

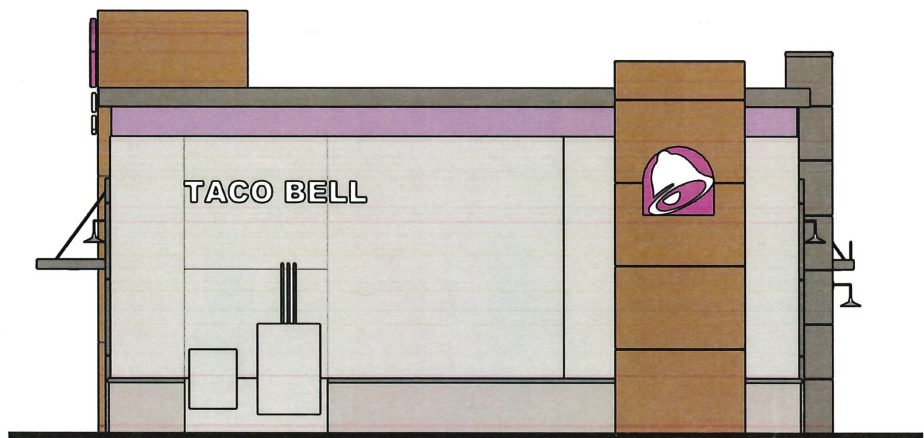
FRONT ELEVATION

B



RIGHT SIDE ELEVATION

A



REAR ELEVATION

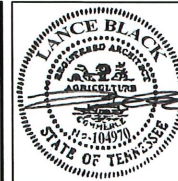
D



LEFT SIDE ELEVATION

C

3-L-20-SU



ISSUE FOR
CONSTRUCTION
10/07/2019

REV	DATE	DESCRIPTION



TACO BELL
2085 N BROADWAY ST
KNOXVILLE, TN

BLACK DESIGN
ARCHITECTURE
215 E 1ST AVENUE NORTH
SUITE 202
BIRMINGHAM, AL 35203
P: 205-888-8822
EMAIL: LB@BLACKDESIGNARCH.COM

black

SHEET TITLE: COLORED EXTERIOR ELEVATIONS
PROJECT NUMBER: 18-822
ISSUE DATE:
DRAWN BY: JS
CHECKED BY: LB

SHEET NUMBER
A4.6

C:\USERS\MIKEGRAY\TACALA, LLC\IN OFFICE CAD SYNC - DOCUMENTS\JOB FILES\2018\18020 N. BROADWAY\DWG\18020 PROLDWG

PROPOSED TACO BELL RESTAURANT

2085 N. BROADWAY
KNOXVILLE, TN 37917
SITE #283291

CONTACT LIST:

BUILDING DEPARTMENT
PLANS REVIEW AND INSPECTIONS DIRECTOR
PETER AHRENS
PAHRENS@KNOXVILLE.TN.GOV
865.215.3669
400 MAIN ST., SUITE 475
KNOXVILLE, TN 37902

POLICE DEPARTMENT
POLICE CHIEF
EVE M. THOMAS
CHIEFOFPOLICE@KNOXVILLE.TN.GOV
865.215.7000
800 HOWARD BAKER JR. AVE.
KNOXVILLE, TN 37915

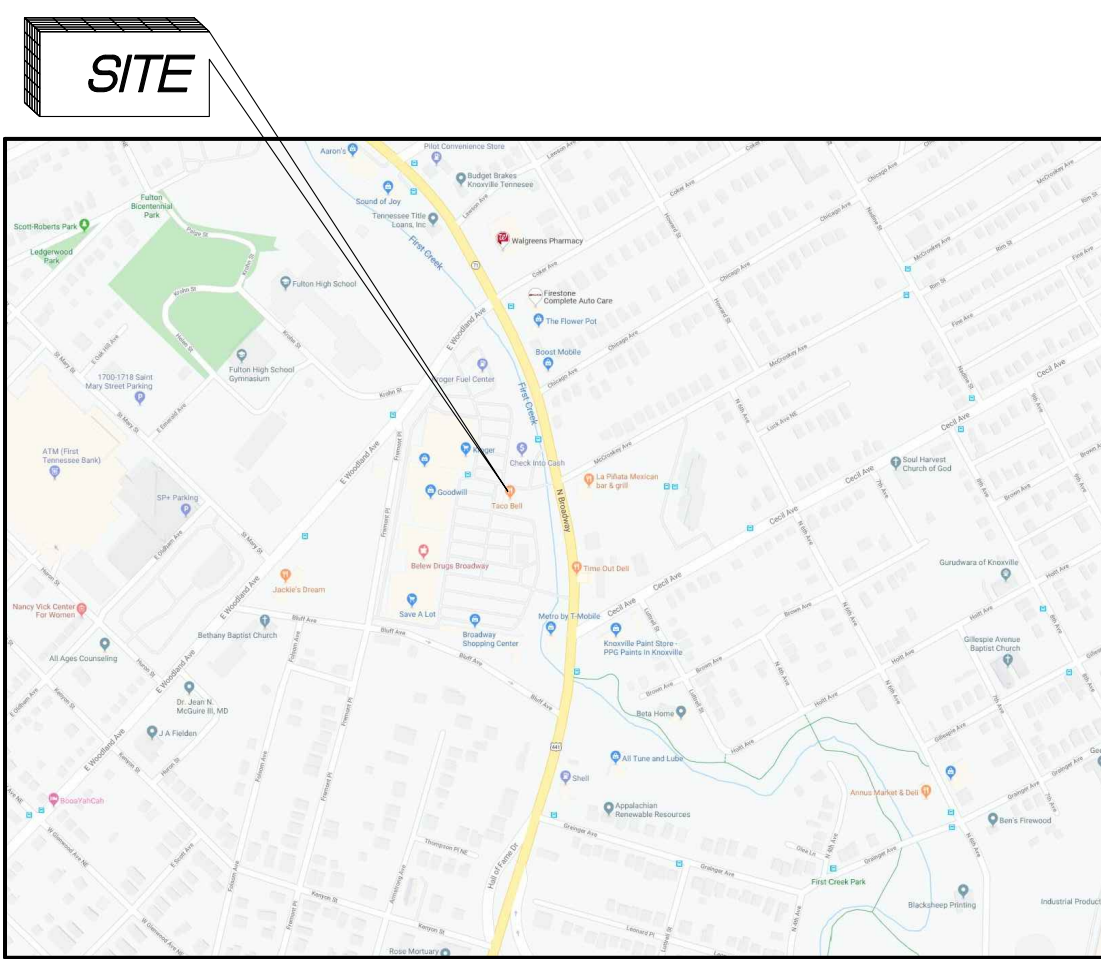
FIRE DEPARTMENT
FIRE CHIEF
STAN SHARP
SSHARP@KNOXVILLE.TN.GOV
865.595.4480
900 E. HILL AVE., SUITE 430
KNOXVILLE, TN 37915

WATER
KNOXVILLE UTILITIES BOARD (KUB)
865-524-2911
WWW.KUB.ORG

SEWER
KNOXVILLE UTILITIES BOARD (KUB)
865-524-2911
WWW.KUB.ORG

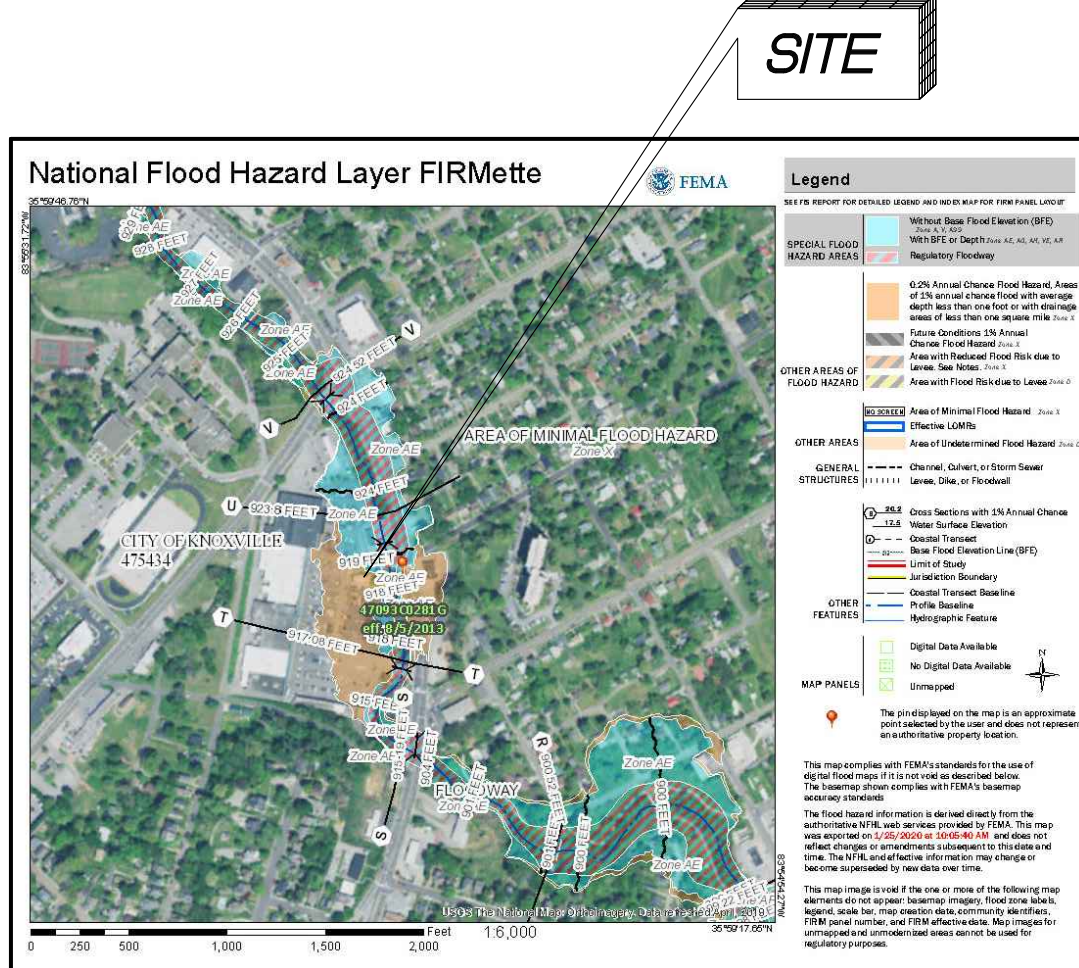
GAS
KNOXVILLE UTILITIES BOARD (KUB)
865-524-2911
WWW.KUB.ORG

POWER
KNOXVILLE UTILITIES BOARD (KUB)
865-524-2911
WWW.KUB.ORG



VICINITY MAP

N.T.S.



FEMA MAP

N.T.S.

NOTE: THIS PROPERTY IS CURRENTLY LOCATED IN ZONE AE (AREAS SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD, WITH BASE FLOOD ELEVATION DETERMINED), AND IN ZONE X (AREAS SUBJECT TO THE 0.2% ANNUAL FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE), AS DEPICTED ON FEMA FLOOD PANEL 47093C0281 G, EFFECTIVE AUGUST 5, 2013.

SUBMITTAL DATE:

CITY OF KNOXVILLE, TN - FEBRUARY 19, 2020



3-L-20-SU

Revised: 2/25/2020

SHEET INDEX:

- | | |
|-----------|---------------------------------|
| C0 | COVER SHEET |
| C1 | SURVEY/DEMO/CLEARING PLAN |
| C1.1-C1.3 | TRAFFIC CONTROL PLANS |
| C1.4 | TYPICAL SECTION & GENERAL NOTES |
| C2 | SITE PLAN |
| C3 | GRADING PLAN |
| 3.1 | DRAINAGE PLAN |
| C3.2 | STORM PROFILES |
| C4 | UTILITY PLAN |
| C5 | EROSION CONTROL PLAN |
| C6 | LANDSCAPING PLAN |
| C7 | SITE LIGHTING PLAN |
| C8-13 | SITE DETAILS |
| C14 | EROSION CONTROL DETAILS |
| C15 | UTILITY DETAILS |
| C16 | IRRIGATION DETAILS |
| C17 | LANDSCAPING DETAILS |

ZONING INFORMATION

CURRENT ZONING: C-G-2 (GENERAL COMMERCIAL DISTRICT)
PROPOSED ZONING: NO CHANGE

EXISTING USE: TACO BELL
PROPOSED USE: TACO BELL

PARCEL INFORMATION

OWNER: BROADWAY CENTER PARTNERSHIP
PO BOX 22013
KNOXVILLE, TN 37933
PARCEL ID: 081EF00802
CITY BLOCK: 11140

PLANNING FILE NUMBER

3-L-20-SU

CONTRACTOR INFORMATION

--	--

APPROVALS

ELECTRIC	_____
GAS	_____
WATER	_____
WASTEWATER	_____
FIRE	_____
ENGINEERING	_____
BUILDING	_____

REVISIONS

02/19/2020 RELEASE FOR REVIEW



TACO BELL RESTAURANT

2085 NORTH BROADWAY KNOXVILLE, TN 37917

SITE #283291

TACALA

3750 CORPORATE WOODS DRIVE
VESTAVIA HILLS AL 35242
205.443.9300
WWW.TACALACOM



JOB NO: 18020
DWG NAME: 18020 PROJ

TITLE
SHEET

SHEET:

C0

DATE: 2/24/20

24-HR EMERGENCY CONTACT: MIKE GRAY, P.E. 205.283.7413

C:\USERS\MIKEGRAY\TACALA, LLC\WORK OFFICE CAD SYNC - DOCUMENTS\JOB FILES\2018\18020 N. BROADWAY\DWG\18020 PROLDWG



ALL STRUCTURES, PAVEMENT, FENCING, CONCRETE AND OTHER SITE ITEMS TO BE REMOVED TO PROPERTY LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND REMOVING ALL TREES IN CONFLICT WITH NEW CONSTRUCTION. ALL UTILITIES WITHIN THE SITE WILL BE MODIFIED OR REMOVED. SEE SHEET C4 FOR NEW CONNECTIONS TO DETERMINE HOW EXISTING UTILITIES WILL BE REMOVED OR RELOCATED.

ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.

3-L-20-SU
Revised: 2/25/2020

DEMOLITION LEGEND

---	PROPERTY LINE
---	EASEMENT LINE
---	SETBACK LINE
-X-X-X-X-	CHAIN LINK FENCE
---	GAS
---	GAS SERVICE
---	SS
---	SANITARY SEWER
---	OHE
---	OVERHEAD ELECTRIC
---	CATV
---	UNDERGROUND CABLE
---	W
---	WATER SERVICE
---	STORM SEWER PIPE
---	EXISTING CONCRETE
---	EXISTING CURB AND GUTTER
STOP	STOP BAR (PAVEMENT MARKING)
---	"HANDICAP PARKING" SIGN
---	"STOP" SIGN (R1-1)
---	HANDICAP STALL
---	WHEEL STOP
---	A.D.A. STD HANDICAP RAMP
---	STORM SEWER GRATE
---	ELECTRICAL TRANSFORMER
---	SANITARY SEWER CLEAN OUT
---	SANITARY SEWER MANHOLE
---	FIRE HYDRANT
---	GATE VALVE
---	FIRE DEPARTMENT CONNECTION

DEMOLITION NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AND PIPING WHICH MIGHT INTERFERE WITH DEMOLITION. ANY DAMAGES TO UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL DEBRIS NOT ACCEPTABLE TO THE OWNER AND ENGINEER.
3. AT LOCATIONS TO RECEIVE NEW SIDEWALK, ASPHALT OR CURB & GUTTER, CONTRACTOR WILL SAW-CUT AND REMOVE EXISTING MATERIAL FROM SITE. CONTRACTOR WILL PREPARE SUBGRADE FOR INSTALLATION OF NEW MATERIAL.
4. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITIES BEFORE CONSTRUCTION AND VERIFYING LOCATION OF ALL UTILITIES ON OR IN THE VICINITY OF THE WORK, WHETHER SHOWN ON THE PLANS OR NOT.
5. TREE(S) TO BE DEMOLISHED SHALL BE CLEARED AND GRUBBED. NO BURNING SHALL BE ALLOWED ON OWNER'S PROPERTY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND COST OF THE RELOCATION OF ALL UTILITIES ALONG THE RIGHT OF WAY AND ON THE SITE ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT, SUCH AS, BUT NOT LIMITED TO, SIGNAL POLES, SIGNAL CONTROLS, DRAINAGE STRUCTURES, TRAFFIC SIGNS, UTILITY POLES, GUY WIRES, ETC.
7. CONTRACTOR SHALL ERECT A 4' ORANGE CONSTRUCTION FENCE AROUND THE CONSTRUCTION AREA IF SHOWN ON THIS PLAN. ALL WORK, INCLUDING MATERIAL STORAGE, SHALL BE KEPT WITHIN THIS AREA. CONTRACTOR SHALL RESTORE THE CONSTRUCTION AREA TO A CONDITION ACCEPTABLE TO OWNER.
8. FENCING, GATE, EROSION CONTROL, AND "NO TRESPASSING" SIGNS TO BE PLACED AT ENTRANCES OF CONSTRUCTION BOUNDARIES IF SHOWN ON THIS PLAN.
9. CAP ALL UTILITIES EXCEPT THOSE SERVING FUTURE BUILDING.
10. WATER AND SEWER LINES TO BE REMOVED TO BOUNDARY OF CONSTRUCTION AND CAPPED/STUBBED.
11. DEMOLITION CONTRACTOR TO PROTECT ANY EXISTING TRANSFORMER UNTIL POWER COMPANY REMOVES FROM SITE.
12. OWNER SHALL BE RESPONSIBLE FOR INVESTIGATION OF ASBESTOS IN ANY EXISTING STRUCTURES. GENERAL CONTRACTOR TO EVALUATE ASBESTOS REPORT PROVIDED AND INCLUDE PRICING IN HIS BID. DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL IF ANY EXISTS.
13. CONTRACTOR SHALL VERIFY LOCATIONS OF ANY EXISTING METERS AND COORDINATE WITH UTILITY COMPANY AS TO WHETHER METERS CAN REMAIN IN PLACE UNDER NEW SITE LAYOUT.
14. CONTRACTOR SHALL INSTALL ALL APPLICABLE ADVANCE WARNING TRAFFIC CONTROL DEVICES AS REQUIRED WHEN WORKING IN R.O.W. AND SHALL FOLLOW ALL GUIDELINES AS SPECIFIED IN THE M.U.T.C.D.
15. CONTRACTOR SHALL ASSUME VARIATIONS IN CONCRETE AND ASPHALT THICKNESS TO BE REMOVED AND SHALL BID ACCORDINGLY. NO INCREASE IN PAYMENT SHALL BE ALLOWED BASED ON ACTUAL VERSUS ASSUMED NORMAL THICKNESS OF MATERIAL.

REVISIONS

02/19/2020 RELEASE FOR REVIEW



TACO BELL RESTAURANT
2085 NORTH BROADWAY KNOXVILLE, TN 37917
SITE #283291

TACALA
3750 CORPORATE WOODS DRIVE
VESTAVIA HILLS AL 35242
2054463900
WWW.TACALA.COM



JOB NO: 18020
DWG NAME: 18020 PROJ

SURVEY/DEMO/
CLEARING PLAN

SHEET:
C1

DATE: 2/24/2020



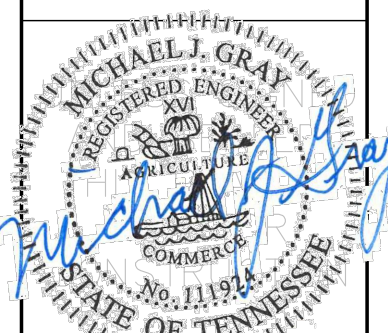
TACO BELL RESTAURANT

2085 NORTH BROADWAY KNOXVILLE, TN 37917

SITE #283291

TAC★LA

1750 CORPORATE WOODS DRIVE
VESTAVIA HILLS, AL 35242
205.443.9600
WWW.TACALA.COM



JOB NO.: 18020

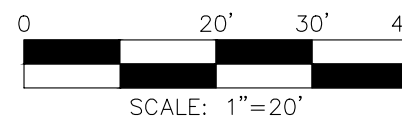
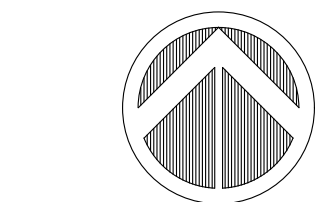
DWG NAME: 18020 PROJ


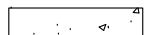

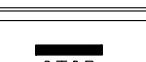







SITE PLAN

SHEET:

C2

DATE: 2/24/20



	PROPERTY LINE
	EASEMENT LINE
	SETBACK LINE
	CONCRETE SIDEWALK (SEE DETAIL)
	CONCRETE CURB AND GUTTER (SEE DETAIL)
	STOP BAR (PAVEMENT MARKING)
	TRAFFIC FLOW ARROW (PAVEMENT MARKING)
	"STOP" SIGN (R1-1)
	ACCESSIBLE STALL AND DESIGNATED VAN STALL
	A.D.A. STD ACCESSIBLE RAMP
	STORM SEWER GRATE

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND SITE WORK SPECIFICATIONS AND SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.
2. REFERENCE ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS AND ITEMS NOT SHOWN ON THESE PLANS.
3. TOPOGRAPHIC BOUNDARY SURVEY, PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY:

TTL
2890 RICE MINE ROAD
TUSCUMBIA, AL 35406
PHONE: 205-561-3778
4. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED. ALL DIMENSIONS SHOWN TO BUILDINGS ARE TO OUTSIDE FACE OF BUILDING.
5. ALL ACCESSIBLE PARKING SIGNS AND STRIPING SHALL BE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS AND APPLICABLE STATE CODES OR REQUIREMENTS.
6. ALL TRAFFIC SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND APPLICABLE STATE DOT REQUIREMENTS, AND IS RESPONSIBILITY OF SITE CONTRACTOR.
7. ALL STRIPED OR CURBED RADII SHALL BE 2.5' AT THE FACE OF CURB UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ANY EXISTING IMPROVEMENTS, ON SITE OR OFF SITE, SUCH AS PAVEMENT, UTILITIES, STORM DRAINAGE, ETC. THE REPAIR MUST BE APPROVED BY THE ENGINEER AND BE EQUAL OR BETTER THAN EXISTING CONDITIONS.
9. ALL PARKING LOT LIGHTING POLES, BASES, FIXTURES WITH LAMPS AND REQUIRED PAINT WILL BE INSTALLED BY THE GENERAL CONTRACTOR'S ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE OWNING A ONE YEAR WARRANTY CERTIFICATE. ALL INCURRED COSTS FOR RECEIVING, UNWRAPPING OF FACTORY PAINTED POLES, STORAGE, LIABILITY AND WARRANTY LABOR SHALL BE INCLUDED IN THE INSTALLATION CONTRACT PRICE.
10. CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS.
11. SITE CONTRACTOR SHALL SUPPLY AS-BUILT PLANS INDICATING ALL CHANGES AND DEVIATIONS FROM THE DESIGN DOCUMENTS. SITE CONTRACTOR SHALL ALSO PROVIDE AS-BUILTS AS PART OF THE CONTRACT FOR STORM, SANITARY AND WATER LINES, IF REQUIRED BY THE GOVERNING AUTHORITY.
12. ANY DEVIATION FROM THESE PLANS MAY CAUSE THE WORK TO BE UNACCEPTABLE.
13. ANY UNANTICIPATED CONDITIONS ENCOUNTERED DURING THE CONSTRUCTION PROCESS SHALL BE IDENTIFIED TO THE OWNER/ENGINEER IMMEDIATELY.
14. ALL SITE CONCRETE SHALL BE 3,500 PSI 28 DAY COMPRESSIVE STRENGTH.
15. ALL CURB WITHIN THE DEVELOPMENT SHALL BE 6" HEADER CURB. CURB AND GUTTER, WHEN SHOWN IN PARKING LOTS, SHALL BE 18". ALL OTHER CURB TO BE 24" AND 30" IN R.O.W. UNLESS OTHERWISE SPECIFIED.
16. PARKING LOT STRIPING SHALL BE INCLUDED IN PAVING CONTRACTOR'S SCOPE OF WORK. STRIPING WILL BE ACCORDING TO OWNER'S SPECIFICATIONS. ALL STRIPING IS TO HAVE TWO (2) COATS OF PAINT (MIN).
17. THE SITE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WORK AND APPEARANCES TO WITHIN 5' OF THE BUILDING.
18. CONTRACTOR TO INCLUDE CONCRETE BOLLARDS FOR PROTECTION OF BUILDING CORNERS, TRANSFORMERS, VAULTS, LIGHTING POLES, AND OTHER FIXTURES NEAR DRIVE ISLES AS SHOWN ON THIS PLAN.
19. BUILDING CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT.
20. ALL GUTTER SECTIONS OF CURB AND GUTTER AND ALL CONCRETE APPROX IN PARKING STALLS SHALL HAVE THE SAME SLOPE AS THE PAVEMENT WITHIN THE PARKING LOT AS SHOWN ON THE GRADING PLAN. CONTRACTOR MUST EVALUATE GRADING PLAN PRIOR TO POURING THESE ITEMS.

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%

1. CONTRACTOR TO LEAVE OUT 2" CURB AND GUTTER AT LOCATION OF ADA RAMP, 7' AT OTHER RAMPs, AND ANY OTHER AREAS AS DIRECTED BY THE ENGINEER. BUILDING CONTRACTOR RESPONSIBLE FOR POURING THESE AREAS DURING SIDEWALK CONSTRUCTION.
2. SITE CONTRACTOR RESPONSIBLE FOR APPLICATION OF CLEAR SEALER, PROVIDED BY OWNER, TO ALL CURB AND GUTTER AND COLORED CONCRETE PAVING. BUILDING CONTRACTOR RESPONSIBLE FOR APPLICATION OF CLEAR SEALER TO ALL SIDEWALKS AND FINAL BLACK SEALER TO COLORED CONCRETE PAVEMENT.
3. BUILDING CONTRACTOR RESPONSIBLE FOR ALL GRADING WITHIN AREAS INSIDE INTERIOR CURB AND GUTTER TO WITHIN 4" OF TOP OF CURB.
4. DYE FOR COLORED CONCRETE AS WELL AS CLEAR AND PIGMENTED SEALER PROVIDED BY TACALA.
5. DRIVE THRU LOOPS PROVIDED BY TACALA AND SHALL BE INSTALLED BY THE SITE CONTRACTOR.
6. ALL SIGNAGE SHALL BE PROVIDED BY THE SITE WORK CONTRACTOR, EXCEPT FOR ADA SIGNAGE TO BE PROVIDED BY BUILDING CONTRACTOR.

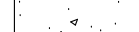
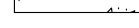
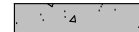

FOR CONCRETE USED IN PARKING APRON, DUMPSTER
ENCLOSURE APRON AND DRIVE THRU LANE:

CONCRETE STRENGTH - 4000 PSI
STRAIGHT CEMENT MIX
SLUMP - 3"-5"
COLOR - MIDNIGHT
PLANT MIXED ONLY
42LBS/CY

APPLY APC CURE AND SEAL CLEAR AFTER CONCRETE
CURES AND WITHIN 24 HOURS. ALLOW SEALER TO
DRY 72 HOURS BEFORE FOOT TRAFFIC. APPLY TINTED
SEAL 48 HRS PRIOR TO TURNOVER DATE

TOTAL VEHICULAR USE AREA	10,415 SF
BUILDING	2,600 SF
MIN/MAX PER 1000 SF	6/12 =(16/32 SPACES)
PROVIDED STD. SPACES	15
PROVIDED ADA SPACES	2
PROVIDED BIKE SPACES	4

TOTAL LOT AREA	0.49 ACRES
TOTAL DISTURBED AREA	0.65 ACRES
<u>PRE DEVELOPMENT</u>	
TOTAL IMPERVIOUS AREA	0.38 ACRES
TOTAL PERVIOUS AREA	0.11 ACRES
<u>POST DEVELOPMENT</u>	
TOTAL IMPERVIOUS AREA	0.38 ACRES
TOTAL PERVIOUS AREA	0.11 ACRES

	STD. DUTY CONCRETE PAVING
	COLORLED CONCRETE PAVING
	STD. DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING

RESERVED
PARKING



\$200.00
FINE

**HANDICAP
PARKING ONLY**

UNAUTHORIZED VEHICLES WILL BE
TOWED AT THE OWNERS EXPENSE



VEHICLES WILL BE IMPOUNDED
TO E.J. WHITAKERS
TOWING
423-494-7352

VAN ACCESSIBLE PARKING SIGN

NTS

M T S

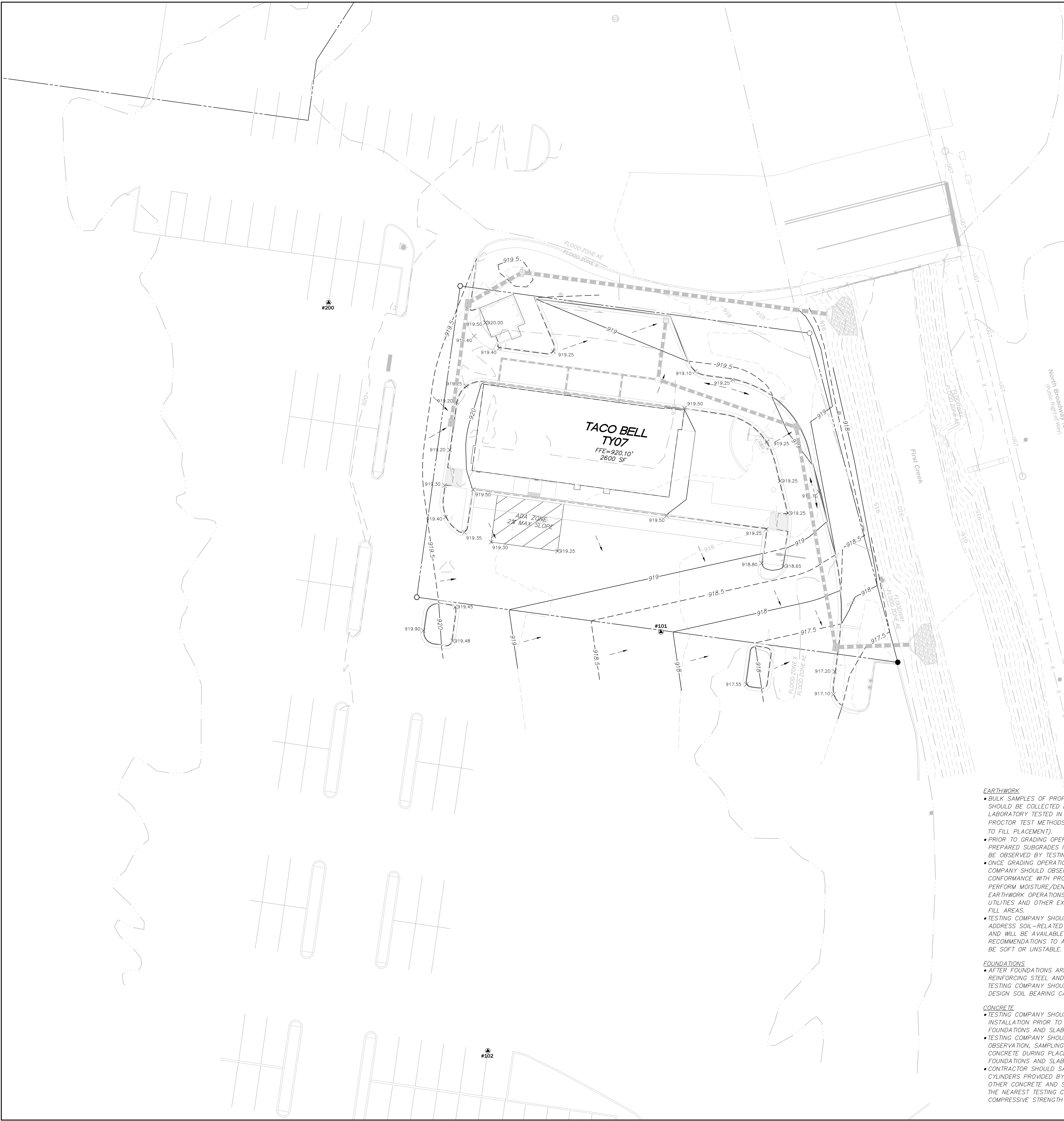
N.T.S.

3-L-20-SU

Revised: 2/25/2020

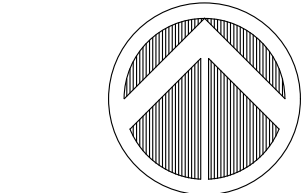
C:\USERS\MIKEGRAY\TACALA, LLC\IN OFFICE CAD SYNC - DOCUMENTS\JOB FILES\2018\18020 N. BROADWAY\DWG\18020 PROJ.DWG

C:\USERS\MIKEGRANT\TACALA, LLC\IN OFFICE CAD STWC - DOCUMENTS\JOB FILES\2018\18020 N. BROADWAY\DWG\18020 PROLDWG



SPECIAL GRADING NOTES

1. SPOT ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE NOTED. CONTRACTOR TO MAKE SLIGHT ADJUSTMENTS AS NEEDED.
2. THE GUTTER SECTION OF CURB AND GUTTER AND THE CONCRETE APRONS IN PARKING STALLS SHALL HAVE THE SAME SLOPE AS THE PAVEMENT.
3. TOPSOIL OUTSIDE PERIMETER CURBS IS RESPONSIBILITY OF THE SITE CONTRACTOR. TOPSOIL WITHIN INTERIOR CURBS WILL BE PROVIDED BY LANDSCAPE CONTRACTOR. BUILDING CONTRACTOR RESPONSIBLE FOR SUBGRADE TO BE WITHIN 4" OF TOP OF CURB WITHIN INTERIOR CURB AREAS.



SCALE: 1"=20'

GRADING LEGEND

- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- FUTURE 1' CONTOUR
- FUTURE 5' CONTOUR
- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- FUTURE RIGHT-OF-WAY
- FUTURE SETBACK LINE
- FUTURE PROPERTY LINE
- GRADE ELEVATION
- STORM SEWER LINE
- RETAINING WALL
- JUNCTION BOX
- GRATE INLET
- SANITARY SEWER CLEAN-OUT
- SLOPE ARROW
- HP/LP
- GRADE BREAK LINE

GRADING NOTES

1. INFORMATION CONCERNING SITE SOIL CONDITIONS WILL BE PROVIDED BY THE PROJECT GEOTECHNICAL ENGINEER AND WILL BE REFERENCED IN THE SITE WORK SPECIFICATIONS.
2. SUB-GRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY OR AS SPECIFIED BY THE GEOTECHNICAL ENGINEER, WHICHEVER IS GREATER, AND TEST RESULTS SHALL BE PROVIDED BEFORE INSTALLATION OF NEW STRUCTURES.
3. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS OWN EXPENSE, A TOPOGRAPHIC SURVEY AND SUBMIT IT TO THE OWNER FOR REVIEW. HOWEVER, THIS SHALL IN NO WAY EXTEND THE CONTRACT TIME FRAME AND DEADLINES.
4. STORM SEWER PIPE OVER 18" SHALL BE CLASS III RCP PER ASTM C-76 OR CONTECH ULTRAFLOW. STORM SEWER PIPE LESS 18" AND SMALLER MAY BE EITHER OF THE ABOVE OR SDR26. ALL PIPE CONNECTIONS AT MANHOLES SHALL BE WATERTIGHT.
5. CONTRACTOR SHALL PROVIDE DRAINAGE AWAY FROM THE BUILDINGS.
6. PRECAST STRUCTURES MAY BE USED AS AN ALTERNATIVE TO CAST-IN-PLACE STRUCTURES. SUBMIT ALL BOX DESIGN TO THE ENGINEER FOR APPROVAL.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND COST OF THE RELOCATION OF ALL UTILITIES ALONG THE RIGHT-OF-WAY AND ON THE SITE ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT, SUCH AS, BUT NOT LIMITED TO: SIGNAL POLES, SIGNAL CONTROLS, DRAINAGE STRUCTURES, TRAFFIC SIGNS, LIVE WIRES, STREET LIGHTING UTILITY POLES, AND GUY WIRES, WATER, GAS AND UNDERGROUND ELECTRICAL LINES.
8. IN ALL AREAS WHERE NEW CURB AND GUTTER ARE INSTALLED, REMOVE ALL OLD CURB AND GUTTER AND SAW CUT A STRAIGHT EDGE ALONG ASPHALT.
9. THE EARTHWORK FOR ALL BUILDING PADS, FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL PLANS AND SPECIFICATIONS, AND SITEWORK SPECIFICATIONS.
10. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
11. ALL SLOPES AND DISTURBED AREAS NOT COVERED BY BUILDING OR PAVEMENT SHALL BE GRADED SMOOTH AND RECEIVE 4 INCHES OF TOPSOIL AFTER COMPACTION. CONTRACTOR TO PROVIDE TOPSOIL IF NOT AVAILABLE ON SITE. THE AREAS SHALL BE SEEDED, MULCHED, FERTILIZED AND WATERED TO PROVIDE A HEARTY MOWABLE STAND OF GRASS. SMALL ROCKS MUST BE REMOVED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. EXCEPTIONS FOR SEEDING ARE ANY AREAS DESIGNATED TO BE LANDSCAPED AS SHOWN ON THE LANDSCAPING PLAN SHEETS.
12. SPOIL FROM FOOTINGS IS THE BUILDING CONTRACTOR'S RESPONSIBILITY. CONTRACTOR IS TO USE THE SOIL ON SITE OR REMOVE IT FROM THE SITE AT NO ADDITIONAL COST TO THE OWNER.
13. EARTHWORK SHALL BE ON AN UNCLASSIFIED BASIS.
14. ALL SPOT ELEVATIONS ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
15. ALL STORM SEWER MANHOLES AND PIPES TO BE FLUSHED CLEAN PRIOR TO TURNING OVER TO THE OWNER.
16. ALL PIPE LENGTHS LISTED ARE BASED ON THE HORIZONTAL DISTANCE FROM CENTER OF STRUCTURE AND USED FOR DESIGN.
17. THE CONTRACTOR IS RESPONSIBLE FOR COMPARING THE STORM SEWER AND SANITARY SEWER CHARTS WITH THE PROFILES FOR THE STORM SEWER AND SANITARY SEWER LINES, IF PROVIDED IN PLANS, AND INFORMING THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
18. ALL ROOF LATERALS SHALL BE SDR26 OR PVC PIPE AT 1% MINIMUM GRADE.
19. CONTRACTOR SHALL PROVIDE IN HIS BID A UNIT PRICE FOR UNDERCUT AND REPLACEMENT SHOULD UNSUITABLE MATERIAL BE ENCOUNTERED.
20. ALL LANDSCAPED ISLANDS SHALL BE GRADED TO WHERE DRAINAGE IS AWAY FROM BUILDING AND CROWNED SO THAT RUNOFF SPILLS OVER CURB.
21. CONTRACTOR TO INSURE THAT GRADES IN ACCESSIBLE PARKING DO NOT EXCEED 2% IN ANY DIRECTION, THAT ACCESSIBLE ROUTES DO NOT EXCEED 5% RUNNING SLOPE OR 2% CROSS SLOPE. ALL RAMPS MUST MEET THE MORE STRINGENT OF ADA (LATEST STANDARD) OR STATE/LOCAL STANDARD.

BASE FLOOD INFORMATION

1. BASE FLOOD ELEVATION CALCULATED AT 918.7'
2. FINISHED FLOOR ELEVATION 920.10'

3-L-20-SU
Revised: 2/25/2020

MINIMUM GEOTECHNICAL TESTING REQUIREMENTS

EARTHWORK

- BULK SAMPLES OF PROPOSED FILL AND BACKFILL SHOULD BE COLLECTED BY TESTING COMPANY AND LABORATORY TESTED IN ACCORDANCE WITH STANDARD PROCTOR TEST METHODS (ALLOW THREE DAYS PRIOR TO FILL PLACEMENT).
- PRIOR TO GRADING OPERATIONS, PROOFROLLING OF PREPARED SUBGRADES IN INITIAL FILL AREAS SHOULD BE OBSERVED BY TESTING COMPANY REPRESENTATIVE.
- ONCE GRADING OPERATIONS ARE UNDERWAY, TESTING COMPANY SHOULD OBSERVE FILL PLACEMENT FOR CONFORMANCE WITH PROJECT REQUIREMENTS AND PERFORM MOISTURE/DENSITY TESTING DURING EARTHWORK OPERATIONS AS WELL AS BACKFILLING OF UTILITIES AND OTHER EXCAVATIONS IN STRUCTURAL FILL AREAS.
- TESTING COMPANY SHOULD BE CONTACTED TO ADDRESS SOIL-RELATED PROBLEMS THAT MAY ARISE AND WILL BE AVAILABLE TO PROVIDE RECOMMENDATIONS TO ADDRESS SOILS IDENTIFIED TO BE SOFT OR UNSTABLE.

FOUNDATIONS

- AFTER FOUNDATIONS ARE EXCAVATED AND PRIOR TO REINFORCING STEEL AND CONCRETE PLACEMENT, TESTING COMPANY SHOULD VERIFY THE FOUNDATION DESIGN SOIL BEARING CAPACITY.

CONCRETE

- TESTING COMPANY SHOULD VERIFY REINFORCING STEEL INSTALLATION PRIOR TO CONCRETE PLACEMENT FOR FOUNDATIONS AND SLABS-ON-GRADE.
- TESTING COMPANY SHOULD PROVIDE CONTINUOUS OBSERVATION, SAMPLING AND TESTING OF FRESH CONCRETE DURING PLACEMENT IN THE FIELD FOR FOUNDATIONS AND SLABS-ON-GRADE.
- CONTRACTOR SHOULD SAMPLE FRESH CONCRETE IN CYLINDERS PROVIDED BY TESTING COMPANY FOR ALL OTHER CONCRETE AND SHOULD DELIVER CYLINDERS TO THE NEAREST TESTING COMPANY LABORATORY FOR COMPRESSIVE STRENGTH TESTING.

- CONTRACTOR SHOULD PROVIDE ON-SITE STORAGE CONTAINER(S) FOR INITIAL CURING OF CYLINDER SAMPLES CAPABLE OF CONTROLLING TEMPERATURES WITHIN THE RANGE SPECIFIED BY ASTM C31.

BITUMINOUS PAVING AND PAVEMENT SUBGRADE

- BULK SAMPLES OF PROPOSED AGGREGATE BASE SHOULD BE COLLECTED BY TESTING COMPANY AND LABORATORY TESTED IN ACCORDANCE WITH MODIFIED PROCTOR TEST METHODS (ALLOW THREE DAYS PRIOR TO AGGREGATE BASE PLACEMENT).
- PRIOR TO AGGREGATE BASE PLACEMENT OR PAVING OPERATIONS, TESTING COMPANY SHOULD OBSERVE PROOFROLLING OF PREPARED SUBGRADES IN PARKING AND DRIVE AREAS.
- ONCE AGGREGATE BASE PLACEMENT AND COMPACTION OPERATIONS ARE UNDERWAY, TESTING COMPANY SHOULD PERFORM MOISTURE/DENSITY TESTING FOR CONFORMANCE WITH PROJECT REQUIREMENTS.
- TESTING COMPANY SHOULD BE CONTACTED AT THE COMPLETION OF ASPHALT PAVING OPERATIONS TO OBTAIN THREE CORE SAMPLES ON COMPACTED COMBINED ASPHALT (WEARING SURFACE AND BINDER) FOR DENSITY AND THICKNESS TESTING.
- TESTING COMPANY SHOULD BE CONTACTED PRIOR TO ASPHALT PAVING OPERATIONS TO SCHEDULE AN ON-SITE ASPHALT TECHNICIAN TO OBSERVE, TEST AND DOCUMENT ASPHALT PLACEMENT FOR DELIVERY OF CORRECT MIX, TEMPERATURE, AND DENSITY AND THICKNESS OF THE BINDER AND WEARING SURFACE.
- TESTING COMPANY SHOULD BE CONTACTED AT THE COMPLETION OF ASPHALT PAVING BINDER COURSE TO OBTAIN THREE CORE SAMPLES ON COMPACTED BINDER FOR DENSITY AND THICKNESS TESTING. TESTING COMPANY HAS BEEN REQUESTED BY TACALA NOT TO CORE THROUGH THE WEARING SURFACE.

REVISIONS

02/19/2020 RELEASE FOR REVIEW

PLANNING FILE - 3-L-20-SU



TACO BELL RESTAURANT

2085 NORTH BROADWAY KNOXVILLE, TN 37917

SITE #283291

TACALA

3750 CORPORATE WOODS DRIVE
VESTAVIA HILLS AL 35242
2054463900
WWW.TACALA.COM



JOB NO: 18020

DWG NAME: 18020 PROJ

GRADING
PLAN

SHEET:

C3

DATE: 2/24/20

10

1

100



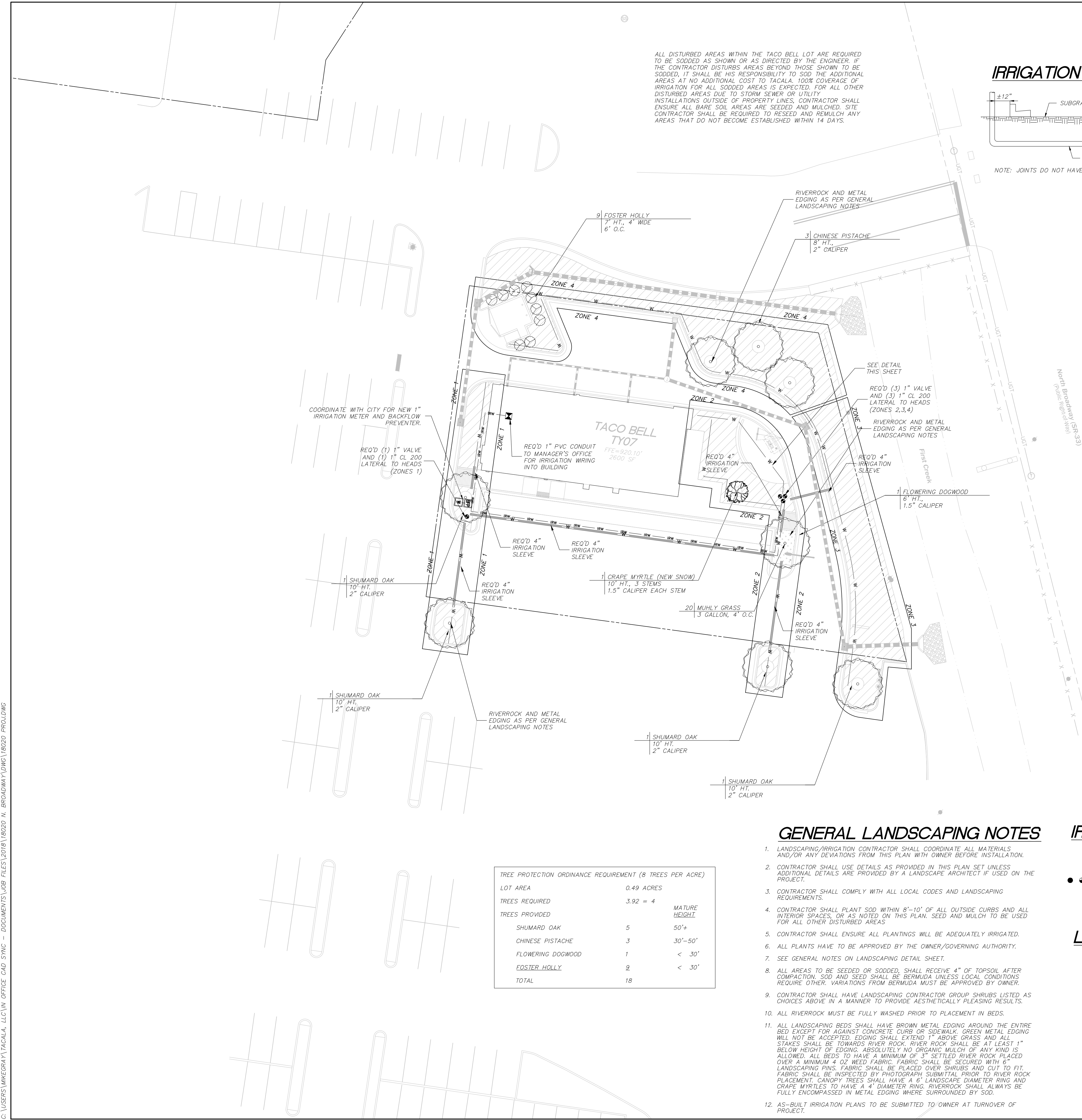
10



IF THERE IS LESS THAN 18" SEPARATION BETWEEN STORM SEWER
AND EXISTING OR PROPOSED UTILITIES, A CONCRETE ENCASEMENT
MAY BE REQUIRED IF DIRECTED BY THE ENGINEER.

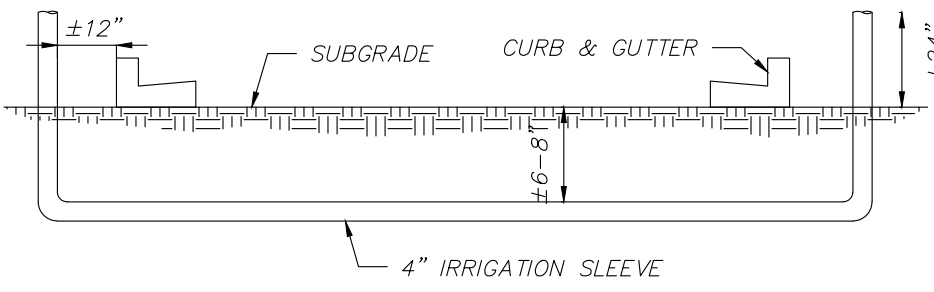
STORM SEWER SHALL BE BACKFILLED WITH #57 STONE TO 6" ABOVE TOP OF PIPE.

C:\USERS\WKEGRATY\TACALA, LLC\WORK OFFICE CAD SYNC - DOCUMENTS\JOB FILES\2018\18020 N. BROADWAY\DWG\18020 PROLDWG



ALL DISTURBED AREAS WITHIN THE TACO BELL LOT ARE REQUIRED TO BE SODDED AS SHOWN OR AS DIRECTED BY THE ENGINEER. IF THE CONTRACTOR DISTURBS AREAS BEYOND THOSE SHOWN TO BE SODDED, IT SHALL BE HIS RESPONSIBILITY TO SOD THE ADDITIONAL AREAS AT NO ADDITIONAL COST TO TACALA. 100% COVERAGE OF IRRIGATION FOR ALL SODDED AREAS IS EXPECTED. FOR ALL OTHER DISTURBED AREAS DUE TO STORM SEWER OR UTILITY INSTALLATIONS OUTSIDE OF PROPERTY LINES, CONTRACTOR SHALL ENSURE ALL BARE SOIL AREAS ARE SEEDED AND MULCHED. SITE CONTRACTOR SHALL BE REQUIRED TO RESEED AND REMULCH ANY AREAS THAT DO NOT BECOME ESTABLISHED WITHIN 14 DAYS.

IRRIGATION SLEEVE DETAIL



REGION 7 - SOUTHEAST					
NO.	MATERIAL	QTY	SIZE	HGT.	SP
1	CHINESE HOLLY LLEX CORNUTA	PER PLAN	5 GAL		24"
2	SPANISH BAYONET YUCCA ALOIFOLIA	PER PLAN	5 GAL		
3	BLUE FESCUE FESTUCA GLAUCA	PER PLAN	1 GAL		36"
4	BOULDER (SEE NOTE) DESERT SAND COLOR 30"-36"	PER PLAN		N/A	
5	RIVERROCK (SEE NOTE)	PER PLAN		N/A	
6	INDIAN HAWTHORNE RAPHOLEPIS INDICA 'PINK LADY'	PER PLAN	3 GAL		24"
7	BROWN METAL EDGING	PER PLAN			

LANDSCAPING BOULDERS

CONTRACTOR SHALL PROVIDE NATURAL STONE BOULDERS 30"-36" IN SIZE THAT MATCH THE RIVERROCK. CONTRACTOR SHALL PROVIDE PHOTO SAMPLES PRIOR TO PLACEMENT. EXAMPLE PHOTOS SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER UPON HIS REQUEST. EXAMPLE STONES ARE: 'BAJA CRESTA' RED BOULDER BY KRG ROCK. BUT CONTRACTOR CAN CHOOSE ANY STONE THAT MEETS APPROVAL BY THE OWNER. RIVERROCK SAMPLE SHALL ALSO BE PROVIDED TO OWNER PRIOR TO PLACEMENT. RIVERROCK SHALL RANGE FROM 2"-5" WITH APPROXIMATE 30% 2", 40% 3-4" AND 30% 5". 5" SHALL BE MAXIMUM SIZE.

GENERAL IRRIGATION NOTES

- IF IRRIGATION CONTRACTOR DESIRES TO DEVELOP HIS OWN IRRIGATION PLAN, INCLUDING LOCATION OF HEADS, VALVES, CONTROLLER, ZONES, PIPE SIZES, ACTUAL SLEEVE LOCATIONS, BACKFLOW PREVENTER, AND WIRING SCHEMATIC, THIS PLAN MUST BE SUBMITTED TO THE ENGINEER AND OWNER FOR APPROVAL.
- POWER TO CONTROLLER BY ELECTRICAL CONTRACTOR.
- IRRIGATION CONTROLLER SHALL BE PLACED WITHIN THE OFFICE AREA OF THE RESTAURANT WITH EXACT PLACEMENT AS PER ARCH. DRAWINGS.
- COORDINATE CONDUIT INTO BUILDING BEFORE SLAB IS POURED FOR CONTROLLER WIRING.
- DRAWING IS DIAGRAMMATIC IF SHOWN. ALL LINES TO BE PLACED BACK OF CURB.
- ALL HEADS PLACED IN SHRUB BEDS WILL HAVE 12" POP-UPS UNLESS OTHERWISE NOTED.
- USE VARIABLE ARC SPRAY HEADS WHEN NECESSARY.
- THERE ARE TO BE (2) 4" PVC SLEEVES EACH TIME MAINLINE CROSSES HARDSCAPE.
- THERE IS TO BE (1) 4" PVC SLEEVE WHEN THE LATERAL LINE CROSSES HARDSCAPE.
- ALL SLEEVES TO BE INSTALLED AS PART OF GENERAL CONTRACTOR'S CONTRACT. VERIFY LOCATION WITH LANDSCAPE CONTRACTOR. ALL EQUIPMENT REQUIRED BUT NOT SPECIFIED ON THE DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR.
- VERIFY TAP: IRRIGATION CONTRACTOR TO TEST WATER CONDITIONS AS THEY EXIST IMMEDIATELY DOWN STREAM FROM TAP. IF THEY DO NOT MEET DESIGN DEMANDS, NOTIFY LANDSCAPE ARCHITECT OR ENGINEER IMMEDIATELY OF EXISTING CONDITIONS.
- MATCH PRECIPITATION RATES ON ALL CIRCUITS.
- ALL WORK MUST COMPLY WITH LOCAL CODES.
- NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
- ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE IRRIGATION CONSULTANT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PRECEDING WITH THE WORK.
- ALL 24 VOLT WIRE SHALL BE #12 UF/UL FOR COMMON WIRE, AND #14 UF/UL FOR CONTROL WIRES. DIRECT BURIAL. SOLID COPPER. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
- CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING. I.E. VERIFY ROOT BALL SIZE FOR PLANTING. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE. CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
- CONTRACTOR TO ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE.
- ELECTRIC VALVE CONTROL WIRE TO BE 14 GAUGE MINIMUM. IRRIGATION CONTRACTOR MUST PLACE ONE EXTRA "HOT" WIRE AND ONE EXTRA "COMMON" AT FURTHEST VALVE IN EACH DIRECTION FROM CLOCK.
- ALL MAIN LINES SHALL BE INSTALLED A MAXIMUM OF 2' FROM THE BACK OF CURBS WHERE POSSIBLE. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE.
- ACTUAL HEAD PLACEMENT IN PARKING LOT ISLANDS IS TO BE 18" FROM BACK OF CURB FOR SHRUB PLANTINGS AND 6" FROM BACK OF CURB FOR LAWNS.
- THE CONTRACTOR SHALL HAVE THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE "OVERTHROW" AND TO ELIMINATE "DRY SPOTS".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS" OR SLIGHT VARIATIONS FROM THE PLAN TO THE SITE UP TO FIVE % OF SPECIFIED HEAD TYPE.
- THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT OR ENGINEER.
- DO NOT MAKE SUBSTITUTIONS: IF CONTRACTOR DESIRES TO MAKE SUBSTITUTIONS OF MATERIALS, SUFFICIENT DESCRIPTIVE LITERATURE AND MATERIAL SAMPLES MUST BE FURNISHED TO ESTABLISH THE MATERIAL AS AN EQUAL SUBSTITUTE. IN ADDITION, THE CONTRACTOR MUST STATE HIS REASONS FOR DESIRING SUBSTITUTE MATERIALS. SUBMIT THIS REQUEST AND INFORMATION TO LANDSCAPE ARCHITECT OR ENGINEER.

GENERAL LANDSCAPING NOTES

- LANDSCAPING/IRRIGATION CONTRACTOR SHALL COORDINATE ALL MATERIALS AND/OR ANY DEVIATIONS FROM THIS PLAN WITH OWNER BEFORE INSTALLATION.
- CONTRACTOR SHALL USE DETAILS AS PROVIDED IN THIS PLAN SET UNLESS ADDITIONAL DETAILS ARE PROVIDED BY A LANDSCAPE ARCHITECT IF USED ON THE PROJECT.
- CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND LANDSCAPING REQUIREMENTS.
- CONTRACTOR SHALL PLANT SOD WITHIN 8"-10" OF ALL OUTSIDE CURBS AND ALL INTERIOR SPACES, OR AS NOTED ON THIS PLAN. SEED AND MULCH TO BE USED FOR ALL OTHER DISTURBED AREAS.
- CONTRACTOR SHALL ENSURE ALL PLANTINGS WILL BE ADEQUATELY IRRIGATED.
- ALL PLANTS HAVE TO BE APPROVED BY THE OWNER/GOVERNING AUTHORITY.
- SEE GENERAL NOTES ON LANDSCAPING DETAIL SHEET.
- ALL AREAS TO BE SEEDED OR SODDED, SHALL RECEIVE 4" OF TOPSOIL AFTER COMPACTION. SOD AND SEED SHALL BE BERMUDA UNLESS LOCAL CONDITIONS REQUIRE OTHER. VARIATIONS FROM BERMUDA MUST BE APPROVED BY OWNER.
- CONTRACTOR SHALL HAVE LANDSCAPING CONTRACTOR GROUP SHRUBS LISTED AS CHOICES ABOVE IN A MANNER TO PROVIDE AESTHETICALLY PLEASING RESULTS.
- ALL RIVERROCK MUST BE FULLY WASHED PRIOR TO PLACEMENT IN BEDS.
- ALL LANDSCAPING BEDS SHALL HAVE BROWN METAL EDGING AROUND THE ENTIRE BED EXCEPT FOR AGAINST CONCRETE CURB OR SIDEWALK. GREEN METAL EDGING WILL NOT BE ACCEPTED. EDGING SHALL EXTEND 1" ABOVE GRASS AND ALL STAKES SHALL BE TOWARDS RIVER ROCK. RIVER ROCK SHALL BE AT LEAST 1" BELOW HEIGHT OF EDGING. ABSOLUTELY NO ORGANIC MULCH OF ANY KIND IS ALLOWED. ALL BEDS TO HAVE A MINIMUM OF 3" SETTLED RIVER ROCK PLACED OVER A MINIMUM 4 OZ WEED FABRIC. FABRIC SHALL BE SECURED WITH 6" LANDSCAPING PINS. FABRIC SHALL BE PLACED OVER SHRUBS AND CUT TO FIT. FABRIC SHALL BE INSPECTED BY PHOTOGRAPH SUBMITTAL PRIOR TO RIVER ROCK PLACEMENT. CANOPY TREES SHALL HAVE 6" LANDSCAPE DIAMETER RING AND CRAPE MYRTLES TO HAVE A 4" DIAMETER RING. RIVERROCK SHALL ALWAYS BE FULLY ENCOMPASSED IN METAL EDGING WHERE SURROUNDED BY SOD.
- AS-BUILT IRRIGATION PLANS TO BE SUBMITTED TO OWNER AT TURNOVER OF PROJECT.

IRRIGATION DETAILS

- IRRIGATION VALVE
- SPRAY HEAD (RADIUS AND DIRECTION PER IRRIGATION CONTRACTOR)
- RAINBIRD ESP-Me CONTROLLER (INSTALLED IN MANAGER'S OFFICE)

LANDSCAPING DETAILS

- SEED (BERMUDA - TACALA MUST APPROVE VARIATION)
- SOLID SOD (BERMUDA-TACALA MUST APPROVE VARIATION)

TREE PROTECTION ORDINANCE REQUIREMENT (8 TREES PER ACRE)		
LOT AREA	0.49 ACRES	
TREES REQUIRED	3.92 = 4	
TREES PROVIDED		MATURE HEIGHT
SHUMARD OAK	5	50'+
CHINESE PISTACHE	3	30'-50'
FLOWERING DOGWOOD	1	< 30'
FOSTER HOLLY	9	< 30'
TOTAL	18	

REVISIONS

02/19/2020 RELEASE FOR REVIEW

PLANNING FILE - 3-L-20-SU



TACO BELL RESTAURANT

2085 NORTH BROADWAY KNOXVILLE, TN 37917

SITE #283291

TACALA

3750 CORPORATE WOODS DRIVE
VESTAVIA HILLS AL 35242
2054463900
WWW.TACALACOM



JOB NO: 18020

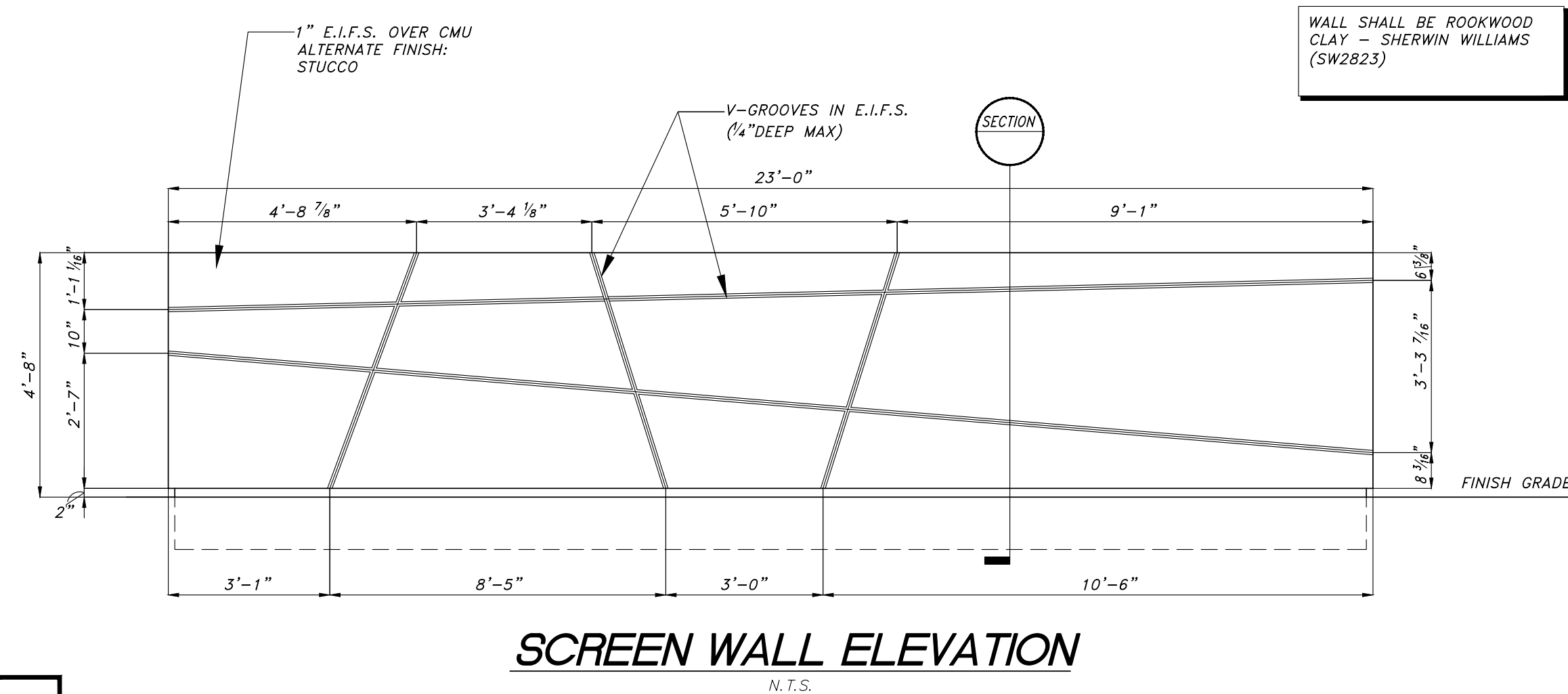
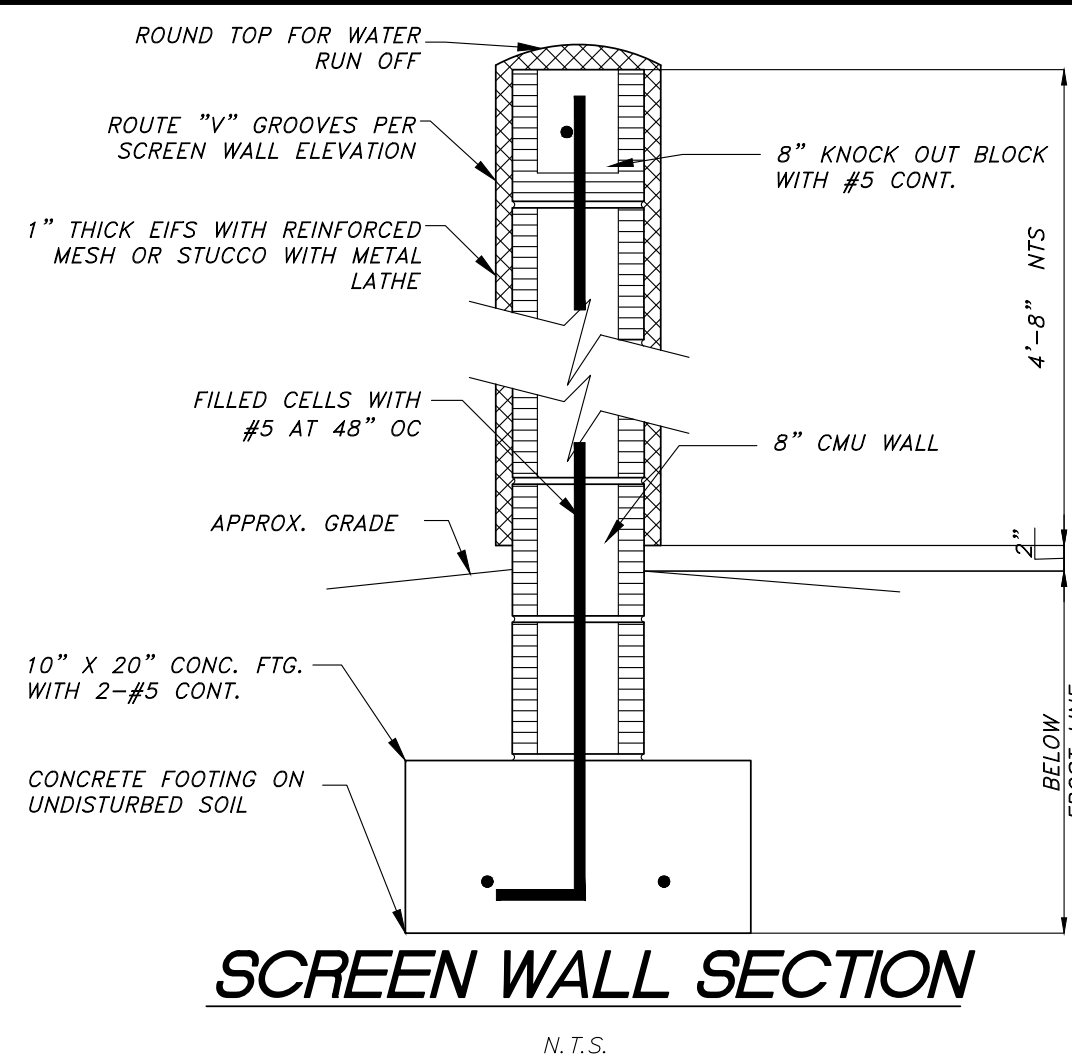
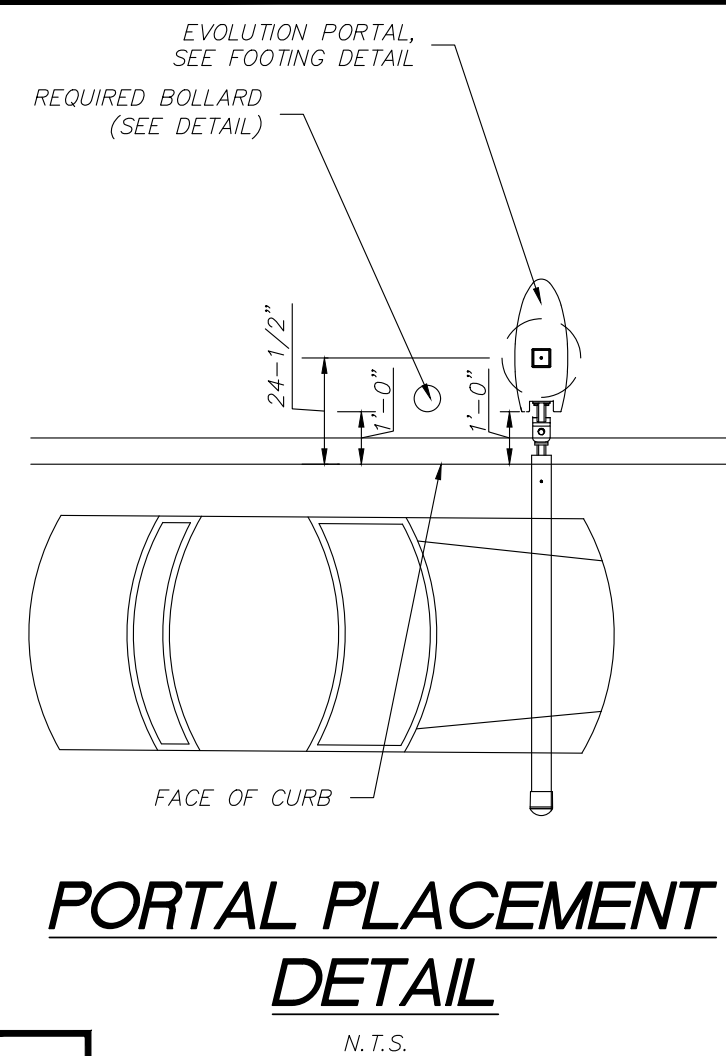
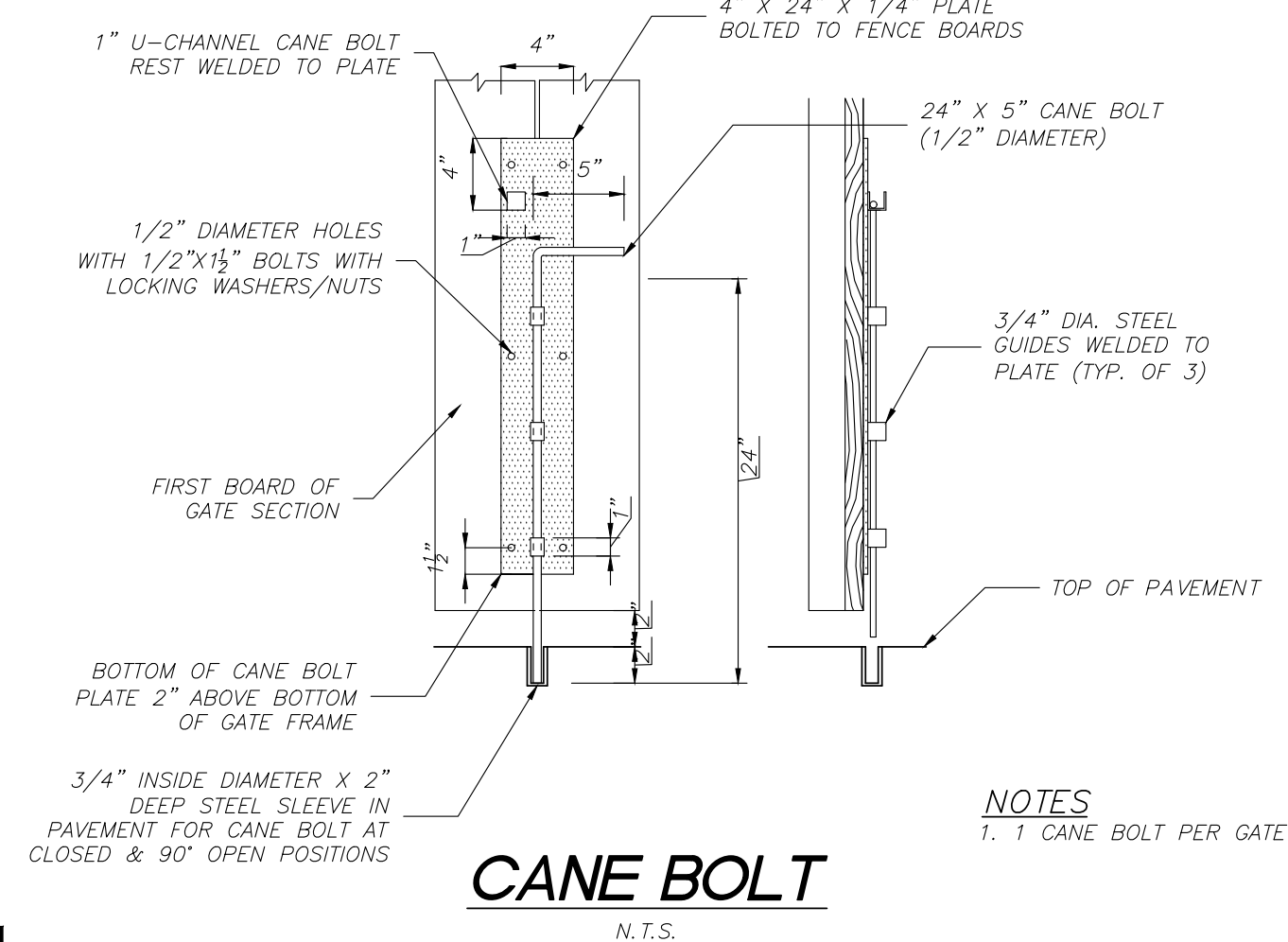
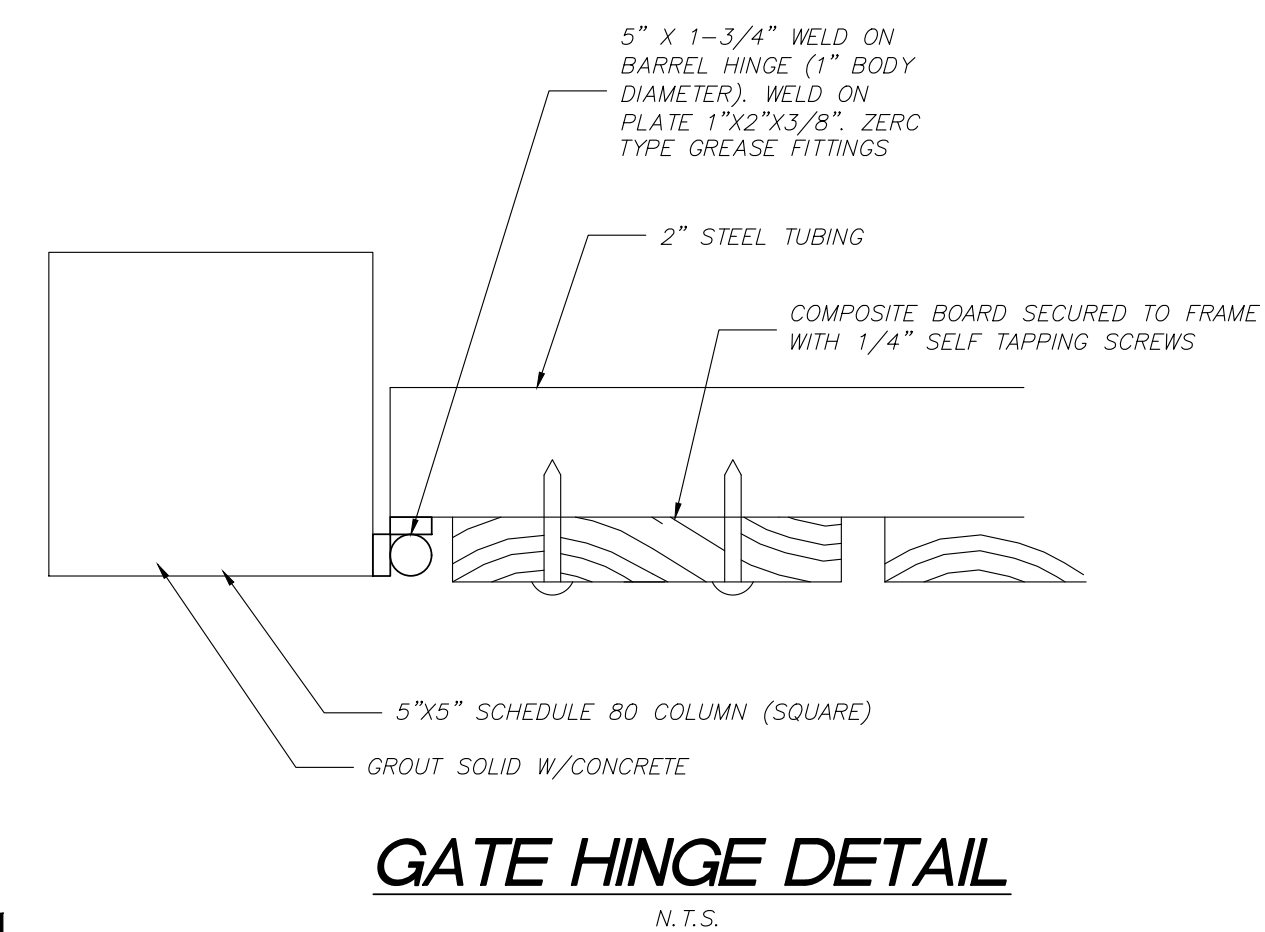
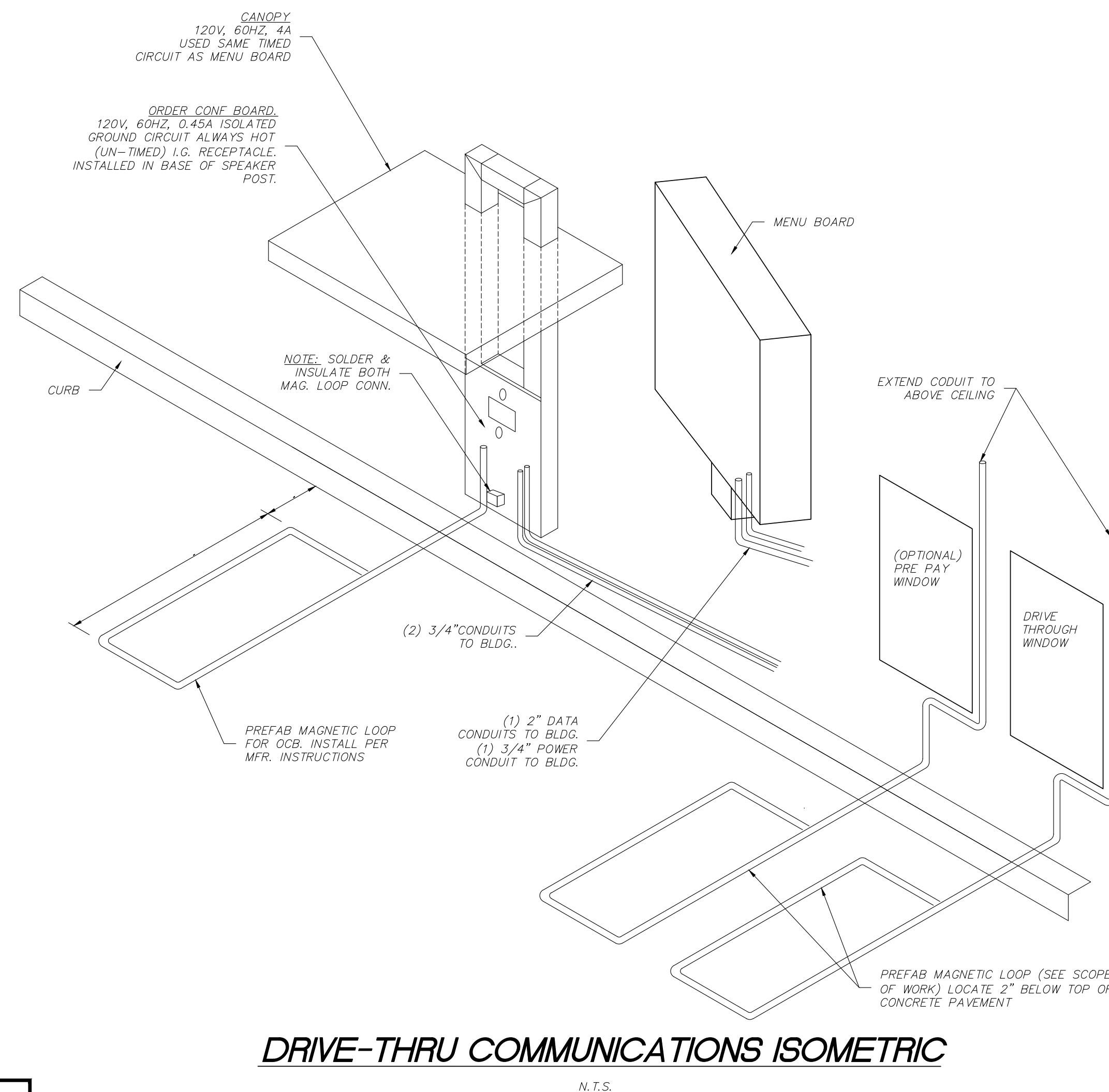
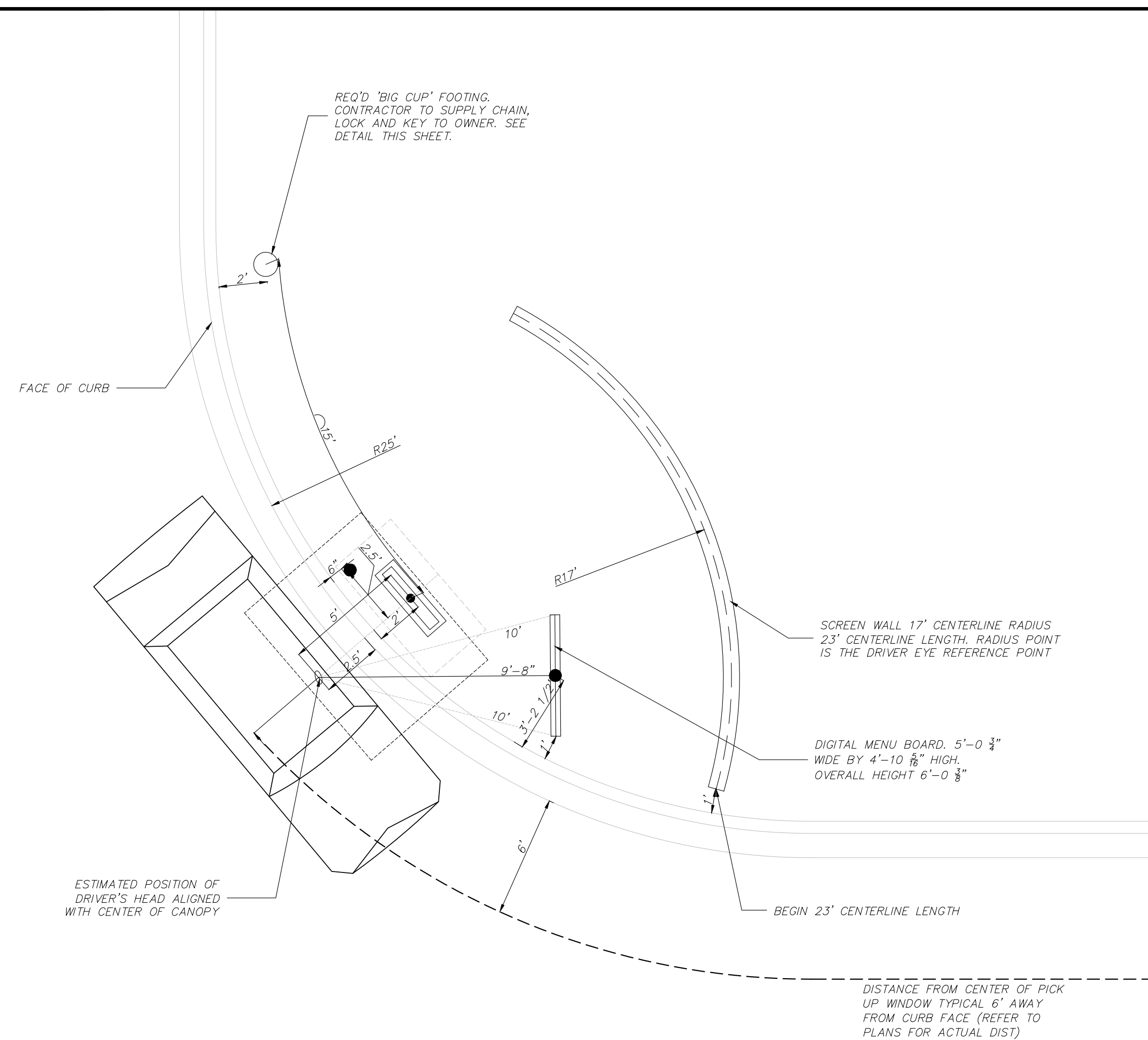
DWG NAME: 18020 PROJ

LANDSCAPING PLAN

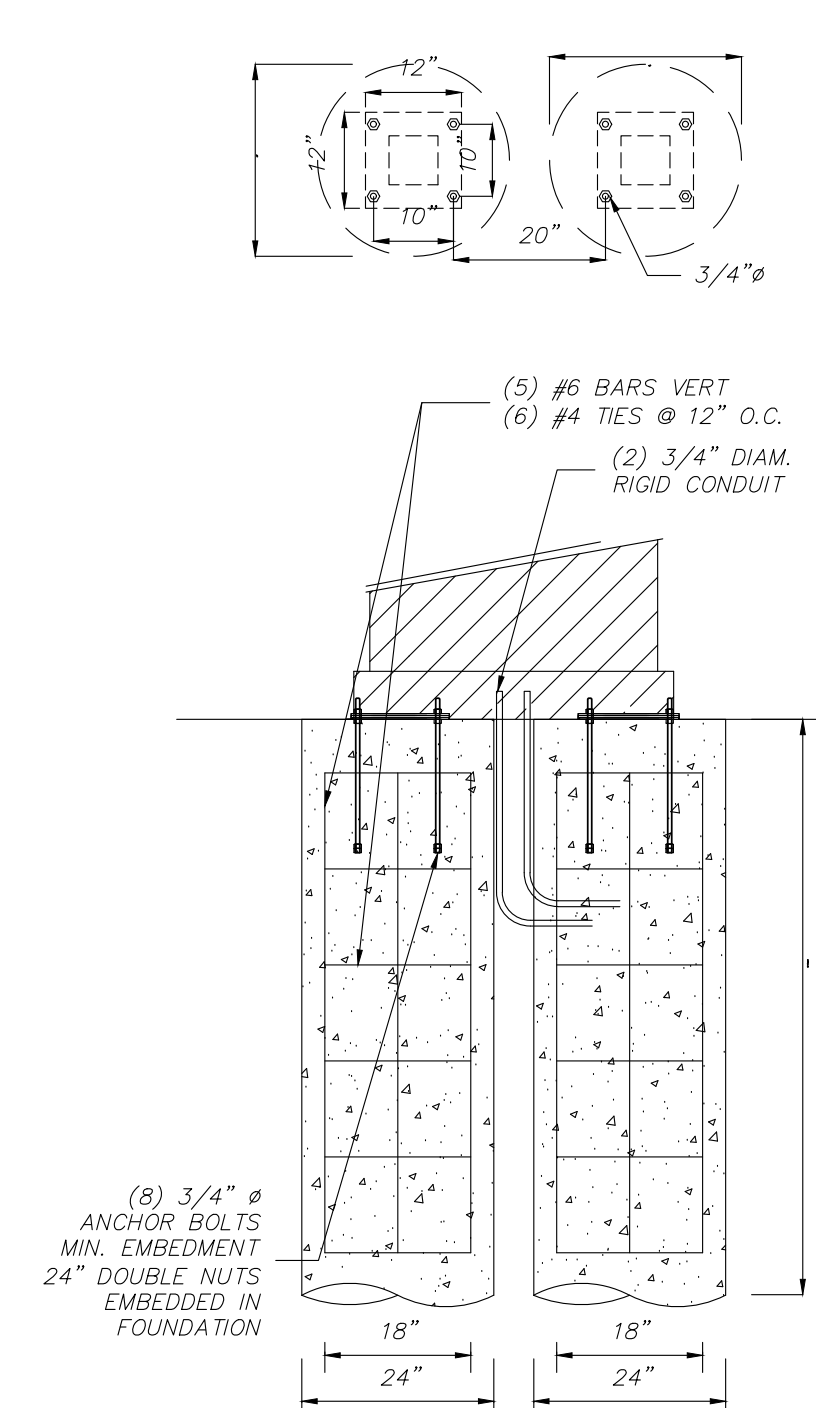
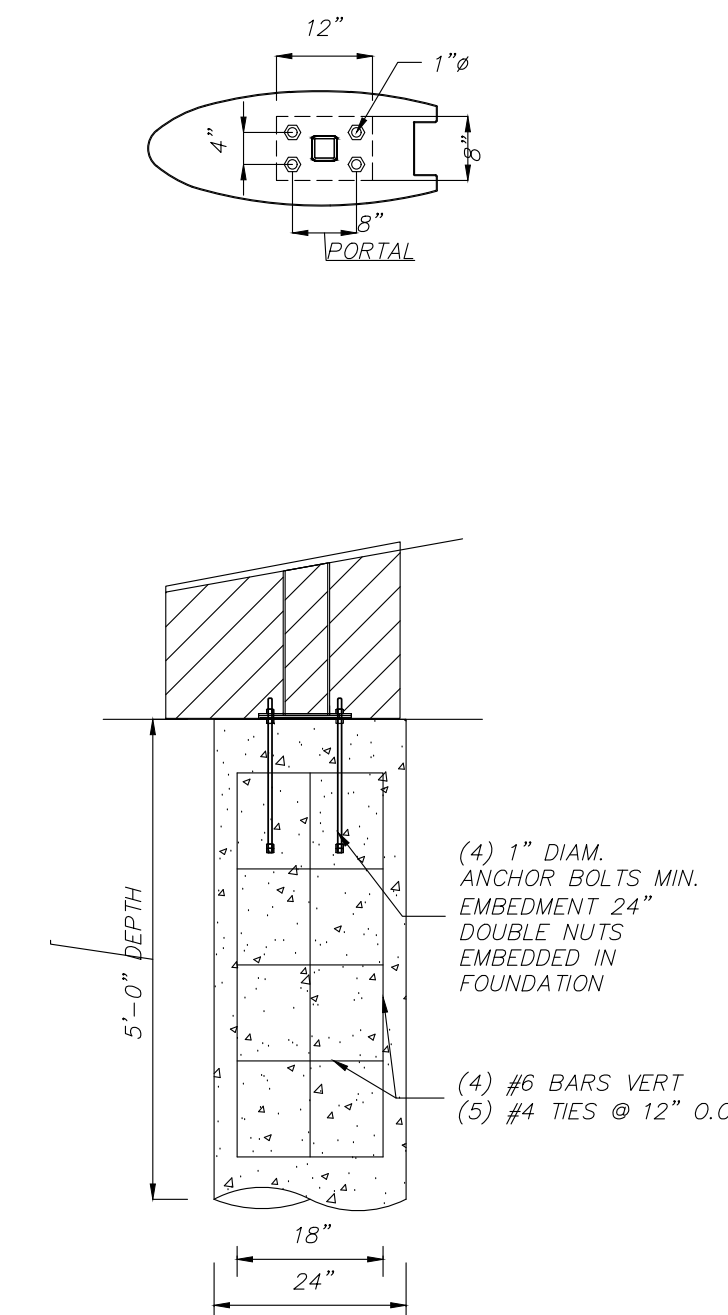
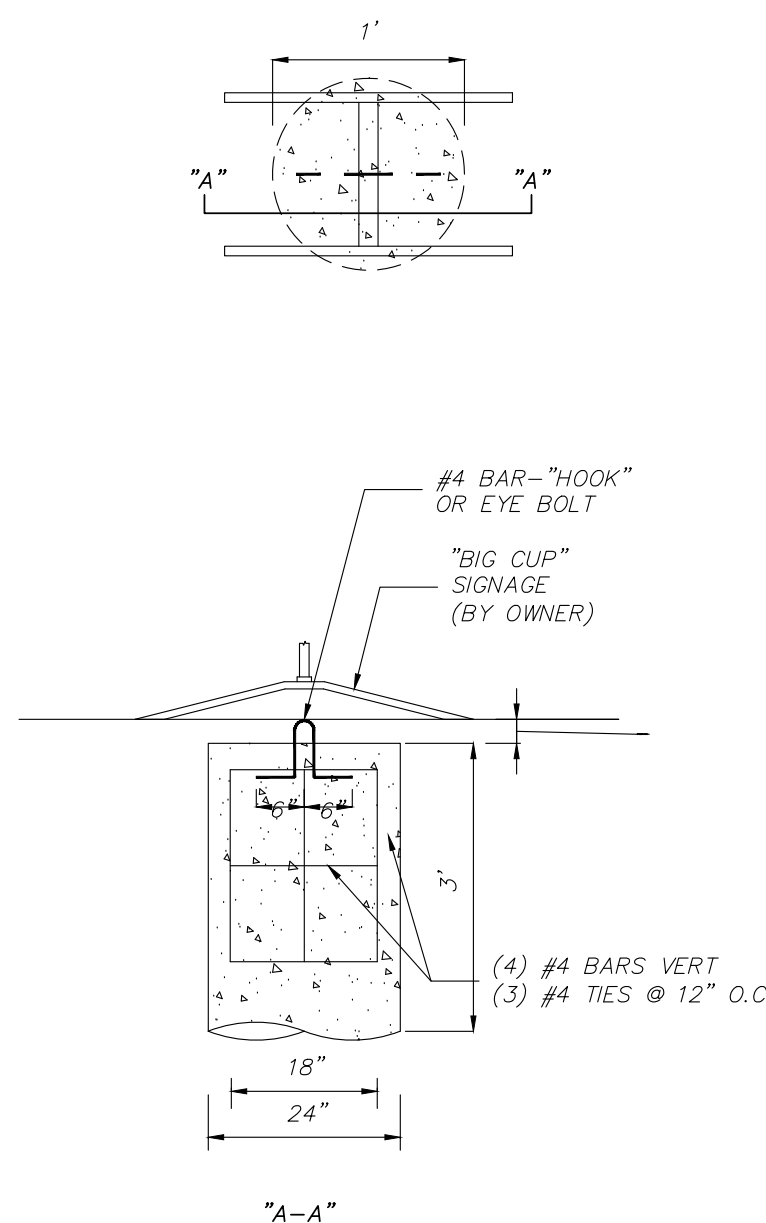
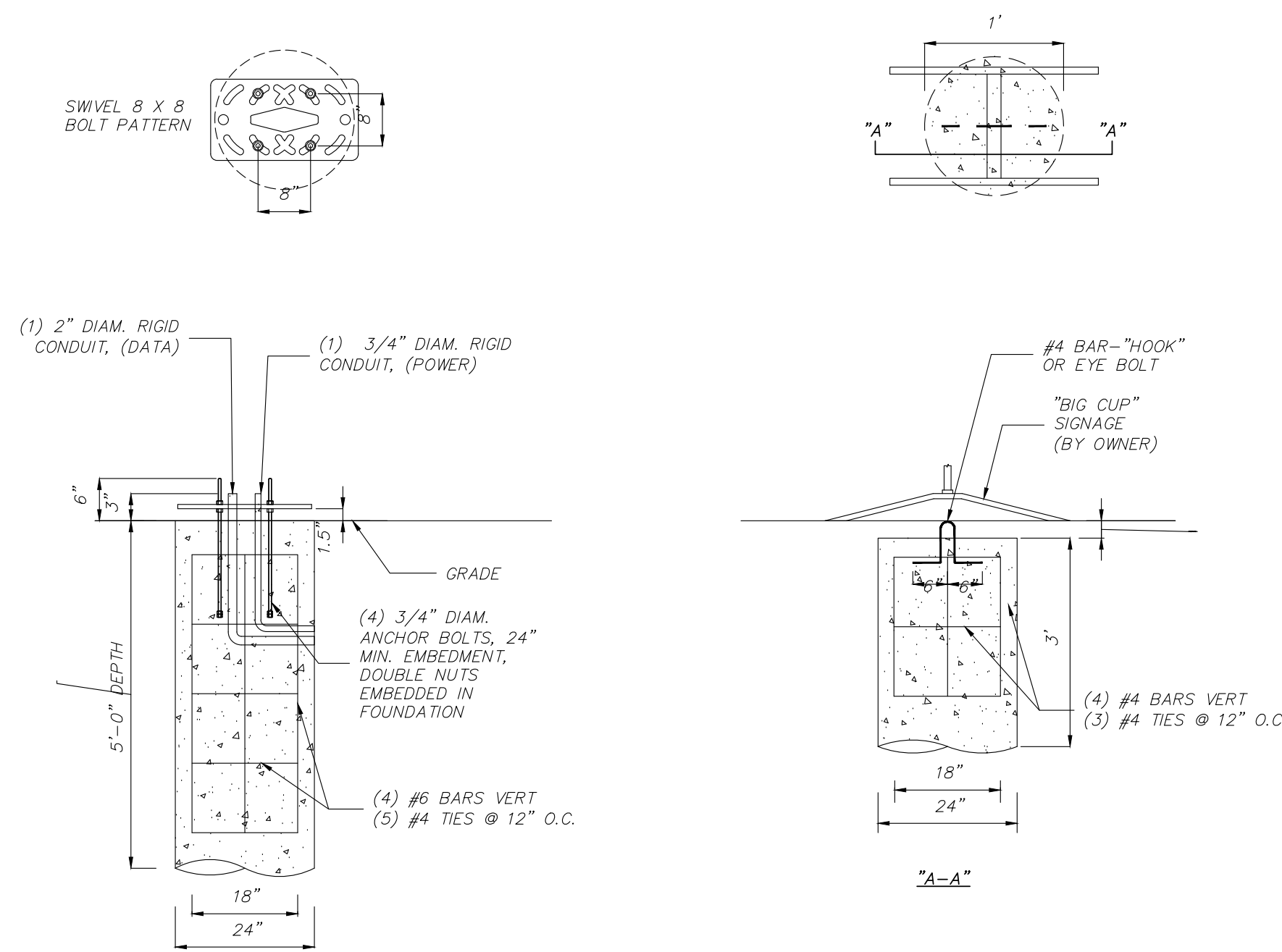
SHEET:

C6

DATE: 2/24/20



- NOTES:
1. ALL CONDUIT TO BE MIN. 12" BELOW GRADE OR LOCAL FROST DEPTH AND PROJECT 6" ABOVE FOUNDATION
 2. BOLT PATTERNS PROVIDED AS EXAMPLE. OBTAIN ANCHOR BOLT TEMPLATE FROM SUPPLIERS
 3. ANCHOR BOLTS MAY BE "L" HOOK STYLE AS ALTERNATE DESIGN
 4. ALL CONCRETE SHALL BE MINIMUM 3000 P.S.I.
 5. ALL FOOTINGS SHALL BE BACKFILLED WITH 8910 STONE OR APPROVED MATERIAL



REVISIONS

02/19/2020 RELEASE FOR REVIEW

PLANNING FILE - J-L-20-SU



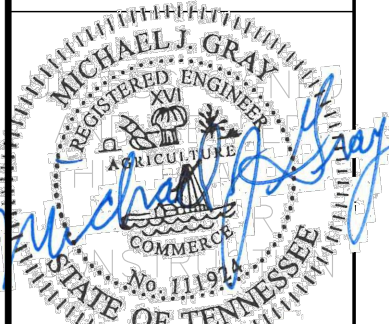
TACO BELL RESTAURANT

2085 NORTH BROADWAY KNOXVILLE, TN 37917
SITE #283291

SITE #283291

TACALA

3750 CORPORATE WOODS DRIVE
VESTAVIA HILLS, AL 35242
205.443.9600
WWW.TACALA.COM



JOB NO.: 18020
DWG NAME: 18020 PROJ

SITE DETAILS

SHEET:
C13

DATE: 2/24/20

INSTALLATION

- INSTALL ACCORDING TO APPROVED PLAN, IF SHOWN.
- INSTALL WHERE HEAVY FLOWS ARE EXPECTED.
- DO NOT INSTALL WHERE VEHICULAR TRAFFIC WILL BE AFFECTED.

MAINTENANCE

- INSPECT, CLEAR, AND/OR REPAIR AT THE END OF EACH WORKING DAY.
- DO NOT ALLOW SEDIMENT INTO THE STORM DRAIN.
- REMOVE SEDIMENT WHEN IT HAS ACCUMULATED UP TO THE HALF-WAY POINT OF THE SILT FENCE FABRIC.
- APPROPRIATELY STABILIZE ALL AREAS AROUND THE INLET UPON REMOVAL FOR FINAL STABILIZATION.

SPECIFICATIONS

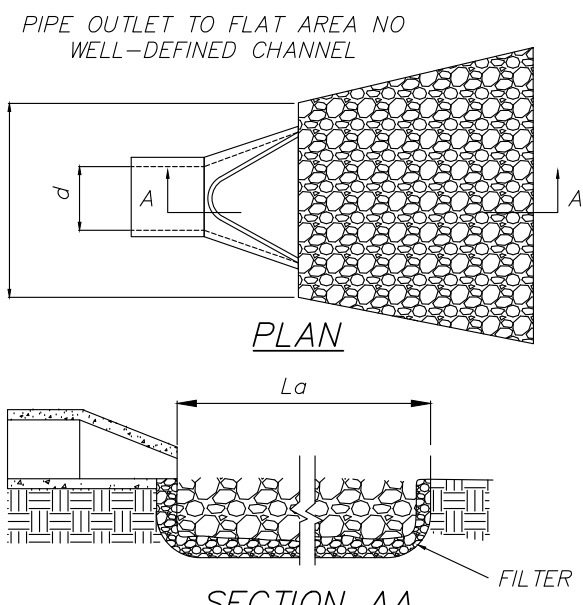
MECHANICAL	PER ASTM	REQUIRED VALUE
TENSILE STRENGTH AT YIELD	D638-89	3600 psi
ELONGATION AT BREAK	D638-89	> 600%
TENSILE IMPACT	D1822-89	170 ft. lb. / in ²
IMPACT BRITTLENESS TEMPERATURE	D746-79	< -103° F
ENVIRONMENTAL STRESS CRACK RESISTANCE	D1693-70	> 800 hrs.
HARDNESS, SHORE D	D2240-86	68
THERMAL	PER ASTM	REQUIRED VALUE
VICAT SOFTENING TEMPERATURE	D1525-87	254° F
HEAT DEFLECTION TEMPERATURE, 66 psi LOAD	D648-82	157° F
COEFFICIENT OF LINEAR THERMAL EXPANSION	D696-86	7×10^{-5} in/in/°F
PROCESSING	PER ASTM	REQUIRED VALUE
BULK DENSITY	D1895-89	37 lb. / ft. ³
FILTER, MAIN BODY	PER ASTM	REQUIRED VALUE
WEIGHT	D-3776	3.0 oz y ²
TENSILE STRENGTH	D-4632	80 lb.
ELONGATION AT BREAK	D-4632	50%
MULLEN BURST	D-3786	150
PUNCTURE STRENGTH	D-4833	50
TRAPEZOIDAL TEAR	D-4533	30
AOS-US STD SLEEVE	D-4751	70
PERMITTIVITY	D-4491	2.0
U.V. RESISTANCE, %	D-4355 (500 HOURS)	70

TEMPORARY INLET SEDIMENT TRAP (ALTERNATE CAP)

N.T.S.

(Sd2-A)

GA-Sd2A1



NOTES

- L₀ IS THE LENGTH OF THE RIPRAP APRON.
- D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
- IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OF TO THE TOP OF THE BANK, WHICHEVER IS LESS.
- A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

INSTALLATION

- ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
- THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.
- GEOTEXTILE MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER FABRIC OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MINIMUM OF 1 FT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER FABRIC.
- RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER.
- THE MINIMUM THICKNESS OF RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
- CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFALL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
- ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
- IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREA WITH VEGETATION.
- STONE QUALITY-SELECT STONE FOR RIPRAP FROM FIELD STONE OR QUARRY STONE. THE STONE SHOULD BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT. THE SPECIFIC GRAVITY OF THE INDIVIDUAL STONES SHOULD BE AT LEAST 2.5
- FILTER - INSTALL A FILTER TO PREVENT SOIL MOVEMENT THROUGH THE OPENINGS IN THE RIPRAP. THE FILTER SHOULD CONSIST OF A GRADED GRAVEL LAYER OF A SYNTHETIC FILTER CLOTH.

MAINTENANCE

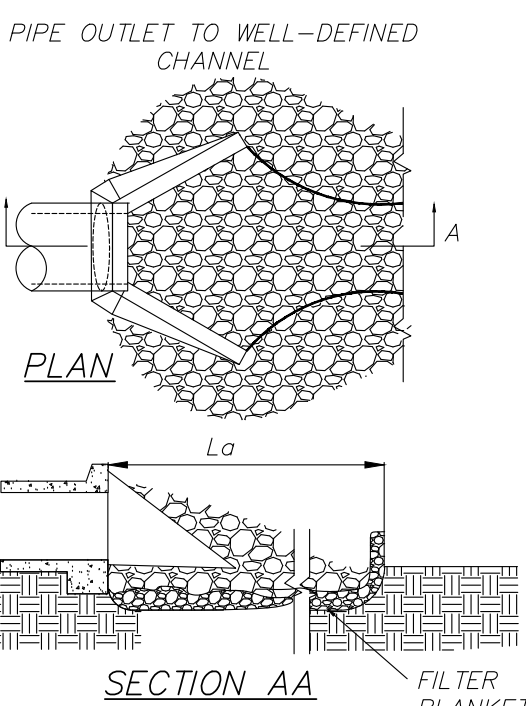
- INSPECT RIPRAP OUTLET STRUCTURE AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLOGGED.
- IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

STORM DRAIN OUTLET PROTECTION

N.T.S.

(St)

GA-St



METHOD AND MATERIALS

TEMPORARY METHODS

- MULCHES - COVER DISTURBED AREA WITH MULCHING ONLY.
- SYNTHETIC RESINS - USED TO BIND MULCH MATERIAL, SUCH AS ASPHALT EMULSIONS.
- TACKIFIERS AND BINDERS - RESINS SUCH AS CURASOL OR TERRATAK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- VEGETATIVE COVER - COVER DISTURBED AREA WITH TEMPORARY SEEDING.
- SPRAY-ON ADHESIVES - USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. APPLY PER RATE REQUIREMENTS.
- TILLAGE - THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

- BARRIERS - SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
- CALCIUM CHLORIDE - APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

PERMANENT METHODS

- PERMANENT VEGETATION - COVER DISTURBED AREA WITH PERMANENT VEGETATION. EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
- TOPSOILING - THIS ENTAILS COVERING THE SURFACE WITH LESS ERODIBLE SOIL MATERIAL.
- STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL, SUCH AS A CONSTRUCTION ROAD.

INSTALLATION

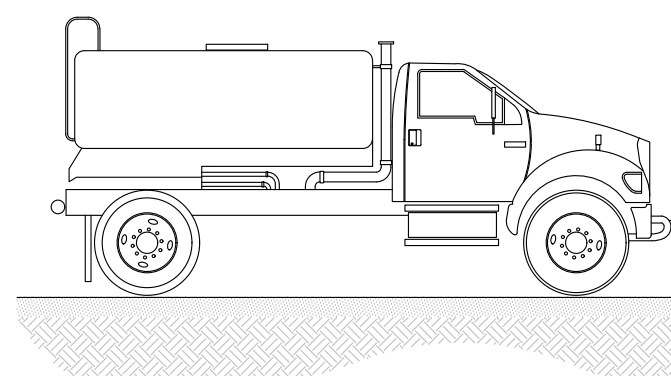
- APPLY AS NEEDED ON ALL SITES.
- PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.
- REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.
- APPLY TEMPORARY OR PERMANENT CONTROL MEASURES AS NEEDED.

SPRAY-ON ADHESIVE APPLICATION

ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL./ACRE)
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

MAINTENANCE

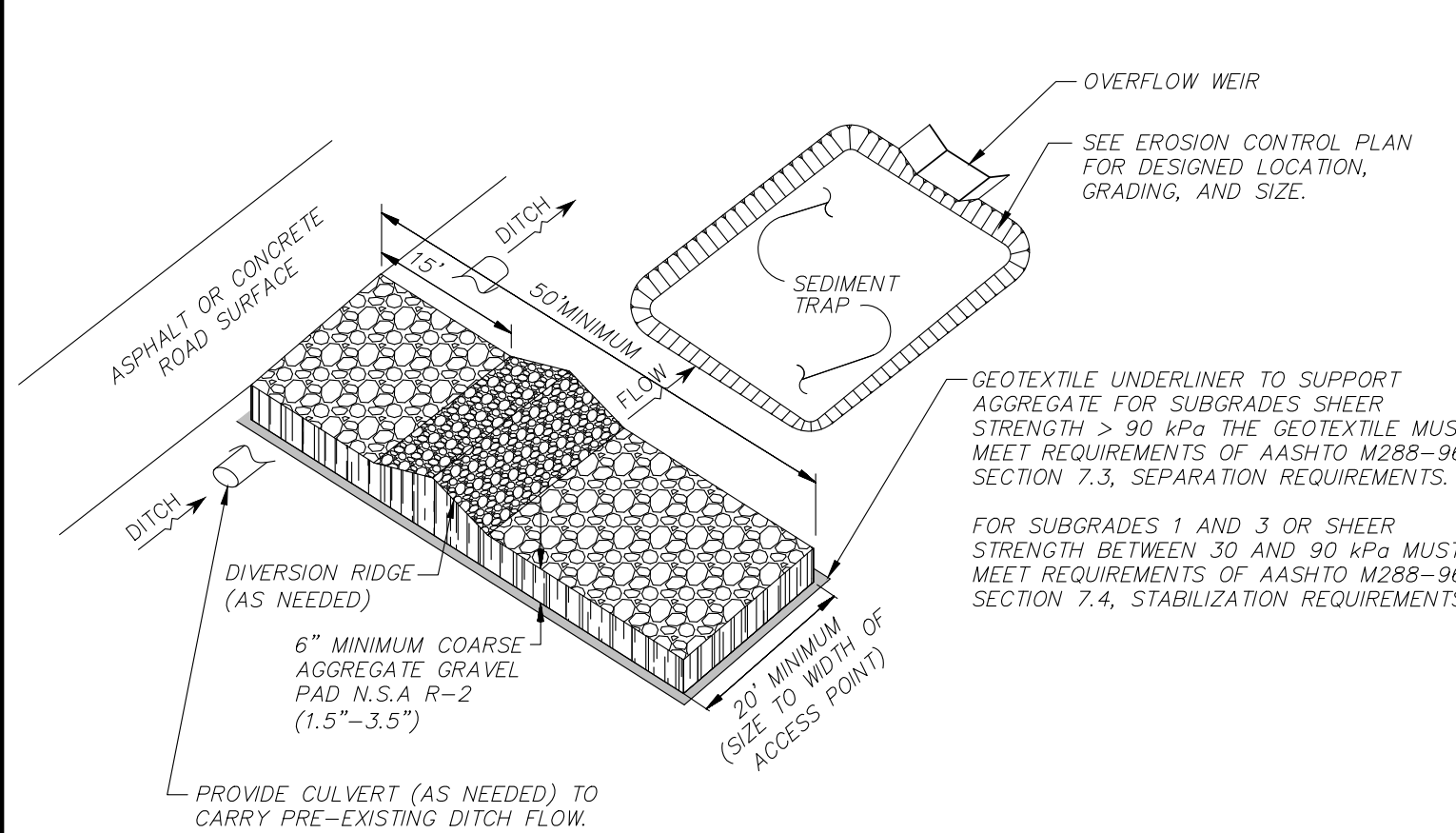
- PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.
- SUPPLEMENT SURFACE COVERING AS NEEDED.
- RE-APPLY AS NEEDED.



DUST CONTROL ON DISTURBED AREA

(Du)

GA-Du



INSTALLATION

- A STONE STABILIZED PAD MUST BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AT THE TRANSITION FROM BARE SOIL TO A PAVED AREA.
- EXCAVATE FOOTPRINT 3 INCHES TO INSTALL PAD.
- ROUTE RUNOFF FROM WASHING (IF REQUIRED) TO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- WASHING IS REQUIRED IF VEHICLES ARE TRACKING MUD ONTO PUBLIC RIGHTS-OF-WAY.
- GEOTEXTILE UNDERLINER MUST MEET REQUIREMENTS BASED ON SUBGRADE CBR VALUES.
- PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.
- SEDIMENT TRAP SHALL BE LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND AT A MINIMUM SETBACK DISTANCE AS REQUIRED PER LOCAL JURISDICTION. SEE EROSION CONTROL PLAN FOR LOCATION OF SEDIMENT TRAP(S).
- CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.

MAINTENANCE

- INSPECT DAILY AND PERIODICALLY DRESS WITH STONE AS NEEDED FOR REPAIR.
- IMMEDIATELY REMOVE ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES.
- MAINTAIN IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
- FLUSH SURFACE STONE TOWARD SEDIMENT TRAP WITH HIGH VOLUME WATER FLOW AS NEEDED TO MAINTAIN CLEAN SURFACE STONE.

DIVERSION RIDGE

- INSTALL 6" TO 8" HIGH DIVERSION RIDGE WHERE PAD SLOPES GREATER THAN 2% TOWARD PAVED AREA.
- CONSTRUCT BOTH SIDES OF RIDGE WITH 3:1 SIDE SLOPES.

CONSTRUCTION ENTRANCE

N.T.S.

(Co)

GA-Co

INSTALLATION

- MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE.
- MULCH IS NOT SUITABLE FOR USE ON AREAS THAT WILL BE EXPOSED FOR SIX MONTHS OR LONGER. IF AN AREA IS EXPECTED TO BE UNDISTURBED FOR LONGER THAN SIX MONTHS, PERMANENT PERENNIAL VEGETATION IS REQUIRED.
- MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS IF OPTIMUM PLANTING CONDITIONS FOR TEMPORARY GRASSING IS LACKING.
- MULCH MUST BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED AS NEEDED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE.
- IN CONCENTRATED FLOW AREAS, ENSURE MULCH IS PROPERLY ANCHORED OR AVOID UTILIZING MULCH ALL TOGETHER.
- GRADE SITE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
- INSTALL OTHER NEEDED/REQUIRED EROSION CONTROL MEASURE BMPs PRIOR TO PLACING MULCH ON AREA.
- LOOSEN COMPACTED SOIL TO A MINIMUM DEPTH OF THREE (3) INCHES.
- APPLY MULCH UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.
- CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.

MULCHING MATERIALS

- DRY STRAW OR HAY - DRIED STRAW OR HAY WITH THE ADVANTAGE OF EASY APPLICATION.
- WOOD WASTE - ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
- CUTBACK ASPHALT - SLOW CURING SHALL BE USED FOR EROSION CONTROL APPLICATIONS.
- POLYETHYLENE FILM - SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIALS FOR TEMPORARY PROTECTION. THIS COVER MATERIAL CAN BE SALVAGED AND RE-USED.

MAINTENANCE

- ADD MULCH AS NEEDED TO MAINTAIN THE SUGGESTED DEPTH.
- ENSURE MINIMUM OF 90% COVERAGE OF ALL EXPOSED EARTH.
- IF ORGANIC MULCH IS TO BE LEFT AND INCORPORATED INTO THE SOIL, APPLY 20-30 POUNDS OF NITROGEN IN ADDITION TO THE FERTILIZER REQUIRED FOR VEGETATION.

ANCHORING MULCH

- STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.
- MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-SOR 95-1) OR OTHER SUITABLE TACKIFIER.
- WOOD WASTE ON SLOPES FLATTER THAN 3:1 (33%) DO NOT NEED ANCHORING.
- STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK". DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 9 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION.
- STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE OR SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT.
- EMULSIFIED ASPHALT SHALL BE APPLIED AS A MIXTURE OF 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH.
- TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE FOR THE WOOD WASTE CHIPS.
- POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

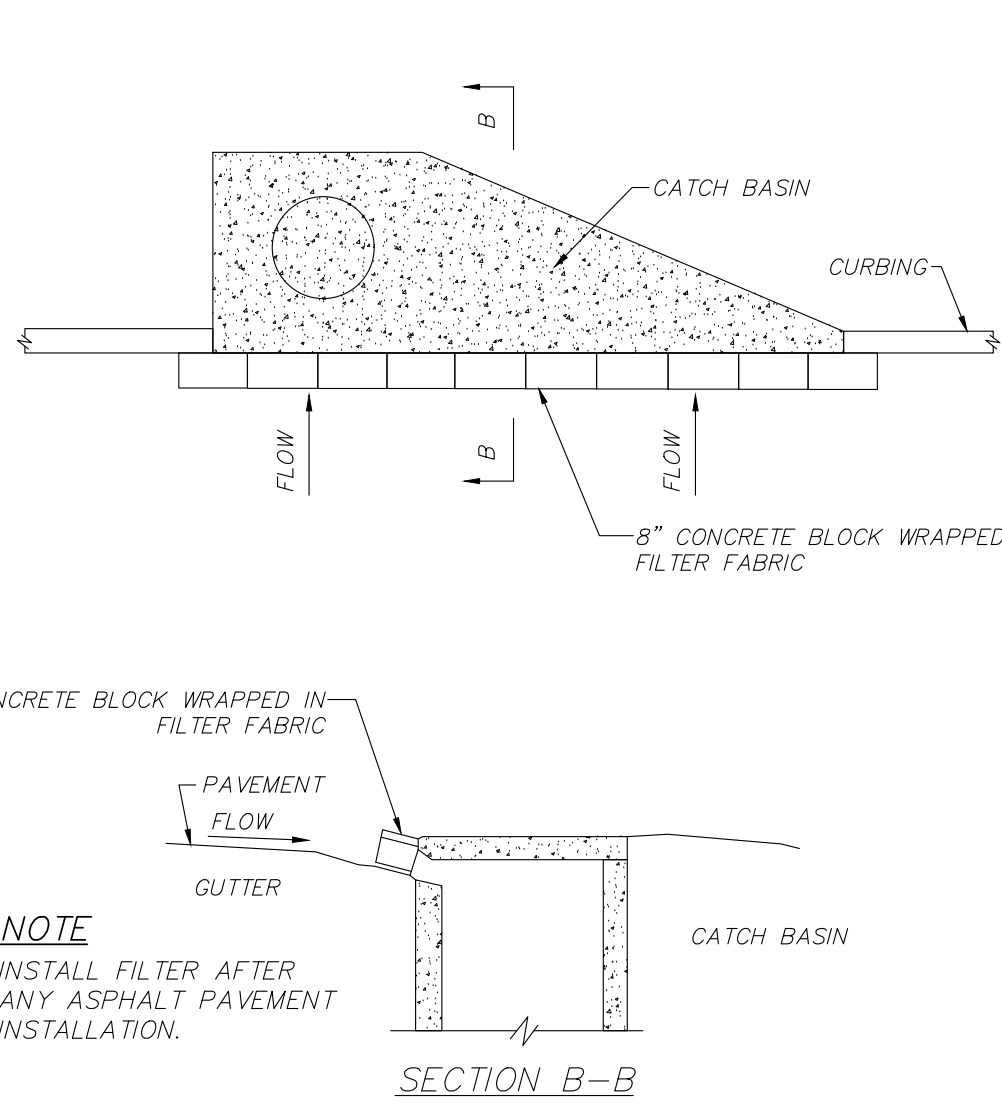
MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 TON/ACRE	2" TO 4"
WOOD WASTE, CHIPS, SAWDUST, BARK	6 TO 9 TON/ACRE	2" TO 3"
CUTBACK ASPHALT	1200 GAL./ACRE OR 1/4 GAL./SQ. YD. OR SEE MANUFACTURER'S RECOMMENDATIONS	---
POLYETHYLENE FILM	SECURE WITH SOIL, ANCHORS, WEIGHTS	---
GEOTEXTILES, JOE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	---

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

(Ds1)

GA-Ds1



NOTE

INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.

SECTION B-B

INSTALLATION

CURB INLET FILTER (PIGS-IN-A-BLANKET)

- INSTALL FILTER AFTER ASPHALT PAVEMENT INSTALLATION.
- WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
- FACE OPENING IN BLOCKS OUTWARD.
- INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.
- LEAVE A GAP OF 4 INCHES BETWEEN THE INLET FILTER AND THE INLET TO ALLOW FOR OVERFLOW AND PREVENT HAZARDOUS PONDING IN THE ROADWAY

MAINTENANCE:

- INSPECT, CLEAR, AND/OR REPAIR TRAP AT THE END OF EACH WORKING DAY.
- DO NOT REMOVE INLET PROTECTION AND WASH SEDIMENT INTO THE STORM DRAIN.
- REMOVE SEDIMENT FROM THE TRAP AND STABILIZE IT WITH VEGETATION.
- REMOVE ALL MATERIALS AND ANY INSTABLE SOIL ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED.
- APPROPRIATELY STABILIZED ALL BARE AREAS AROUND THE INLET.

CURB INLET FILTER "PIGS IN A BLANKET"

N.T.S.

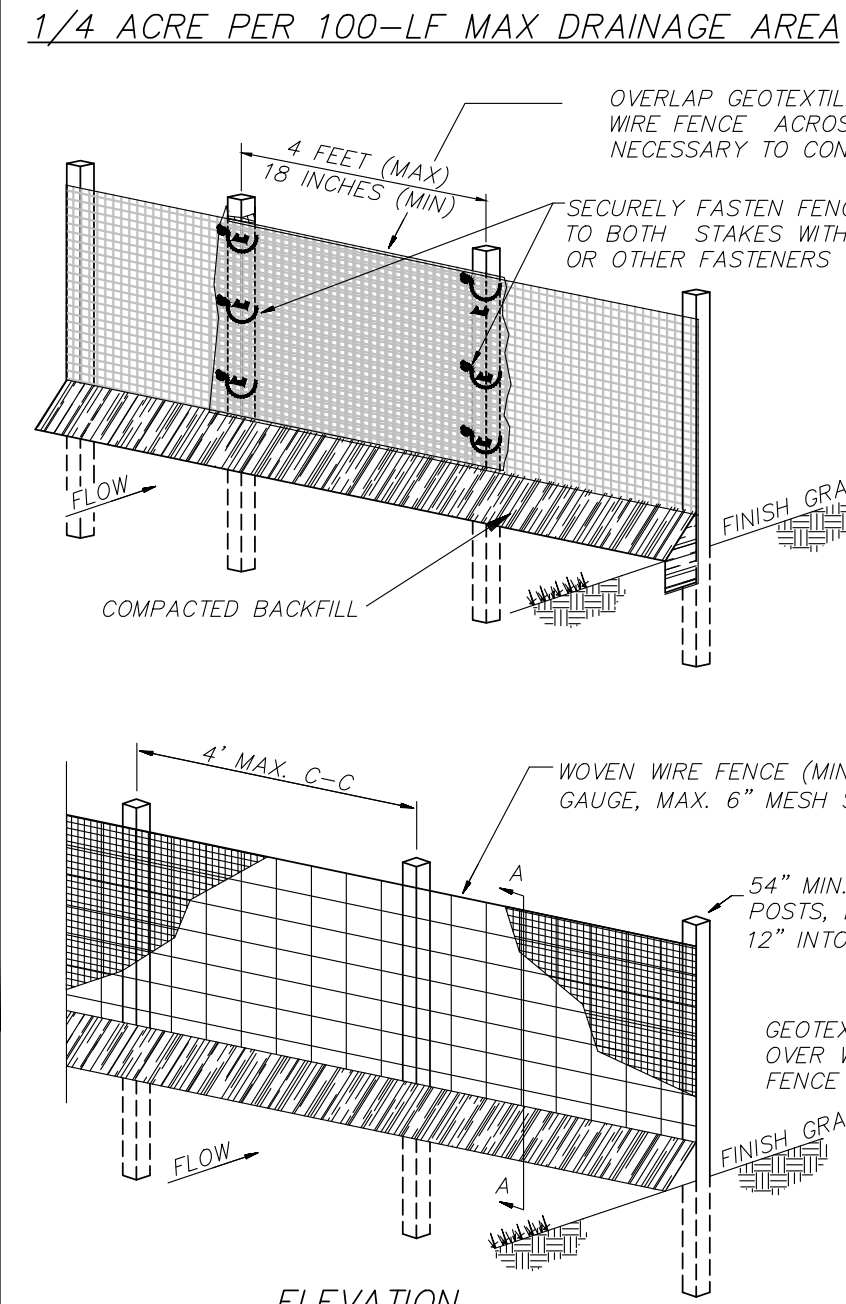
(Sd2-P)

GA-Sd2-P

SEDIMENT BARRIER - TYPE 'C' SILT FENCE

N.T.S.

(Sd1-C)



ELEVATION

MAINTENANCE

- SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
- FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DEGRADED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROX. 6 MONTHS), OR ANY TEARS OR HOLES ARE IN THE FABRIC.
- TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

SILT FENCE FILTER FABRIC

- UTILIZE DOT APPROVED FABRICS. COMMON EXAMPLES INCLUDE: MIRAFI 130X, AMOCO 1198, BELTECH 810, SI 915 SC, LING GTF 190.
- UTILIZE FENCE FABRIC THAT MEETS THE FOLLOWING CRITERIA:
 - TENSILE STRENGTH PER ASTM D-4632 WITH WARP-260 AND FILL-180 (LBS. MIN.)
 - ELONGATION PER ASTM D-4632 OF 40% MAX
 - APPARENT OPENING SIZE (MAX. SIEVE SIZE) PER ASTM D-4751 OF #30
 - FLOW RATE OF 70 GAL./MIN./SQ.FT.
 - ULTRAVIOLET STABILITY OF 90 PER ASTM D-4632 AFTER 300 HOURS WEATHERING IN ACCORDANCE WITH ASTM D-4355
 - BURSTING STRENGTH OF 175 PSI MIN. PER ASTM D-3786

REVISIONS

12/19/2020 RELEASE FOR REVIEW

PLANNING FILE - 3-1-20-SU



TACO BELL RESTAURANT

2085 NORTH BROADWAY KNOXVILLE, TN 37917

SITE #283291

TACALA

3750 CORPORATE WOODS DRIVE
VESTAVIA HILLS, AL 35242
205.449.9600
WWW.TACALACOM



JOB NO: 18020

DWG NAME: 18020 PROJ

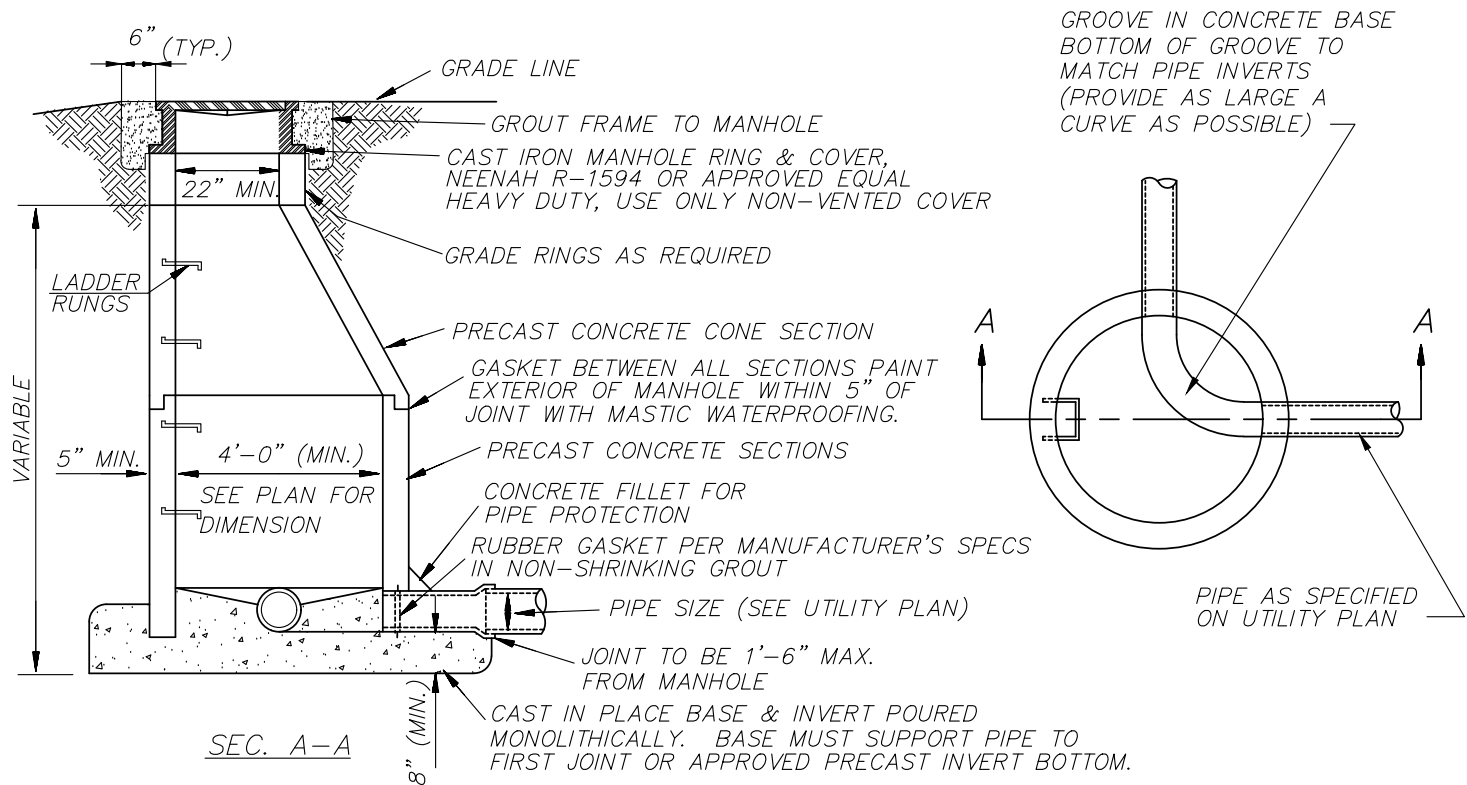
EROSION CONTROL DETAILS

SHEET:

C14

DATE: 2/24/20

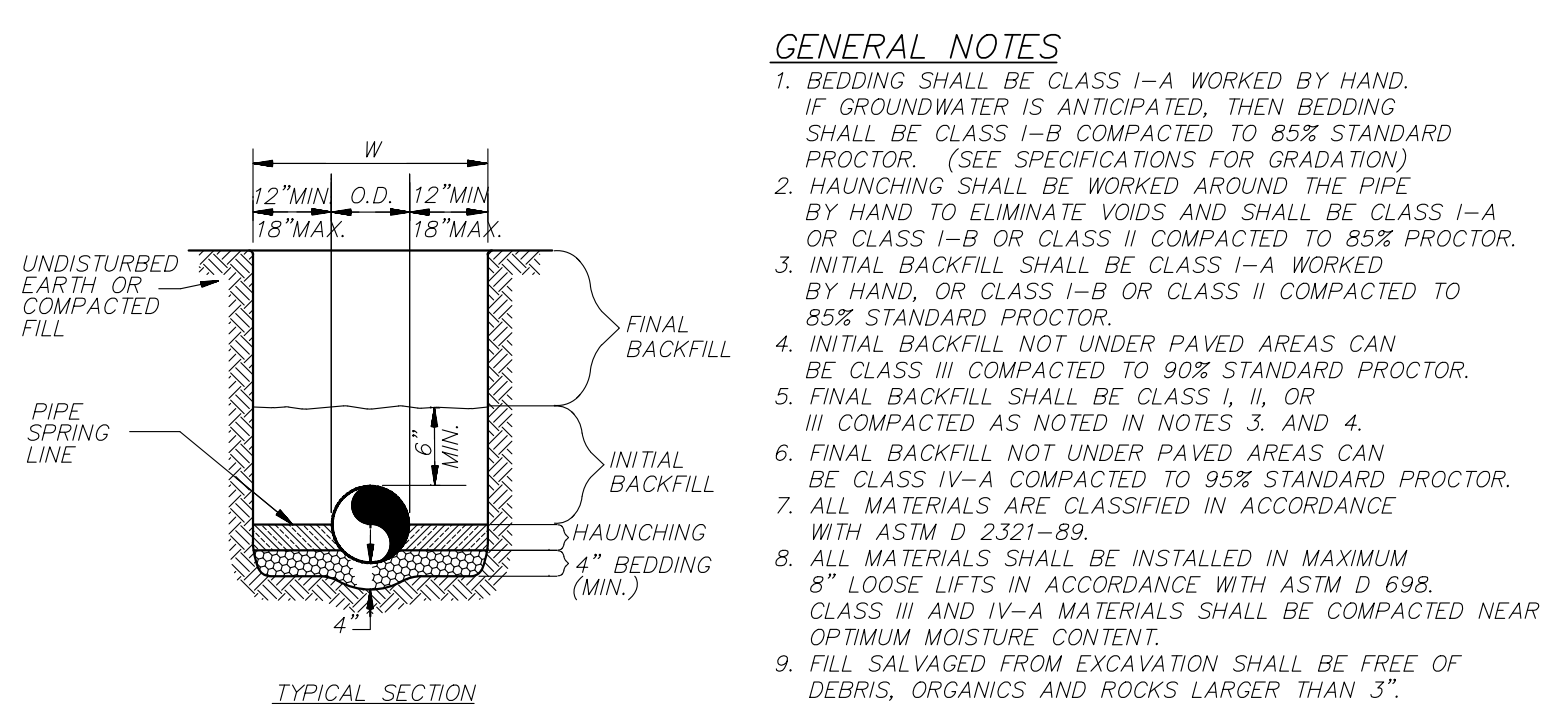
C:\USERS\WKEGRAVY\TACALA, LLC\WORK OFFICE CAD SYNC - DOCUMENTS\JOB FILES\2018\18020 N. BROADWAY\DWG\18020 PRO.DWG



PRE-CAST
SANITARY SEWER MANHOLE

N.T.S.

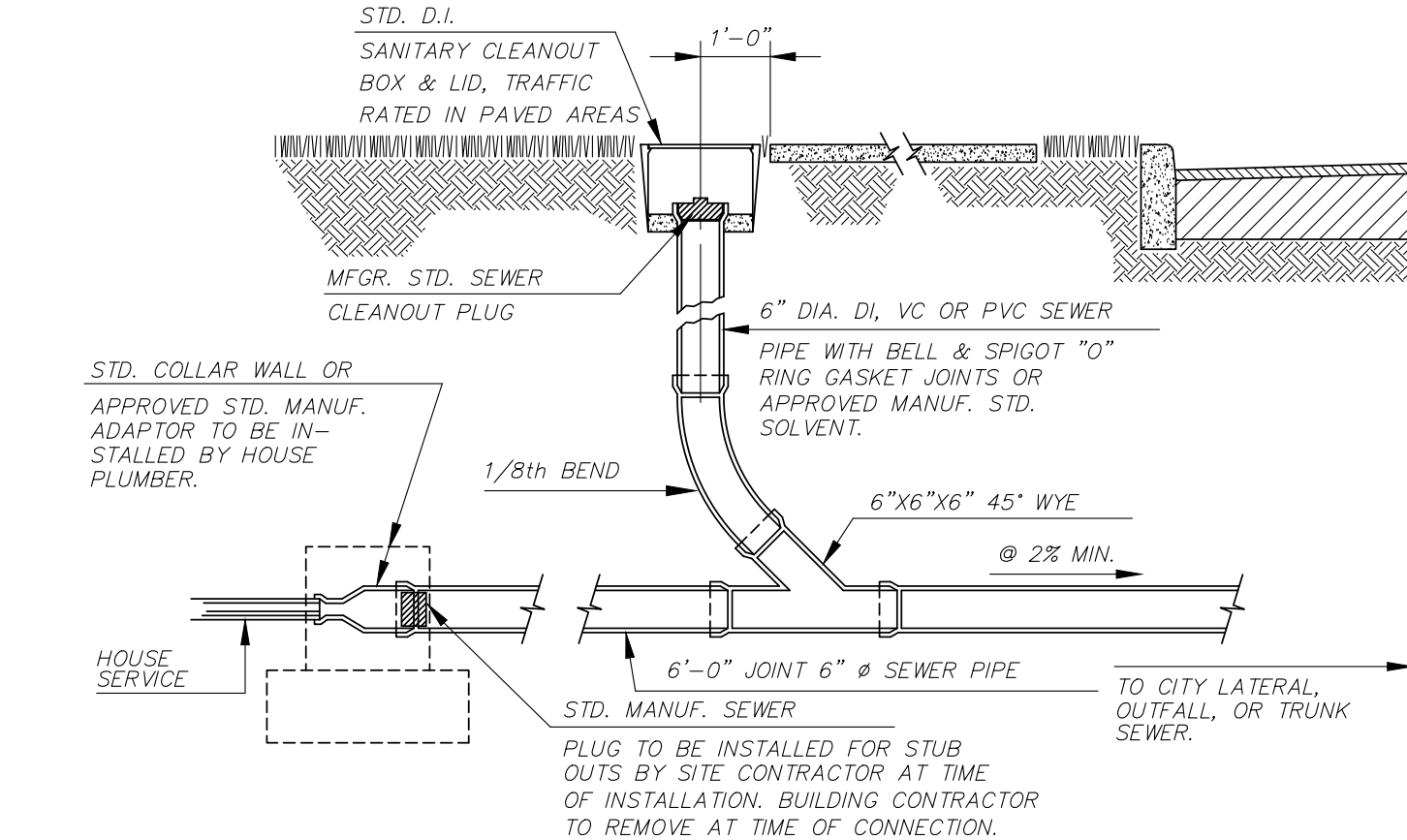
U2A



SANITARY SEWER + WATER LINE
TRENCH AND BEDDING

N.T.S.

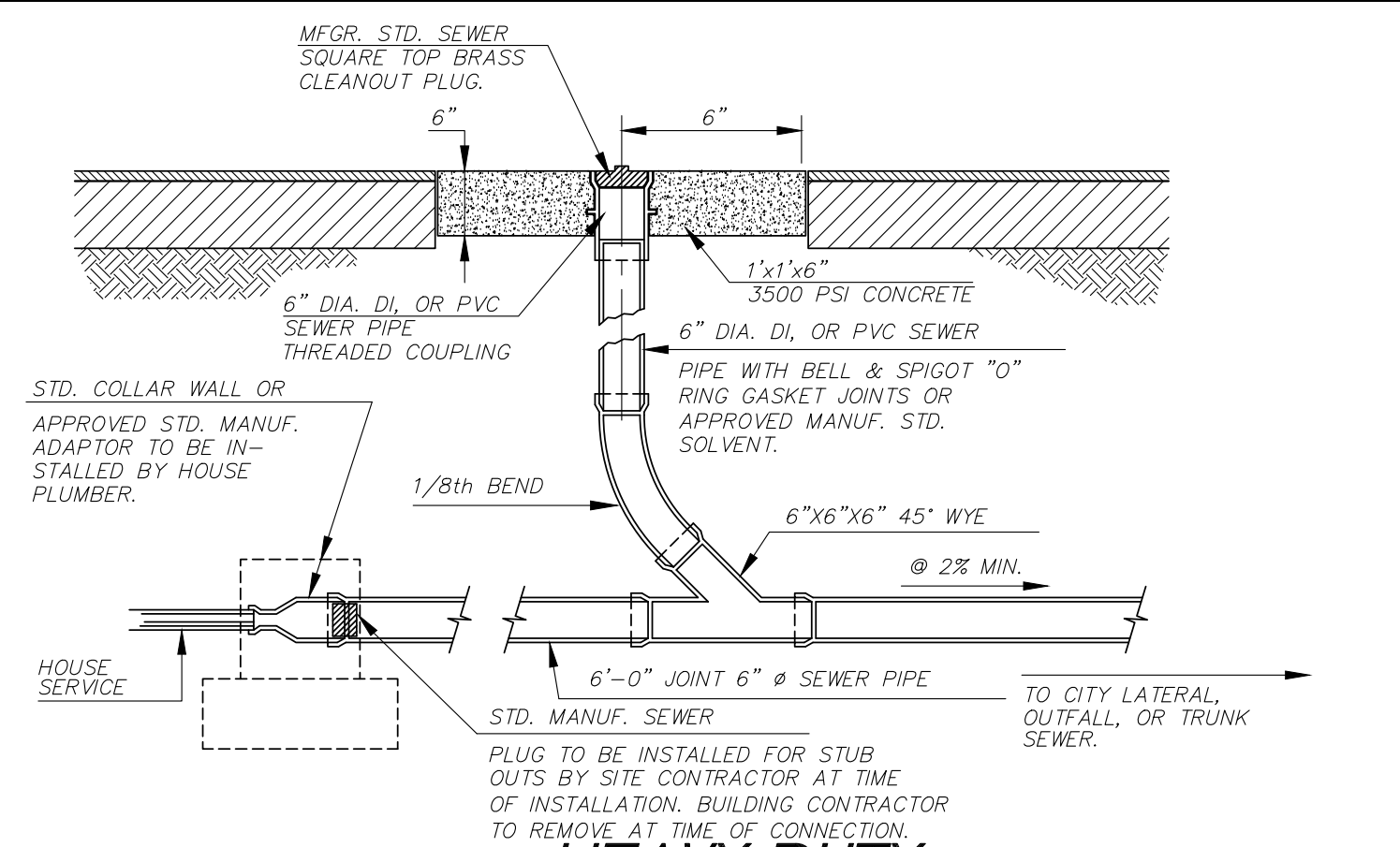
U2E



STANDARD
SANITARY CLEAN-OUT

N.T.S.

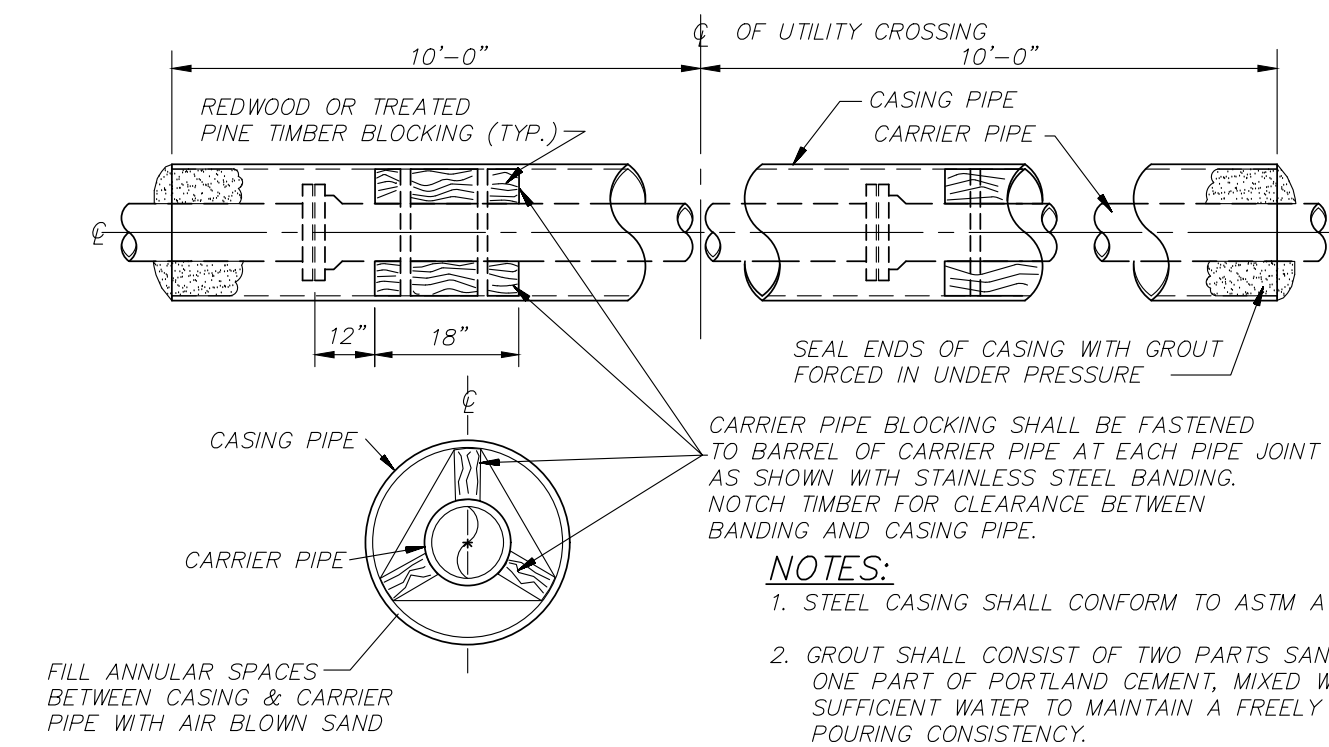
U2DD



HEAVY DUTY
SANITARY CLEAN-OUT IN ROADWAY SECTION

N.T.S.

U2D

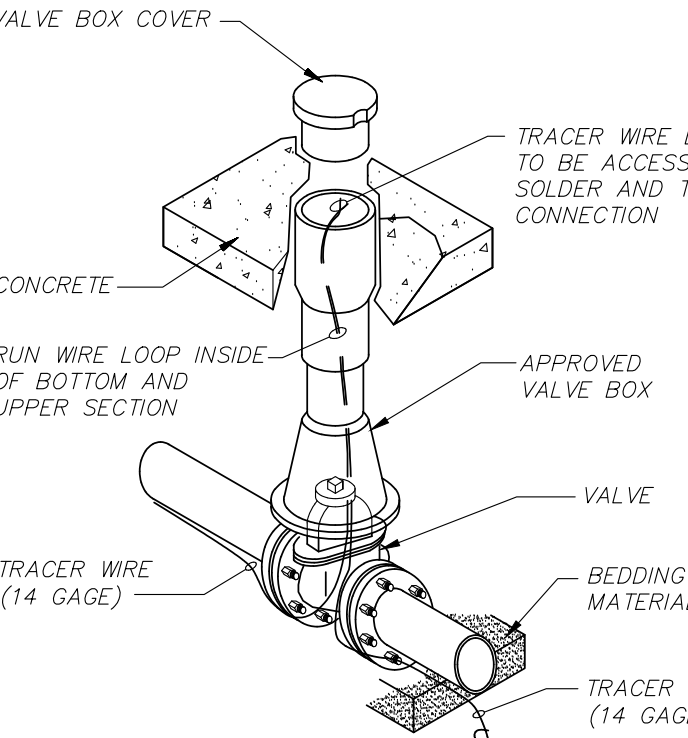


CARRIER AND CASING SIZES												
CARRIER (I.D.)	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"		
CASING (O.D.)	16"	16"	16"	18"	20"	24"	30"	30"	36"	36"		
CASING/WALL THICKNESS	.219	.219	.219	.250	.281	.344	.406	.406	.500	.500		

STEEL CASING FOR UTILITY CROSSINGS

N.T.S.

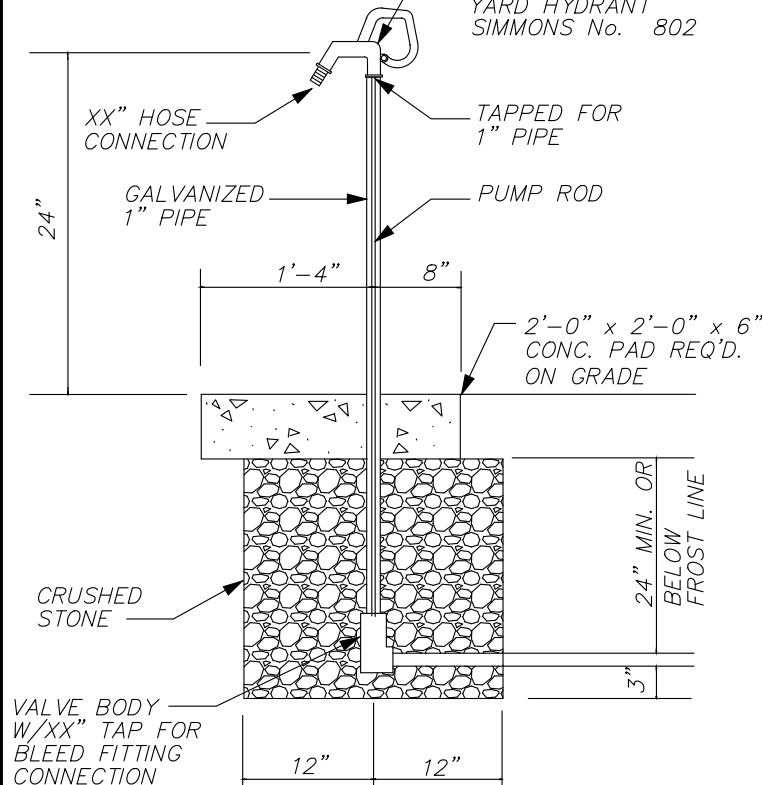
U5D



TRACER WIRE
INSTALLATION FOR
NON-FERROUS PIPE

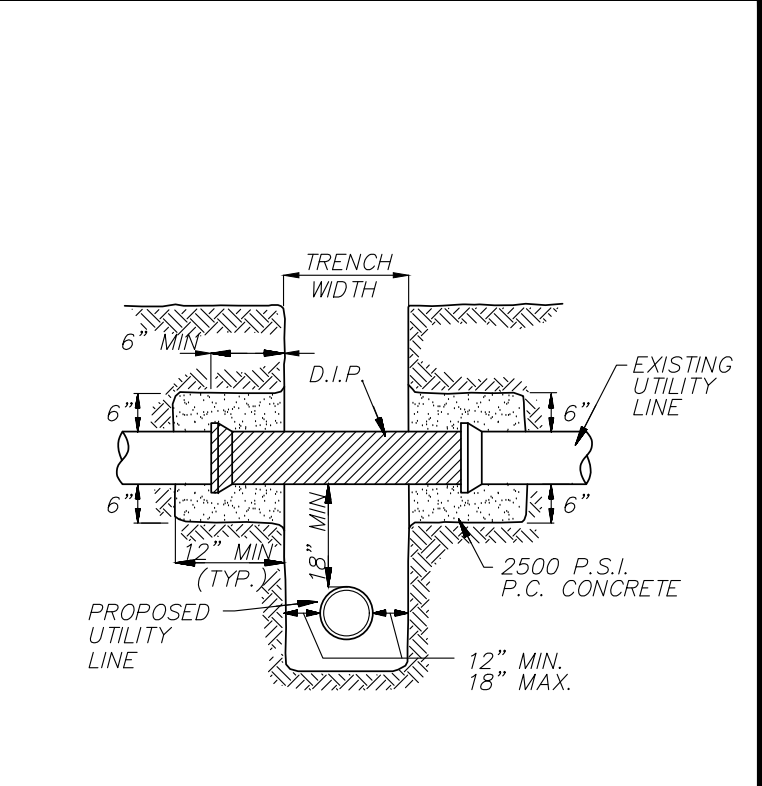
N.T.S.

U1J



GROUND-MOUNTED
YARD HOSE BIB

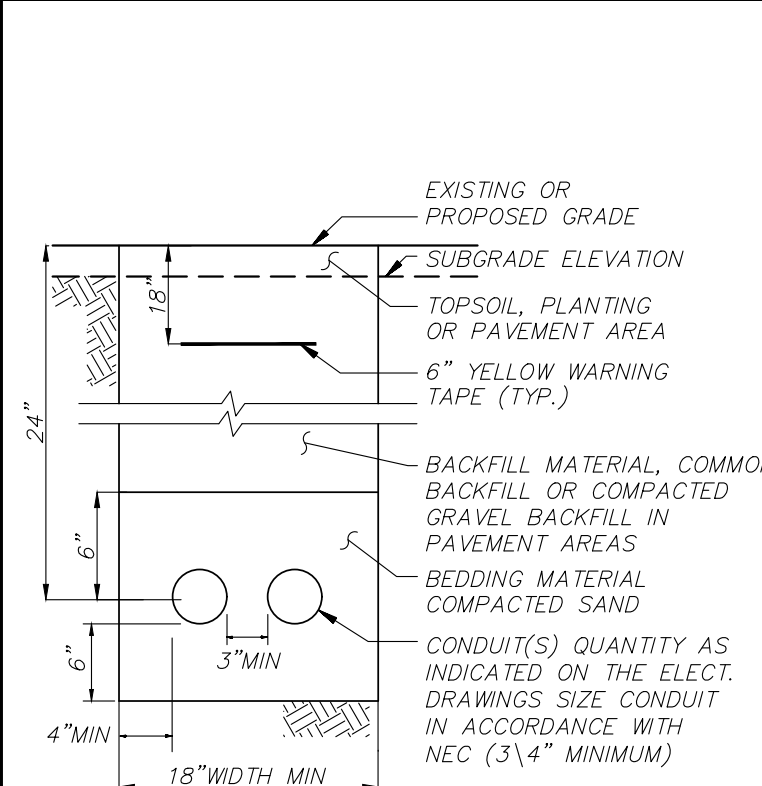
N.T.S.



UTILITY CROSSING

N.T.S.

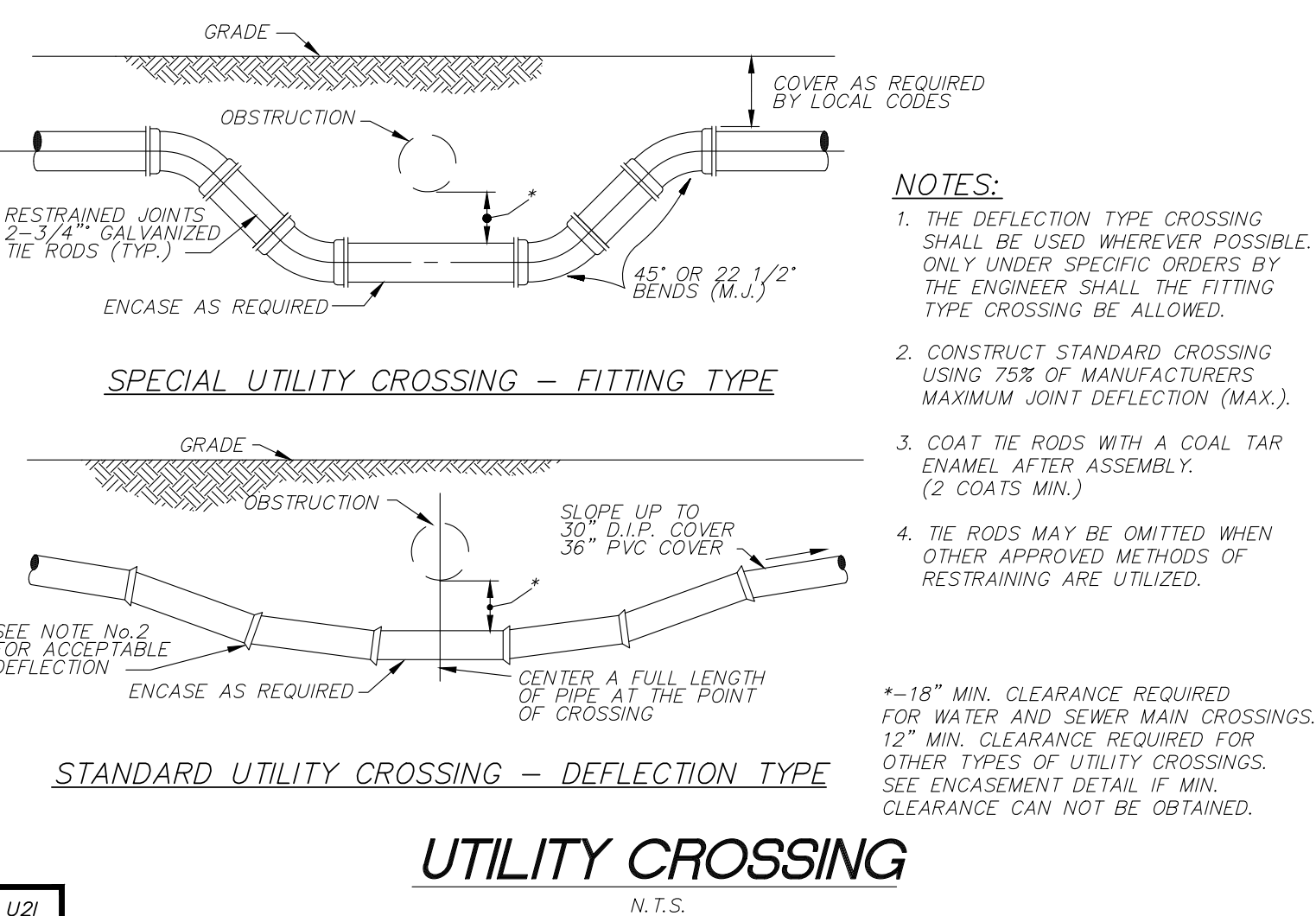
U2J



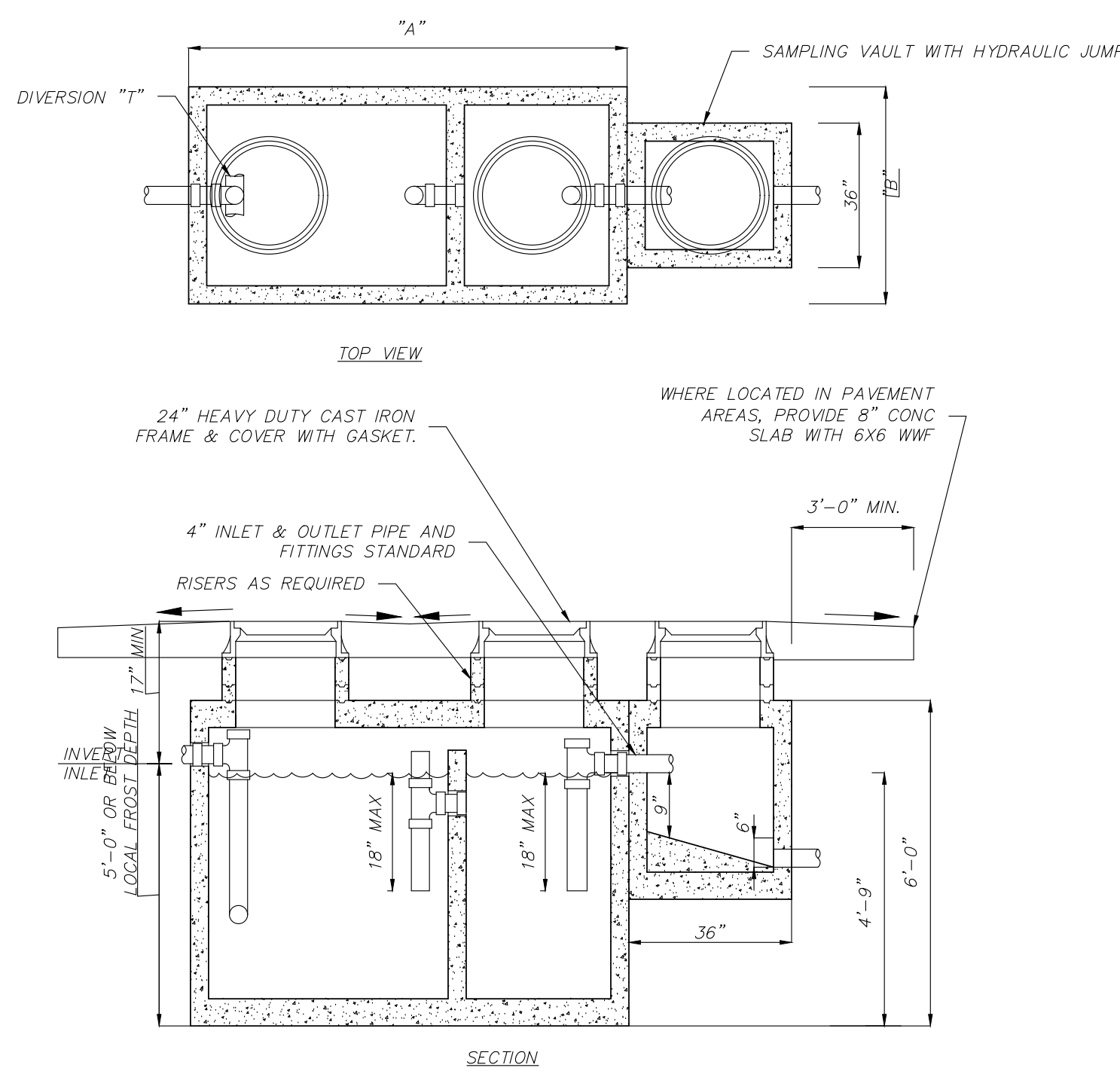
SITE LIGHTING TRENCH

N.T.S.

U4B



U2I



G.T. SIZE	DIM. "A"	DIM. "B"
1500 GALLON	9'-0"	5'-8"
2000 GALLON	11'-0"	6'-0"

NOTES
1500 GALLON IS STANDARD. REFER TO UTILITY PLAN
SAMPLING VAULT ONLY IF REQUIRED BY LOCAL CODE

EXTERIOR GREASE
INTERCEPTOR

N.T.S.

REVISIONS

02/19/2020 RELEASE FOR REVIEW

PLANNING FILE - 3-1-20-SU



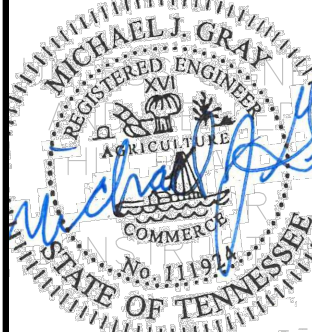
TACO BELL RESTAURANT

2085 NORTH BROADWAY KNOXVILLE, TN 37917

SITE #283291

TACALA

3750 CORPORATE WOODS DRIVE
KNOXVILLE, TN 37924
205-443-9400
WWW.TACALA.COM



JOB NO: 18020

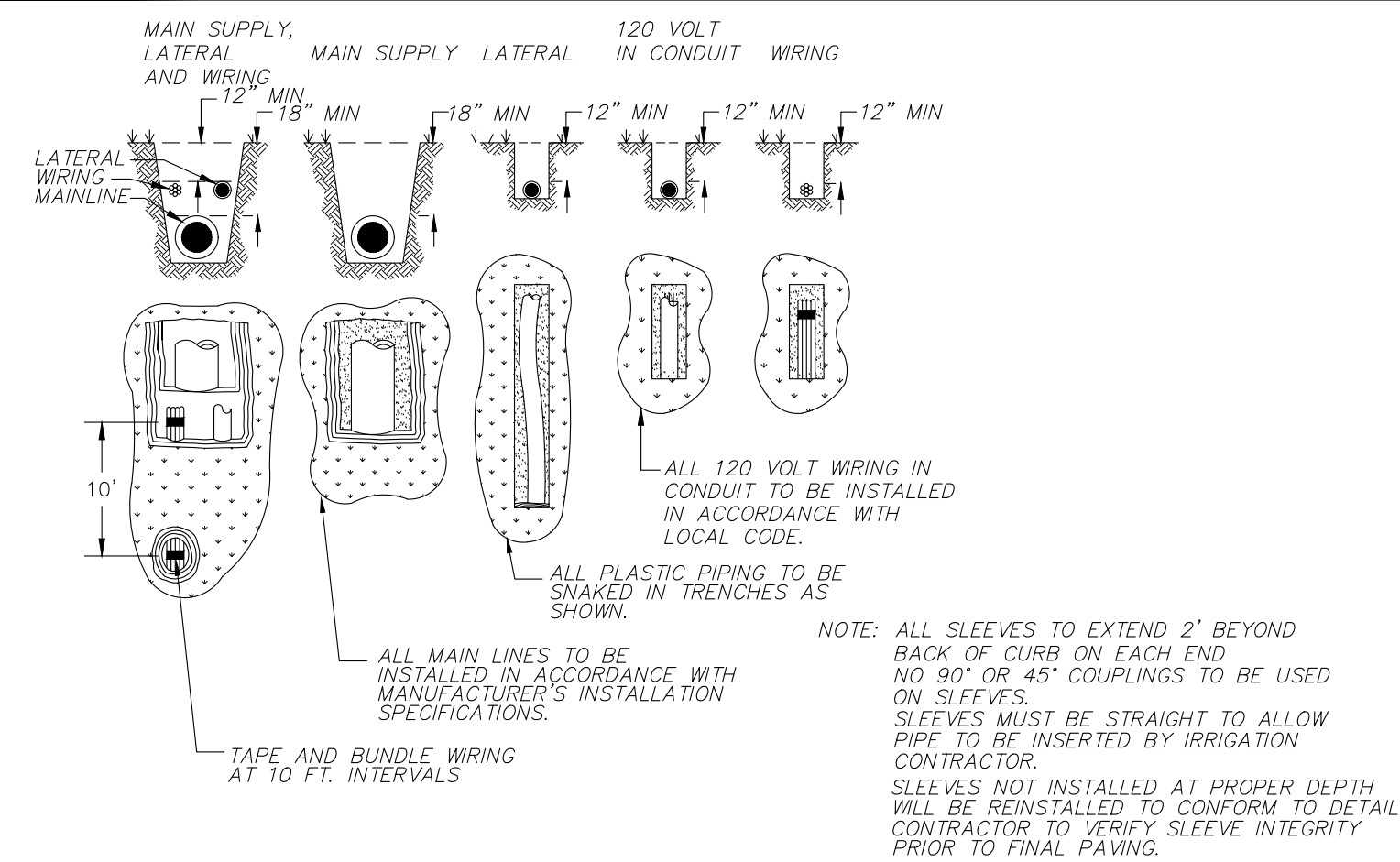
DWG NAME: 18020 PROJ

UTILITY DETAILS

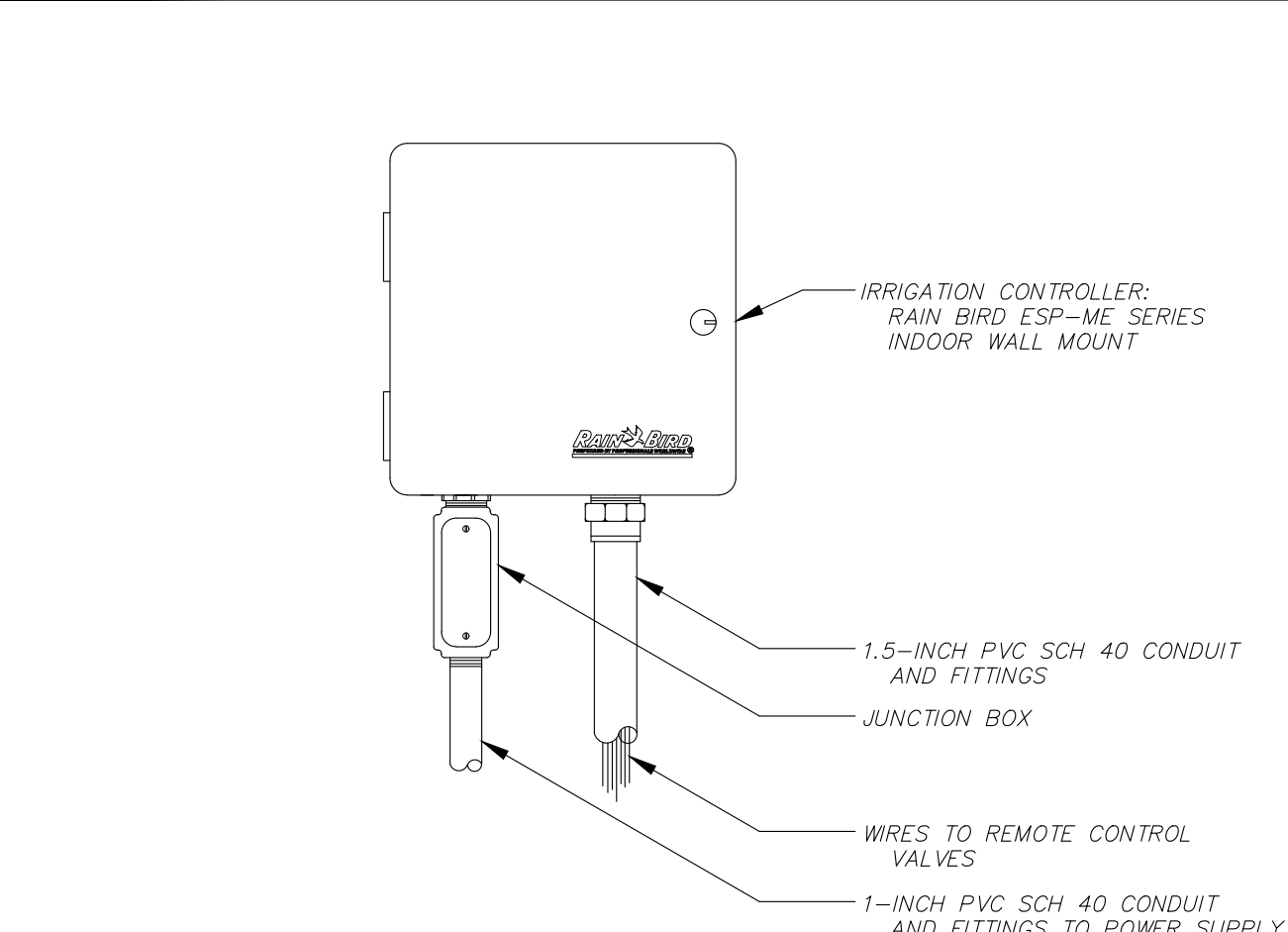
SHEET:

C15

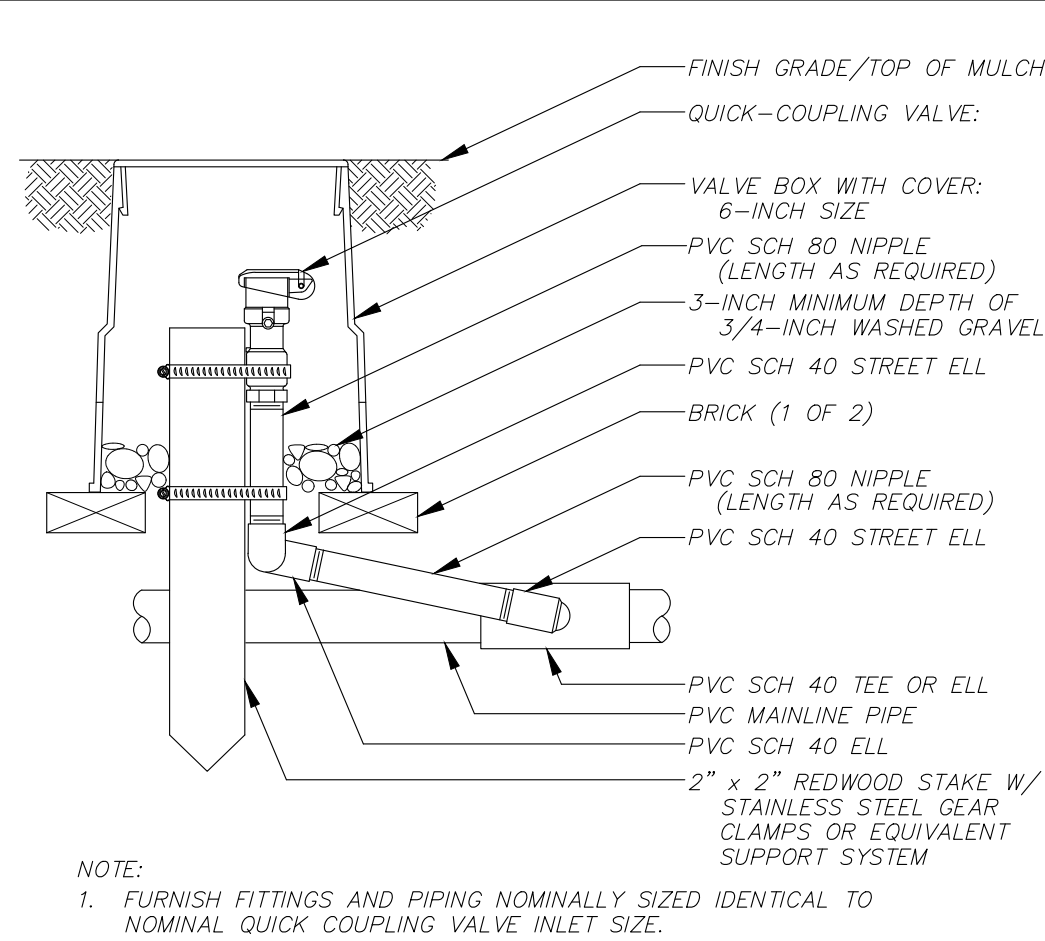
DATE: 2/24/20



TYPICAL TRENCHING DETAIL
N.T.S.

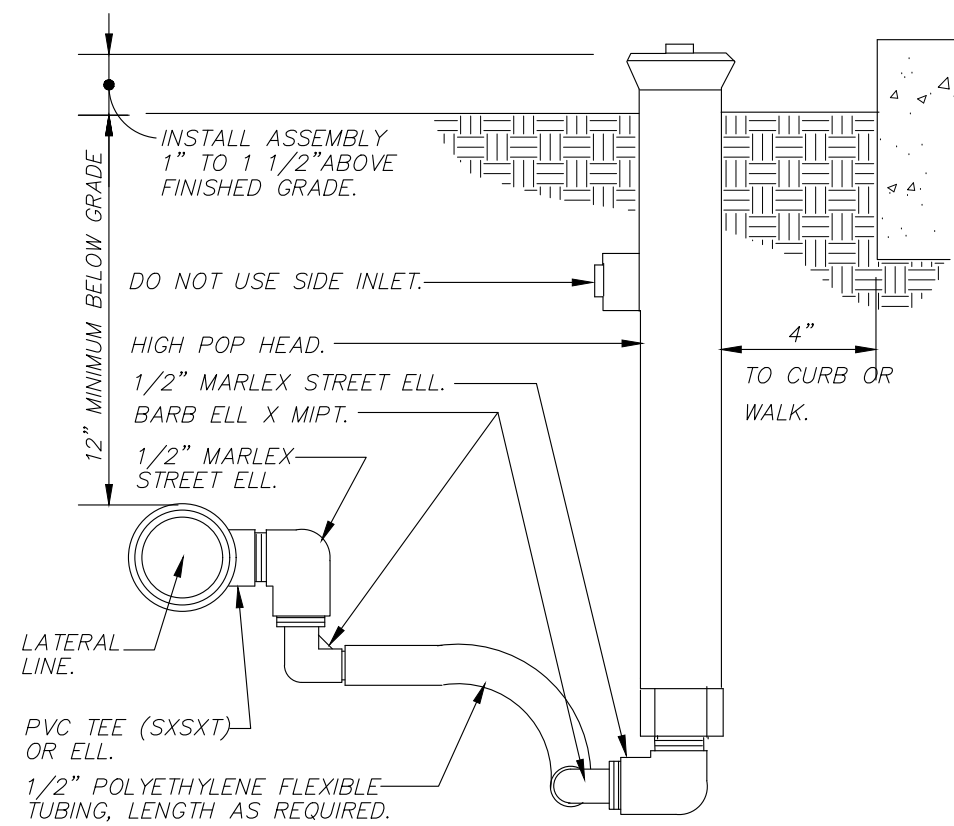


IRRIGATION CONTROLLER
N.T.S.

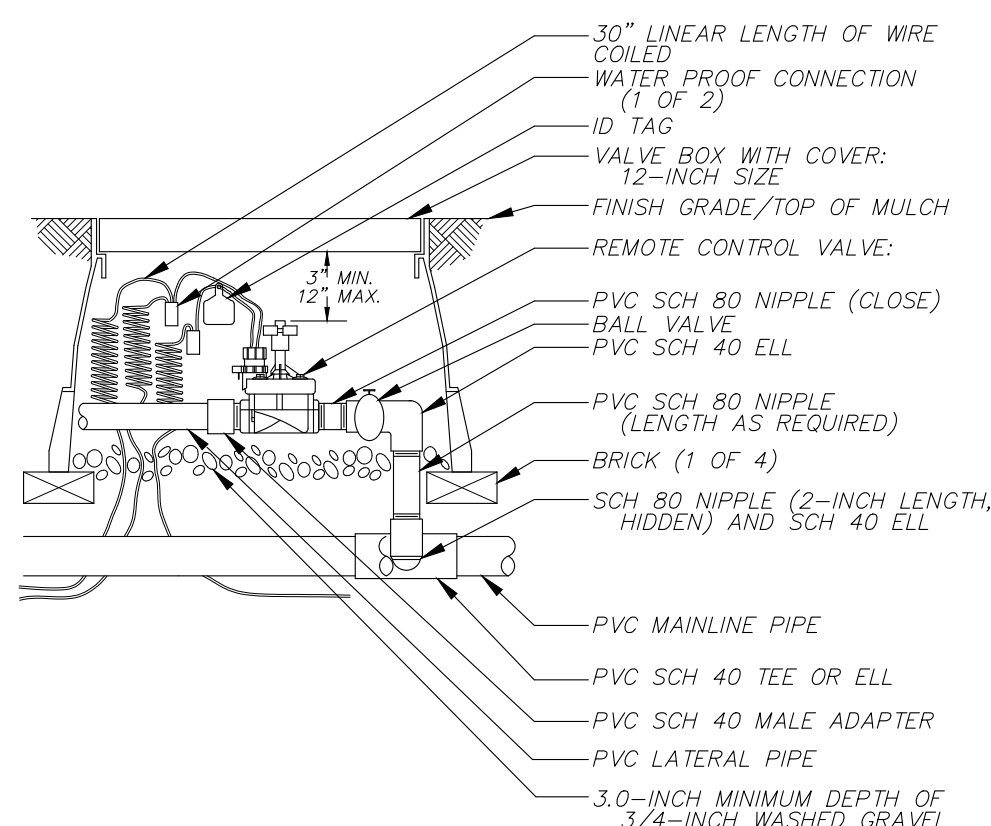


QUICK COUPLING VALVE
N.T.S.

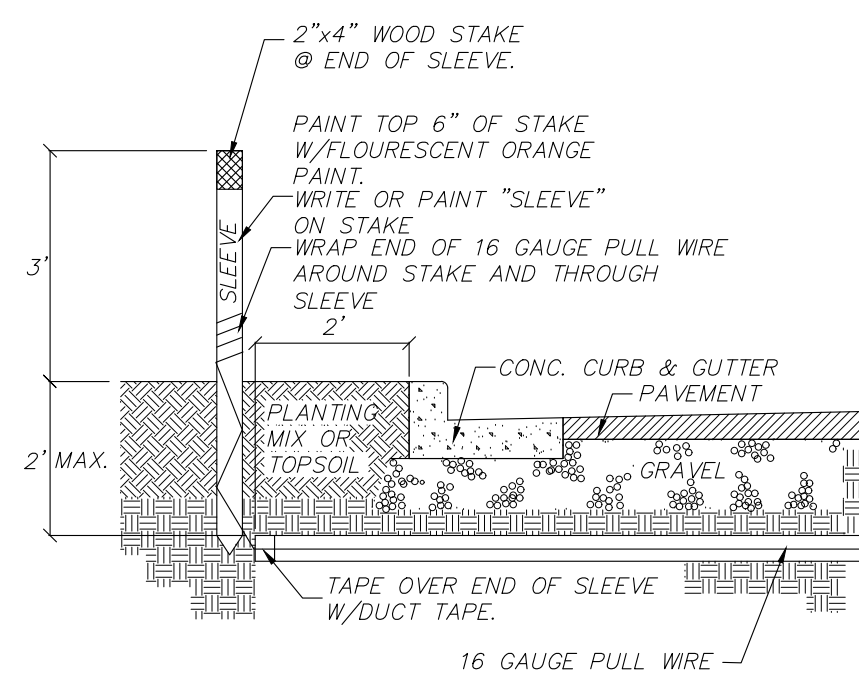
1. EXCEPT FOR OBVIOUS CROSSINGS, PIPE IS IN PAVING OR OUTSIDE OF PROPERTY LINE FOR GRAPHIC CLARITY ONLY.
2. ALL WORK SHALL BE DONE WITHIN PROPERTY LINES.
3. CONTRACTOR SHALL INSTALL AUTOMATIC DRAIN VALVES AT ALL LOW POINTS IN SYSTEM.
4. ALL HEADS IN SHRUB BEDS SHALL BE INSTALLED ON 12" RISERS.
5. SEE ADDITIONAL IRRIGATION NOTES SHEET C6.



SHRUB SPRAY HIGHPOP W/ FLEX ASSEMBLY
N.T.S.

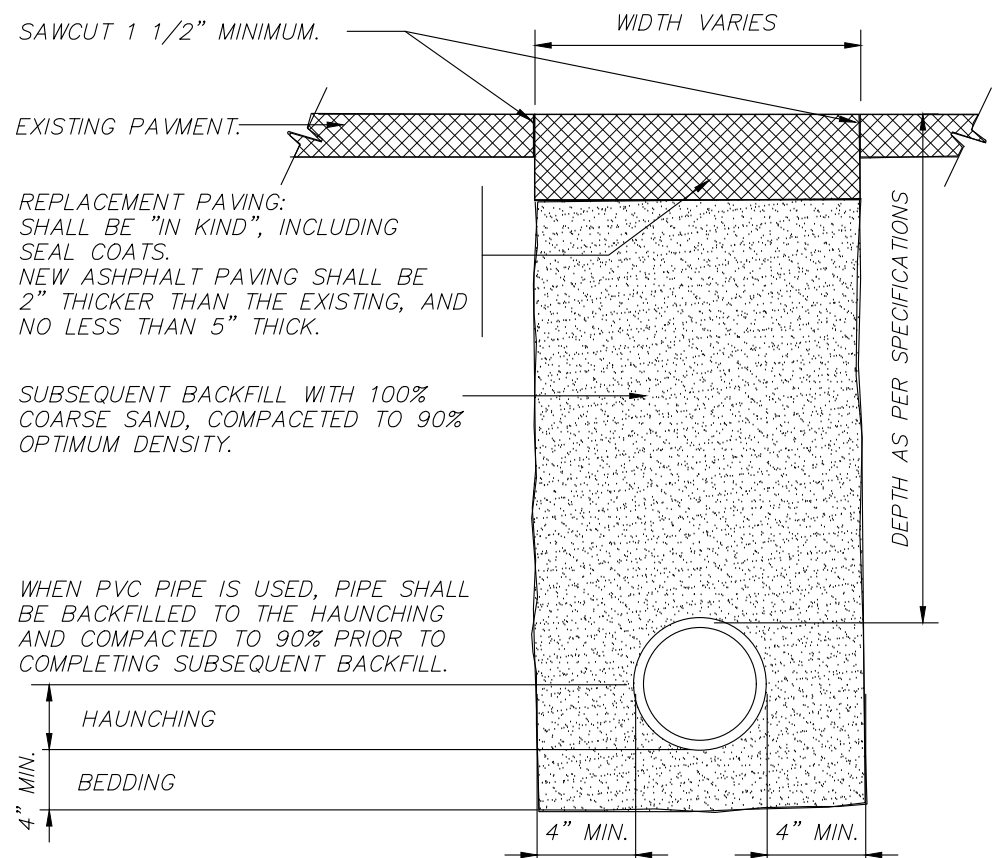


REMOTE CONTROL VALVE
N.T.S.

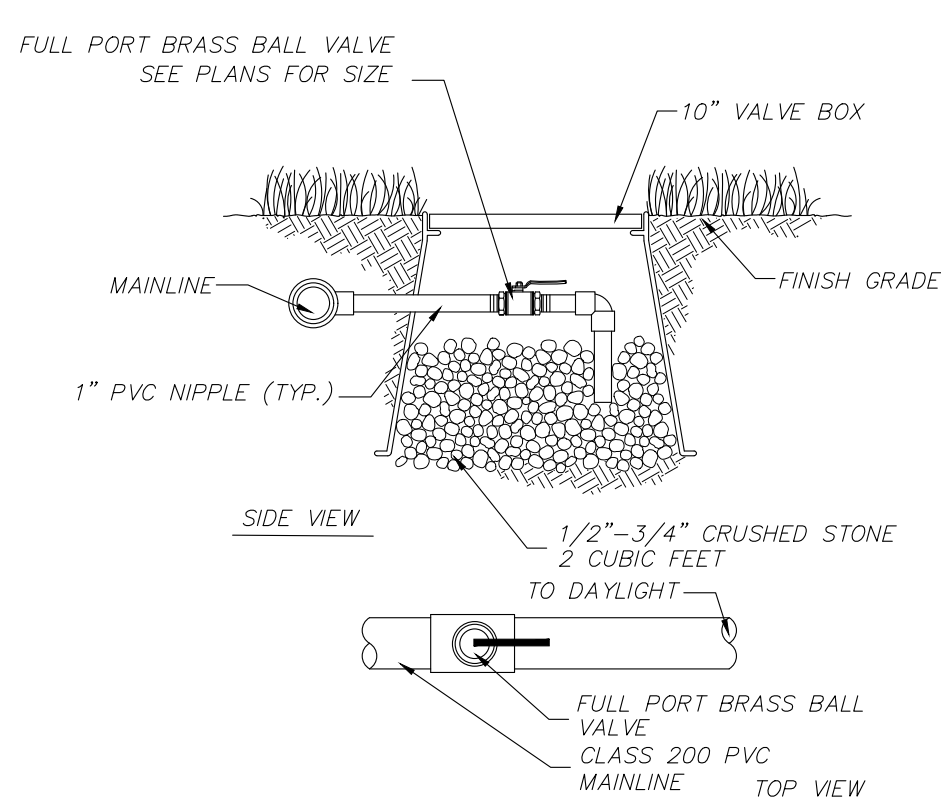


IRRIGATION SLEEVING DETAIL
N.T.S.

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE ARE OTHER ACTIVE UTILITIES AND SERVICES IN AND AROUND THE SITE. CONTRACTOR IS RESPONSIBLE FOR LOCATING THESE TO AVOID DAMAGE TO THEM.
2. THE CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ON-SITE UTILITIES, STRUCTURES, OR PAVING RESULTING FROM IRRIGATION CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL CODES AND ORDINANCES RELEVANT TO THE WORK UNDER THIS CONTRACT.
5. ALL WORK, ADJUSTMENTS, AND INSPECTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, ENGINEER, AND/OR OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE, AS REQUIRED, THE TOTAL LANDSCAPING/IRRIGATION WORK IN THE PLANS, AND ALSO PER INSTRUCTIONS OF THE LANDSCAPE ARCHITECT, ENGINEER AND/OR OWNER.
7. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES TO ASSURE ADEQUATE INSTALLATION OF THE SYSTEM.
8. THE LOCATION OF THE AUTOMATIC CONTROL CLOCK IS GENERALLY LOCATED BY THE MANAGER'S OFFICE OF THE BUILDING AND WILL BE SPECIFICALLY LOCATED BY THE ARCHITECT.
9. IF LINE LOCATIONS ARE INDICATED ON THE PLAN, THEY ARE SCHEMATIC. THE CONTRACTOR SHALL LOCATE ALL LINES IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PROPOSED PLANT MATERIALS (AS SHOWN ON THE LANDSCAPE PLANTING PLAN) AND OTHER SITE AMENITIES.
10. ALL MAIN LINES SHALL BE INSTALLED A MAXIMUM OF 2' FROM THE BACK OF CURBS WHERE POSSIBLE. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE.
11. ALL MAINLINES SHALL BE INSTALLED AT A MINIMUM OF 18" DEEP AND ALL LATERAL LINES SHALL BE INSTALLED AT A MINIMUM OF 12" DEEP.
12. CURB BED PLACEMENT IN PARKING LOT ISLANDS IS TO BE 18" FROM BACK OF CURB FOR SHRUB PLANTINGS AND 6" FROM BACK OF CURB FOR LAWN.
13. THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE OVERTHROW AND TO ELIMINATE "DRY SPOTS".
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS" OR SLIGHT VARIATIONS FROM THE PLAN TO THE SITE. THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, ENGINEER, AND/OR OWNER.
15. THE ELECTRIC SUPPLY WILL BE STUBBED OUT AT THE CONTROL CLOCK LOCATION BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM CONTROL VALVES TO THE CONTROL CLOCK.
16. THE ENTIRE SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED BY THE IRRIGATION CONTRACTOR AGAINST ALL DEFECTIVE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE.

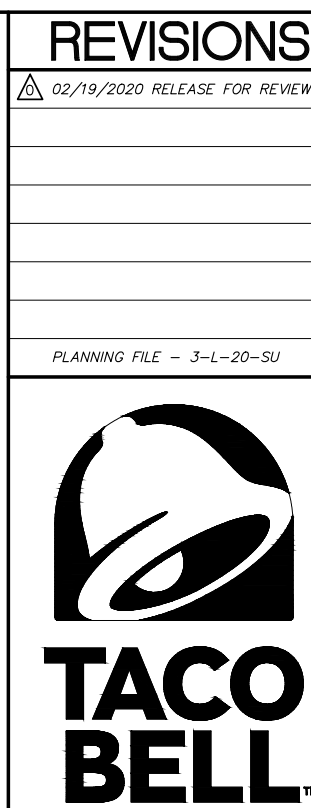


TRENCH DETAIL AT ASPHALT PAVING
N.T.S.



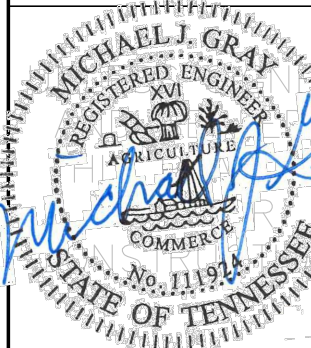
MANUAL DRAIN VALVE
N.T.S.

1. THE LOCATIONS OF SLEEVES, IF SHOWN ON THIS PLAN, ARE SCHEMATIC; THE CONTRACTOR SHALL MAKE ANY ADJUSTMENT NECESSARY TO ACCOMMODATE EXISTING VEGETATION, UTILITIES, LANDSCAPE BARRIERS OR OTHER MAJOR CONSTRUCTION.
2. ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. WHERE A JOINT BETWEEN PIPE SECTIONS IS NECESSARY, THE INSIDE DIAMETER OF THE PIPE SHALL NOT BE SIGNIFICANTLY REDUCED.
4. P.V.C. SLEEVES SHALL BE INSTALLED AT A DEPTH OF AT LEAST 18" BELOW PAVEMENT SURFACE, AND NO DEEPER THAN 24". END OF SLEEVE SHALL EXTEND 12" BEYOND CURB OR PAVEMENT EDGE.
5. BACKFILL MATERIAL PLACED AROUND THE SLEEVES SHALL BE FREE OF ROCKS OR OTHER FOREIGN MATTER THAT MAY CAUSE DAMAGE TO THE PIPE.
6. THE CONTRACTOR SHALL INSTALL A P.V.C. STUB THAT IS AT LEAST 18" ABOVE GRADE AND END OF EACH SLEEVE TO MARK ITS EXACT LOCATION. IRRIGATION SLEEVES SHALL BE INDICATED WITH BLUE RIBBON. ELECTRICAL SLEEVES SHALL BE INDICATED WITH ORANGE RIBBON. SEE SLEEVING DETAIL.
7. ONCE THE SLEEVE IS INSTALLED, THE CONTRACTOR SHALL INSTALL A TEMPORARY CAP ON EACH END OF THE PIPE ACCORDING TO THE DETAIL TO PREVENT SOIL OR OTHER DEBRIS FROM ENTERING THE PIPE.
8. ALL MODIFICATIONS OF THIS PLAN ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, ENGINEER AND/OR OWNER.
9. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH AN "AS-BUILT" PLAN OF THE LOCATION OF ALL SLEEVES PRIOR TO ACCEPTANCE OF WORK.
10. ALL SLEEVES SHALL BE CLASS 200 P.V.C. PIPE.
11. SLEEVES ARE 4" UNLESS OTHERWISE NOTED ON THE PLAN.



TACO BELL RESTAURANT
2085 NORTH BROADWAY KNOXVILLE, TN 37917
SITE #283291

TAC★LA
3750 CORPORATE WOODS DRIVE
VESTAVIA HILLS, AL 35242
205.443.9600
WWW.TACALA.COM



JOB NO.: 18020
DWG NAME: 18020 PROJ

IRRIGATION DETAILS

SHEET:
C16

DATE: 2/24/20

