1. APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS FOR A ONE (1) YEAR PERIOD, SUBSEQUENT TO THE DATE OF APPROVAL IF CONSTRUCTION WORK IS NOT STARTED WITHIN THE ONE (1) YEAR PERIOD, OR HAS BEEN DISCONTINUED FOR ANY REASON FOR LONGER THAN ONE (1) PERAR. THE PLANS SHALL BE RESUBMITED FOR REVEN AND RE-APPROVAL.

2. PLAN REVIEW BY THE CITY DOES NOT EXTEND TO MATERIAL QUANTITIES SHOWN ON THE PLANS.

3. A PUBLIC WORKS PERMIT, ISSUED BY THE CITY, IS REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY OR EASEMENTS AND FOR CONSTRUCTION OF ANY IMPROVEMENTS INTENDED TO BECOME PUBLIC PROPERTY.

4. THE CITY SHALL BE NOTIFIED TWENTY-FOUR (24) HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT CITY INSPECTORS MAY BE SCHEDURENT

THE THE SUBJUELD. 5 ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH TITLE 13, ENGINEERING DESIGN STANDARDS AND SPECIFICATIONS FOR NEW INFRASTRUCTURE, CURRENT "ANG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION," THE CITY OF FLAGSTAFF STORWATER DESIGN HANNLAL, AND WITH GENERALLY ACCEPTED ENGINEERING DESIGN AND CONSTRUCTION PRACTICE. ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS. ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR REVEWING CHAPTER 13–21, WHICH MAKES MINOR MODIFICATIONS TO CERTAIN MAG SPECIFICATIONS AND DETAILS.

6. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

7. THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE MAY SUSPEND THE WORK BY WRITEN NOTCE WHEN, IN HIS JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BENNE DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.

8. THE CITY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO THE AMERICAN ASSOCIATION OF STATE HICHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMELES REQUIRED FOR TESTING.

9. ACCESS THAT MEETS SECTION 13-12-04-0001, FIRE ACCESS, SHALL BE IN PLACE AND APPROVED BEFORE AND AT ANL TIMES DURING CHLSTE PENDER AND APPROVED BEFORE AND AT ANL TIMES DURING CHLSTE PENDTS IN NEW SUBDIVISIONS, FIRE DEPARTMENT AND ROMERENG SECTION APPROVAL IS REQUIRED FOR OBSTRUCTION OF ACCESS OR WATER SYSTEM SHUTDOWN.

In the contractor shall be responsible for maintenance of the streets and of partially completed portions of the work until final acceptance of the work the contractor shall submit to the gty ended to the work the contractor shall submit to the gty ended to the contractor shall also be the the contractor that the opening date shown on the construction soledule for any streets the contractor shall also be the the construction that the opening date shown on the construction soledule or upon order of shall be as directed by the city engineer or his authorized representative.

11. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN ONE (1) TEAR FROM THE DATE OF ACCEPTANCE AND MHICH ARE DUE TO IMPROPER WORKAMANHO FOR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE OWNER/DEVELOPER ON THE CONTRACTOR.

12. ACCEPTANCE OF COMPLETED PUBLIC IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED, AND FINAL CLEAN-UP IS COMPLETE.

13. LOCATION OF UNDERGROUND UTILITIES BEFORE WORK IS BEGUN IS TO BE ACCOMPLISHED IN ACCORDANCE WITH A.R.S. SECTION 40-360.22.

14. IF WORK IS DONE ON PRIVATE PROPERTY IN RELATION TO A PROJECT CONSTRUCTED UNDER THESE STANDARDS, THE CONTRACTOR WILL PROVIDE THE CITY WITH WITTER AUTHORIZATION FROM THE PROPERTY OWNER TO DO SO.

15. THE ESTABLISHMENT AND USE OF TEMPORARY CONSTRUCTION YARDS SHALL CONFORM TO THE CURRENT CITY ZONING CODE STANDARDS FOR TEMPORARY USES.

16. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE GTY CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED GTY APPROVALS AND PERMITS AS DEEMED NECESSARY BY THE CITY TO DISPOSE OF EXCAVATED MATERIAL

17. ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER AND PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR OR CIVIL ENGINEER.

18. ALL TRAFFIC SIGN SHEETING SHALL BE TYPE VIII AS DESIGNED BY ASTM D4966-07E1 STANDARD SPECIFICATIONS FOR RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL, UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION PLANS.

19. WHEN THE CONSTRUCTION PLANS SPECIFY GRAFFITI CONTROL ON BRIDGES OR OTHER STRUCTURES, THE CONTRACTOR SHALL SEAL THE STRUCTURE FIRST USING MONOCHEM AQUASEAL ME 12 AND THEN APPLY MONOCHEM PERMASHIELD, SACRIFICIAL GRAFFITI CONTROL SYSTEM (OR APPROVED EQUAL).

20. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED AND RESEEDED IN ACCORDANCE WITH CHAPTER 13-17. IN THE EVENT THAT THE CONSTRUCTION ACTIVITY DISTURES MORE THAN OWE (1) ACCE, A STORWWATER POLLITION PREVENTION PLAN (SWPPP) SHALL BE PREPARED IN ORDER TO OBTAIN A CONSTRUCTION GENERAL PERMIT FROM ADEQ. (ORD. 2017-22, REPAREEN, 07/05/2017)

21. ALL SURVEY MONUMENTS WITHIN OR AROUND THE CONSTRUCTION AREA SHALL BE PROTECTED IN PLACE. ANY MONUMENTS THAT ARE DISTURBED OR DISPLACED BY CONSTRUCTION SHALL BE RESET BY THE RLS AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH CITY OF FLAGSTAFF ENGINEERING STANDARDS SECTION 13-03-005-0005 AND AND A.R.S. 33-103.

CITY OF FLAGSTAFF WATER AND SEWER NOTES

ALL DESIGN, CONSTRUCTION, TESTING AND INSPECTION SHALL CONFORM TO THE ADEQ REQUIREMENTS: WATER DISTRIBUTION IN ACCORDANCE WITH BULETINS 10 AND 8, AND SEWER COLLECTION IN ACCORDANCE WITH AAC TITLE 18. IN THE EVENT THE ADEQ REQUIREMENTS CONFLICT WITH THESE STANDARDS. THE MORE RESTORTS SHALL APLY.

A. ROUGH GRADING SHALL BE COMPLETED WITHIN ONE-TENTH (1/10) OF A FOOT OF PLAN GRADE AND APPROVED BY THE CITY ENGINEER'S AUTHORIZED REPRESENTATIVES PRIOR TO INSTALLATION OF UNDERGROUND UTILITIES.

B. NO TRENCH SHALL BE FILLED WITH BEDDING MATERIAL OR BACKFILL UNTIL THE EXCAVATION AND PIPE LAYING, RESPECTIVELY, HAVE BEEN APPROVED BY THE CITY ENGINEER'S AUTHORIZED REPRESENTATIVE.

C. A WATER PRESSURE TEST IS REQUIRED OF ALL WATER LINES AND A HYDROSTATIC OR AIR TEST IS REQUIRED OF ALL SEWER LINES AND MANH TESTS ARE TO BE CONDUCTED AFTER BACKFILLING IS COMPLETE AND COMPACTED ON ALL PUBLIC AND/OR PRIVATE UNDERGROUND UTILITES.

D. WATER AND SEWER SERVICE LINES ARE TO BE MARKED AS SHOWN ON THE STANDARD SERVICE DETAILS.

E. WATER LINE DISINFECTION IS TO BE ACCOMPLISHED AS OUTLINED IN ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) "BULLETIN NO. 8."

F. WATER PIPE CLASSIFICATION SHALL BE CLASS 305 FOR A.W.W.A. C-900 PVC AND CLASS 350 FOR DUCTLE IRON UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. C-900 SHALL CONFORM TO CAST-IRON-EQUIVALENT OUTSIDE DUMETER NAU HAVE ELASTROWERIC GASKETS AND COUPLINGS. ALL DUCTLE IRON PIPE SHALL BE FOLYETHYLENE ENCASED IN ACCORDANCE WITH WAG SPECIFICATIONS.

G. ALL MATERIALS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61 INCLUDING, BUT NOT LIMITED TO, GASKETS, LUBRICANTS, PIPE FITTINGS, AND VALVES (NSF-PW SEAL) (R18-4-119B).

H. ALL PUBLIC SANITARY SEWER LINES AND PRIVATE SEWER SERVICE LINES WITHIN A PUBLIC UTILITY EASEMENT OR RIGHT-OF-WAY WILL BE INSPECTED PRIOR TO ACCEPTANCE BY THE CITY.

I, WATER AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION, ALL DISTANCES ARE MEASURED PERPENDICULARLY FROM THE OUTSIDE OF THE SEWER MAIN TO THE OUTSIDE OF THE WATER MAIN. SEPARATION REQUIREMENTS ARE AS FOLLOWS:

1. A WATER MAIN SHALL NOT BE PLACED:

0. WITHIN SIX (6) FEET, HORIZONTAL DISTANCE, AND LESS THAN TWO (2) FEET, VERTICAL DISTANCE, ABOVE THE TOP OF A SEWER MAIN UNLESS EXTRA PROTECTION SINGLE OKTAP ROTECTION SHALL CONSIST OF CONSTRUCTING THE SEWER MAIN WITH MECHANICAL JOINT DUCTLE IRON PIPE OR WITH SUP-JOINT LOUTLE IRON PIPE IF JOINT RESTRAINT IS PROVIDED. ALTERNATE EXTRA PROTECTION SHALL CONSIST OF ENCASING BOTH THE WATER AND SEVER MAINS IN AT LESST SIX (6) INCHES OF CONCRETE FOR AT LEAST SIX THE SUBSECTION.

b. WITHIN TWO (2) FEET HORIZONTALLY AND TWO (2) FEET BELOW THE SEWER MAIN, WHEN A WATER MAIN IS PLACED BELOW A SEWER MAIN, EXTRA PROTECTION.

SEPARATION. 2. NO WHER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE. THE IMMINIUM HORZONTAL SEPARATION BETWEEN WATER MINES AND MANHOLES SHALL BE SIX (6) FEET, MEASURED FROM THE CENTER OF THE MANHOLE. 3. THE IMMINIUM SEPARATION BETWEEN FORCE MAINS OR PRESSURE SEWERS AND WATER MAINS SHALL BE TWO (2) FEET VERTICALLY AND SIX (6) FEET HORZONTALLY UNDER ALL CONDITIONS. WHERE A SEWER FORCE MAIN CONSESS ABOVE OR LESS THAN SIX (6) FEET BELOW A WATER LINE, THE SEWER MAINS SHALL BE ENCASED IN AT LEAST SIX (6) INCHES OF CONCRETE OR CONSTRUCTED USING WECHANICAL JOINT DUCTLE IRON PIPE FOR TEN (10) FEET ON ETHER SIDE OF THE WATER MAIN. 4. EVEN WHEN EXTRA PROTECTION IS UTILIZED, THE MINIMUM CLEARANCE BETWEEN WATER AND SEWER SHALL BE ONE (1) FOIT. SETVICEN WATER AND SEVER SHALL BE ONE (1) FOOT. 5. THE SEPARATION REQUIREMENTS DO NOT APPLY TO BUILDING, PLUMBING, OR INDIVIDUAL HOUSE SERVICE CONNECTIONS.

J. WHEN HYDROSTATIC TESTING IS PERFORMED, SEWER LINES SHALL BE TESTED FOR INFILTRATION/CEPTITATION IN ACCORDANCE WITH ADEO ENGINEERING BUILETIN NO. 1.1. MANHOLES SHALL BE TESTED BY FILLING THE MANHOLE WITH WATER. THE APPLICANT SHALL BISURE THAT THE DROP IN WATER LEVEL DOES NOT EXCEED ONE-THOUSANDTH (0.001) OF THE TOTAL MANHOLE VOLUME IN ONE (1) HOUR.

When air testing is performed, sewer lines shall be tested in accordance with astm f1417-92. Manholes shall be tested in accordance with astm c1244.

K. SEWER PIPE SHALL BE SOR 35, ASTM D3034 FOR PVC PIPE, OR CLASS 150 DIP LINED WITH PROTECTO 401 CERMIC EPOXY OR HDPE ASTM F894. ALL DUCTLE KION PIPELINES SHALL BE FOLYETH/LINE ENALSED IN ACCORDANCE WITH MAG SPECIFICATIONS. SPECIAL DESIGN CONSIDERATIONS MAY REQUIRE A HIGHER CLASS RITING OF DIP.

L. NO WATER SETTLING OF TRENCH FILL MATERIAL IS ALLOWED.

M. ALL WATER AND SEWER DESIGN AND CONSTRUCTION SHALL CONFORM TO THE CURRENT ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) REQUIREMENTS, WHEN ADEQ REQUIREMENTS ARE IN CONFLICT WITH THESE STANDARDS, THE MORE RESTRICTIVE SHALL APPLY.

N. TRACER WIRES AND TAPES SHALL BE INSTALLED PRIOR TO TESTING THE WATER OR SEWER MAIN AS REQUIRED BY SECTION 13-09-001-0002. (STRIP WIRE TWO (2) INCHES AT TERMINATION OF THE SERVICE.)

O. WATER VALVES SHALL BE ADJUSTED IN ACCORDANCE WITH CITY OF FLAGSTAFF ENGINEERING DETAIL NO. 9–03–060 AND MANHOLES SHALL BE ADJUSTED IN ACCORDANCE WITH CITY OF FLAGSTAFF ENGINEERING DETAIL NO. 9–03–062.

P. ONE HUNDRED PERCENT (100%) OF THE SEWER LINE SHALL BE TESTED FOR UNIFORM SLOPE BY REMOTE CAMERA AND TESTED FOR SHORT-TERM DEFLECTION

1. WHEN A SEWER SERVICE IS REQUIRED TO BE ABANDONED, IT SHALL BE ABANDONED AT THE PROPERTY LINE AND CAPPED USING THE APPROPRIME MATERNALS (VCC, CLAY, OR CONCRETE). 2. WHEN AN EXISTING WATER SERVICE IS REQUIRED TO BE ABANDONED, IT SHALL BE ABANDONED AT THE MAIN. THE SADDLE AND CORP. STOP SHALL BE REMOVED AND THE MAIN CLAMPED WITH AN APPROVED FULL CIRCLE REPARE CLAMP.

Q. THE LOCATION OF WATER SERVICES SHALL BE IDENTIFIED BY BRANDING A "W" ON THE TOP OR FACE OF CURB.

R. SEWER SERVICE LOCATIONS SHALL BE IDENTIFIED BY BRANDING AN "S" ON THE TOP OR FACE OF THE CURB. (ORD, 2017-22, REP&REEN, 07/05/2017)

CITY OF FLAGSTAFF PAVING NOTES

A. EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE WHEN A LONGTUDINAL JOINT ASSOCIATED WITH A TRENCH PATH, PAVEMENT MATCHUP OR OTHER OCCURS ON A STREET THAT INCLUDES A BIKE LANE, THE JOINT SHALL BE LOATED OUTSIDE THE BIKE LANE.

NO JOB WILL BE CONSIDERED COMPLETE UNTIL:
ALL CURBS, PAVENETS, SIDEWALKS, CATCH BASINS, STORM DRAINS, AND MANHOLES HAVE BEEN CLEANED OF ALL DIRT AND DEBRIS;
SURVEY MONUMENTS ARE INSTALLED AND STAMPED. AND
ALL FRAMES, COVERS, AND VALVE BOXES ARE ADJUSTED TO GRADE.

C. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED AND APPROVED UNDER PROPOSED PAVED AREAS.

D. BASE COURSE WILL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.

E. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED AND MADE ACCESSIBLE TO THE CITY.

F. UTILITY FACILITIES IN CONFLICT WITH THIS WORK WILL BE RELOCATED BY THE PERMITTEE OR THE UTILITY OWNER. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.

3. EXISTING STREET NAME SIGNS, TRAFFIC SIGNS AND DEVICES ASSOCIATED WITH THE PROJECT SHALL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS SHOWN ON THE APPROVED PLANS.

H. ANY CHANGES OR ADDITIONS TO PAVEMENT MARKINGS CAUSED BY PAVEMENT OVERLAY, CHIP SEAL, OR INSTALLATION OF UNDERGROUND FACILITIES SHALL BE SHOWN ON THE APPROVED PLANS.

I. ON PROJECTS WHERE THE CONTRACTOR CAUSES EXCESSIVE DAMAGE TO AN EXISTING PAVED STREET OR THERE ARE MULTIPLE STREET CUTS (MAXIMUM OF FOUR (4) IN FIVE HUNDRED (500) FEET) AN ASPHALT OVERLAY SHALL BE REQUIRED.

J. A PRIME COAT IS NOT REQUIRED UNLESS SO SPECIFIED IN THE SOILS AND PAVEMENT REPORT AND/OR SHOWN ON THE PLANS.

K. ALL CUBR AND GUTER, SINGWALK, DRIVEWAYS, AND SIDEWALK RAMPS SHALL BE CONSTRUCTED ON A MINIMUM THREE (3) INCHES OF ADGREGATE BASE COURSE (ABC) THE ABG SHALL BE CONSTRUCTED IN ACCORDANCE WITH MAG SECTION 310, AND SHALL BE COMPACTED TO INIETY-FIVE PERCENT (95%) RELATIVE DENSITY. ALL PRECAST STRUCTURES SUCH AS MANHOLE BASES, OATCH BASINS, IND BOX CULVERTS SHALL BE CONSTRUCTED ON A MINIMUM OF THREE (3) INCHES OF ABC.

PERMANENT PAVEMENT MARKINGS. LONGTUDINAL PAVEMENT MARKINGS. LONGTUDINAL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13-16-006-0001. TRANSVERSE PAVEMENT MARKINGS SUCH AS STOP BARS, CROSSWALKS, ARROWS, AND LEGENDS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13-16-006-0002. 2.

- M. TEMPORARY PAVEMENT MARKINGS. 1. TEMPORARY PAVEMENT MARKINGS, WHEN APPROVED, SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 13-16-006-0001 AND 13-16-006-0002.
- ACCORLIANCE WITH SECTIONS TO THOSE STRONGLY DISCOURAGED AND MAY NOTES: 1. THE USE OF TEMPORARY MARKINGS IS STRONGLY DISCOURAGED AND MAY ONLY BE USED WITH PRIOR PAPPROVAL.WHEN IT IS USED, THE CONTRACTOR MIST BE MADE IN THE TO REPER AS NEEDED UNTL. THE PERMANENT MIST IS MARKINGS THE CITY PUBLIC WORKS DEPARTMENT MAY INSTALL THE MARKINGS ON BEAMLY OF THE CONTRACT PROVIDED THE FEE FOR THE WORK IS AGREED UPON AND PAID FOR IN ADVANCE.

CENERAL NOTES

GENERAL NOTES WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT EDITION(S) OF THE FOLLOWING SPECIFICATIONS AND THESE PLANS. MAG UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ING UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, CITY OF FLASTAFF ENGINEERING DESIGN AND CONSTRUCTION, CITY OF FLASTAFF ENGINEERING DESIGN AND CONSTRUCTION STANDARDS WITH MAG ADDENUUM AS APPORTATE, ADGE ENGINEERING BULLETINS NO. 8, 10, 11 AND 12. AW.W.A. STANDARDS MANUAL ON UNIFORM THAFFIC CONTROL DEVICES (M.U.T.C.D.), A.D.O.T. STANDARD SPECIFICATIONS AND DRAWINGS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE ABOVE STANDARDS, SPECIFICATIONS AND DETAILS, AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS WHICH MAY BE NECESSARY TO COMPLETELY AND ACCURATELY INTERRET. THESE PLANS.

ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE TIENS, PAYMENT WILL BE BASED ON BID SCHEDULE TIEMS THE CONTRACTOR SHALL NOT BE RELEVED OF RESPONSIBILITY FOR INDEPENDENTLY SETMATED QUANTITIES PROR TO

THE LOCATION OF EXISTING FEATURES INDICATED ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOT BE RELEVED OF RESPONSIBILITY FOR MAINER COMPLETE AND ACCURATE ON-SHE DETERMINATIONS OF THE LOCATIONS OF ALL UTILITIES, STRUCTURES AND FIELD CONDITIONS, WHICH MAY AFFECT THE WORK.

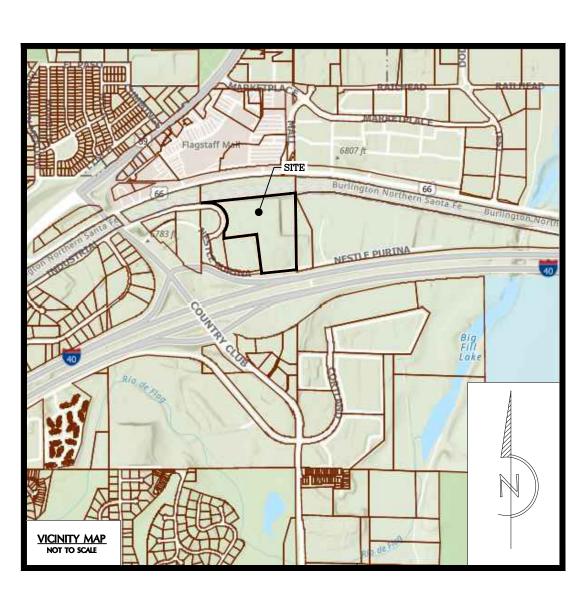
THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHAT PERMITS WILL BE REQUIRED FOR THE WORK AND OBTAINING AT HIS OWN EXPENSE ALL PERMITS REQUIRED UNLESS STATED OTHERWISE IN THE CONTRACT.

BUILDING, DRAINAGE, AND WATER/SEWER PLANS PURINA FACILITY NEW ENTRANCE APN: 113-28-004F FLAGSTAFF, AZ, 86004

DEVELOPEMENT NAME:
SITE ADDRESS:
ASSESSOR'S PARCEL NUMBER:
PROPERTY OWNER:
APPLICANT:
PREPARER:

111 APN: 113-28-004F 801 CHECKERBOARD SQUARE TAX DEPT 4C SAINT LOUIS, MO 63164 NESTLE PURINA INC. HIGH COUNTRY ENGINEERING, INC. TYLER DERZAY 2112 S HUFFER LN. FLAGSTAFF, AZ 86001 (928) 123-4567

PURINA FACILITY NEW ENTRANCI



C2D C3 C4 C5 C6

CONCEPT A

CONSTRUCT APPROVAL BY WITHOUT C.O.F. REVIEW. ADDIT

CITY ENGIN

BY SIGNING THE PLANS HAVE BEI ADDRESSED ANY

LID CALCULATIONS TOTAL VOLUME = 6,000 CU.FT.

> C1A C1B C2A C2B C2C

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N. THE MAXIMUM THICKNESS OF A SINGLE LIFT OF PAVEMENT SHALL BE FOUR (4) INCHES. (ORD. 2017-22, REP&REEN, 07/05/2017)

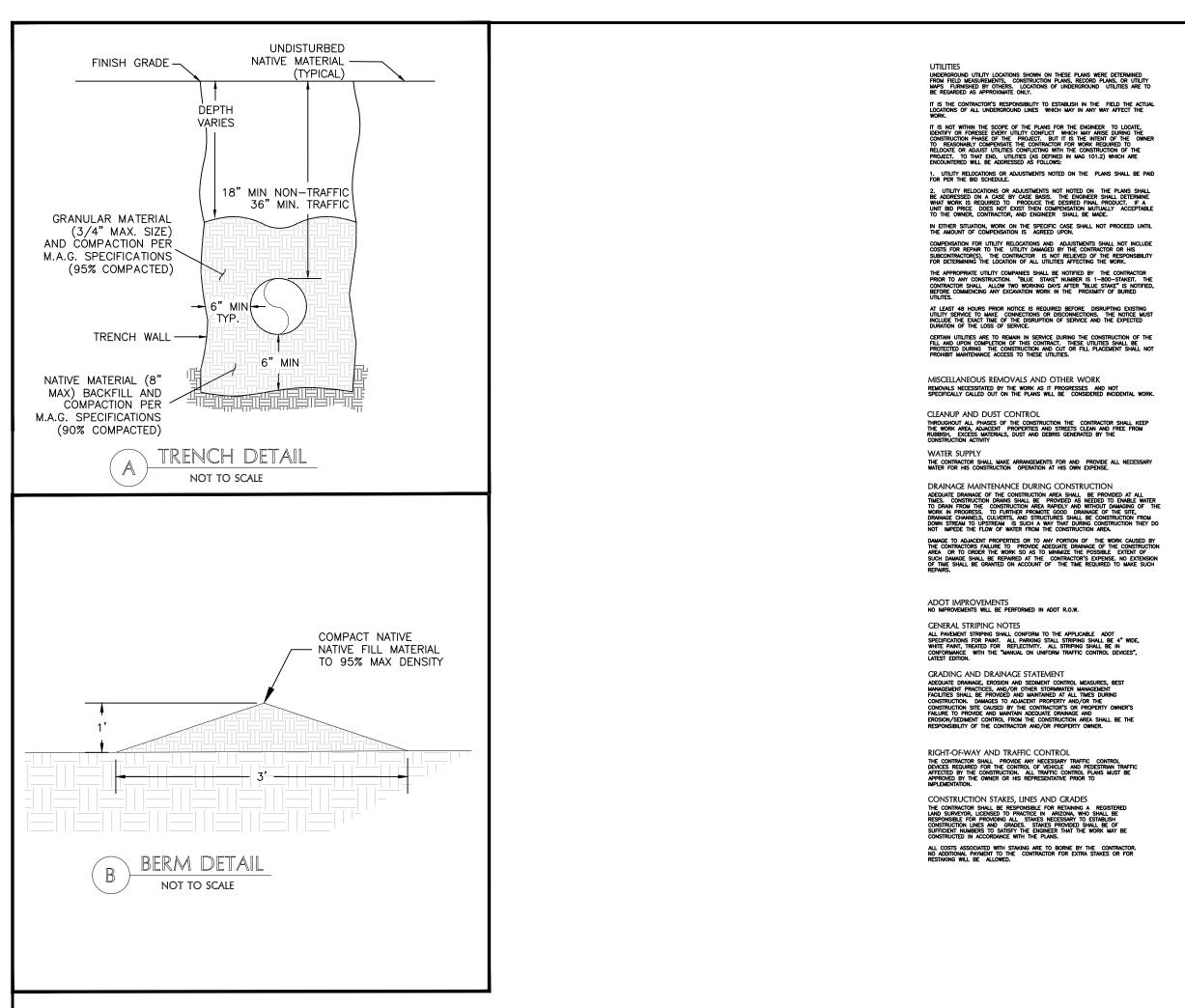
FEMA INFORMATION THIS PARCEL HAS A ZONE 'X' CLASSIFICATION (AREA OF MINIMAL FLOOD HAZARD) PER FEMA FIRM PANEL 6827.

ADDED IMPERVIOUS AREA = 33.207 SF

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COVER GENERAL NOTES (CONT.) DETAILS (RETAINING WALL) DETAILS (RETAINING WALL) (CONT.) DETAILS (STORMTECH CHAMBERS) DETAILS (STORMTECH CHAMBERS) (CONT. GENERAL SITE PLAN CONSTRUCTION PLAN (RETAINING WALL) CONSTRUCTION PLAN (CHAMBERS) ROAD PROFILE)
YAL PROVAL VES THESE PLANS FOR CONCEPT ONLY. THE CITY SHALL NOT BE LIABLE FOR SSIONS OF THE DESIGN ENGINEER ION AUTHORIZATION WE CITY OF LOSTATE IS EFFILIED. DRIVE TO BEGINNING OF CONSTRUCTION	
LE CITY OF FLAGSTAFF IS REQUIRED PRIOR TO BEGINNING OF CONSTRUCTION. APPROVAL THESE PLANS HAVE NOT BEEN COMPLETED WITH RESPECT TO AGENCY NALLY, IT IS THE OWNER/CONTRACTORS RESPONSIBILITY TO OBTAIN THE WITS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES ON THIS PROJECT.	_
ER DATE	
RKS DIRECTOR DATE	-
VICES DIRECTOR DATE	_
DESIGNER DATE	-
E Plans the designer of the landscaping plans confirms that these gradii n reviewed, is aware of the scope of the project, and has identified and potential conflict between the landscaping and grading plan.	łG

HICH COUNTRY ENCINEERING, INC 212 S HUFFER LN FLACSTAFF, ARIZONA 86001 PHONE (928) 123-4567			
COVER SHEET AND NOTES PURINA FACILITY NEW ENTRANCE APN: 113-28-004F 4700 E NESTLE PURINA AVE FLAGSTAFF, AZ, 86004			
PRCHMMPST HECTON CONSTRUCTION RECOMME			
DULL THO WORKING DAYS BEFORE YOU DO DULL B1 BLUE STIME CENTER PROJECT PURINA ENTRANCE PROJECT PURINA ENTRANCE PROJECT PURINA ENTRANCE COVER SHEET AND NOTES drawn by: TLD reviewed by: TLD date: 12/01/2022			
revisions: date: date: date: sheet C1A of 10			



COF EROSION CONTROL NOTES

EROSION CONTROL SHOULD BE PROVIDED PER CHAPTER 13-17 OF THE CITY OF FLAGSTAFF CITY CODE.

FROM CITY OF FLAGSTAFF CODE DIVISION 13-17-001:

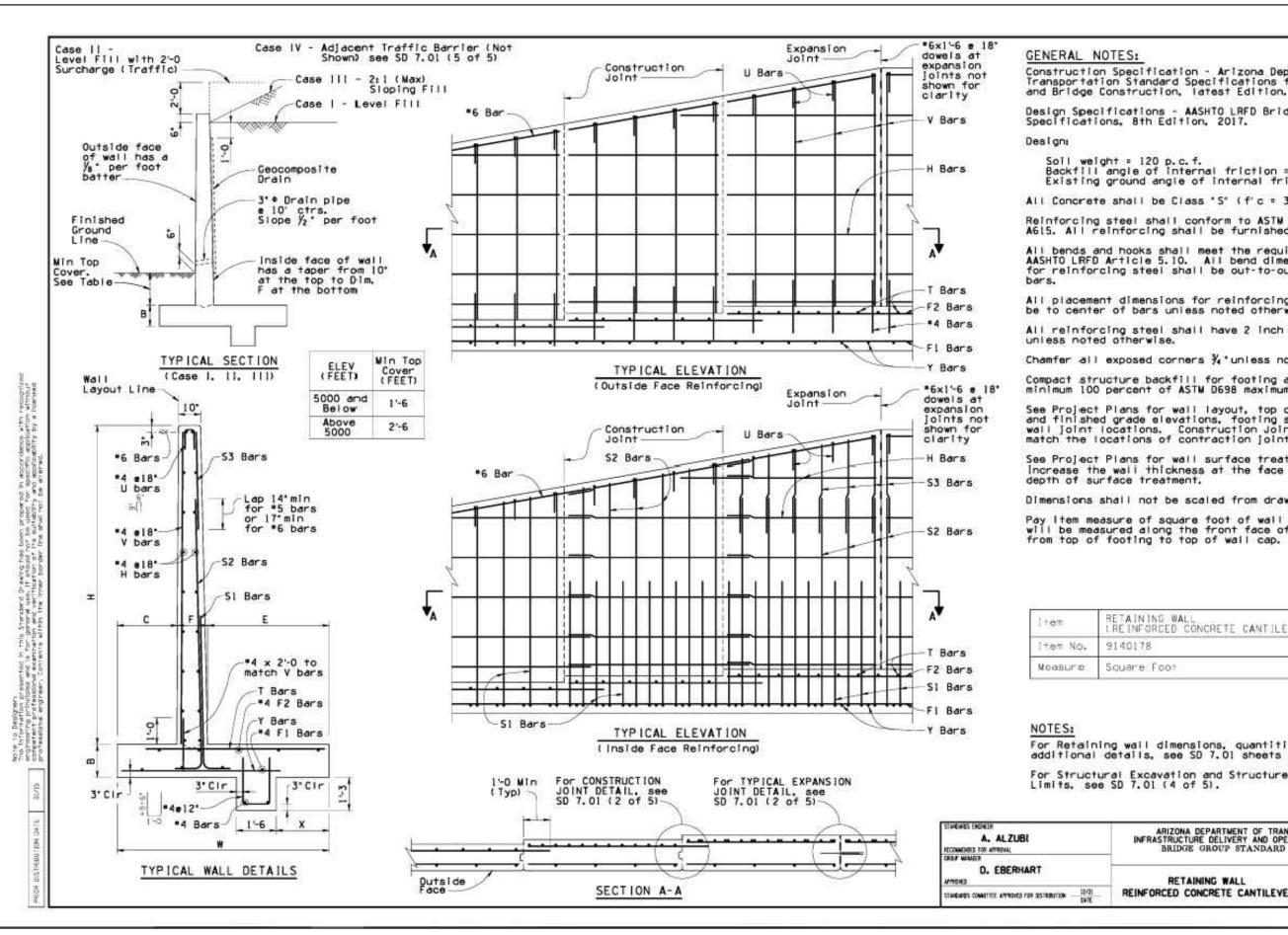
EROSION CONTROL APPLIES TO IMPROVEMENTS WITHIN THE CITY AND AS PART OF THE EROSION CONTROL SECTION OF A STORWARER POLLUTION PREVENTION PLAN (SWPPP), MATERIALS, MEANS AND METHODS FOR EROSION CONTROL AND STABILIZATION, BEST MANAGEMENT PRACTICES (BMIPS), EROSION CONTROL PLANS (EOPS), AND SWPPPS ARE DESCRIBED IN THE CITY OF FLAGSTAFF STORWATER DESIGN IMANUL.

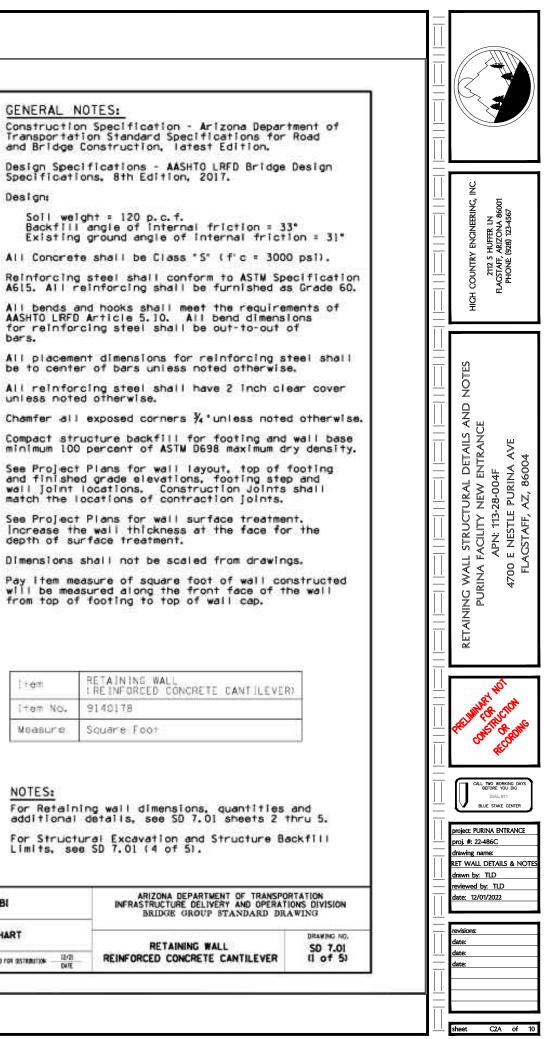
THE OWNER, DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE NATIONAL POLLUTIANT DISCHARGE ELIMINATION SYSTEM (MPOES) PERMIT PROGRAM. THIS GENERALLY INCLUDES SUBMITAL OF A NOTICE OF INTENT TO THE ARGUNA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AND NOTICE OF TERMINATION TO ADEO FOR THE PROGRAM TO HEAD AND MELLIENTATION OF TERMINATION TO ADEO FOR THE PROGRAM TO HEAD AND MELLIENTATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE SITE IS REQUIRED IN ACCORDANCE WITH ADEQ AND CITY OF FLAGSTAFF ENGINEERING STANDARDS.

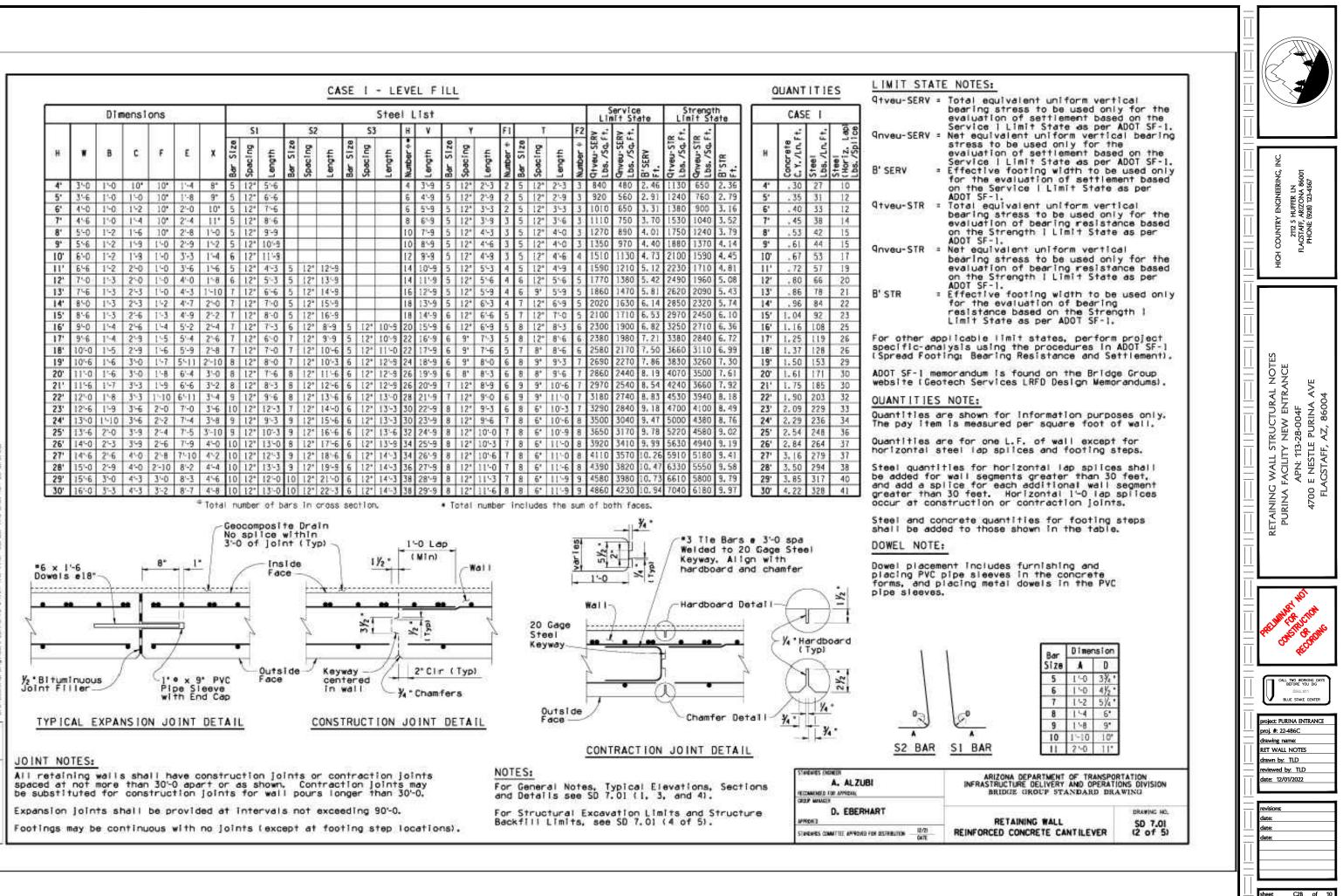
ALL DISTURBED AREAS WITHIN THE PROJECT SITE AND AS SHOWN ON THE PLANS SHALL BE STABILIZED, WORK SHALL BE PERFORMED ACCORDING TO THE PROVISIONS OF THIS SECTION AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FURNISHING, HAULING, PLACEMENT AND APPLICATION OF EROSION CONTROL MATERNAS.

IT IS RECOMMENDED THAT CONTRACTORS SEE THE ADEQ SMART NOI (NOTICE OF INTENT) PROGRAM WEBSITE FOR INFORMATION AND PROCESSES. (HTTP://AZ.GOV/WEBAPP/NOI/MAIN.DO) (ORD. 2017-22, REP&REEN, 07/05/2017)

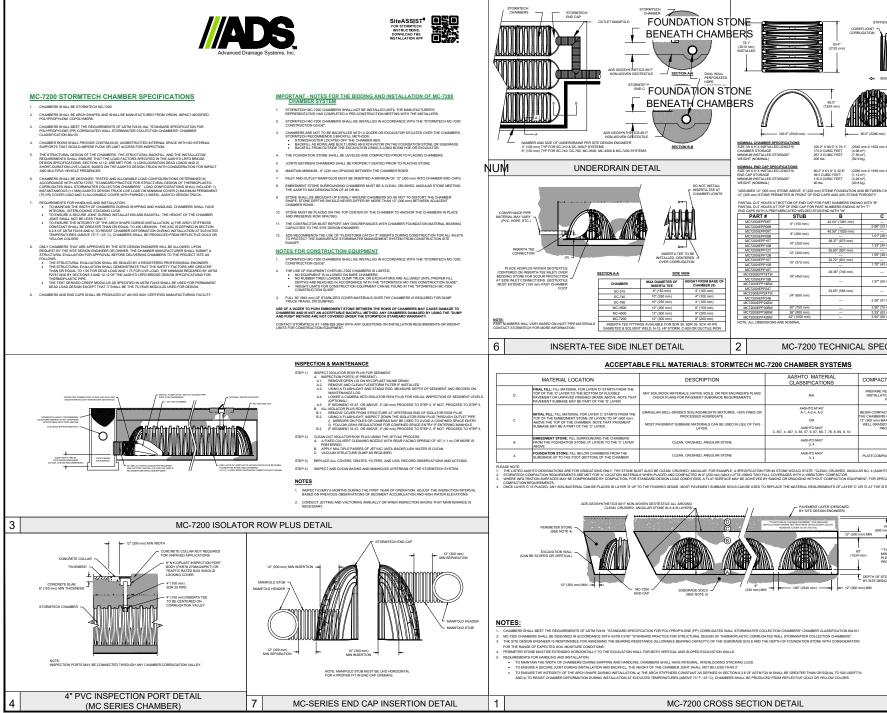






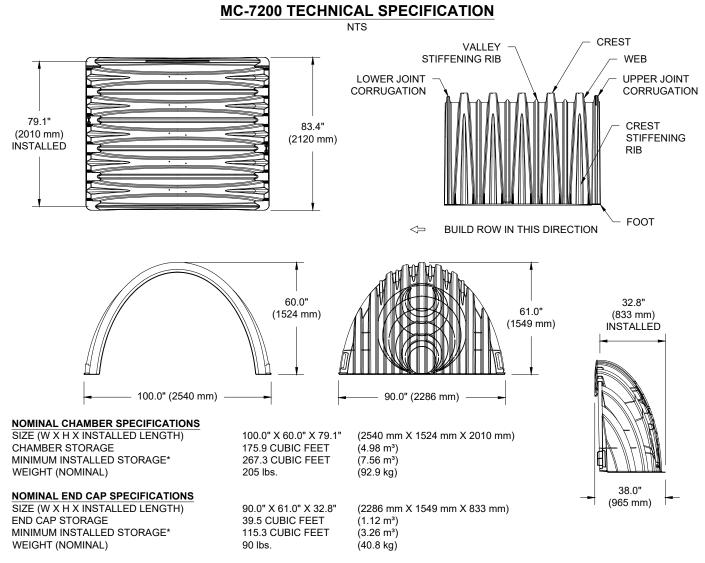


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Image: Season (Season		MC-/200	STANDARD DETAILS	ZOWACED DAVINGE SYSTERS, INC, FLUST MAS REPARED THE BASED ON REFERENCES STANDARDS, ADS HAD NOT REFOCUNED ANY BAGINEERING OF DESIGN SERVICES FOR THIS PROJECT, NOR HAS LADS INCERFAUGENT V REPARED THE INCOGONE. TAKES THE REFORM SOME SYSTERS IN A SYSTERS ANY SERVICES FOR THIS PROJECT, NOR HAS LADS INCERFAUGENT V REPARED THE INCOGONE ANY BAGINEERING FOR THAN PROJECT, NOR HAS LADS INCERFAUGENT V REPARED THE INCOGONE ANY BAGINEERING FOR THAN PROJECT, NOR HAS LADS INTERCARDED ANY BAGINEERING FOR THAN PROJECT, NOR HAS LADS INTERCARDED ANY BAGINEERING FOR THAN PROJECT, NOR HAS LADS INCERFAUSED FOR THAN PROJECT AND A SYSTERS ANY SERVICES FOR THAN PROJECT, NOR HAS LADS INTERCARDED ANY BAGINEERING FOR THAN PROJECT AND A SALAR THAN PROVED FOR THAN PROJECT AND A SALAR THAN PROVED FOR THAN FOR THAN PROVED FOR THAN PROV
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STE DESIGN ENGINEER'S DISCRETION		StormTech®	CHAILINGT 3 95 8911	REFERENCED STANDAR HE PLANS ARE SIGNED NAL, STATE, OR LOCAL
"THIS CROSS SECTION OF TAIL REPRESENTS MANAUAR RECOMMENTS FOR INSTALLATOR, MANAUAR RECOMMENTS FOR INSTALLATOR, RECEIPTION OF A SECTION OF A SECTION PROJECT SPECIFIC RECOMMENTS. STONE TO BE OF TERMINED SIGN ENGINEER O' (20 mm) MM			multic MILLIAKU, OH 43026	OST) HAS PREPARED THIS DETAIL BASED ON NOT SPECIFIC FOR THIS PROJECT, UNLESS 1 IMEETS OR EXCEEDS THE APPLICABLE NATIO
	5		Advanced Drainings System	CED DRAINAGE SYSTEMS, INC. (74 AL RECOMMENDATIONS AND ARE E THE DETAILS PROVIDED HEREIN
				ADVANK GENER/ ENSURE

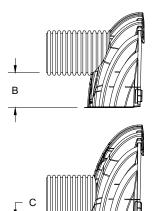




*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION AND BETWEEN CHAMBERS, 12" (305 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

PARTIAL CUT HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B" PARTIAL CUT HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T" END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

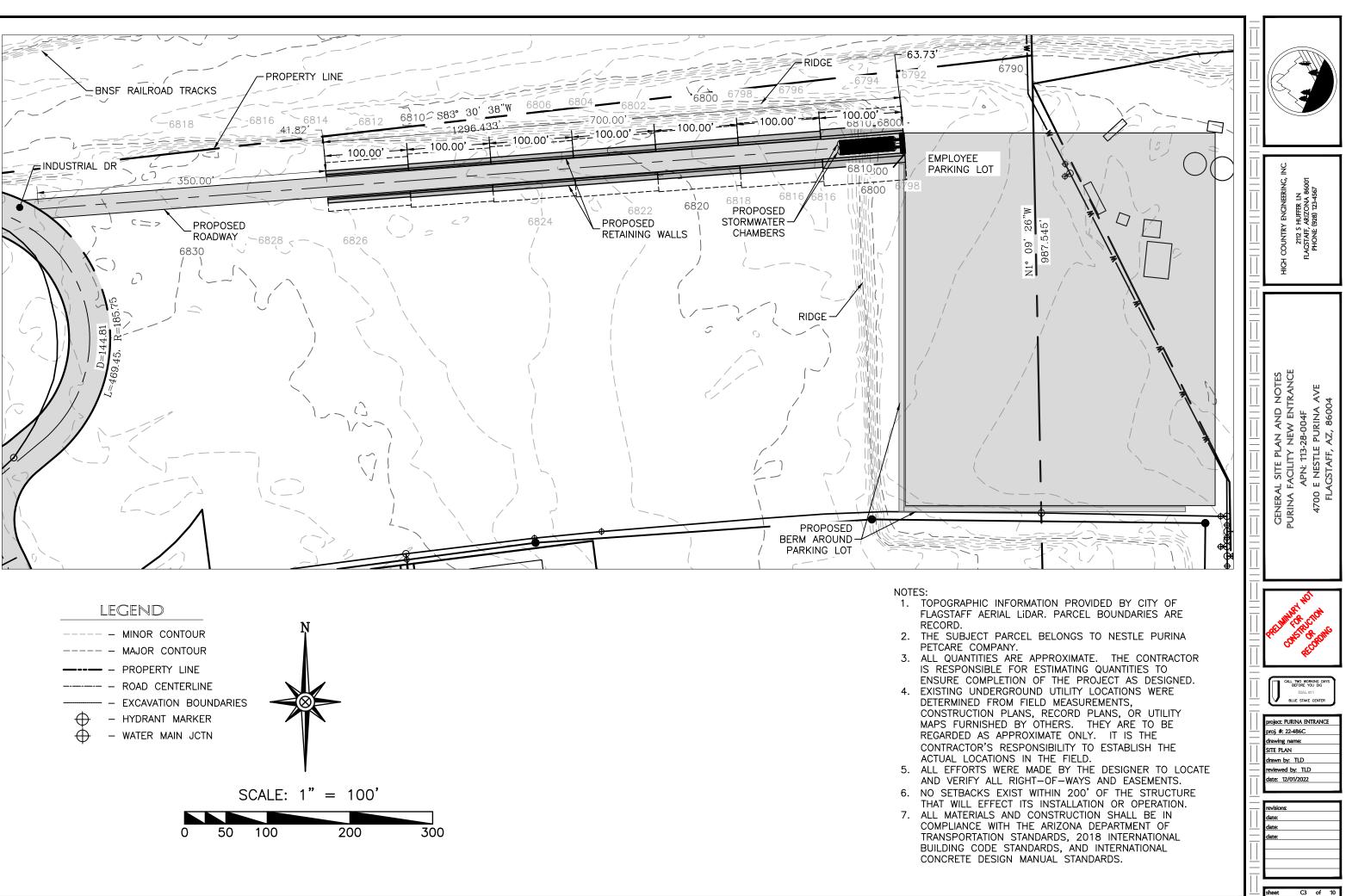
PART #	STUB	B	С	
MC7200IEPP06T	6" (150 mm)	42.54" (1081 mm)		
MC7200IEPP06B	6" (150 mm)		0.86" (22 mm)	
MC7200IEPP08T	8" (200 mm)	40.50" (1029 mm)		
MC7200IEPP08B	8 (200 mm)		1.01" (26 mm)	
MC7200IEPP10T	10" (250 mm)	38.37" (975 mm)		
MC7200IEPP10B	10 (250 mm)		1.33" (34 mm)	
MC7200IEPP12T	12" (300 mm)	35.69" (907 mm)		
MC7200IEPP12B			1.55" (39 mm)	
MC7200IEPP15T	15" (375 mm)	32.72" (831 mm)		
MC7200IEPP15B	15 (575 mm)		1.70" (43 mm)	
MC7200IEPP18T		20.26" (746 mm)		
MC7200IEPP18TW	18" (450 mm)	29.36" (746 mm)		
MC7200IEPP18B	10 (400 mm)		1.97" (50 mm)	
MC7200IEPP18BW			1.97 (30 mm)	
MC7200IEPP24T		23.05" (585 mm)		
MC7200IEPP24TW	24" (600 mm)	23.03 (303 mm)		
MC7200IEPP24B	24 (000 mm)		2.26" (57 mm)	
MC7200IEPP24BW			2.20 (07 11111)	
MC7200IEPP30BW	30" (750 mm)		2.95" (75 mm)	
MC7200IEPP36BW	36" (900 mm)		3.25" (83 mm)	
MC7200IEPP42BW 42" (1050 mm)			3.55" (90 mm)	

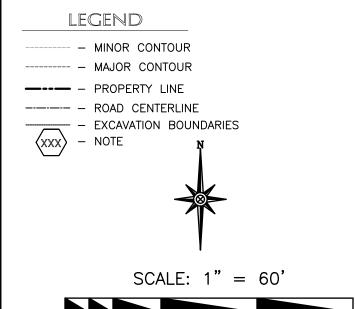


CUSTOM PREFABRICATED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-7200 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

NOTE: ALL DIMENSIONS ARE NOMINAL







30

60

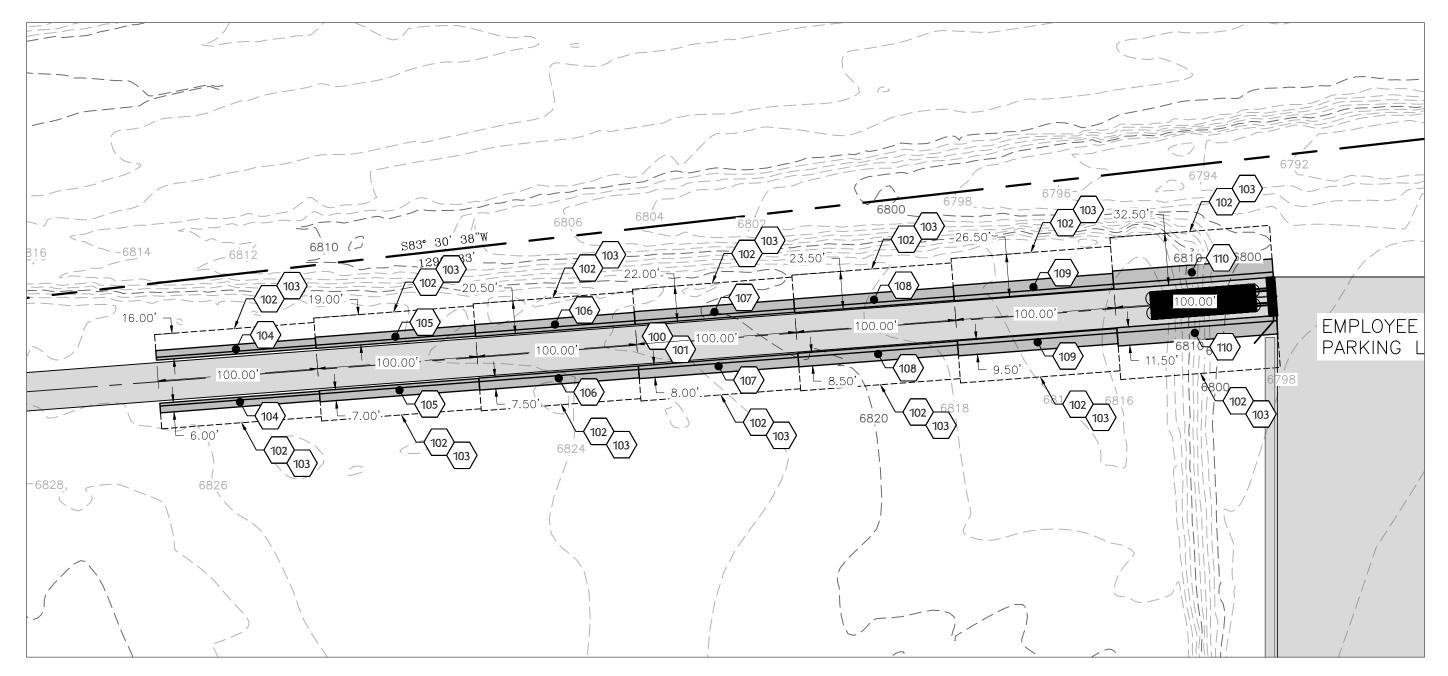
120

180

CONSTRUCTION NOTES

100	1	LS
101	1	LS
102	14,417	CY
103	9,475	CY
104	200	LF
105	200	LF
106	200	LF
107	200	LF
108	200	LF
109	200	LF
110	200	LF

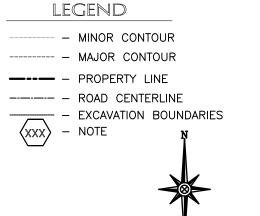
ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RE-SEEDED TO PREVENT EROSION. SEE C.O.F. C CUT: SEE NOTES SHEET, 'C2'. CUT SHOWN DOES NOT INCLUDE BUILDING QUANTITIES. SEE NOTES BELC FILL: SEE NOTES SHEET, 'C2'. FILL SHOWN DOES NOT INCLUDE BUILDING QUANTITIES. SEE NOTES BELC CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' & CONSTRUCT RETAINING WALL PER PROFILE ON SHEET 'C9' & STRUCTURAL DRAWING ON SHEET 'C3' &



CLEAR AND GRUB SITE: SEE NOTES SHEET, 'C1'.

GENERAL NOTES #20.						
LOW.						
_OW.						
с	DIMENSIONS	PER	10'	HEIGHT	PER	'C4'.
С	DIMENSIONS	PER	12'	HEIGHT	PER	'C4'.
С	DIMENSIONS	PER	13'	HEIGHT	PER	'C4'.
С	DIMENSIONS	PER	14'	HEIGHT	PER	'C4'.
С	DIMENSIONS	PER	15'	HEIGHT	PER	'C4'.
С	DIMENSIONS	PER	17'	HEIGHT	PER	'C4'.
С	DIMENSIONS	PER	21'	HEIGHT	PER	'C4'.





- - ΕA REMOVAL AS NEEDED.

