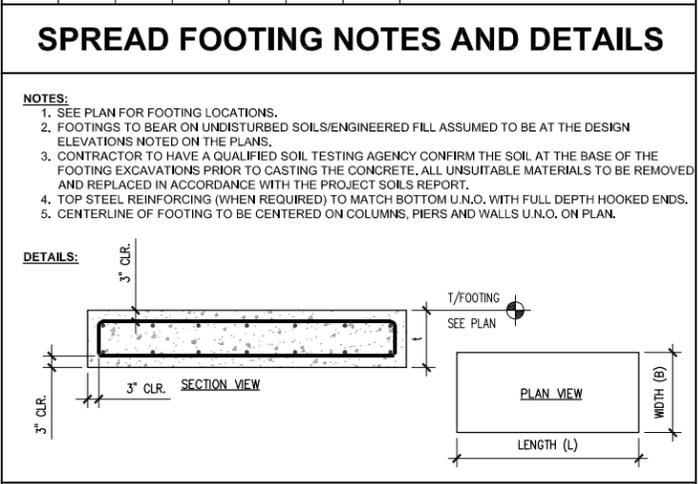
3.111 CONCRETE FORMING AND ACCESSORIES: CONTINUOUS 3/4" CHAMFER U.N.O.
 3.216 CONCRETE REINFORCING: CONTINUOUS REINFORCING BAR, #5 U.N.O. QUANTITY AS DEPICTED.
 3.221 CONCRETE REINFORCING: #4 DOWELS @ 1'-0" O.C. HORIZONTAL LEG= 2'-6", VERTICAL LEG= 2'-6" U.N.O.
 3.303 CAST-IN-PLACE CONCRETE: EXTERIOR SLAB-ON-GRADE. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH. REINFORCE WITH WWF-6x6 W2.1 x W2.1. SLOPE AWAY FROM BUILDING. ELEVATION AT DOOR AT MATCH INTERIOR SLAB/FINISH FLOOR ELEVATION.

31.232 EXCAVATION FILL: ENGINEERED GRANULAR FILL.

SPREAD FOOTING SCHEDULE

F brg. = 2,000 PSF
 f_c = 3,000 PSI
 f_y = 60,000 PSI

MARK	DIMENSIONS			REINFORCING STEEL			SPECIAL COMMENTS
	LENGTH (L)	WIDTH (B)	THICK (T)	BOTTOM LENGTH (L)	BOTTOM WIDTH (B)	TOP	
SF4.0	4'-0"	4'-0"	1'-0"	(4)-#5	(4)-#5	NO	

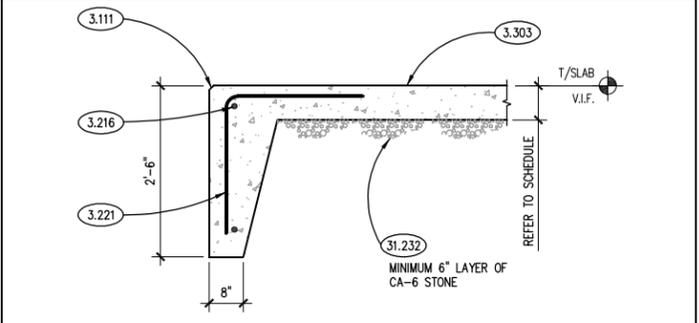


SLAB SCHEDULE AND NOTES

MARK	THICK (T)	CONCRETE STRENGTH (F _c)	CONCRETE TYPE (NW or LW)	REINFORCING STEEL	GENERAL LOCATIONS	SPECIAL COMMENTS OR ADDITIONAL LOCATIONS
SLAB S1	5"	4,500 PSI	NW	WWF-6x6 W2.1xW2.1	INTERIOR SLAB ON GRADE	SEE SPEC SECTION 03300 FOR MIX
SLAB S2	5"	3,500 PSI	NW	WWF-6x6 W2.1xW2.1	EXTERIOR SLAB ON GRADE, STOPS	SEE SPEC SECTION 31313 FOR MIX

NOTES:

- SEE PROJECT SPECIFICATIONS FOR DETAILED MIX DESIGNS.
- PREPARE ALL SLAB ON GRADE SUB-GRADES AS INDICATED ON SHEET S010.
- ALL SLABS ON GRADE TO BE PLACED OVER 6" OF CLEAN, WELL GRADED GRANULAR MATERIALS AS INDICATED ON SHEET S010.
- SEE PLANS AND DETAILS FOR ALL LOCATIONS OF REINFORCING STEEL, CONTRACTION JOINTS, CONSTRUCTION JOINTS AND ISOLATION JOINTS.
- ALL INTERIOR SLAB ON GRADE AREAS REQUIRE A 10 MIL. VAPOR BARRIER PLACED DIRECTLY OVER THE GRANULAR SUB-BASE U.N.O. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL WWF REINFORCING TO BE IN FLAT SHEETS ONLY. PLACEMENT (I.E. SUPPORT SPACING, LAP SPICE LENGTHS, ETC.) TO BE IN ACCORDANCE WITH THE STRUCTURAL WELDED WIRE REINFORCEMENT MANUAL OF STANDARD PRACTICE: (WWW-500); WIRE REINFORCEMENT INSTITUTE: LATEST EDITION.
- ALL REINFORCING STEEL TO BE SUPPLIED AS REQUIRED TO MAINTAIN THE DETAILED POSITIONS NOTED ON THE CONTRACT DOCUMENTS DURING DEFORMATION OF THE CONCRETE.
- REINFORCING BARS SHALL BE ASTM A615 GRADE 60, DEFORMED. ALL WWF SHALL BE ASTM A185, SMOOTH.
- NORMAL WEIGHT CONCRETE (NW) SHALL HAVE A MAXIMUM DENSITY OF 145 PCF.
- EXTERIOR CONCRETE TO HAVE 6% AIR ENTRAINMENT.



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USER NAME = Chris Hansen	DESIGNED - JMB	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH/JMB	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"

WARRENVILLE TRAILHEAD TOILET BUILDING
 FOUNDATION PLAN

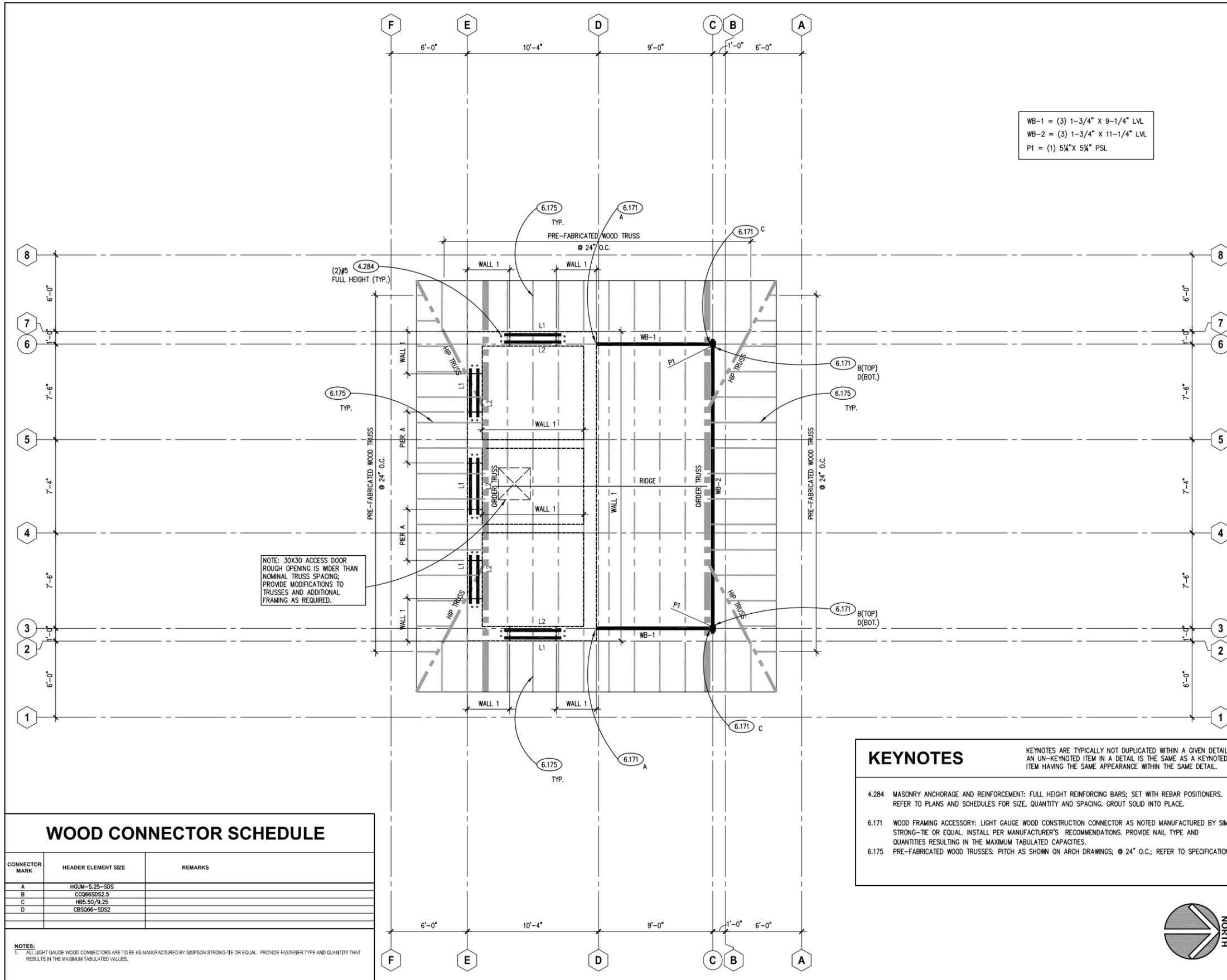
SCALE: AS INDICATED SHEET NO. 14 OF 22 SHEETS STA. 8+66 TO STA. 9+01

DETAIL SECTION
 SCALE: N.T.S.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	41
CONTRACT NO. 61H18				

ILLINOIS FED. AID PROJECT

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WB-1 = (3) 1-3/4" X 9-1/4" LVL
 WB-2 = (3) 1-3/4" X 11-1/4" LVL
 P1 = (1) 5 1/2" X 5 1/2" PSL

NOTE: 30X30 ACCESS DOOR
 ROUGH OPENING IS WIDER THAN
 NOMINAL TRUSS SPACING;
 PROVIDE MODIFICATIONS TO
 TRUSSES AND ADDITIONAL
 FRAMING AS REQUIRED.

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

4.284 MASONRY ANCHORAGE AND REINFORCEMENT: FULL HEIGHT REINFORCING BARS; SET WITH REBAR POSITIONERS. REFER TO PLANS AND SCHEDULES FOR SIZE, QUANTITY AND SPACING. GROUT SOLID INTO PLACE.

6.171 WOOD FRAMING ACCESSORY: LIGHT GAUGE WOOD CONSTRUCTION CONNECTOR AS NOTED MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NAIL TYPE AND QUANTITIES RESULTING IN THE MAXIMUM TABULATED CAPACITIES.

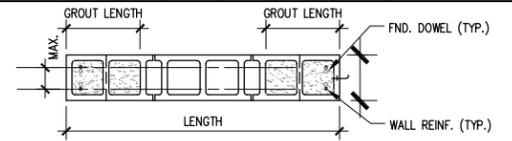
6.175 PRE-FABRICATED WOOD TRUSSES: PITCH AS SHOWN ON ARCH DRAWINGS; @ 24" O.C.; REFER TO SPECIFICATIONS.

MASONRY SCHEDULE NOTES

- NOTES:**
- SEE PLAN FOR WALL, PIER LOCATIONS, EXTERIOR MASONRY VENEER NOT SHOWN FOR CLARITY.
 - REINFORCING STEEL NOTED ABOVE IS ADDITIONAL TO THAT REQUIRED BY PIERS, SHEAR WALLS, EXTERIOR JAMBS AND SECTIONS AND DETAILS.
 - PROVIDE A MINIMUM LAP LENGTH AS NOTED BELOW:
 #4 BARS: 24"
 #5 BARS: 32"
 #6 BARS: 56"
 - NOTE: IN LIEU OF LAP LENGTHS, USE OF MECHANICAL REINFORCEMENT SPLICING COUPLERS ARE ACCEPTABLE. SUBMIT PROPOSED COUPLING SYSTEM TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW.
 - GROUT CORES WITH REINFORCING STEEL SOLID FULL HEIGHT WITH 2500 PSI CONCRETE GROUT.
 - CONTRACTOR SHALL COMBINE MORTAR AND MASONRY UNIT AS REQUIRED TO OBTAIN A NET COMBINED MASONRY ASSEMBLY STRENGTH OF (f_m) OF 1500 PSI. MINIMUM CONCRETE BLOCK STRENGTH TO BE 2150 PSI.
 - REINFORCING STEEL TO BE ASTM A615, F_y=60 KSI. SET WITH BAR POSITIONERS TO MAINTAIN LOCATIONS NOTED.
 - MULTI-WYTHE WALLS CONSISTING OF MULTIPLE CMU ELEMENTS REQUIRE THE HORIZONTAL JOINT REINFORCING LINKING THE WYTHES TOGETHER.
 - MARK ON PLAN TO APPLY TO THE ENTIRE LENGTH AND HEIGHT OF THE WALL, PIER AND SHEAR WALL U.N.O.
 - HORIZONTAL JOINT REINFORCING:
 a. VERTICAL SPACING 16" O.C. U.N.O.
 b. INTERIOR WALLS: MILL GALVANIZED (.10 oz psf)
 c. EXTERIOR & HIGH MOISTURE INTERIOR WALLS: HOT DIPPED GALVANIZED (1.5 oz psf)
 d. SINGLE & MULTI WYTHE WALLS: TRUSS TYPE
 e. CAVITY OR WALLS WITH VENEERS: LADDER TYPE
 - VERTICAL WALL REINFORCING TO BE OFF-SET AS REQUIRED TO RUN CONTINUOUS PAST BEAMS/JOISTS AND LINTELS.
 - REINFORCING QUANTITIES ARE TO BE EQUALLY DISTRIBUTED ON EACH FACE AND EACH END OF PIER U.N.O. LOCATE REINFORCING STARTING FROM PIER EDGE WORKING TOWARD CENTER.
 - FOUNDATION DOWELS ARE TO BE EQUALLY DISTRIBUTED AT EACH END STARTING AT THE ENDS OF THE PIER. LAP WITH PIER REINFORCING.
 - PROVIDE FOUNDATION DOWELS AT EACH END OF SHEAR WALL TO MATCH SIZE AND QUANTITY OF NOTED REINFORCING BARS. LAP WITH SHEAR WALL REINFORCING.
 - DOWELS INTO FOUNDATION WALLS TO BE STRAIGHT BARS WITH 3'-0" EMBEDMENT. PROJECTION OF ALL DOWELS ABOVE FOUNDATION WALL/FOOTING TO MATCH MINIMUM LAP LENGTHS NOTED IN NOTE #3 ABOVE.

MASONRY SHEAR WALL REINFORCING SCHEDULE

MARK	DIMENSIONS		REINFORCING			SPECIAL COMMENTS
	CMU SIZE (t)	SIZE	QTY. EACH END	DOWELS EACH END	GROUT LENGTH	
PIER A	8"	#6	2	2	16"	



MASONRY WALL VERTICAL REINFORCING SCHEDULE

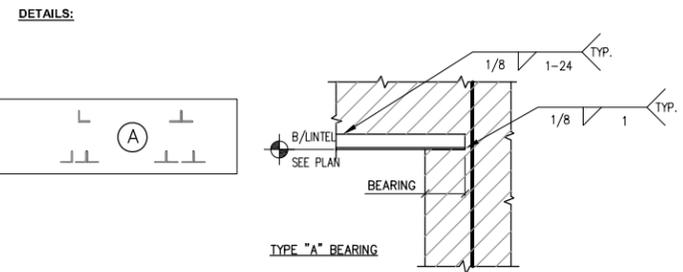
MARK	REINFORCING			SPECIAL COMMENTS
	QTY. & SIZE	SPACING	LAYOUT	
WALL 1	(1)-#5	24"	A	(A)

LINTEL SCHEDULE

MARK	ELEMENT SIZE	5/16" PLATE		LINTEL TYPE	END BEARING	SPECIAL COMMENTS
		WIDTH	DETAIL			
L1	L3 1/2x3 1/2x5/16	N.A.	N.A.	A	4"	GALVANIZE
L2	(2)-L3 1/2x3 1/2x5/16	N.A.	N.A.	A	4"	

LINTEL NOTES AND DETAILS

- NOTES:**
- SEE PLAN FOR LINTEL LOCATIONS.
 - MATERIAL PROPERTIES:
 a. ANGLES=ASTM A36
 b. EXTERIOR=GALVANIZED
 c. INTERIOR=PAINTED
 d. WELDING ELECTRODES=E70xx
 - BEARING CONDITIONS:
 a. SEE TYPICAL DETAILS BELOW.
 b. EXTEND ELEMENT THROUGH BRICK/CAVITY SPACES TO OBTAIN BEARING ON THE STRUCTURAL ELEMENT (CMU, STEEL FRAMING, ETC.). DO NOT BEAR DIRECTLY ON BRICK/CAVITY SPACES.



WOOD CONNECTOR SCHEDULE

CONNECTOR MARK	HEADER ELEMENT SIZE	REMARKS
A	HGUM-5.25-SDS	
B	CO666SDS2.5	
C	HBS.50/9.25	
D	CBS066-SDS2	

NOTES:
 1. ALL LIGHT GAUGE WOOD CONNECTORS ARE TO BE AS MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL. PROVIDE FASTENER TYPE AND QUANTITY THAT RESULTS IN THE MAXIMUM TABULATED VALUES.

FRAMING PLAN 1

SCALE: 1/4" = 1'-0"

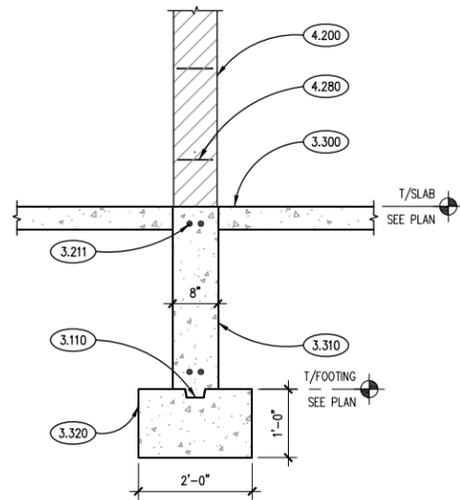


USER NAME = Parnell Tesoro	DESIGNED - JMB	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH/JMB	REVISED -
	DATE - 12/13/2021	REVISED -

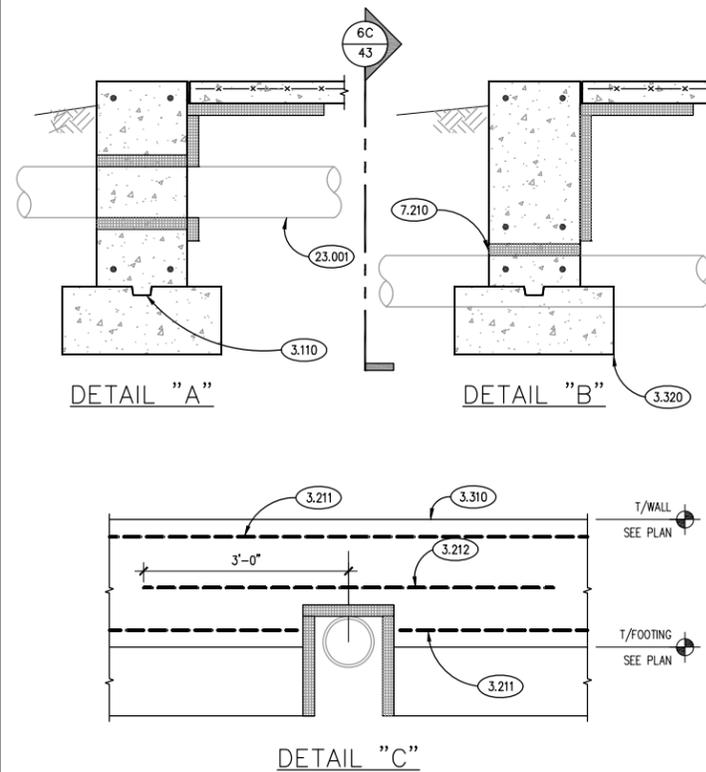
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
 ROOF FRAMING AND BEAM PLAN

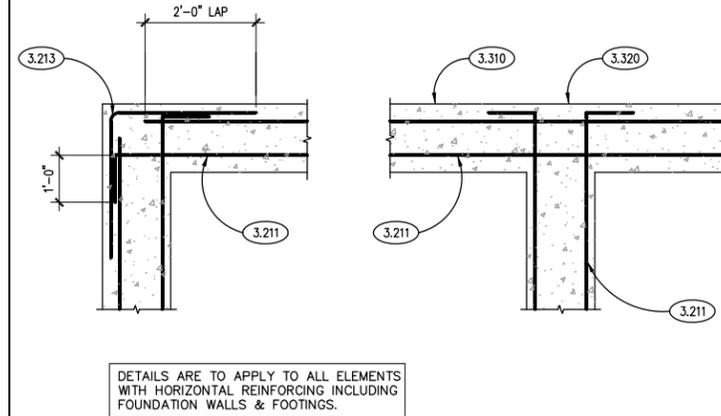
SCALE: 1/4" = 1'-0"	SHEET NO. 15 OF 22 SHEETS	STA. 8+66 TO STA. 9+01	F.A.P. R.T.E. N/A	SECTION 19-00039-BT	COUNTY	TOTAL SHEETS 49	SHEET NO. 42
						CONTRACT NO. 61H18	
ILLINOIS FED. AID PROJECT							



DETAIL SECTION 7
SCALE: 3/4" = 1'-0"

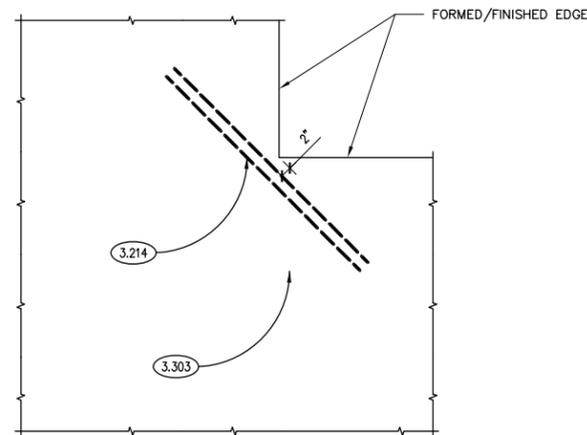


TYP. PIPE PENETRATION DETAILS THROUGH FND. 6
SCALE: 3/4" = 1'-0"

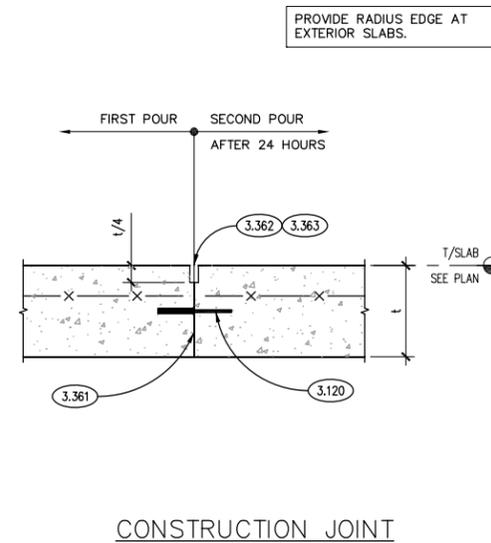


TYP. CORNER/INTERSECTION BAR DETAILS 4
SCALE: 3/4" = 1'-0"

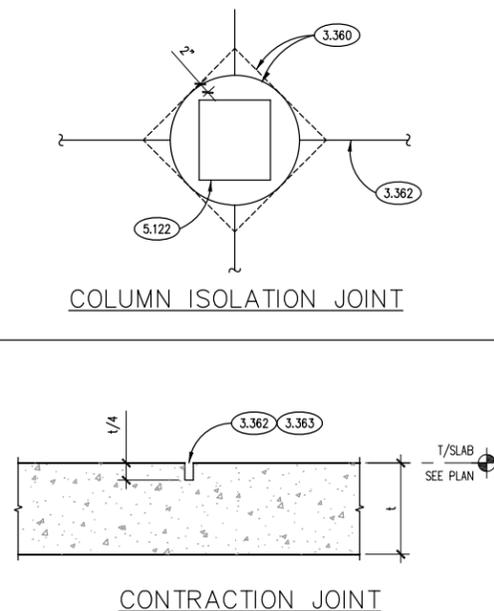
- KEYNOTES**
- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 3.110 CONCRETE FORMING AND ACCESSORIES: CONTINUOUS 2x4 KEYWAY U.N.O.
 - 3.120 CONCRETE FORMING AND ACCESSORIES: 1/4" DIAMOND DOWEL SYSTEM @ 1'-0" O.C.
 - 3.211 CONCRETE REINFORCING: CONTINUOUS WALL/FOOTING REINFORCING. REFER TO SECTIONS AND SCHEDULES. PROVIDE (2)-#5 BARS U.N.O. OR DEPICTED.
 - 3.212 CONCRETE REINFORCING: LAP REINFORCING BAR TO MATCH SIZE, SPACING AND QUANTITY OF WALL/FOOTING REINFORCING.
 - 3.213 CONCRETE REINFORCING: CORNER/INTERSECTION BARS TO MATCH SIZE, SPACING AND QUANTITY OF WALL/FOOTING REINFORCING. PROVIDE IN ALL ELEMENTS WITH LONGITUDINAL REINFORCING. REFER TO TYPICAL DETAIL ON CONTRACT DOCUMENTS.
 - 3.214 CONCRETE REINFORCING: (2)-#4x4'-0" LONG DOWELS CENTERED ON JOINT AND SLAB/WALL DEPTH.
 - 3.246 CONCRETE REINFORCING: PROVIDE AS NOTED.
 - 3.250 CONCRETE REINFORCING: WWF REFER TO SLAB CALLOUT ON PLAN. PROVIDE WWF-6x6 W2.1 X W2.1 IN FLAT SHEETS U.N.O. PROVIDE PROPER SUPPORT AS REQUIRED TO MAINTAIN PLACEMENT AT NOTED ELEVATION. "PULL UP" METHOD DURING SLAB PLACEMENT NOT ACCEPTABLE. DISCONTINUE AT CONTRACTION AND CONSTRUCTION JOINTS.
 - 3.260 CONCRETE REINFORCING: REINFORCING STEEL SUPPORT ELEMENT.
 - 3.300 CAST-IN-PLACE CONCRETE: INTERIOR SLAB-ON-GRADE. REFER TO PLAN, SCHEDULE AND SPECIFICATIONS FOR THICKNESS, REINFORCING, MIX TYPE AND FINISH.
 - 3.303 CAST-IN-PLACE CONCRETE: EXTERIOR SLAB-ON-GRADE. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH. REINFORCE WITH WWF-6x6 W2.1 X W2.1. SLOPE AWAY FROM BUILDING. ELEVATION AT DOOR AT MATCH INTERIOR SLAB/FINISH FLOOR ELEVATION.
 - 3.310 CAST-IN-PLACE CONCRETE: FOUNDATION WALL. REFER TO PLAN, DETAILS AND SPECIFICATIONS FOR THICKNESS, REINFORCING, MIX TYPE AND FINISH.
 - 3.320 CAST-IN-PLACE CONCRETE: CONTINUOUS WALL FOOTING. REFER TO PLAN, SCHEDULE AND SPECIFICATIONS FOR THICKNESS, REINFORCING AND MIX TYPE.
 - 3.360 CAST-IN-PLACE CONCRETE JOINT DEVICE/FILLER: SLAB ISOLATION JOINT FILLER. COORDINATE LOCATIONS WITH DOORS WHERE APPLICABLE.
 - 3.361 CAST-IN-PLACE CONCRETE JOINT DEVICE/FILLER: SLAB CONSTRUCTION JOINT.
 - 3.362 CAST-IN-PLACE CONCRETE JOINT DEVICE/FILLER: SLAB CONTRACTION JOINT. SAWCUT 4-12 HOURS AFTER POUR. EMBEDDED PLASTIC STRIPS ALSO ACCEPTABLE.
 - 3.363 CAST-IN-PLACE CONCRETE JOINT DEVICE/FILLER: SLAB JOINT SEALANT.
 - 4.200 UNIT MASONRY: REFER TO PLANS, SCHEDULES, ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION INCLUDING BLOCK SIZE, COURSING AND FACE BRICK/STONE.
 - 4.280 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT; 16" O.C. VERTICAL SPACING.
 - 5.122 STRUCTURAL STEEL: BASEPLATE & SETTING PLATE. REFER TO COLUMN SCHEDULE.
 - 7.210 THERMAL INSULATION: BOARD INSULATION. REFER TO SPECIFICATIONS. PROVIDE 25 PSI ALONG VERTICAL SURFACE OF FOUNDATION WALL AND 60 PSI ALONG THE HORIZONTAL SURFACE BELOW SLAB.
 - 23.001 M.E.P. ITEM: PROVIDE SLEEVES/PROTECTION AS REQUIRED TO AVOID DIRECT CONTACT WITH WALL OR FOOTING.



TYP. SLAB RE-ENTRANT CORNER BAR DETAIL 3
SCALE: 3/4" = 1'-0"



TYPICAL SLAB JOINT DETAILS 2
SCALE: 3/4" = 1'-0"

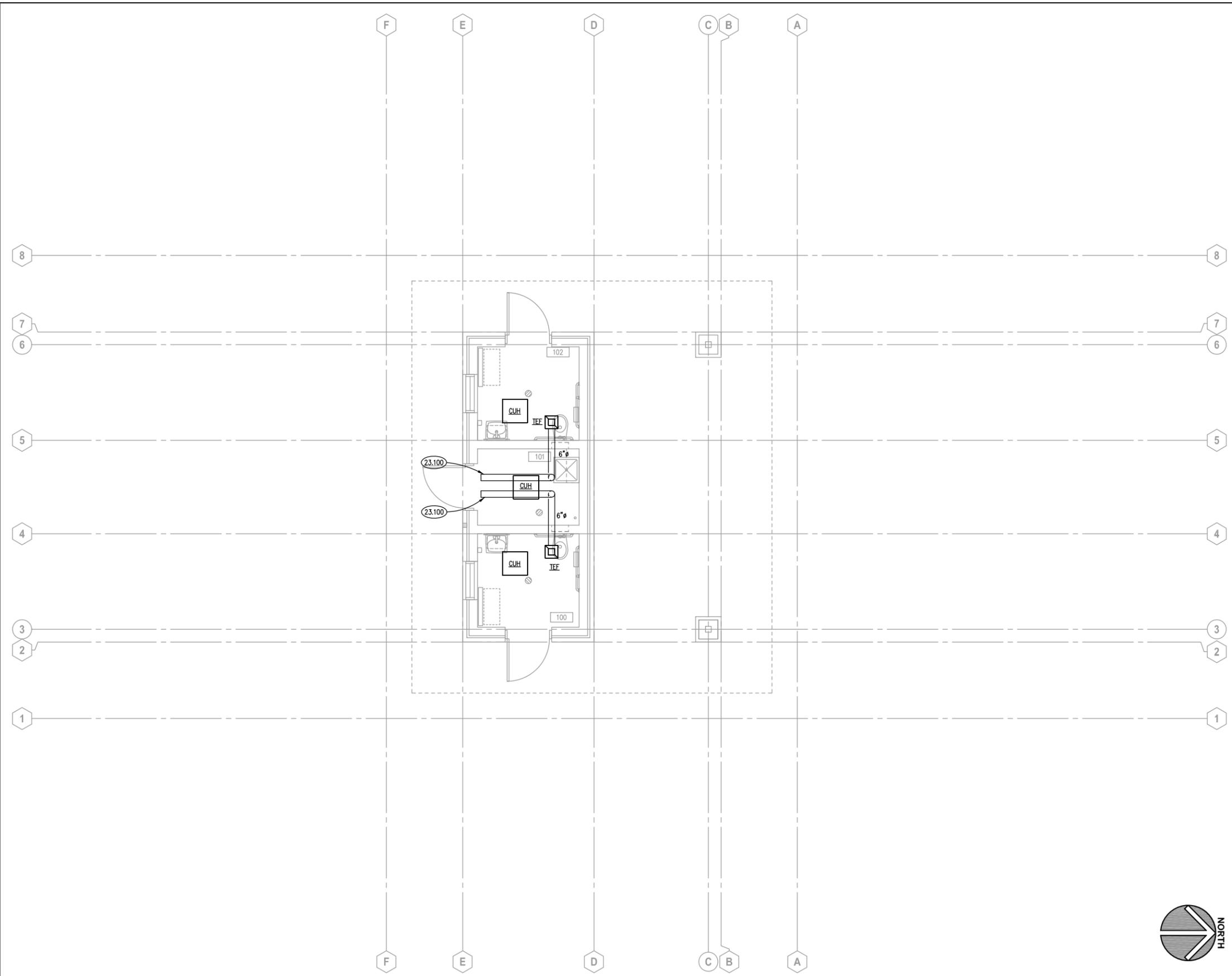


TYPICAL SLAB ON GRADE DETAIL 1
SCALE: 3/4" = 1'-0"

DETAIL IS APPLICABLE TO ALL SLABS WITH WELDED WIRE FABRIC. SEE SPECIFICATIONS & SLAB SCHEDULE FOR ADDITIONAL INFORMATION.

USER NAME = Parnell Tesoro	DESIGNED - JMB	REVISED -
PLOT SCALE = 3/4" = 1'-0"	DRAWN - PJT	REVISED -
PLOT DATE = 12/13/2021	CHECKED - CJH/JMB	REVISED -
	DATE - 12/13/2021	REVISED -

F.A.P. RTE. N/A	SECTION 19-00039-BT	COUNTY DUPAGE	TOTAL SHEETS 49	SHEET NO. 43
SCALE: 3/4" = 1'-0"			CONTRACT NO. 61H18	
ILLINOIS FED. AID PROJECT				



KEYNOTES

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23.100 PROVIDE DUCTWORK FROM CEILING EXHAUST FAN UP TO GABLE WALL LOUVER AND TERMINATE THROUGH LOUVER. EXHAUST FANS SHALL BE ACTIVATED BY OCCUPANCY SENSOR. REFER TO ELECTRICAL DRAWINGS.

FAN SCHEDULE

MARK	TEF
MODEL	GC-146
AIR FLOW RATE (CFM)	80
EXTERNAL STATIC PRESS (IN WG)	0.33
DRIVE TYPE	DIRECT
MOTOR SIZE (WATTS)	33.4
ELECTRICAL (V/PH/Hz)	120/1/60
AREA SERVED	TOILET ROOMS
REMARKS	1

1. MODEL BASED ON LOREN COOK.

ELECTRIC UNIT HEATER SCHEDULE

MARK	CUH
MODEL	CDF-542-RE
AIR FLOW RATE (CFM)	300
ELECTRIC HEATER (KW)	2.0
AIR TEMPERATURE RISE (°F)	42
SUPPLY FAN (HP)	-
ELECTRICAL (V/PH/Hz)	240/1/60
FULL LOAD AMPS	8.3
REMARKS	1, 2

1. MODEL BASED ON QMARK.
2. PROVIDE TRIM RING FOR MOUNTING IN PERMANENT CEILING, INTERNAL THERMOSTAT AND DISCONNECT.

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
100	UNISEX TOILET ROOM		
101	UTILITY ROOM		
102	UNISEX TOILET ROOM		

GENERAL NOTES

- REFER TO DRAWING SHEET 1 FOR PROJECT GENERAL NOTES.
- ALL DUCTWORK IS SHOWN DIAGRAMMATICALLY AND DO NOT SHOW ALL REQUIRED FITTINGS, OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM. COORDINATE WITH OTHER TRADES FOR SPACE AVAILABLE AND RELATIVE LOCATIONS OF EQUIPMENT, PIPING, DUCTWORK, ETC.
- ALL TAPES AND MASTICS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED ACCORDINGLY. ALL TAPES AND MASTICS USED TO SEAL FLEXIBLE DUCTS AND AIR CONNECTORS SHALL COMPLY WITH UL 181B AND MARKED ACCORDINGLY.
- SPACE ALLOCATION, COORDINATION WITH ELECTRICAL, ARCHITECTURAL & OTHER MECHANICAL COMPONENTS HAVE BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.



USER NAME = Parnell Tesoro	DESIGNED - DDW	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - DDW	REVISED -
PLOT DATE = 12/13/2021	CHECKED - DDW	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MECHANICAL PLAN 1

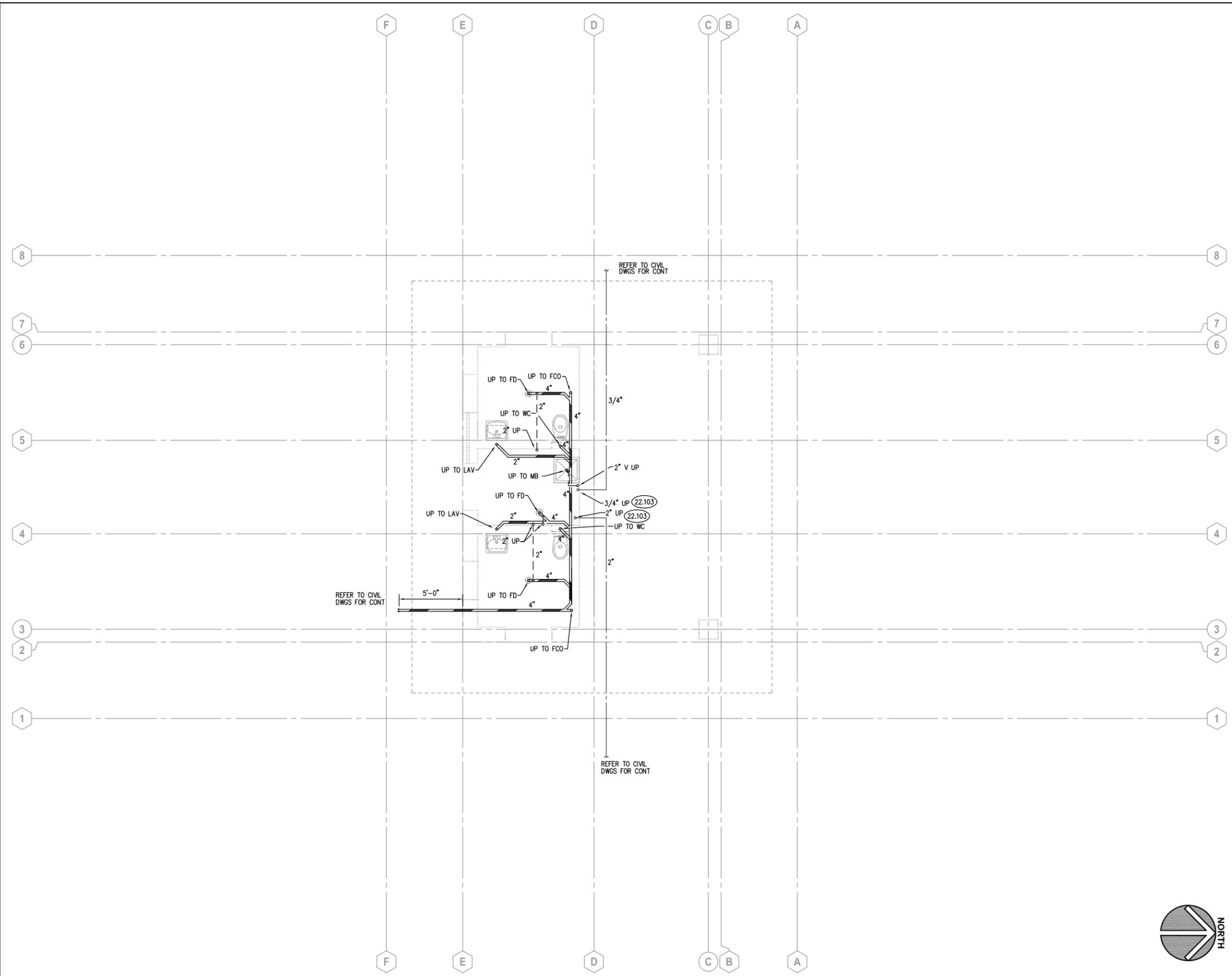
SCALE: 1/4" = 1'-0"

WARRENVILLE TRAILHEAD TOILET BUILDING
MECHANICAL PLAN

SCALE: AS INDICATED | SHEET NO. 17 OF 22 SHEETS | STA. 8+66 TO STA. 9+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT		49	44
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H18	

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KEYNOTES

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22.103 PROVIDE CASING AROUND WATER PIPES UNDER BUILDING. CASING SHALL BE TWO TIMES THE SIZE OF THE WATER PIPES. SEAL CASING AT FLOOR LEVEL AND AT FOUNDATION WALL.

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
100	UNISEX TOILET ROOM		
101	UTILITY ROOM		
102	UNISEX TOILET ROOM		

GENERAL NOTES

- REFER TO DRAWING COVER SHEET 1 FOR PROJECT GENERAL NOTES.
- ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4 INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED.
- ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
- COORDINATE ROUGH-INS FOR AND INSTALLATION OF PLUMBING FIXTURES WITH ACCESSIBILITY AND MOUNTING INFORMATION CONTAINED ON ARCHITECTURAL DRAWINGS.
- COORDINATE LOCATIONS OF ROUGH-INS FOR SINKS WITH CASEWORK ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
- DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
- ALL BACKFLOW PREVENTER ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCCDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.
- PROVIDE DRAIN VALVES AT ALL LOW POINTS IN PIPING TO ALLOW FOR DRAINING THE SYSTEM COMPLETELY.



USER NAME = Parnell Tesoro	DESIGNED - KL	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - KL	REVISED -
PLOT DATE = 12/13/2021	CHECKED - DDW	REVISED -
	DATE - 12/13/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLUMBING UNDERGROUND PLAN ①
SCALE: 1/4" = 1'-0"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	45
CONTRACT NO. 61H18				



SCALE: AS INDICATED	SHEET NO. 18 OF 22 SHEETS	STA. 8+66 TO STA. 9+01
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ILLINOIS FED. AID PROJECT

SCALE: AS INDICATED	SHEET NO. 18 OF 22 SHEETS	STA. 8+66 TO STA. 9+01
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ILLINOIS	FED. AID PROJECT
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KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

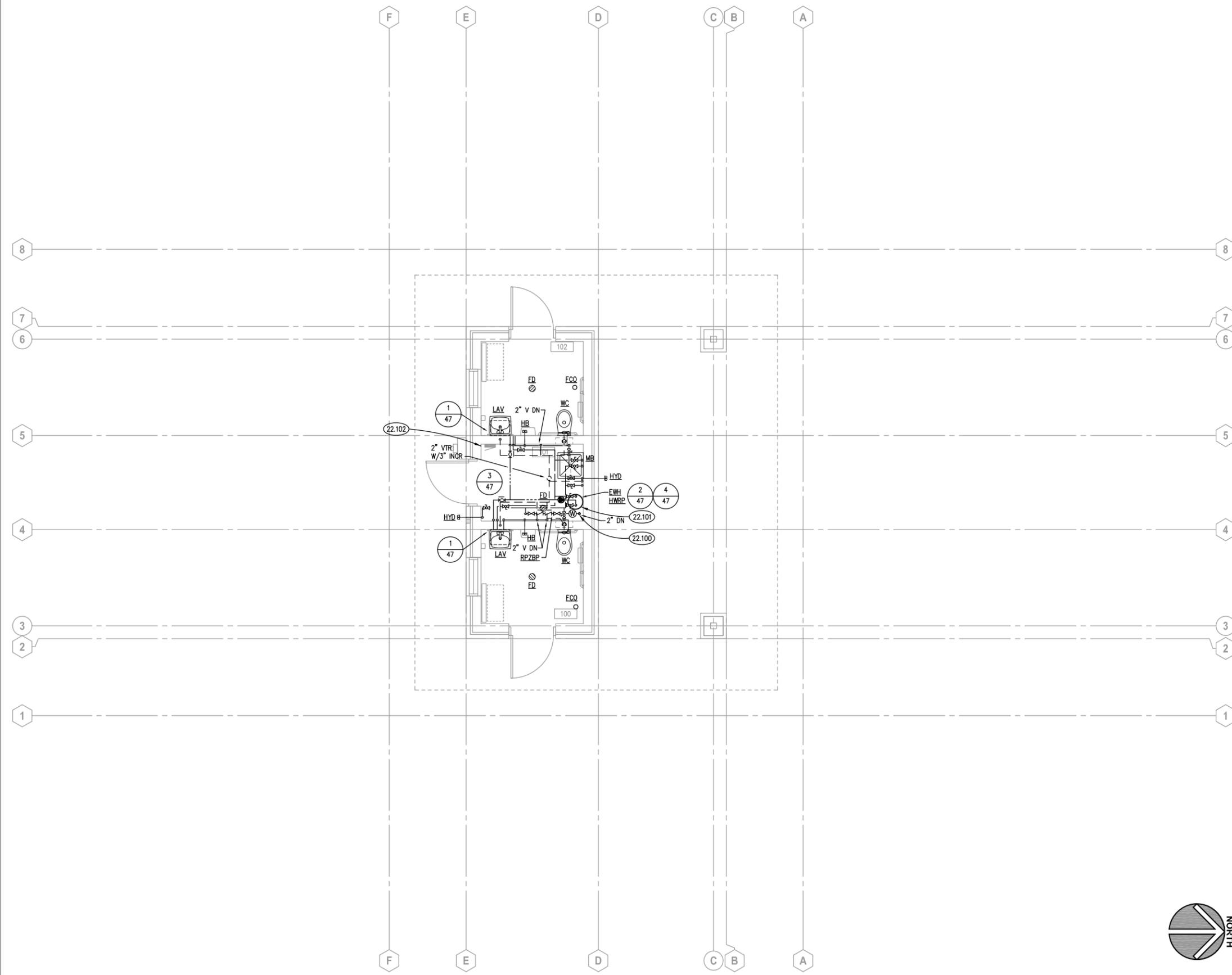
- 22.100 PROVIDE WATER SERVICE AND METER FOR BUILDING. COORDINATE WITH CITY FOR WATER METER. PROVIDE DRAIN DOWN VALVE DOWNSTREAM OF METER. COORDINATE EXACT LOCATION WITH OWNER.
- 22.101 PROVIDE HEAT TRAPS ON THE OUTLET AND INLET OF THE WATER HEATER AND INSULATE HOT WATER PIPING WITH 1 INCH FIBERGLASS INSULATION.
- 22.102 PROVIDE WATER PIPES SUCH THAT THEY ARE NOT LOCATED OVER ELECTRICAL PANEL IN CORNER OF ROOM. IF PIPES ARE INSTALLED OVER PANEL, DRIP PAN AND DRAIN PIPE SHALL BE REQUIRED.

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
100	UNISEX TOILET ROOM		
101	UTILITY ROOM		
102	UNISEX TOILET ROOM		

GENERAL NOTES

1. REFER TO DRAWING COVER SHEET 1 FOR PROJECT GENERAL NOTES.
2. ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4 INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED.
3. ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
4. OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
5. COORDINATE ROUGH-INS FOR AND INSTALLATION OF PLUMBING FIXTURES WITH ACCESSIBILITY AND MOUNTING INFORMATION CONTAINED ON ARCHITECTURAL DRAWINGS.
6. COORDINATE LOCATIONS OF ROUGH-INS FOR SINKS WITH CASEWORK ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
7. DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
8. ALL BACKFLOW PREVENTER ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.
9. PROVIDE DRAIN VALVES AT ALL LOW POINTS IN PIPING TO ALLOW FOR DRAINING THE SYSTEM COMPLETELY.



PLUMBING FLOOR PLAN 1

SCALE: 1/4" = 1'-0"



USER NAME = Parnell Tesoro	DESIGNED - KL	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - KL	REVISED -
PLOT DATE = 12/13/2021	CHECKED - DDW	REVISED -
	DATE - 12/13/2021	REVISED -

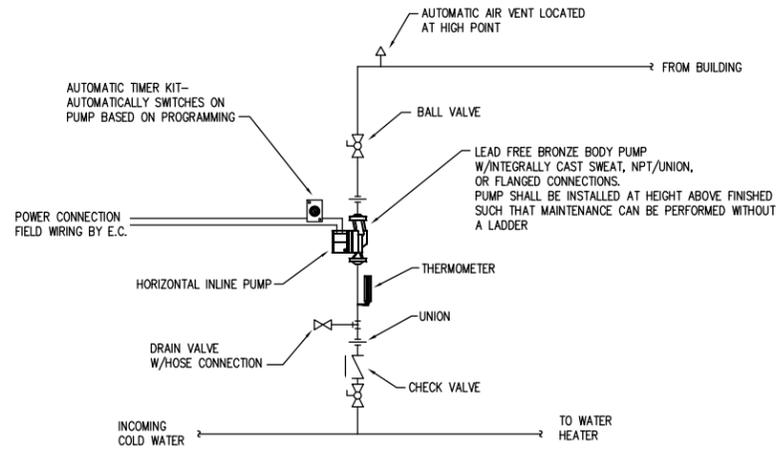
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
PLUMBING FLOOR PLAN

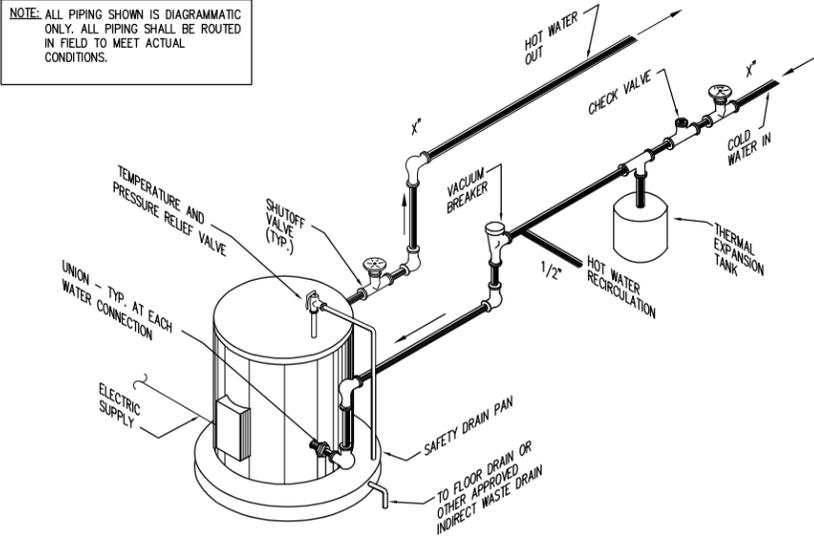
SCALE: AS INDICATED	SHEET NO. 19 OF 22 SHEETS	STA. 8+66 TO STA. 9+01
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT		49	46
			CONTRACT NO. 61H18	
ILLINOIS FED. AID PROJECT				

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HOT WATER RECIRCULATION PUMP DETAIL SCALE: NTS 4



ELECTRIC WATER HEATER DETAIL SCALE: NTS 2

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	COLD	HOT	WASTE	VENT	REMARKS
WC	WATER CLOSET--WALL MOUNTED	1"	-	4"	2"	ADAAG COMPLIANT
LAV	LAVATORY--WALL HUNG	1/2"	1/2"	1-1/2"	1-1/4"	ADAAG COMPLIANT
MB	MOP BASIN	1/2"	1/2"	3"	1-1/2"	
HB	HOSE BIB	1/2"	-	-	-	
HYD	HYDRANT, FREEZE-RESISTANT	1/2"	-	-	-	

1. ALL PLUMBING MATERIALS AND INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH ALL STATE AND LOCAL PLUMBING RULES AND REGULATIONS CURRENTLY IN EFFECT, GOVERNED BY THE ADMINISTRATIVE AUTHORITY HAVING JURISDICTION.
2. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL TRAPS AND CLEANOUTS AS NECESSARY OF THE LOCALITY.
3. THE OPENINGS IN WALLS FOR THE PASSAGE OF PIPES SHALL BE TOTALLY FIRE SEALED TO THE SATISFACTION OF THE PLUMBING INSPECTOR AND/OR THE AUTHORITY HAVING JURISDICTION.

ELECTRIC WATER HEATER SCHEDULE

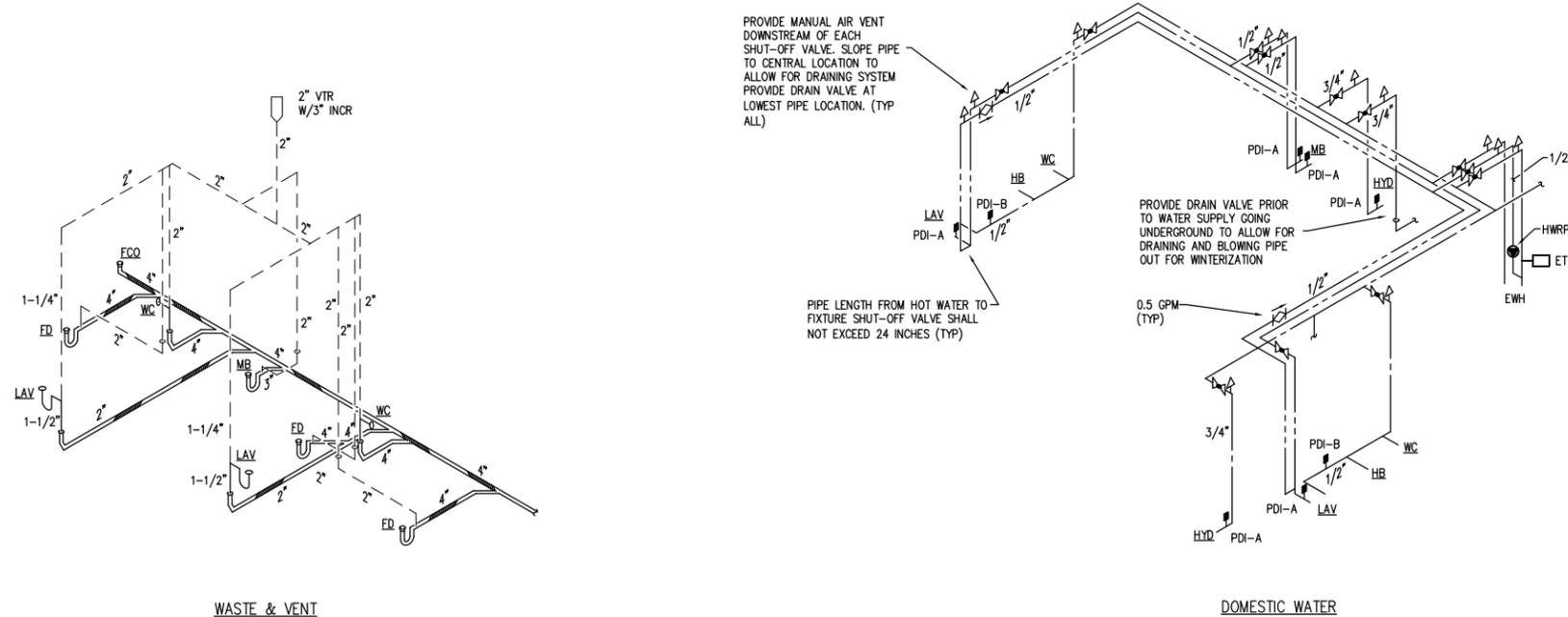
MARK	DESCRIPTION
EW1	DEL-10
MODEL	DEL-10
TYPE	STORAGE
RECOVERY @ 100 DEGREE F RISE	10
HEATING ELEMENT (KW)	2.5
ELECTRICAL (V/PH/Hz)	240/1/60
SERVICE	POTABLE
REMARKS	1

1. MODEL BASED ON A.O. SMITH

PUMP SCHEDULE

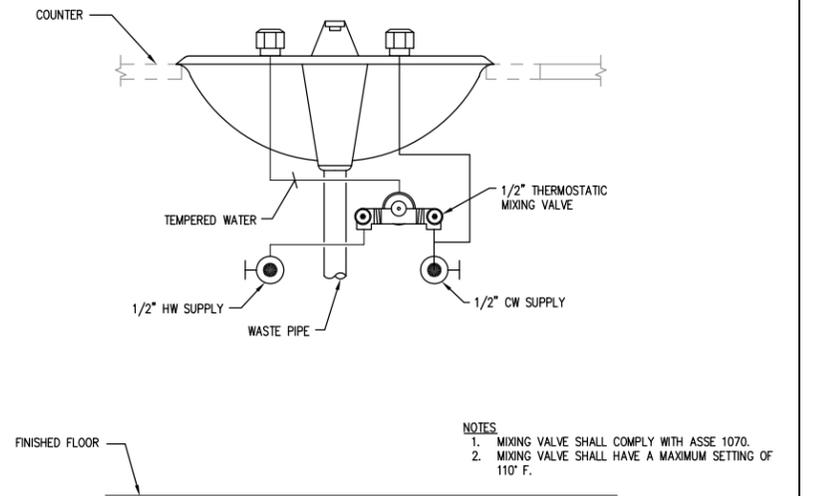
MARK	DESCRIPTION
HWRP	e3-4
MODEL	e3-4
WATER FLOW RATE (GPM)	1.0
HEAD (FT)	4.0
TYPE	INLINE
MOTOR SIZE (W)	5 - 28 ECM
ELECTRICAL (V/PH/Hz)	120/1/60
MOTOR SPEED (RPM)	-
SERVICE	HW RECIRCULATION
REMARKS	1

1. MODEL BASED ON B&G.



RISER DIAGRAM SCALE: NTS 3

LOCAL MIXING VALVE DETAIL SCALE: NTS 1



- NOTES
1. MIXING VALVE SHALL COMPLY WITH ASSE 1070.
 2. MIXING VALVE SHALL HAVE A MAXIMUM SETTING OF 110° F.

Kluber
ENGINEERING RESOURCE ASSOCIATES

USER NAME = Parnell Tesoro	DESIGNED - KL	REVISED -
PLOT SCALE = 1/2" = 1'-0"	DRAWN - KL	REVISED -
PLOT DATE = 12/13/2021	CHECKED - DDW	REVISED -
	DATE - 12/13/2021	REVISED -

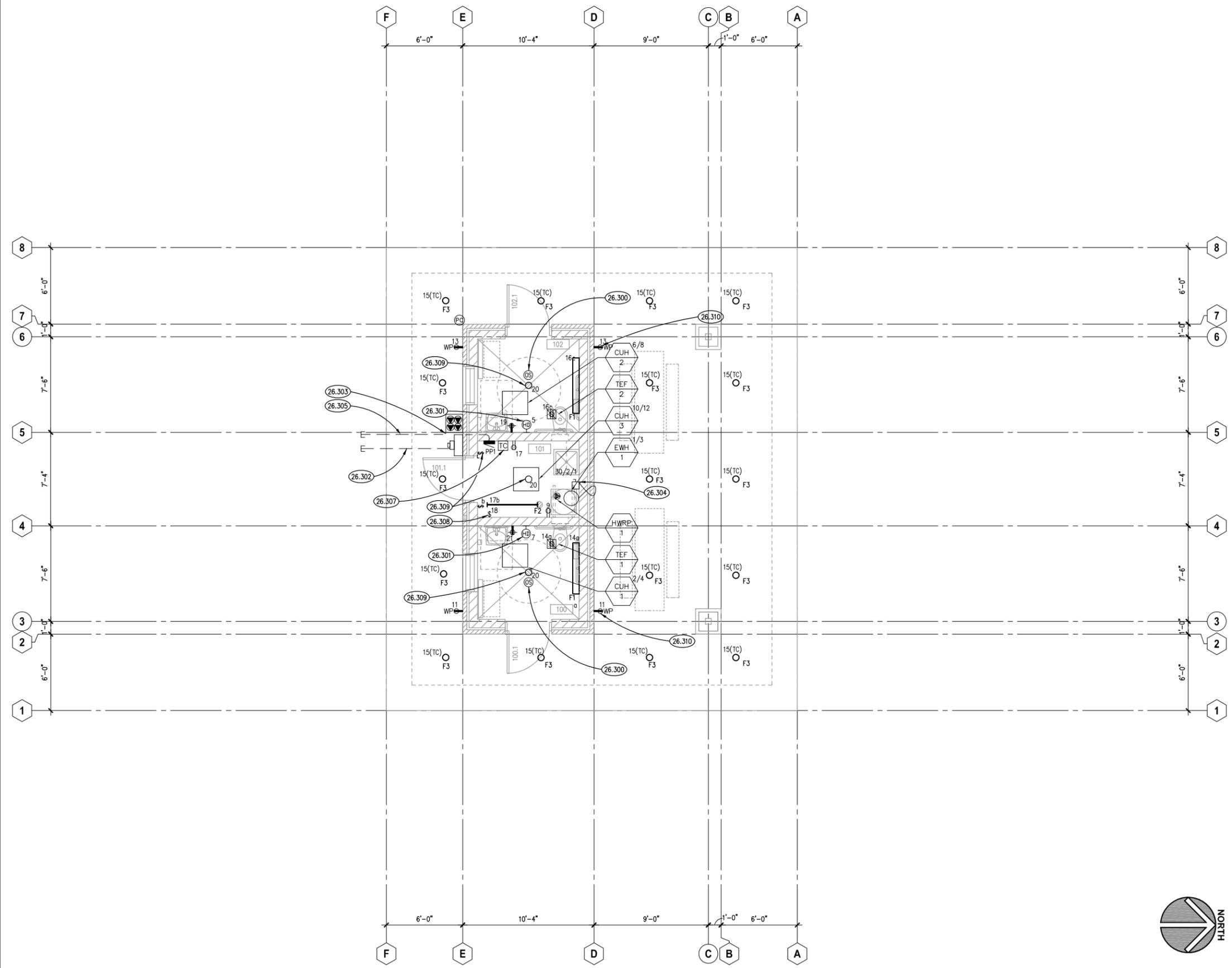
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
PLUMBING DETAILS

SCALE: AS INDICATED SHEET NO. 20 OF 22 SHEETS STA. 8+66 TO STA. 9+01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT	DUPAGE	49	47
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H18	

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KEYNOTES

- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 26.300 PROVIDE CEILING MOUNTED OCCUPANCY SENSOR WITH WIREGUARD, MOUNT CENTER OF CEILING IN ROOM.
 - 26.301 PROVIDE CONNECTION TO HAND DRYER. PROVIDE 2#12,1#12G,3/4"C. TO PANELBOARD.
 - 26.302 PROVIDE 3" EMPTY GRS CONDUIT, STUBBED AND CAPPED 2' PAST FOUNDATION FOR UTILITY SERVICE LATERAL. UTILITY SERVICE LATERAL AND CONNECTION BY OTHERS.
 - 26.303 PROVIDE QTY. 4, NEMA L14-50R RECEPTACLES. PROVIDE NEMA 3R PULL BOX WITH LOCKABLE COVER FOR RECEPTACLES (12"x12"x6" NOMINAL). VERIFY EXACT RECEPTACLE CONFIGURATION WITH OWNER'S EXISTING PLUG PRIOR TO ORDER.
 - 26.304 PROVIDE 30A/2P DISCONNECT SWITCH FOR WATER HEATER. PROVIDE 2#12,1#12G,1/2"C. TO PANELBOARD.
 - 26.305 PROVIDE 1 1/4" EMPTY GRS CONDUIT, STUBBED AND CAPPED 2' PAST FOUNDATION FOR FUTURE POWER REQUIREMENTS.
 - 26.307 PROVIDE CONTACTOR, PHOTOCELL, AND TIMECLOCK FOR EXTERIOR LIGHTING CONTROL. PHOTOCELL ON, TIMECLOCK OFF WITH MANUAL OVERRIDE IN UTILITY ROOM.
 - 26.308 PROVIDE SINGLE POLE TOGGLE SWITCH FOR FINAL CONNECTION TO AUTO FLUSH/AUTO FAUCET TRANSFORMER. COORDINATE EXACT LOCATION OF TRANSFORMER WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
 - 26.309 PROVIDE OUTLET BOX TYPE LAMPHOLDER IN ATTIC. PROVIDE LED LAMP FOR EACH. PROVIDE SINGLE POLE, ILLUMINATED (WHILE LIGHTING IS ON) TOGGLE SWITCH IN ATTIC LOCATED WITHIN UTILITY ROOM.
 - 26.310 PROVIDE GFCI, WEATHERPROOF DUPLEX RECEPTACLE WITH DUAL USB (ONE USB-A AND ONE USB-C) (BASIS OF DESIGN: LEGRAND 2097TRWRUSBACW).

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
100	UNISEX TOILET ROOM		
101	UTILITY ROOM		
102	UNISEX TOILET ROOM		

ELECTRICAL GENERAL NOTES

1. INTENT OF DRAWINGS: THESE DRAWINGS ARE INTENDED TO RELAY TO CONTRACTOR A DESIGN INTENT. INCLUDE IN BID ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM AS REASONABLY INFERRABLE, AS DETERMINED BY ARCHITECT, TO ACCOMPLISH THE INTENT OF THESE DRAWINGS.
2. REFER TO ARCHITECTURAL, PLUMBING, PLANS, SHOP DRAWINGS AND MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION ON EXACT POWER, WIRING & ROUGH-IN REQUIREMENTS AND LOCATIONS OF DEVICES.
3. ROUTE ALL POWER CIRCUITS TO PANEL 'PP1'.
4. UNLESS NOTED OTHERWISE, ALL HOMERUNS SHALL CONSIST OF A MAXIMUM OF 2 CIRCUITS (PHASE A & B, NEUTRAL & GROUND) IN 1/2"C. MINIMUM WIRE SIZE SHALL BE #12 AWG. WIRE SIZE FOR HOMERUN CIRCUITS SHALL BE 2#12, 1#12N & 1#12G.
5. SECURE ALL JUNCTION BOXES TO BUILDING STRUCTURE PER NEC REQUIREMENTS.
6. SECURE CONDUIT TO BUILDING STRUCTURE WITHIN 3' OF JUNCTION BOXES AND A MAXIMUM OF 10' ON CENTER.

ELECTRICAL POWER AND LIGHTING PLAN 1

SCALE: 1/4" = 1'-0"



USER NAME = Parnell Tesoro	DESIGNED - ATR	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - ATR	REVISED -
PLOT DATE = 12/13/2021	CHECKED - MTK	REVISED -
	DATE - 12/13/2021	REVISED -

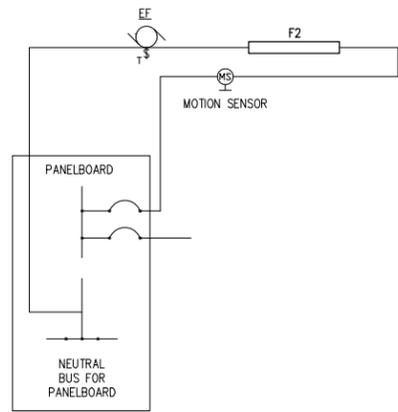
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
ELECTRICAL POWER & LIGHTING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	19-00039-BT		49	48
CONTRACT NO. 61H18				
ILLINOIS FED. AID PROJECT				

SCALE: AS INDICATED | SHEET NO. 21 OF 22 SHEETS | STA. 8+66 TO STA. 9+01

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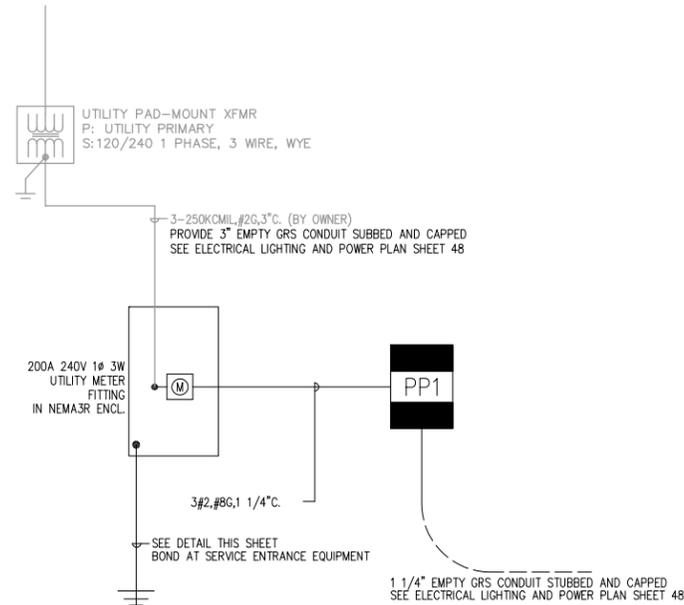
TYPICAL EF/LTG WIRING DETAIL ⑤
SCALE: NTS

LUMINAIRE SCHEDULE										
TYPE	LAMPS		DESCRIPTION	MFR.	CATALOG NUMBER	VOLTAGE	SHIELDING	FINISH	MOUNTING	NOTE
	NO.	CAT. NO.								
F1	1	4000K LED	4' CORNER MOUNT HIGH ABUSE LED	KURTZON FAIL-SAFE	VL-COR-3-40-1/LEDR-840-120V FCC-N-4-LED4-1STD-40-120-80/84-EDC1-SSN	120V	POLYCARBONATE	STAINLESS STEEL	SURFACE (CORNER)	
F2	1	4000K LED	4' LED UTILITY STRIP	COLUMBIA METALUX	MPS4-40MW-CW-EU 4ST2L4040R	120V	FROSTED ACRYLIC	WHITE	SURFACE (WALL)	
F3	1	4000K LED	6" LED VANDAL RESISTANT DOWNLIGHT CAN	KURTZON FAIL-SAFE	VL-PBD-4-8-DLM20-840-UNV-WB-WT FLD6BX20D010; FEU6B3/58040; F6L8XVM1HBL84; F6L8XVM1HBT84	120V	POLYCARBONATE	WHITE	RECESSED (HARD CEILING)	
				GOATHAM	EVO6VR 40/20 AR MD PPC 120 GZ10					

LIGHTING FIXTURE SCHEDULE ③
N.T.S.

SYMBOL			DESCRIPTION
CEILING	WALL	FLOOR	
LUMINARIES			
			4' FIXTURE TYPE. SEE LIGHT FIXTURE SCHEDULE.
			4' LED STRIP FIXTURE TYPE. SEE LIGHT FIXTURE SCHEDULE. A= FIXTURE TYPE, 2= CIRCUIT ASSIGNMENT, α=SWITCH LEG
			SELF CONTAINED EMERGENCY BATTERY PACK W/ BATTERY BACK-UP SEE LIGHTING FIXTURE SCHEDULE.
			SINGLE POLE TOGGLE SWITCH. 15A OR 20A AS REQUIRED. 120/277V α=SWITCHING CONTROL, P=PILOT LIGHT, K=KEYED SW., LV=LOW VOLTAGE
			3-WAY TOGGLE SWITCH. 15A OR 20A AS REQUIRED. 120/277V 3=3 WAY DIMMER
			LIGHTING CONTROL DIMMER SWITCH. SIZE AS INDICATED.
			MOMENTARY CONTACT SWITCH.
			VACANCY SENSOR SWITCH. MANUAL ON CONTROL WITH AUTOMATIC SHUT OFF AFTER 30 MINUTES OF VACANCY.
			OCCUPANCY SENSOR SWITCH. AUTOMATIC ON CONTROL WITH AUTOMATIC SHUT OFF AFTER 30 MINUTES OF VACANCY.
WIRING DEVICES & OUTLETS			
			SPECIAL PURPOSE SINGLE RECEPTACLE. @18" AFF MATCH CONFIGURATION TO EQUIPMENT.
			DUPLEX RECEPTACLE. 20A 125V 2P 3W GRD. NEMA5-20R. @18" AFF DEDICATED CIRCUIT. 'I' =MTD. @48" AFF, OR @6" ABOVE COUNTER.
			GFCI(GROUND FAULT CIRCUIT INTERRUPTER) PROTECTED RECEPTACLE. WP=WEATHER PROOF. 20A 125V 2P 3W GRD. NEMA5-20R. @18" AFF
			GFCI(GROUND FAULT CIRCUIT INTERRUPTER) PROTECTED RECEPTACLE MTD. @48" AFF, OR @6" ABOVE COUNTER.
			DOUBLE DUPLEX RECEPTACLE. @18" AFF 20A 125V 2P 3W GRD. NEMA5-20R. PO=POP UP RECEPTACLE
			FLEXIBLE CONDUIT CONNECTION.
			WIRING IN CONDUIT CONCEALED ABOVE CEILING, IN WALL AND UNDER FLOOR OR UNDERGROUND.
			WIRING IN CONDUIT EXPOSED ON CEILING OR WALL.
			BRANCH CIRCUIT WIRING IN CONDUIT HOMERUN TO PANEL. ONE ARROW PER HOMERUN. SLASHES INDICATE NUMBER OF CONDUCTORS.
			INDICATES GROUND CONDUCTOR.
			INDICATES ISOLATED GROUND CONDUCTOR.
POWER EQUIPMENT & DEVICES			
			SAFETY SWITCH. N=NON-FUSED (AMPS/POLES/ENCLOSURE). F=FUSED (AMPS/FUSE/POLES/ENCLOSURE).
			MAGNETIC MOTOR STARTER. NEMA SIZE AS NOTED.
			COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SW. (AMPS/FUSE/POLES/NEMA SIZE).
			MOTOR. HP= HORSE-POWER RATING.
			ELECTRIC HEAT OUTLET
			PANEL 240V & BELOW.
			EQUIPMENT CONTROL PANEL
MISCELLANEOUS			
			HVAC EQUIPMENT IDENTIFICATION
			KEYNOTE IDENTIFICATION

ELECTRICAL SYMBOLS LIST ①
N.T.S.



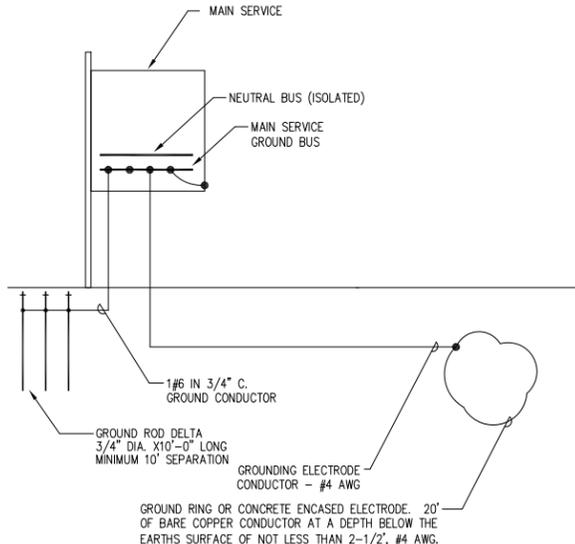
ELECTRICAL ONE LINE RISER DIAGRAM ②
N.T.S.

PANEL : PP1 100A/2P MAIN CIRCUIT BREAKER							
CKT. NO.	BRKR	DESCRIPTION	PHASE		DESCRIPTION	BRKR	CKT. NO.
			A	B			
1	2P20	ELECTRIC WATER HEATER	1800 1250		CUH-1	2P20	2
3	/			1000 1250		/	4
5	1P20*	HAND DRYER	1800 1400		CUH-2	2P20	6
7	1P20*	HAND DRYER	1800 1400			/	8
9	1P20	HWRP-1	1800 28		CUH-3	2P20	10
11	1P20	EXTERIOR RECEPTACLES	1800 360	1000 360		/	12
13	1P20	EXTERIOR RECEPTACLES	360	90	LTG, EF - WOMENS	1P20	14
15	1P20**	EXTERIOR LIGHTING	462	90	LTG, EF - MENS	1P20	16
17	1P20	LTG, REC - UTILITY ROOM	250		AUTO FLUSH/AUTO FAUCET	1P20	18
19	1P20	RECEPTACLE - TOILET ROOM	361	1983 180	ATTIC LIGHTING	1P20	20
21	1P20	RECEPTACLE - TOILET ROOM	180	0	SPARE	1P20	22
23	1P20	SPARE	0	0	SPARE	1P20	24
25	-	-SPACE-			-SPACE-	-	26
27	-	-SPACE-			-SPACE-	-	28
29	-	-SPACE-			-SPACE-	-	30
31	-	-SPACE-			-SPACE-	-	32
33	-	-SPACE-			-SPACE-	-	34
35	2P50	NEMA 14-50R	180	180	NEMA 14-50R	2P50	36
37	/		180	180		/	38
39	2P50	NEMA 14-50R	180	180	NEMA 14-50R	2P50	40
41	/		180	180		/	42

VOLTAGE: 120/240 VOLT, 1PHASE, 3WIRE
 TOTAL PHASE A: 6939
 TOTAL PHASE B: 8722
 CALCULATED VA: 15,661
 CALCULATED AMPS: 65.3

NOTES:
 1. NEMA ENCLOSURE, GROUND BUS
 2. LOCKABLE COVER, SURFACE MOUNTED
 3. SERVICE ENTRANCE RATED, 23000 A C
 * CIRCUIT BREAKER SHALL BE LOCKABLE IN THE OFF POSITION.
 ** ROUTE VIA TIMECLOCK

PANEL SCHEDULE ③
N.T.S.



GROUNDING ELECTRODE DETAIL ④
SCALE: N.T.S.



USER NAME = Parnell Tesoro	DESIGNED - ATR	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARRENVILLE TRAILHEAD TOILET BUILDING
ELECTRICAL SCHEDULES & DETAILS

F.A.P. RTE. N/A	SECTION 19-00039-BT	COUNTY DUPAGE	TOTAL SHEETS 49	SHEET NO. 49
SCALE: AS INDICATED			SHEET NO. 22 OF 22 SHEETS	
STA. 8+66 TO STA. 9+01			CONTRACT NO. 61H18	

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