



### RECORD DRAWINGS

THIS SET OF RECORD DOCUMENTS HAVE BEEN MARKED UP TO SHOW THE REPORTED LOCASTION OF THE WORK AND SIGNIFCANT CHANGES MADE DURING THE CONSTRUCTION PROCESS. BECAUSE THESE DOCUMENTS ARE BASED ON UNVERIFIED INFORMATION PROVIDED BY OTHERS PARTIES WHICH WILL BE ASSUMED RELIABLE, STANTEC CANNOT AND DOES NOT WARRANT THEIR ACCURACY.

DATE: SEPTEMBER 2019

# TOWN OF ADDISON

JOE CHOW MAYOR

IVAN HOUGHES

TOM BRAUN AL ANGELL LORI WARD PAUL WALDEN WES PIERSON CITY MANAGER

LISA PYLES

DIRECTOR OF INFRASTRUCTURE

AND DEVELOPMENT SERVICES

JASON SHROYER ASSISTANT DIRECTOR INFRASTRUCTURE AND DEVELOPMENT SERVICES

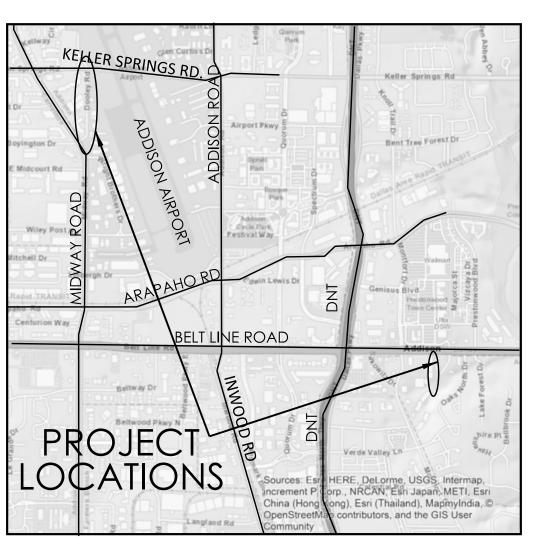
COUNCIL MEMBERS MAYOR PRO TEM

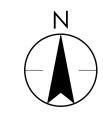
ADDISON CIP PHASE I IMPROVEMENTS 2017 DOOLEY ROAD & PRESTONWOOD SHOPPING CENTER WATERLINE IMPROVEMENTS TOWN OF ADDISON DALLAS COUNTY, TEXAS MARCH 2018

PROJECT NUMBER: 224720002, ADDISON CIP #

TOWN OF ADDISON ADDISON, TEXAS 75001 PH: (972) 456-2849 CONTACT: JASON SHROYER

STANTEC CONSULTING SERVICES INC. 10000 N. CENTRAL EXPWY. STE. 1140 DALLAS, TEXAS 75231 PH: (214) 346-4314 CONTACT: JACOB NIEMEIER, P.E. EMAIL: JACOB.NIEMEIER@STANTEC.COM STANTEC CONSULTING SERVICES INC. 12222 MERIT DRIVE, SUITE 400 DALLAS, TEXAS 75251 CONTACT: DAVE De WEIRDT, R.P.L.S. EMAIL:DAVID.DEWEIRDT@ STANTEC.COM TBPLS # F-10194229

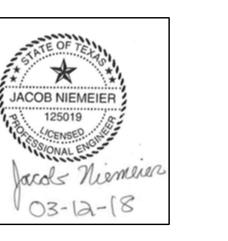




VICINITY MAP

## 100% PROJECT SUBMITTAL DRAWING INDEX

- 1. Cover
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- 4. Prestonwood Plan & Profile
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- 8. Prestonwood Construction Phasing Plan
- 9. Dooley Road Paving Repair Plan
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- 18. Traffic Control Typical Installations
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### PROJECT SPECIFIC NOTES

- Contractor shall notify THE TOWN OF ADDISON Project Manager at least 14 working days before commencing the work so that proper job inspection can be scheduled. The Contractor shall notify the inspectors at least 48 hours before construction begins.
- 2. The contractor shall furnish the owner with at least two phone numbers where responsible personnel can be reached in case of emergency during working and non-working hours. If there are any changes, the information must be updated immediately over the duration
- 3. Construction staging areas shown on the plans are identified as available sites. The contractor may propose alternative site subject to approval by the engineer. The contractor must have a written agreement with the property owner with a copy on file with the Town of Addison before using or placing any materials or equipment on private property.In addition,the Contractor shall provide a copy of the Right of Entry Notification as required by the property owner per Town of Addison. When the contractor elects to place excess fill on private property on a permanent basis. Letters Of final approval and release from the affected property owner(s) must be submitted to the Town of Addison before final payment will be authorized on this project.
- 4. No excess excavated materials shall be stored on low areas or along any natural drainage way without written permission of the engineer. If contractor places excess excavated material in areas not approved by the engineer, contractor shall remove said materials and restore the condition of the site to equal or better than original conditions. Cost of the removal of materials and restoration of the site shall be at the contractor's sole expense.
- 5. The contractor shall provide a trench safety plan per the Public Works Construction Standards North Central Texas, NCTCOG, November 2017 specifications, Item (107.19.3.3) 'Trench Safety'. This document shall be submitted to the engineer at the Pre-construction Conference or prior to the start of construction.
- 6. The contractor may submit a pumping plan to the engineer for review and approval. The plan may be approved by the engineer at his discretion. No additional payment shall be allowed for alternative bypass pumping system developed by the contractor.
- 7. All waste materials (including excess excavated soils) not used as part of the work shall be removed from the site and disposed of offsite in accordance with applicable local, state and federal regulations. No separate pay item.
- 8. The contractor shall provide THE TOWN OF ADDISON with written permissions and hold harmless letters from the property owners where disposal material will be placed.
- 9. If cultural resources are located during the construction (Archaeological findings are unearthed), contractor shall stop work in that area and notify the owner immediately.
- 10. Contractor agrees to be fully responsible for any and all damages which might be occasioned by contractor's failure to identify, locate and protect all existing underground utilities. No separate payment. If there is any discrepancy between the plans and the actual field conditions, then the contractor shall notify the owner and/or engineer before proceeding with any work and before ordering any materials affected by the discrepancy. Owner will not pay for materials or extra work resulting from contractor's failure to field verify the location of all existing utilities and to communicate conflicts to the owner or engineer.
- II. If the project site is subject to flooding or standing water. Contractor shall plan this work for dry weather periods and provide dewatering and other wet weather provisions as incidental work. Pumping for dewatering work areas shall not be a separate pay item unless indicated.
- 12. The staging area and storage of construction equipment will be coordinated by the contractor. The permanent storage of material within a floodway is prohibited. Coordination with flood control and engineer is needed for maintaining any additional staging areas other than those shown on the plans. Contractor is responsible for restoring staging areas to pre-construction condition upon project completion. No extra pay item.
- 13. No excavation pits or otherwise shall remain open over night. All excavation trenches and shaft openings shall be covered with a steel plate secured in place. The construction site shall be secured at the end of the day to prevent any unauthorized entry. Measures to secure the site may include but not limited to chain-link fencing and barricades, as needed.
- 14. All construction shall comply with all applicable city, state and federal codes and standards.
- 15. The contractor shall secure all necessary permits before any work may begin. All permit fees shall be considered incidental. Copies of all permits shall be submitted to the engineer. One copy shall be kept on site at all times.
- 16. The contractor's method of and sequence of construction shall be approved in advance by the
- 17. The contractor shall contact the engineer should any discrepancies be found in the construction ns anazor the special provisions, i he contractor will not be compensated for any work not authorized
- 18. The contractor shall coordinate construction activities with other contractors working in the area to make sure conflicts are avoided.
- 19. Stockpiles, and storage tanks, must be located over an area large enough where they will not interfere with peripheral drainage around the excavation and will not overload the slopes of any excavations. Prior to construction, the contractor must submit plans for the stockpiling materials located a distance equal to the excavation depth or less from the edge of any excavation to the engineer for approval.Contractor shall install storm water pollution prevention plan (SWPPP) best management practice around stockpiles to prevent runoff of materials. The contractor shall not stockpile materials above town of Addison mains.
- 20. The contractor shall properly protect nearby water and wastewater mains from heavy equipment traffic.
- 21. Construction of any haul road is at the contractor's expense and subject to approval

by the engineer.

- 22. Throughout construction, the contractor shall restore all surfaces used for haul roads and work platforms to pre-construction condition. All materials used to construct haul roads and work platforms shall be considered incidental. Such restoration shall be at the contractor's expense and shall include re-grading , seeding, sodding, repairs to landscaping, repairs to existing facilities and any other work required to bring these areas back to the pre-construction condition. All disturbed areas not protected by riprap or concrete paving shall be seeded by sodding unless directed otherwise by engineer.
- 23. The contractor shall be responsible for any damage to the public or private streets by his operations. The contractor shall at all times during construction continuously keep public and private streets clear of fill material and debris which may accumulate as a result of contractor operations.
- 24. The contractor shall have an on-site spill response kit. Construction personnel shall be trained on how to use the spill response kit. The construction shall meet all requirements of the Town of Addison Environmental Policy. No spills will be allowed to enter the storm system.
- 25. Contractor shall take measures to control and prevent unnecessary dust. Each surface, subject to dusting shall be kept moist with water or by application of chemical dust suppressant approved by the engineer. Dusty materials in the field or in transit shall be covered to prevent blowing. No separate pay item.
- 26. The contractor is responsible for protection of all existing facilities in and around the project area. These include trees, plantings, concrete paving, signs, markers and other facilities found on site. The contractor shall repair or replace at no cost to the Town of Addison any facilities damaged during construction.
- 27. The contractor shall be responsible for repairing to pre-construction conditions any damage outside of the designated work area,caused by the contractor, with new quality material at the contractor's

### PROJECT SPECIFIC NOTES (CONT)

- 28. All fences, signs and property corner monuments removed for or damaged during construction shall be removed and reset or replaced with new materials to the satisfaction of the engineer. No separate pay item.
- 29. The contractor shall be responsible for laying out the work and verifying all measurements and grades prior to beginning construction. All control points required for construction shall be established prior to destroying existing monuments/nails /cross cuts,etc.
- 30. Contractor shall exercise extreme caution when removing and resetting traffic control signs, any traffic control signs damaged by construction shall be replaced at the contractor's expense. All replacement traffic control signs shall be fabricated and installed by the Town of Addison Infrastructure Services.
- 31. The contractor is responsible for keeping streets and sidewalks adjacent to the project free of mud and debris resulting from construction activities over the full duration of the project. Construction activity is subject to issuance of a stop work notice by the Town Construction Inspection staff should mud and debris not be kept within project limits.
- 32. If irrigation systems are damaged or removed for the purpose of construction, the contractor shall ensure alternative scheme to maintain plants. Frequency of watering shall be as determined by owner's personnel.
- 33. Due to proximity of the Dooley Road project site to nearby Addison Airport. The Airport Tower must be notified prior to commencing construction, and especially if crane and other tall construction equipment are planned to be used.

### GENERAL

- All work shall be done in accordance with the compiled project specific specifications book.
- Reference to standard drawings shall mean those shown in the Town of Addison Standard Construction Details for Water Edition June 2017.
- 3. All items of work required to complete the work as shown or implied by the plans and as specified in the contract documents which are not listed as a pay item in the proposal shall be considered subsidiary.
- 4. The location, elevations and dimensions of existing utilities shown on the plans as obtained from The Town of Addison and utility company records, are considered approximate. The Engineer does not certify that all utilities are shown.
- The Contractor shall verify exact locations, sizes and depths of existing utilities before beginning construction.NO SEPARATE PAY ITEMS.
- The Contractor shall contact Texas Excavation Safety System (800-DIG-TESS: 800-344-8377) and relevant utility companies 48 hours prior to locating existing utilities and/or construction activities.
- 7. The Contractor shall preserve and protect all existing utilities at all times during construction. Any damage to utilities resulting from the Contractor's operation shall be restored at contractor's expense.
- 8. The Contractor shall support telephone conduits, storm drains, water and wastewater mains when going under said utilities. NO SEPARATE PAY ITEM.
- 9. Power poles may have to be braced at the Contractor's expense. Constractor will contact appropriate franchise utility to coordinate any required temporary bracing prior to initiating construction activity.

### WATER MAIN AND APPURTENANCES

- I. All 6",8" and 12" water mains shall be PVC C900 (DR-18) water pipe, with Class B+ embedment, except as noted in the drawings, details, and specifications. Pipe for fire service or fire hydrant leads shall have a pressure class rating of 305 psi(DR-14).
- All water mains with no profiles shall have a minimum cover of four (4) feet below street grade in an improved street and five (5) feet of cover in an unimproved street or alley.
- Compact fittings are not authorized for this project. All ductile iron pipe, fittings and fire hydrant bases shall be poly-wrapped with 8 mil poly in accordance with the specifications and Town of Addison Water System
- All bends, tees fire hydrants and plugs are to be restrained type fittings and to be blocked with Class "B" Concrete as per Town of Addison Standard Drawings, in addition to restrained joints.
- If required by THE TOWN OF ADDISON Inspector, the Contractor shall install temporary water lines on both sides of the street until the new water main has been completed, tested, approved, and accepted by TOWN OF ADDISON.NO SEPARATE PAY ITEM.
- If no temporary mains are required by THE TOWN OF ADDISON Inspector, then the existing water mains are to be in service with the fire hydrants until the new water main has been tested, approved and accepted by TOWN OF ADDISON. NO SEPARATE PAY ITEM.
- The Contractor will ensure that fire hydrants are accessible to fire trucks at all times. NO SEPARATE PAY ITEM.
- The Contractor shall sequence his construction such that no more than one fire hydrant is out of service at any given time.
- All fire hydrants shall be installed as per TOWN OF ADDISON Standard Drawing #SD-W16. Existing fire hydrants on killed water lines are to be removed and delivered to TOWN OF ADDISON,
- Backfill made on break repairs to existing water mains may have been made with crushed rock. This could present a cave-in danger to a new ditch; therefore, precautions should be taken by the Contractor. NO SEPARATE PAY ITEM.
- Excavate & Remove all water valves on existing mains being killed.NO SEPARATE PAY ITEM.
- The Contractor shall coordinate all water main tie-ins with THE TOWN OF ADDISON Inspector.
- The Contractor shall verify the location and number of all existing active water services and construct new services up to the meter prior to killing existing main.
- Water services greater than 30 feet shall be a minimum of one (I) inch in diameter.

### REFERENCE BENCHMARKS:

TOWN OF ADDISON CONTROL POINT NO.COA-8 - 200 FEET SOUTHEAST FROM THE INTERSECTION OF KELLER SPRINGS ROAD & MIDWAY ROAD, THEN 75 FEET SOUTH OF 6-FOOT CHAINLINK FENCE, 106 FEET SOUTHWEST OF LIGHT POLE AND 26 FEET NORTH OF STREET SIGN. ELEVATION = 638.75'

### DOOLEY SITE BENCHMARKS:

- NO.1 CUT "X" ON TOP OF CONCRETE CURB LOCATED APPROXIMATELY 470-FEET NORTH FROM THE CENTERLINE INTERSECTION OF DOOLEY ROAD AND MIDWAY ROAD, APPROXIMATELY 20-FEET WEST FROM THE CENTERLINE OF DOOLEY ROAD.
- NO.2 CUT "X" ON CONCRETE SIDEWALK LOCATED APPROXIMATELY 810-FEET NORTH FROM THE INTERSECTION OF DOOLEY ROAD AND MIDWAY ROAD, APPROXIMATELY 30-FEET EAST FROM THE CENTERLINE OF DOOLEY ROAD. ELEVATION = 642.98' (AS SHOWN)

- NO.1 PK NAIL FOUND IN CONCRETE APPROXIMATELY 640-FEET EAST FROM THE CNETERLINE INTERSECTION OF MONTFORT DRIVE AND BELT LINE ROAD, ELEVATION = 594.48' (AS SHOWN)
- NO.2 CUT "X" SET IN CONCRETE SIDEWALK LOCATED APPROXIMATELY 620-FEET EAST FROM THE CENTERLINE INTERSECTION OF MONTFORT DRIVE AND BELT LINE ROAD, APPROXIMATELY 560-FEET SOUTH FROM THE CENTERLINE OF BELT LINE

#### COORDINATE CONVERSIONS:

GRID TO SURFACE SCALE FACTOR: 1.000136505631244

### EXISTING UTILITY LEGEND

ELECTRIC	BE1 BE1	ONCOR
O.H. UTILITY	OUOU	ONCOR
TELEPHONE	BT1 BT1	TELEPHONE ATT
FIBER OPTIC	FOC1 FOC1	ATT
FIBER OPTIC	F0C2 F0C2	FAA
CABLE TV		TWC / SPECTRUM
GAS	G1 G1	ATMOS
STORM WATER	STM1 (D) STM1 (D)	TOWN OF ADDISON
WATER	$-\!$	TOWN OF ADDISON
WASTEWATER	ww1 ww1	TOWN OF ADDISON
WASTEWATER		TOWN OF ADDISON

### GENERAL LEGEND

	$\odot$	Tree
XX	<del></del>	Remove Water Line
		Exist.Wastewater Cleanout
	$\bigotimes$	Water Meter
	⊠ GM	Gas Meter
	$\mathbb{Z}$	Exist.Water Valve
	T	Proposed Water Valve
-	—●	Proposed Fire Hydrant
$P_{\mathbf{I}}$		Inlet Protection
-SF-	SF	Silt Fence
[		Paving Repair
		R.O.W.

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Permit-Seal

JACOB NIEMEIER 125019 acols luemers 2018-02-1

Project Number: 224720002 JN 18.01.19 Dwn. Chkd. Dsgn. YY.MM.DD Drawing No. Revision Sheet

ORIGINAL SHEET - ANSI D

ELEVATION = 647.48' (AS SHOWN)

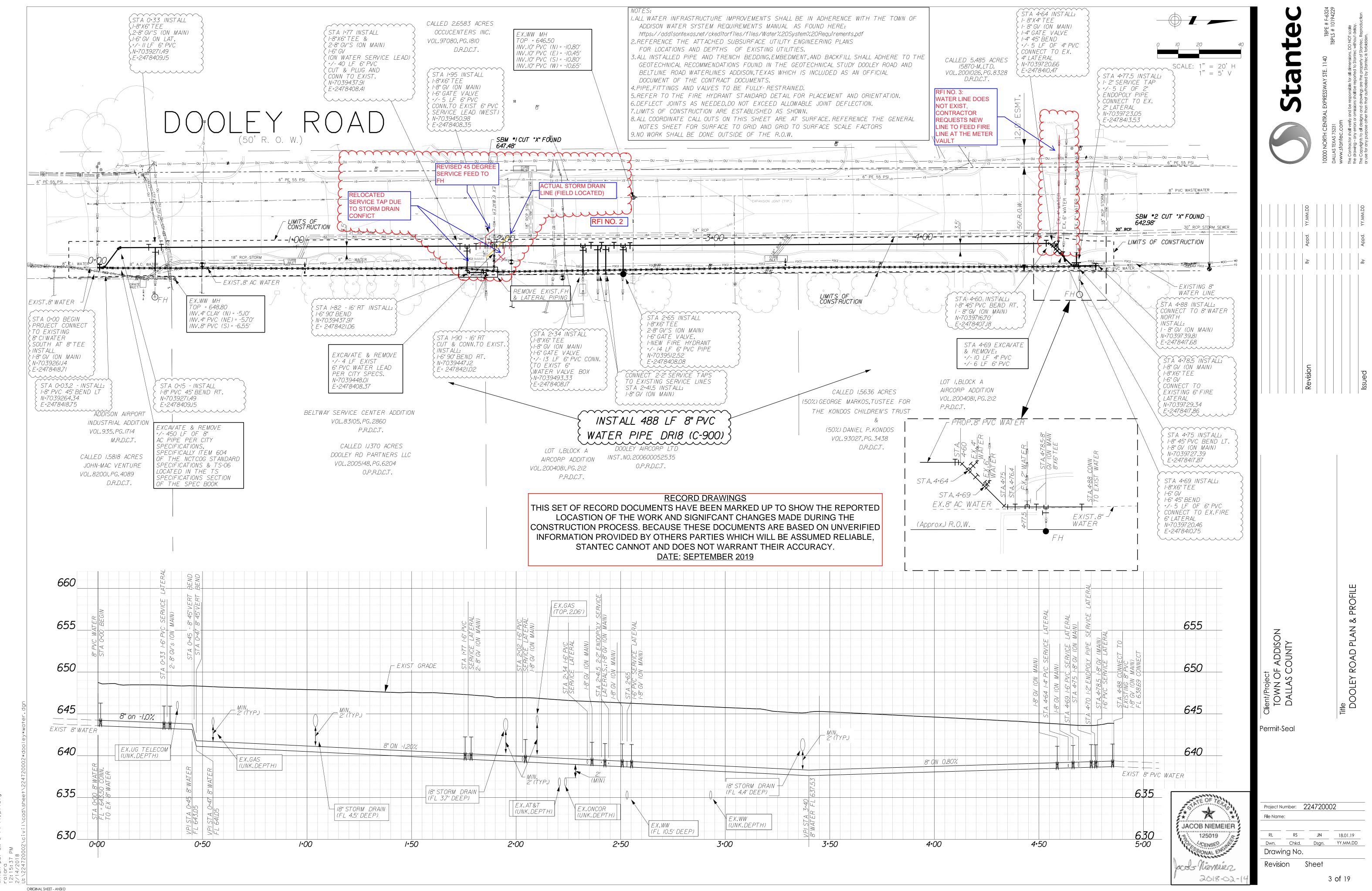
PRESTONWOOD SITE BENCHMARKS:

APPROXIMATELY 50-FEET SOUTH FROM THE CENTERLINE OF BELT LINE ROAD.

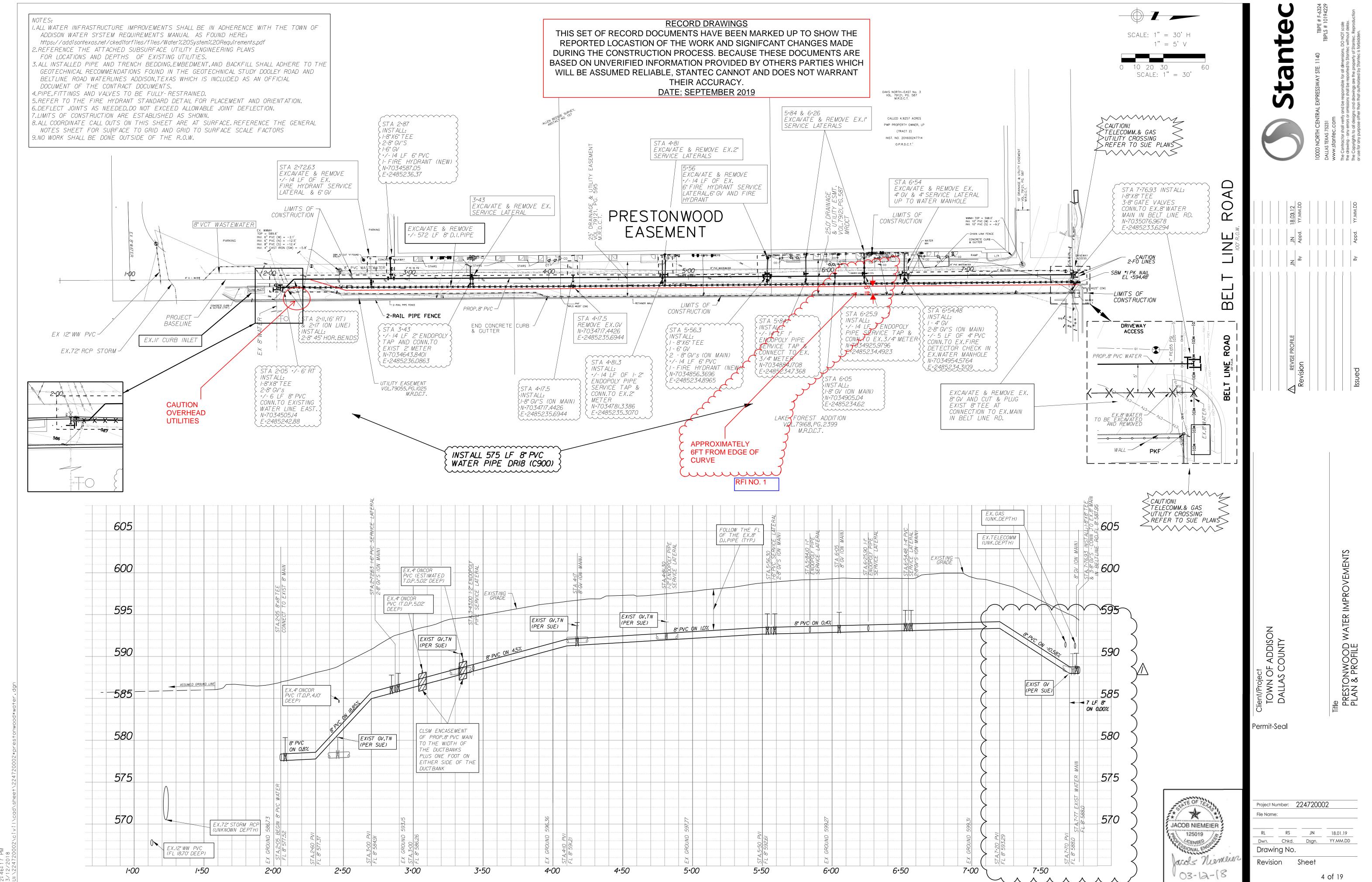
ROAD. ELEVATION = 591.97' (AS SHOWN)

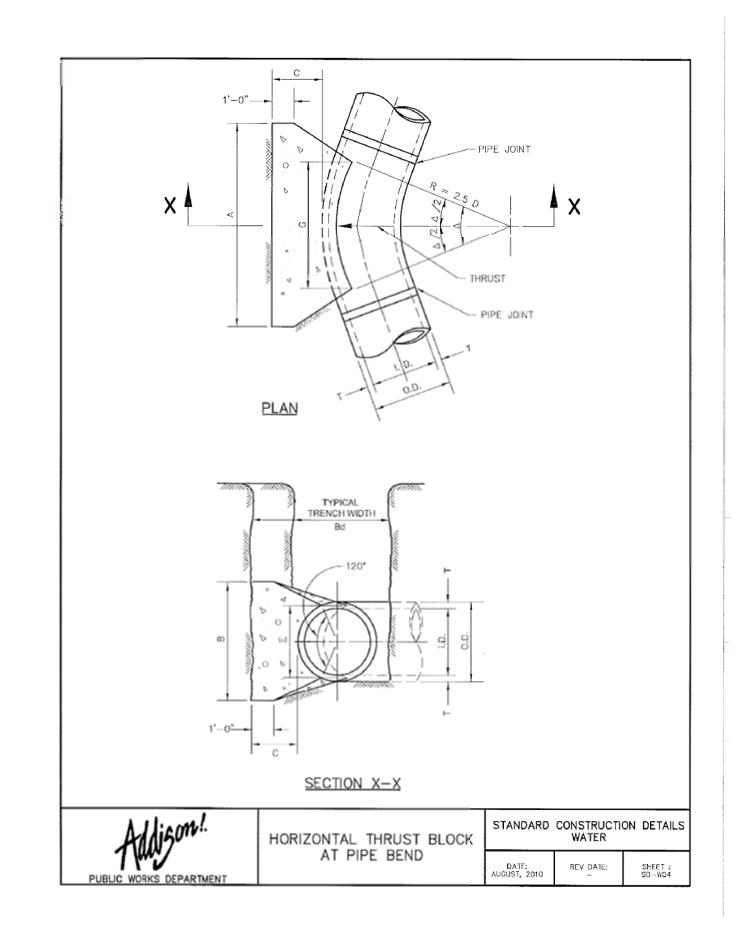
### SURFACE TO GRID SCALE FACTOR: 0,999863513

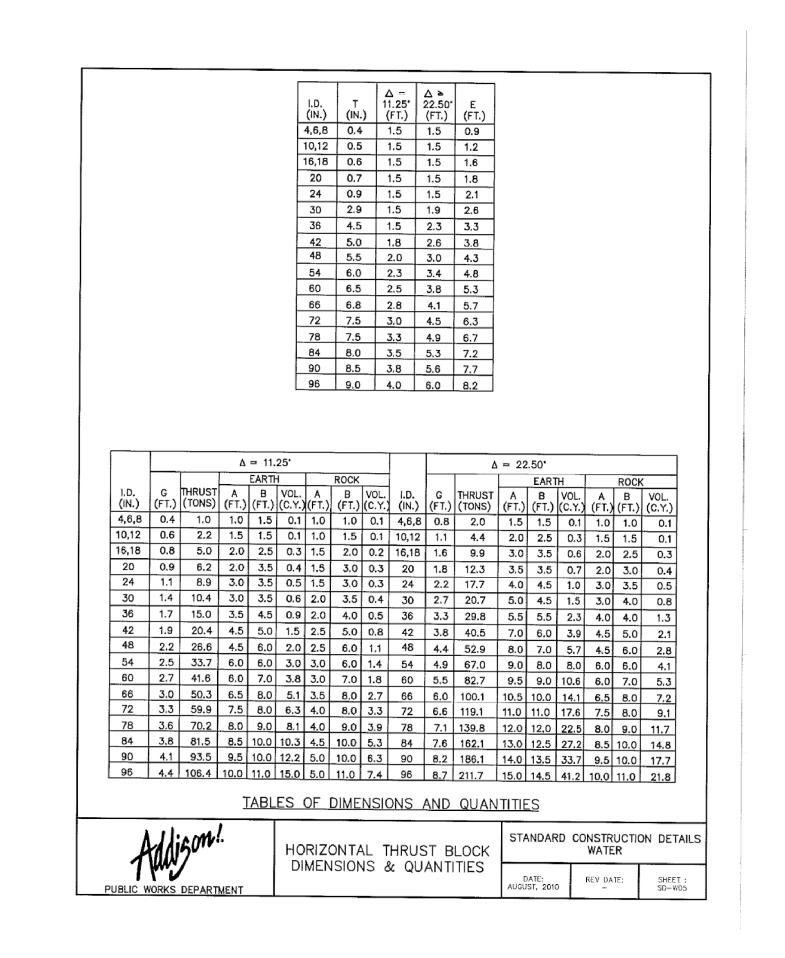
LIMITS OF CONSTRUCTION

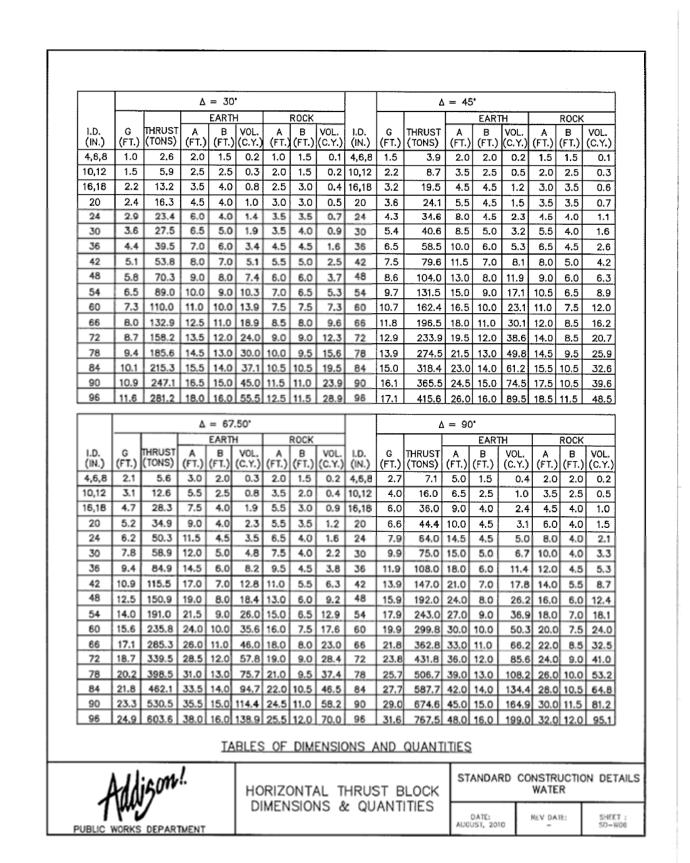


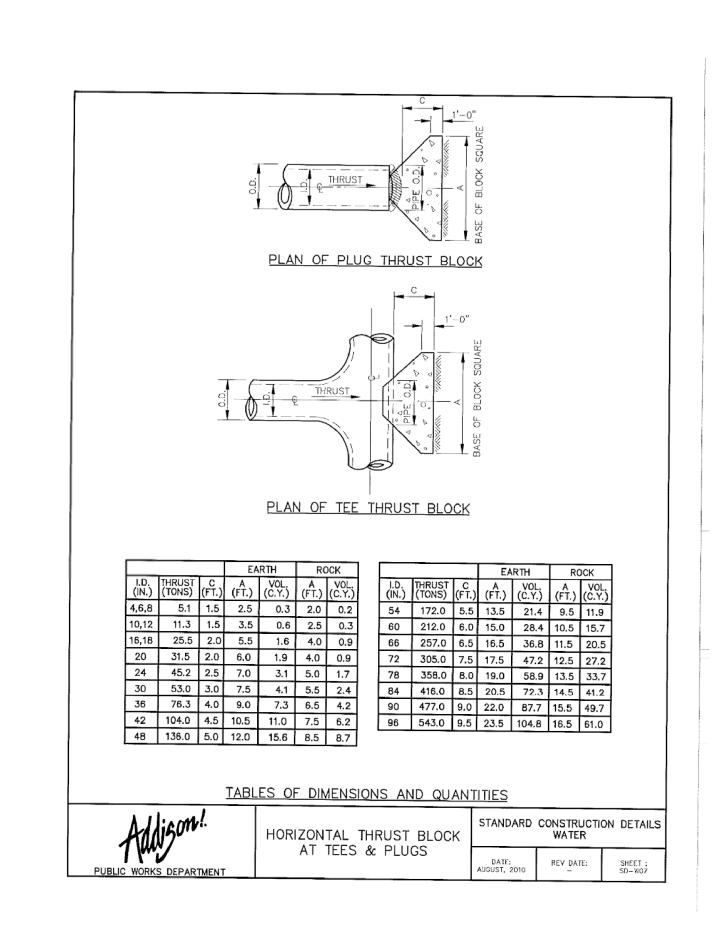
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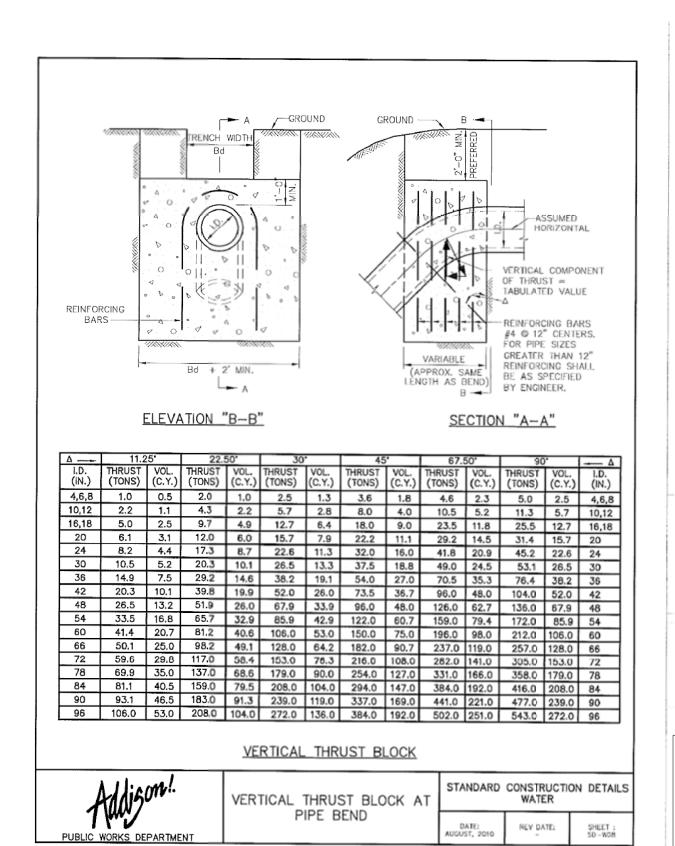


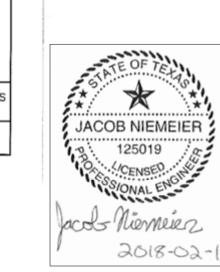












TOWN OF ADDISON DALLAS COUNTY, TEXAS Permit-Seal

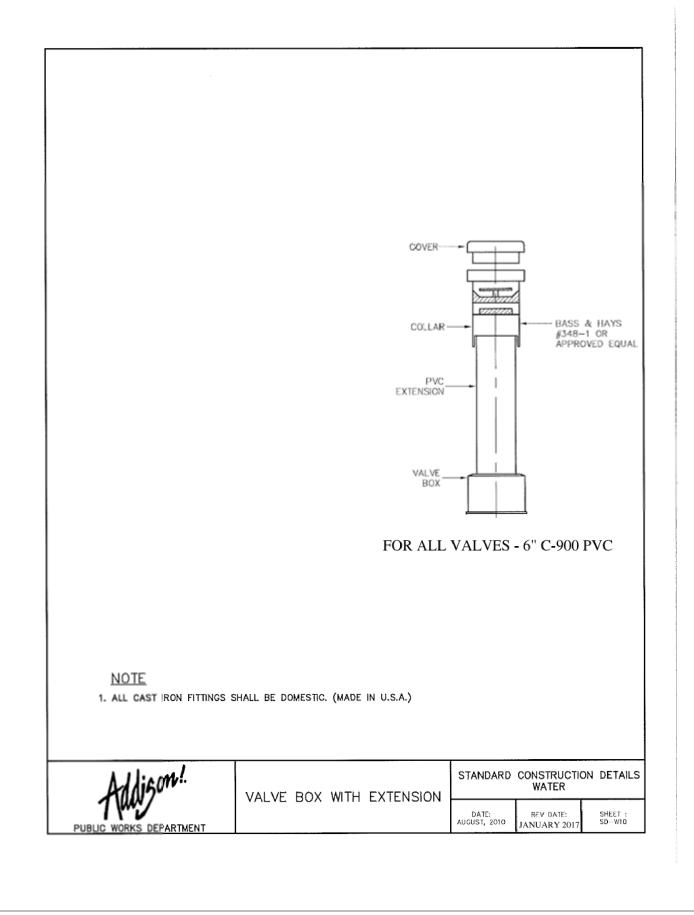
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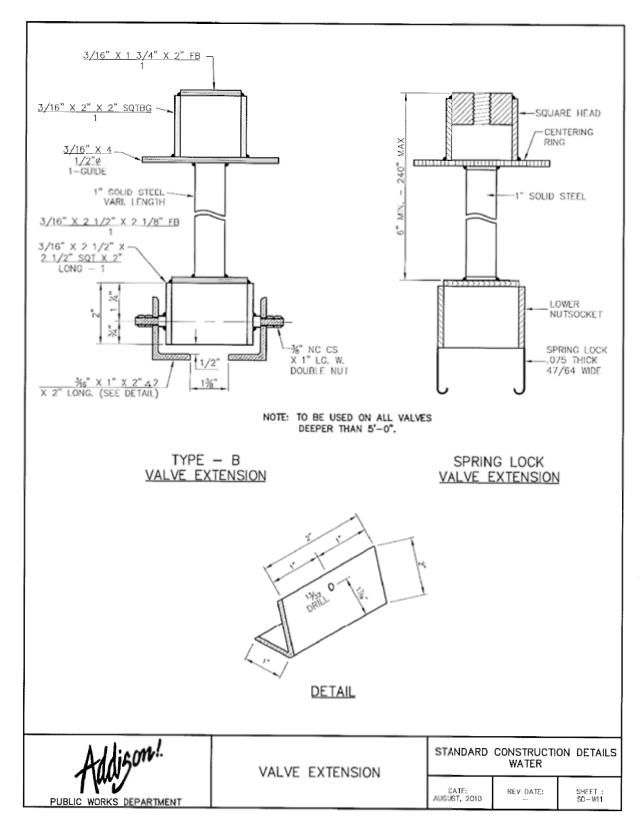
Drawing No.

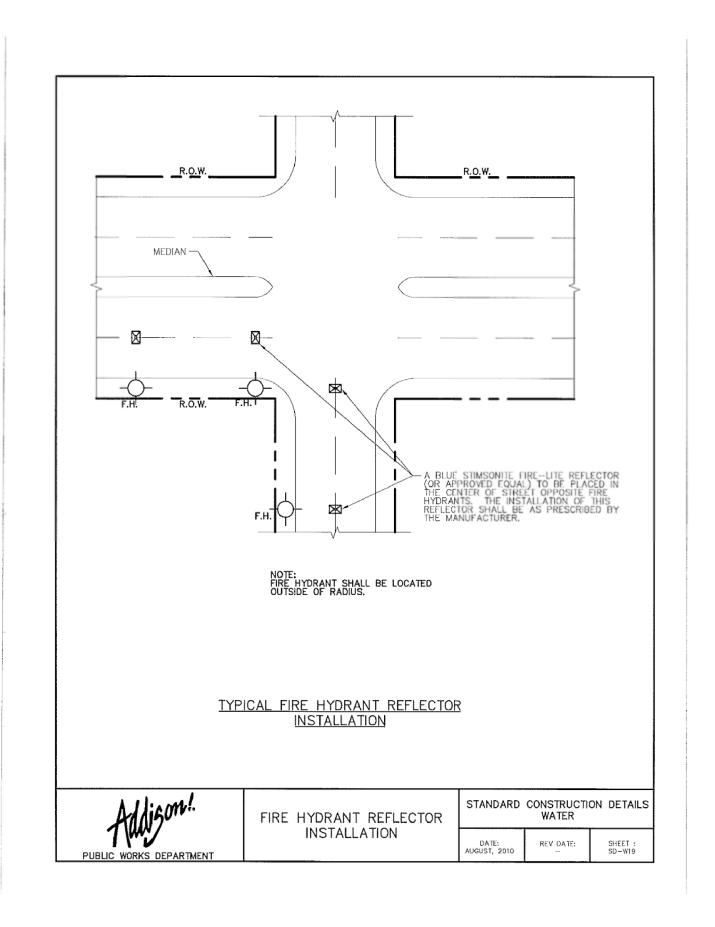
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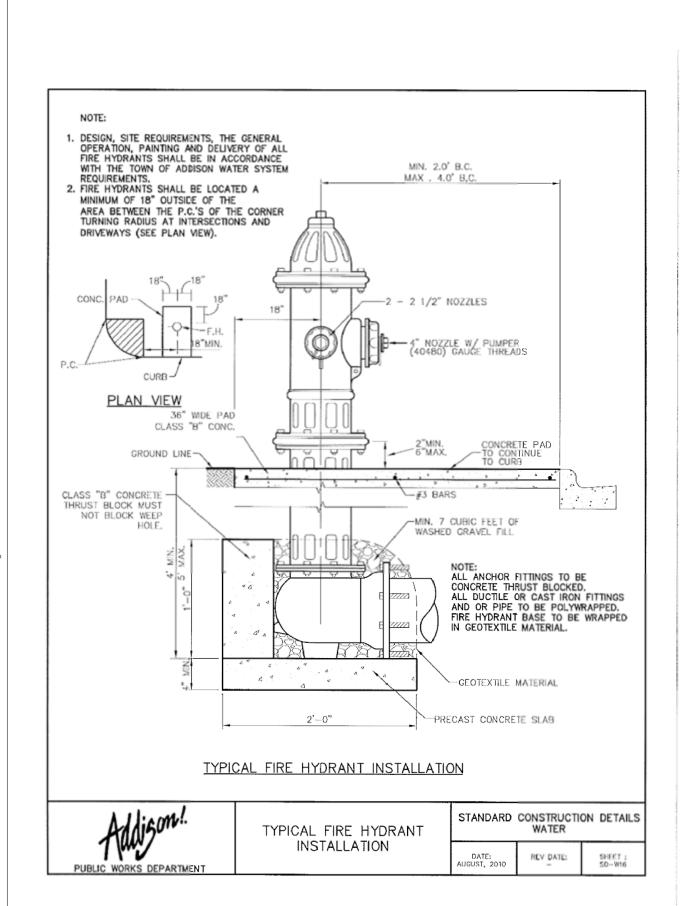
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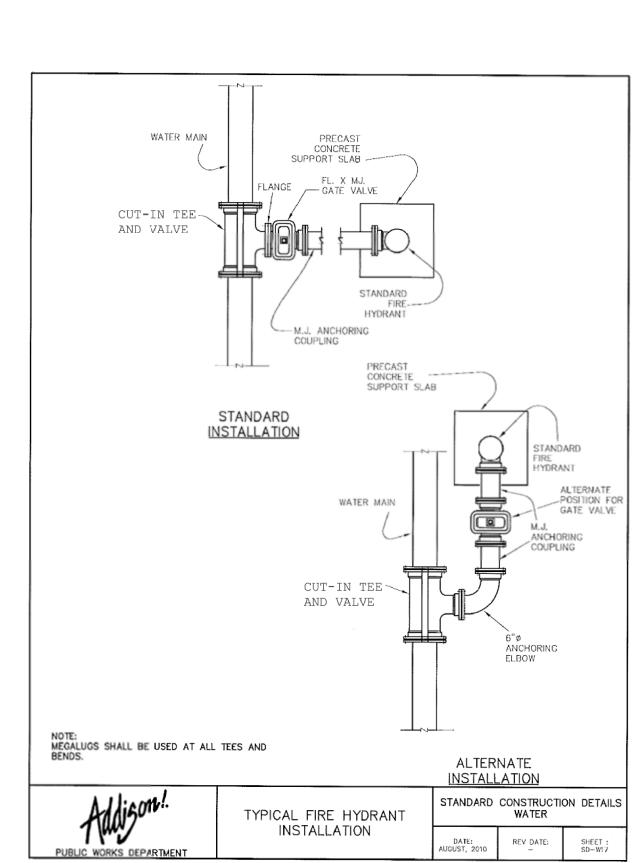
Revision Sheet

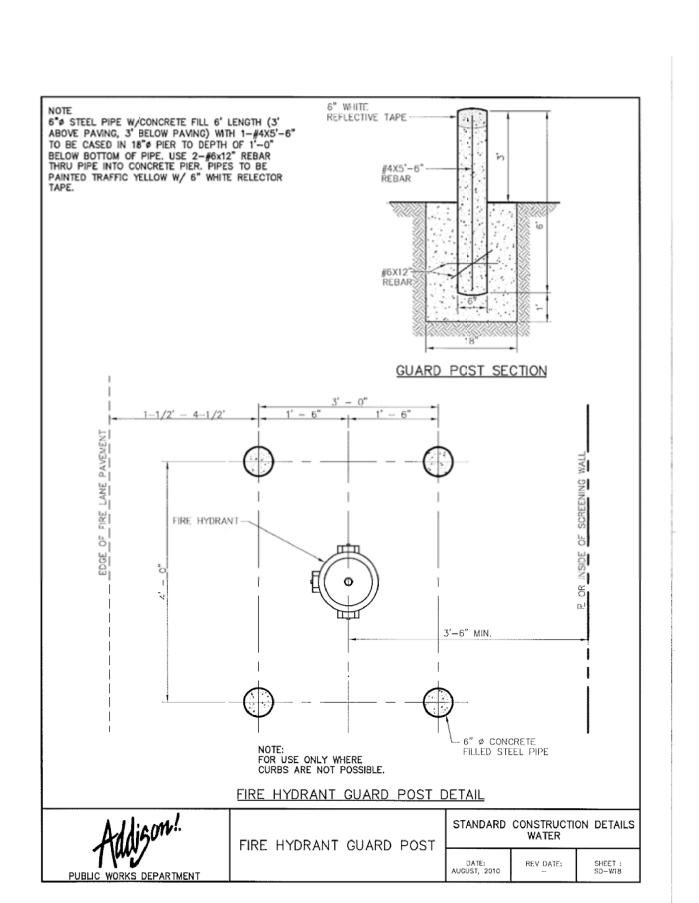










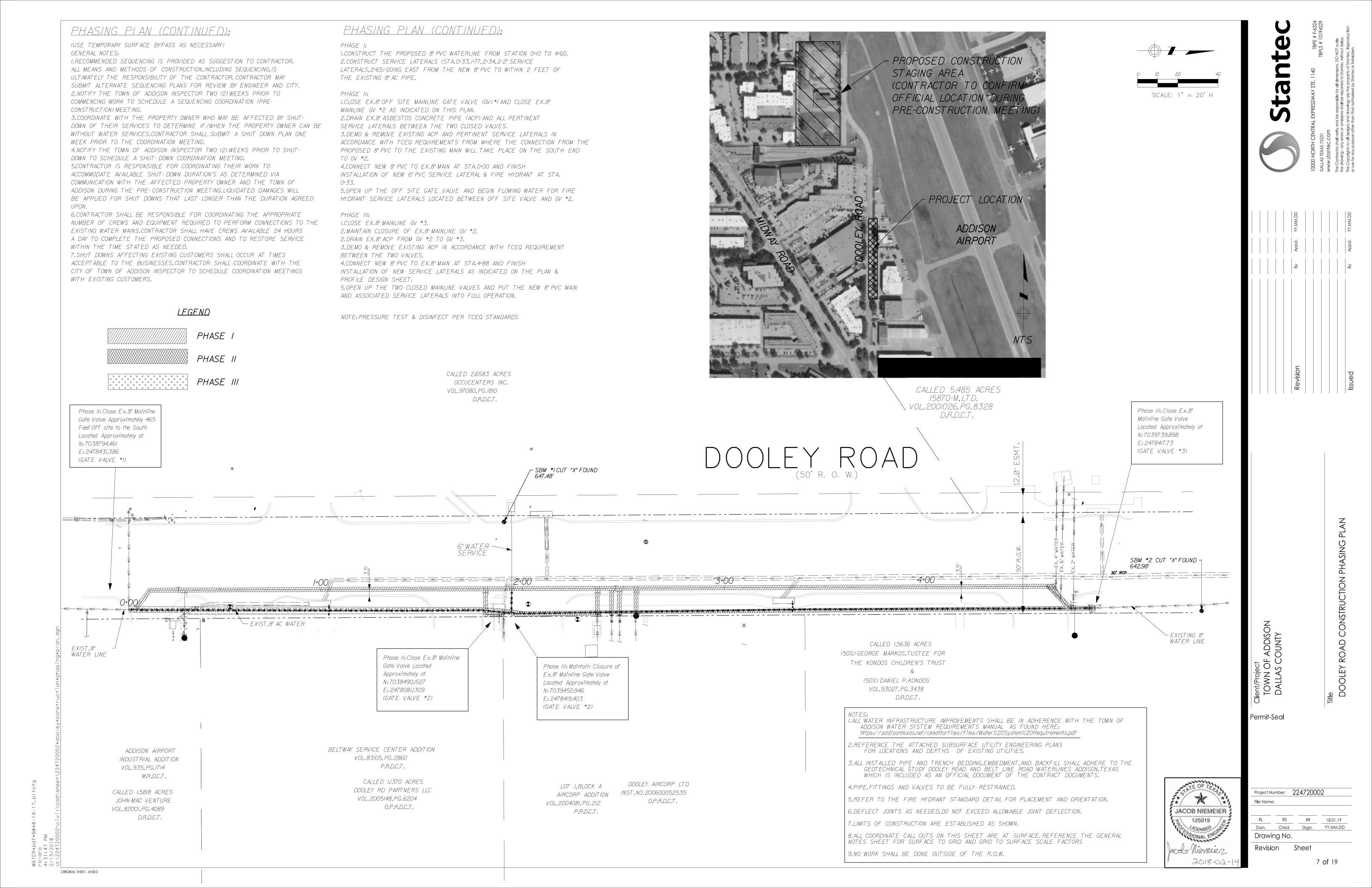




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GENERAL NOTES:

I.RECOMMENDED SEQUENCING IS PROVIDED AS SUGGESTION TO CONTRACTOR. ALL MEANS AND METHODS OF CONSTRUCTION, INCLUDING SEQUENCING, IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MAY SUBMIT ALTERNATE SEQUENCING PLANS FOR REVIEW BY ENGINEER AND CITY. 2.NOTIFY THE TOWN OF ADDISON INSPECTOR TWO (2)WEEKS PRIOR TO COMMENCING WORK TO SCHEDULE A SEQUENCING COORDINATION (PRE-CONSTRUCTION) MEETING.

3.COORDINATE WITH THE PROPERTY OWNER WHO MAY BE AFFECTED BY SHUT-DOWN OF THEIR SERVICES TO DETERMINE IF/WHEN THE PROPERTY OWNER CAN BE WITHOUT WATER SERVICES.CONTRACTOR SHALL SUBMIT A SHUT DOWN PLAN ONE WEEK PRIOR TO THE COORDINATION MEETING.

4.NOTIFY THE TOWN OF ADDISON INSPECTOR TWO (2) WEEKS PRIOR TO SHUT-DOWN TO SCHEDULE A SHUT-DOWN COORDINATION MEETING.

5.CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK TO ACCOMMODATE AVAILABLE SHUT-DOWN DURATION'S AS DETERMINED VIA COMMUNICATION WITH THE AFFECTED PROPERTY OWNER AND THE TOWN OF ADDISON DURING THE PRE-CONSTRUCTION MEETING.LIQUIDATED DAMAGES WILL BE APPLIED FOR SHUT DOWNS THAT LAST LONGER THAN THE DURATION AGREED UPON.

6.CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE APPROPRIATE NUMBER OF CREWS AND EQUIPMENT REQUIRED TO PERFORM CONNECTIONS TO THE EXISTING WATER MAINS.CONTRACTOR SHALL HAVE CREWS AVAILABLE 24 HOURS A DAY TO COMPLETE THE PROPOSED CONNECTIONS AND TO RESTORE SERVICE WITHIN THE TIME STATED AS NEEDED.

7.SHUT DOWNS AFFECTING EXISTING CUSTOMERS SHALL OCCUR AT TIMES ACCEPTABLE TO THE BUSINESSES.CONTRACTOR SHALL COORDINATE WITH THE CITY OF TOWN OF ADDISON INSPECTOR TO SCHEDULE COORDINATION MEETINGS WITH EXISTING CUSTOMERS.

= PHASE I

= PHASE II

- PHASE III

<u>LEGEND</u>

LATERALS, 2.65) GOING EAST FROM THE NEW 8" PVC TO WITHIN 2 FEET OF THE EXISTING 8" AC PIPE.

2.CONSTRUCT SERVICE LATERALS (STA.0+33,1+77,2+34,2-2" SERVICE

I.CONSTRUCT THE PROPOSED 8" PVC WATERLINE FROM STATION 0+10 TO 4+60.

PHASING PLAN (CONTINUED):

#### PHASE II:

PHASE I:

I.CLOSE EX.8" OFF SITE MAINLINE GATE VALVE (GV) \*I AND CLOSE EX.8" MAINLINE GV #2 AS INDICATED ON THIS PLAN. 2.DRAIN EX.8" ASBESTOS CONCRETE PIPE (ACP) AND ALL PERTINENT SERVICE LATERALS BETWEEN THE TWO CLOSED VALVES. 3.DEMO & REMOVE EXISTING ACP AND PERTINENT SERVICE LATERALS IN ACCORDANCE WITH TCEQ REQUIREMENTS FROM WHERE THE CONNECTION FROM THE

PROPOSED 8" PVC TO THE EXISTING MAIN WILL TAKE PLACE ON THE SOUTH END

4.CONNECT NEW 8" PVC TO EX.8" MAIN AT STA.0+00 AND FINISH INSTALLATION OF NEW 6" PVC SERVICE LATERAL & FIRE HYDRANT AT STA.

5.OPEN UP THE OFF SITE GATE VALVE AND BEGIN FLOWING WATER FOR FIRE HYDRANT SERVICE LATERALS LOCATED BETWEEN OFF SITE VALVE AND GV #2.

#### PHASE III:

I.CLOSE EX.8" MAINLINE GV #3.

2.MAINTAIN CLOSURE OF EX.8" MAINLINE GV #2.

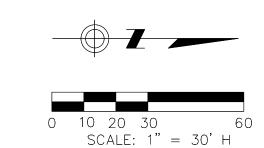
2.DRAIN EX.8" ACP FROM GV #2 TO GV #3. 3.DEMO & REMOVE EXISTING ACP IN ACCORDANCE WITH TCEQ REQUIREMENT

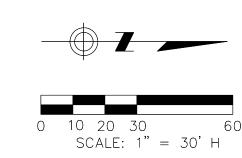
BETWEEN THE TWO VALVES. 4.CONNECT NEW 8" PVC TO EX.8" MAIN AT STA.4+88 AND FINISH

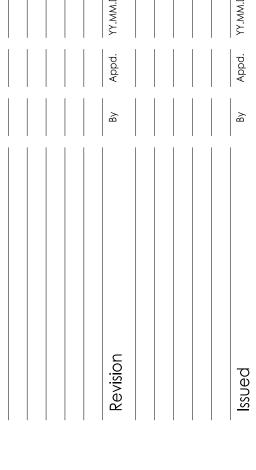
INSTALLATION OF NEW SERVICE LATERALS AS INDICATED ON THE PLAN & PROFILE DESIGN SHEET.

NOTE: PRESSURE TEST & DISINFECT PER TCEQ STANDARDS









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CALLED 4.9257 ACRES Phase III: Close Off site Ex.8' PWP PROPERTY OWNER, LP Mainline Gate Valve Located (TRACT 2) Approximately at INST. NO. 201600247714 N: 7033540.41 TEMPORARY DUMPSTER LOCATIONS O.P.R.D.C.T. E: 2484899.45 50'X60' MIN. CAUTION! (GATE VALVE #3) - PROPOSED CONTRACTOR TELECOMM.& GAS MAINTAIN A 9' MIN. CONCRETE ->UTILITY CROSSING >REFER TO SUE PLANS STAGING AREA PATH FOR TRASH TRANSPORT (CONTRACTOR TO CONFIRM FROM BACK OF BUSINESS TO OFFICIAL LOCATION DURING  $\sim\sim\sim$ TEMPORARY DUMPSTER AREA PRE-CONSTRUCTION MEETING) -0 PRESTONWOOD EASEMENT SBM \*IPK NAIL 0,00 594**.**48′ \$ 6. B. 7-00\_\_\_ ..../6•00--Phase II: Close Ex.8" Mainline Gate Valve BASELINE \_  $\mathbf{m}$ 2-RAIL PIPE FENCE END CONCRÉTE CURB Phase III: Maintain Closure of Ex.8 Mainline Gate Valve Located ALL WATER INFRASTRUCTURE IMPROVEMENTS SHALL BE IN ADHERENCE WITH THE TOWN OF Approximately at ADDISON WATER SYSTEM REQUIREMENTS MANUAL AS FOUND HERE: N:7034717.405 https://addisontexas.net/ckeditorfiles/files/Water%20System%20Requirements.pdf E: 2485241.984 UTILITY EASEMENT R.REFERENCE THE ATTACHED SUBSURFACE UTILITY ENGINEERING PLANS VOL.79055, PG.1025 M.R.D.C.T (GATE VALVE #2) FOR LOCATIONS AND DEPTHS OF EXISTING UTILITIES. 3.ALL INSTALLED PIPE AND TRENCH BEDDING,EMBEDMENT,AND BACKFILL SHALL ADHERE TO THE

Phase II: Close Ex.8" Mainline Gate

Valve Located Approximately at

N: 7034717.405

E: 2485241.984

(GATE VALVE #2)

\* JACOB NIEMEIER 125019

acos memues

2018-02-

GEOTECHNICAL STUDY DOOLEY ROAD AND BELT LINE ROAD WATERLINES ADDISON, TEXAS WHICH IS INCLUDED AS AN OFFICIAL DOCUMENT OF THE CONTRACT DOCUMENTS.

5.REFER TO THE FIRE HYDRANT STANDARD DETAIL FOR PLACEMENT AND ORIENTATION.

8.ALL COORDINATE CALL OUTS ON THIS SHEET ARE AT SURFACE.REFERENCE THE GENERAL NOTES SHEET FOR SURFACE TO GRID AND GRID TO SURFACE SCALE FACTORS.

6.DEFLECT JOINTS AS NEEDED,DO NOT EXCEED ALLOWABLE JOINT DEFLECTION.

7.LIMITS OF CONSTRUCTION ARE ESTABLISHED AS SHOWN.

9.NO WORK SHALL BE DONE OUTSIDE OF THE R.O.W.

LAKE FOREST ADDITION 4. PIPE, FITTINGS AND VALVES TO BE FULLY- RESTRAINED.

VOL.79168,PG.2399

M.R.D.C.T.

File Name:

Permit-Seal

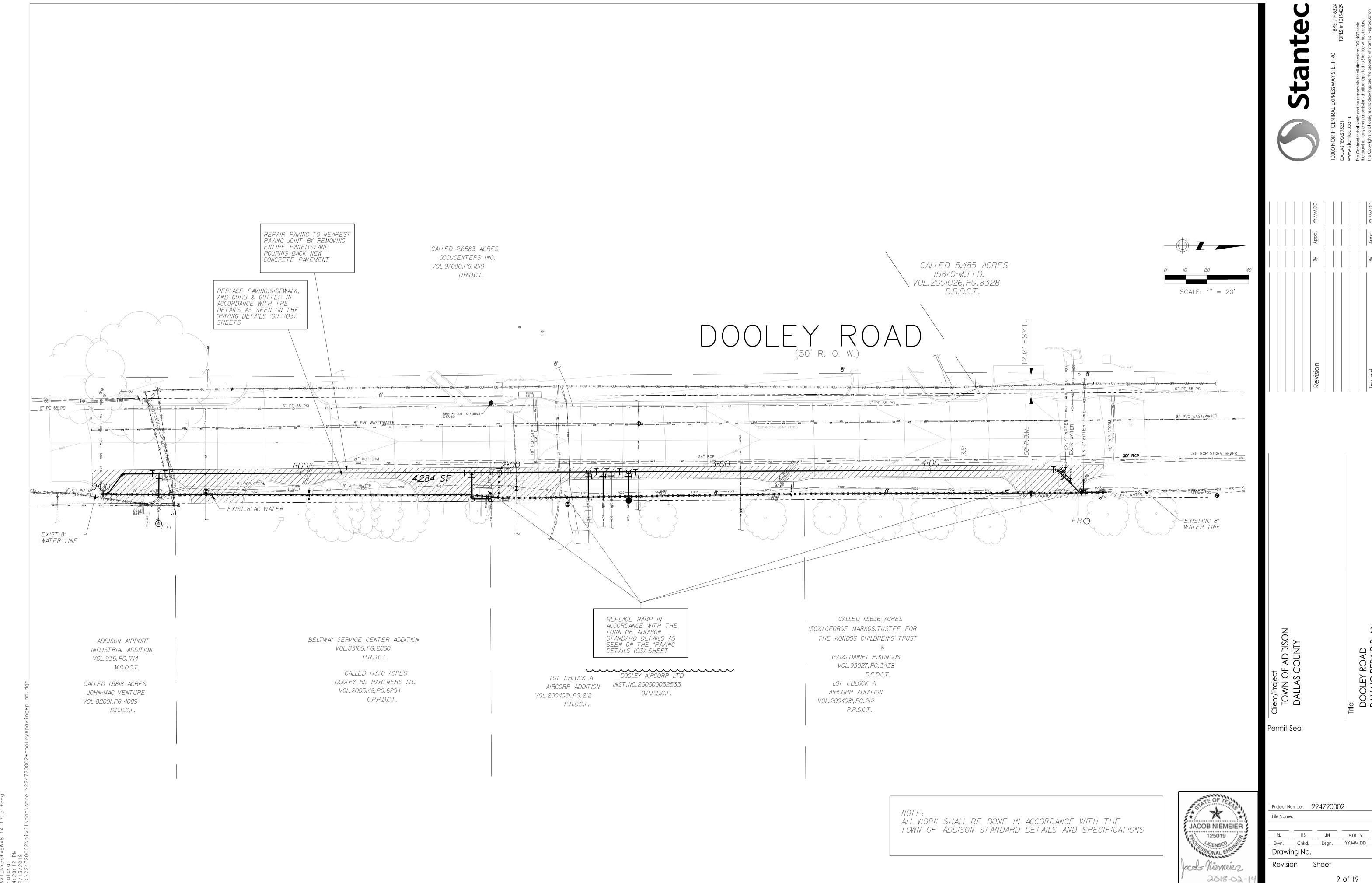
JN 18.01.19 Dwn. Chkd. Dsgn. YY.MM.DD Drawing No.

8 of 19

ORIGINAL SHEET - ANSI D

Project Number: 224720002

Revision Sheet



ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF ADDISON STANDARD DETAILS AND SPECIFICATIONS

A TE OF TEXTS
JACOB NIEMEIER 125019 125019 125019 125019
Jacobs Niemeiez
2018-02-14

Project Number: 224720002 Drawing No.

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 YY.MM.DD

Revision Sheet

10 of 19

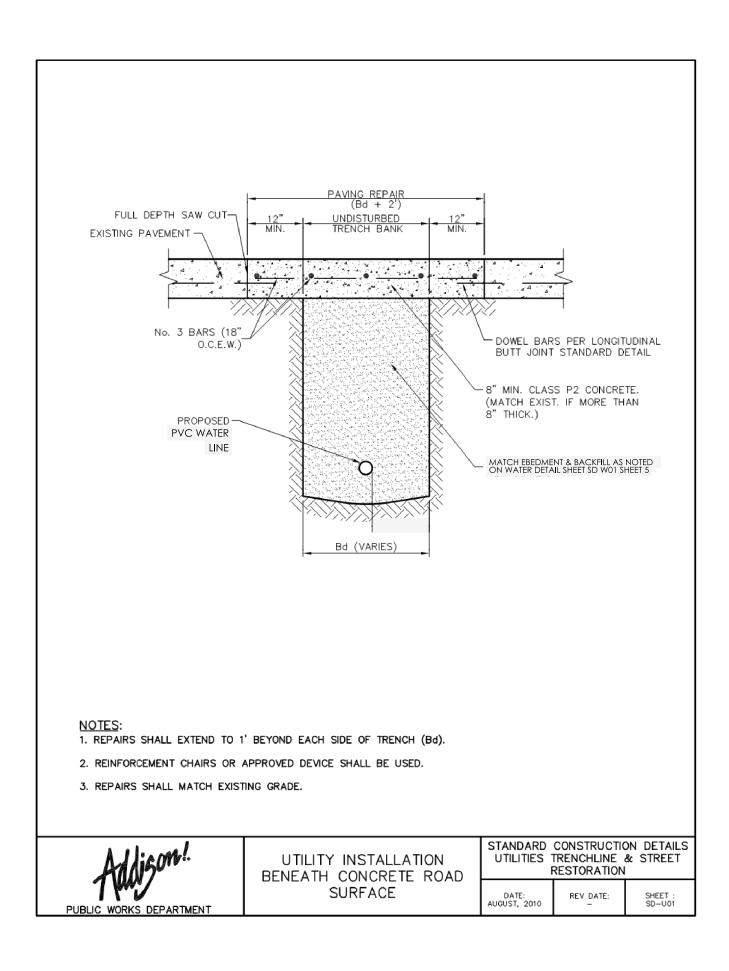
PRESTONWOOD
PAVING REPAIR PLAN

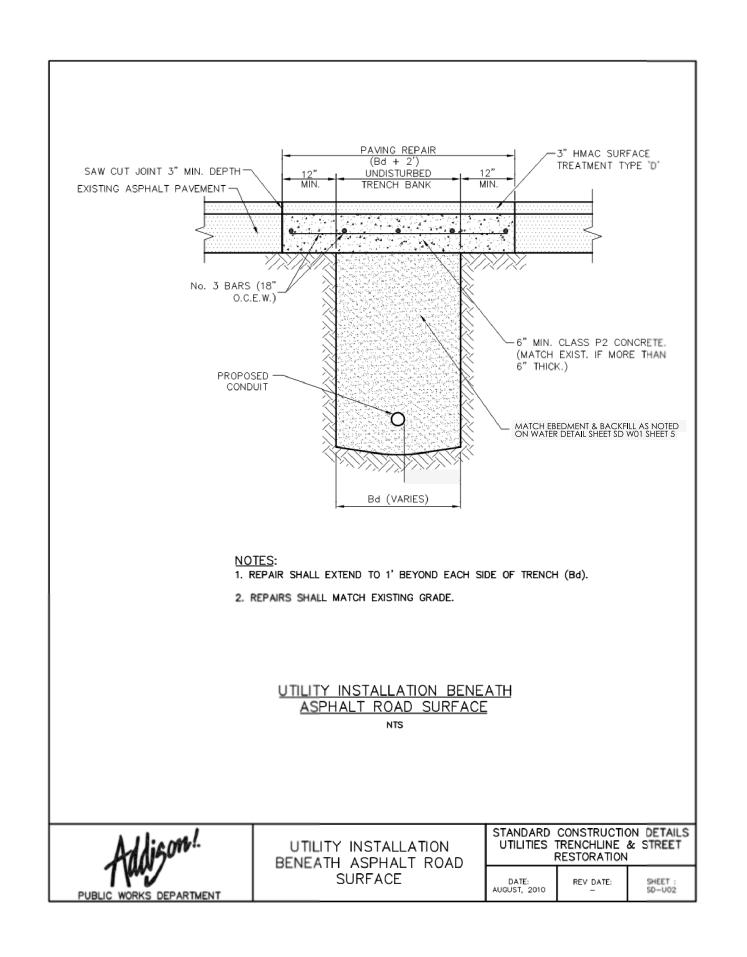
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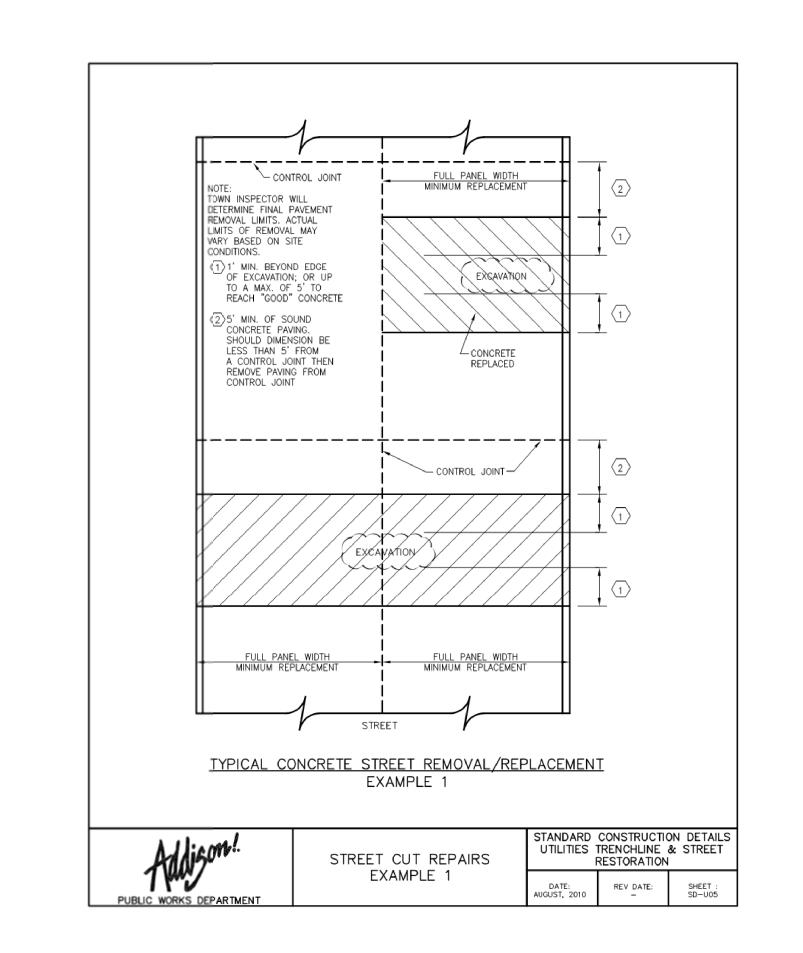
0 10 20 30 SCALE: 1" = 30'

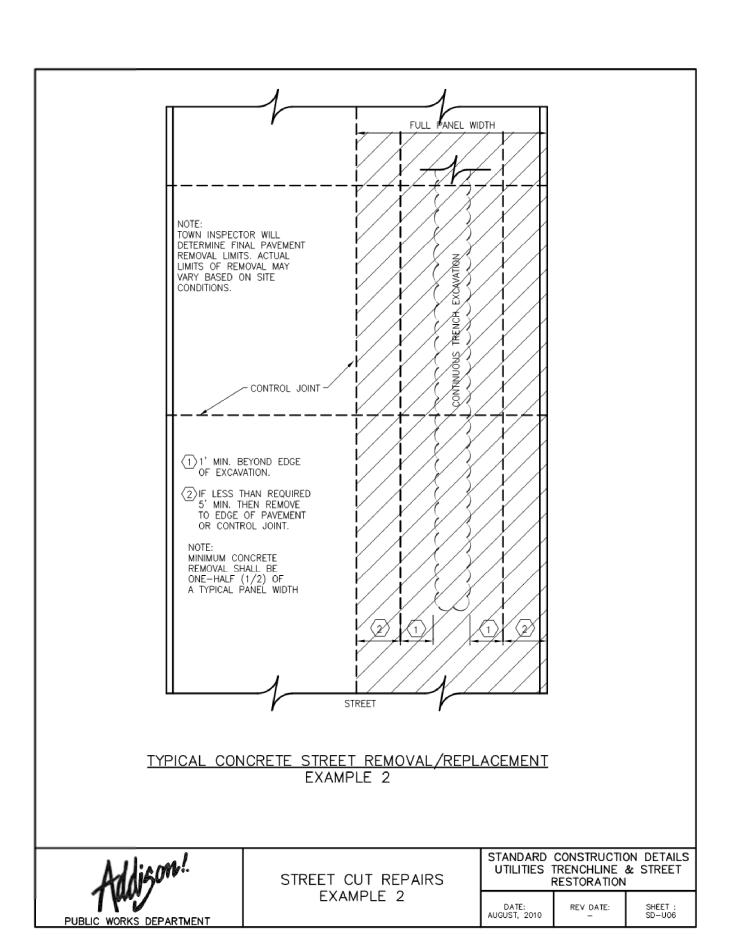
OAKS NORTH-EAST No. 3 VOL. 79121, PG. 587 M.R.D.C.T. CALLED 4.9257 ACRES PWP PROPERTY OWNER, LP (TRACT 2) INST. NO. 201600247714 O.P.R.D.C.T. MAINTAIN A 9' MIN. CONCRETE — PATH FOR TRASH TRANSPORT FROM BACK OF BUSINESS TO TEMPORARY DUMPSTER AREA CHAIN LINK FENCE PRESTONWOOD EASEMENT N 8183 St / Jala / St / Jala / L 2-RAIL PIPE FENCE CONCRETE CURB & GUTTER (TYP.) 2-RAIL PIPE FENCE END CONCRETE CURB <sup>J</sup> & GUTTER EX.72" RCP STORM REPAIR PAVING TO NEAREST PAVING JOINT BY REMOVING ENTIRE PANEL(S) AND POURING BACK NEW CONCRETE PAVEMENT LEX 12" WW PVC UTILITY EASEMENT J VOL.79055, PG. 1025 M.R.D.C.T. REPLACE PAVING AND PROTECT
EXIST.CURB & GUTTER
REPLACE ONLY IF NECESSARY
IN ACCORDANCE
WITH THE DETAILS AS SEEN
ON THE "PAVING DETAIL (01)-(03)"
SHEETS

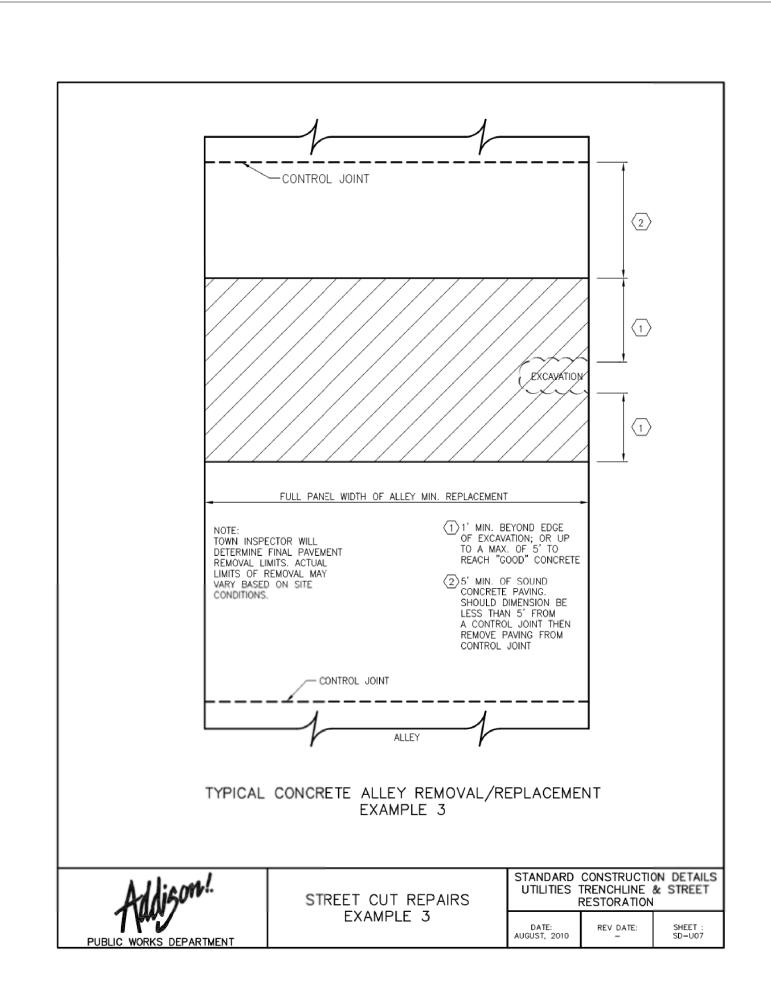
LAKE FOREST ADDITION VOL.79168,PG.2399 M.R.D.C.T.

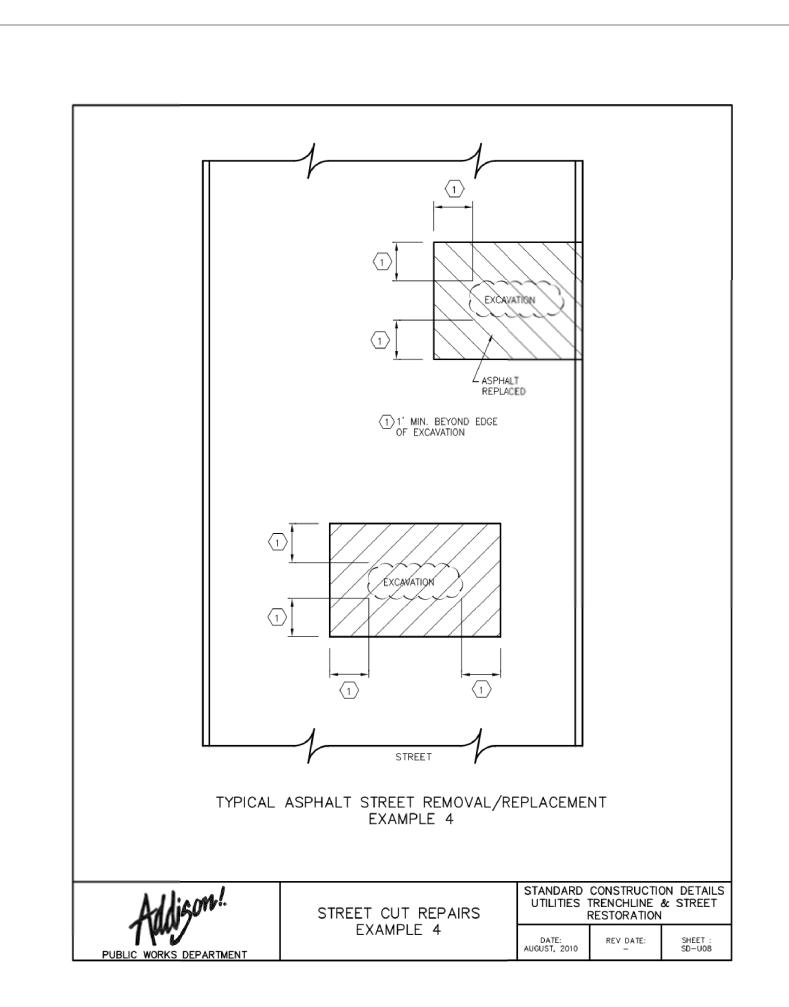














Project Number: 224720002 JN 18.01.19 Dwn. Chkd. Dsgn. YY.MM.DD Drawing No. Revision Sheet

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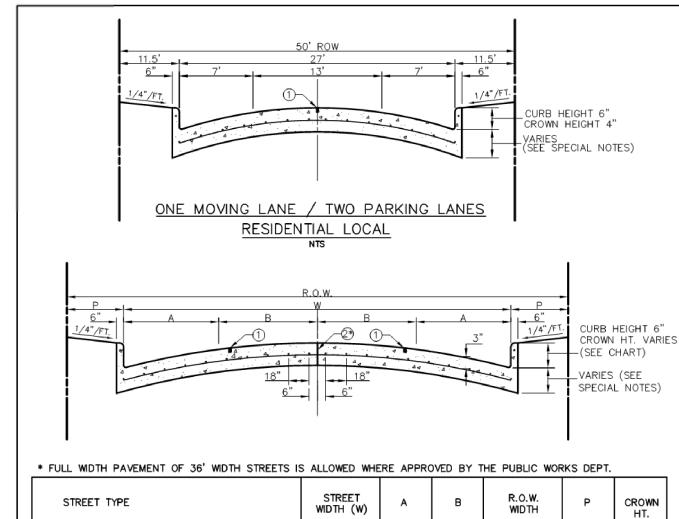
ORIGINAL SHEET - ANSI D

#### <u>PAVING - GENERAL NOTES</u>

- GENERAL:
  PAVEMENT THICKNESS IS AS SHOWN IN ITEM 7. SUBGRADE DESIGN SHALL CONFORM TO TOWN OF ADDISON PUBLIC WORKS REQUIREMENTS IN ITEM 3, AND SHALL EXTEND 12" MIN. BEHIND THE BACK OF
- REINFORCED CONCRETE PAVEMENT:
- A. CONCRETE STRENGTH SHALL BE AS SHOWN IN ITEM 7 (NCTCOG LATEST EDITION). B. ALL CURBS SHALL BE INTEGRAL WITH PAVEMENT AND SHALL BE OF THE SAME STRENGTH AS CONCRETE PAVEMENT. C. DETAIL AND ARRANGEMENT OF PAVEMENT JOINTS, ALL TYPES, SHALL BE AS SHOWN ON THE TOWN STANDARD CONSTRUCTION DETAILS.
- D. BAR LAPS SHALL BE THIRTY DIAMETERS. E. REINFORCING STEEL SHALL BE #3 REBAR (3/8") ON 18" CENTERS FOR 8" OR LESS. #4 FOR 10" OR ABOVE
- SUBGRADE: SUBGRADE UNDER ALL PAVEMENT SHALL BE 6" THICK AND SHALL BE STABILIZED WITH AT LEAST 30 LBS. PER SQ. YD. HYDRATED LIME, COMPACTED TO A DENSITY NOT LESS THAN 95 PERCENT. LABORATORY TESTS MUST BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL TO DETERMINE AMOUNT OF LIME REQUIRED. LABORATORY TEST MAY BE WAIVED PROVIDED AT LEAST 36 LBS. OF LIME PER SQ. YD. IS USED. SEE NCTCOG ITEM 301.2 "LIME TREATMENT". FLEXIBLE BASE (CRUSHED STONE/CONCRETE) PER NCTCOG ITEM 301.5 MAY BE SUBSTITUTED FOR LIME TREATMENT WITH THE APPROVAL OF THE TOWN
- 4. REBAR SHALL BE SUPPORTED BY BAR CHAIRS OR OTHER DEVICES APPROVED BY TOWN ENGINEER.
- 5. NO TRAFFIC ON FINISHED SUBGRADE SHALL BE PERMITTED AFTER REINFORCING STEEL IS INSTALLED ABOVE SUBGRAGE. NO TRAFFIC SHALL BE PERMITTED BEFORE OR DURING THE PLACING OF CONCRETE.
- 6. CROSS SLOPE OF STRAIGHT CROWN STREETS SHALL BE 1/4" PER FOOT UNLESS APPROVED BY THE TOWN
- PAVEMENT THICKNESS AND STRENGTHS SHALL BE AS FOLLOWS: MAJOR ARTERIAL 10" CLASS "P1" OR "P2." MINOR ARTERIAL - 8" CLASS "P1" OR "P2." COMMERCIAL/INDUSTRIAL COLLECTOR - 8" CLASS "P1" OR "P2." RESIDENTIAL COLLECTOR - 8" CLASS "P1" OR "P2." RESIDENTIAL LOCAL - 8" CLASS "P1" OR "P2." SIDEWALK AND BFR's-4"-CLASS "A" DRIVE APPROACH-8"-CLASS "P2" ALLEY-6" CLASS "P1" OR "P2."
- 8. CONCRETE MIX DESIGN SHALL BE AS DEFINED BY NCTCOG 303.3.
- 9. ALL MEDIANS AND PARKWAYS SHALL BE PROVIDED WITH BERMUDA GROUND COVER.
- 10. ONCE A CURB ABUTTING A THOROUGHFARE HAS BEEN SAWCUT AND REMOVED, THE CONTRACTOR MUST REPLACE THE CONCRETE WITH A NEW POUR (i.e. DRIVEWAY) WITHIN 14 CALENDAR DAYS. LIQUIDATED DAMAGES WILL BE ASSESSED AT \$500 PER DAY FOR EACH CALENDAR DAY IN EXCESS OF 14 CALENDAR DAYS. PAYMENT SHALL BE MADE PRIOR TO ACCEPTANCE OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 11. ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%.
- 12. ALLEYS AND DRIVEWAYS
- A. CONCRETE FOR ALLEY RETURNS AND DRIVEWAYS SHALL HAVE A MINIMUM COPRESSIVE STRENGTH AT 28 DAYS IDENTICAL TO THAT SPECIFIED FOR THE STREET PAVEMENT OR BASE WHEN BUILT AS COMPONENTS OF A CONCRETE PAVING PROJECT. WHEN BUILT SEPARATELY, THE STRENGTH SHALL BE AS SPECIFIED ON
- B. SPACING AND CONSTRUCTION OF JOINTS SHALL CONFORM TO PARABOLIC STREET PAVEMENT.

1	Addi	gon!	
PUBLIC	WORKS	DEPARTMENT	

PAVING GENERAL NOTES STANDARD CONSTRUCTION DETAILS PAVING REV DATE:



* FULL WIDTH PAVEMENT OF 36' WIDTH STREETS IS ALLOWED WHERE APPROVED BY THE PUBLIC WORKS DEPT.						
STREET TYPE	STREET WIDTH (W)	A	В	R.O.W. WIDTH	Р	CROWN HT.
RESIDENTIAL COLLECTOR	36' *	7'	11'	60'	12'	5"
64' COMMERCIAL / INDUSTRIAL COLLECTOR	44'	10'	12'	64'	10'	6"
68' COMMERCIAL / INDUSTRIAL COLLECTOR	48'	12'	12'	68'	10'	6"

FOUR MOVING LANES OR TWO MOVING LANES / TWO PARKING LANES

① SAWED LONGITUDINAL DUMMY JOINT.
② CONSTRUCTION JOINT (FULL WIDTH PAVEMENT IS ALLOWED WHERE APPROVED BY THE PUBLIC WORKS

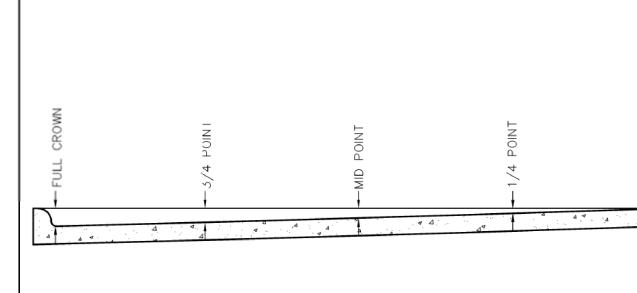
DEPARTMENT'. 3 ALL REINFORCING BARS SHALL BE No. 3 TRANSVERSE BARS TO BE SPACED ON 18" CENTERS. LONGITUDINAL BARS SHALL BE PLACED ON 18" CENTERS EXCEPT WHERE NOTED.

GURB REINFORCEMENT SHALL BE CONTINUOUS No. 3 BAR.

Addison!
PUBLIC WORKS DEPARTMEN

REINFORCED CONCRETE PAVEMENT

STANDARD	CONSTRUCTION PAVING	ON DETAILS
DATE: AUGUST 2010	REV DATE:	SHEET : SD-P02



SLIP-FORM PAVEMENT MUST MEET CROWN GRADES AT GUTTERS, AT MID-POINTS AND CENTERLINE. WIDTHS OF PAVEMENT ARE FACE TO FACE.

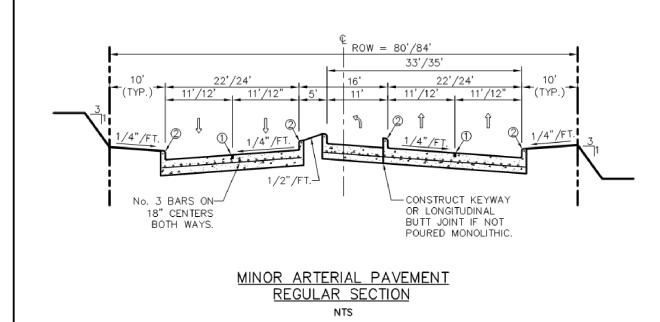
ROADWAY WIDTH (W)	TOTAL CROWN HEIGHT	3/4 POINT	MID-POINT	1/4 POINT
27'	4"	2-1/4"	1"	1/4"
36'	5"	2-7/8"	1-1/4"	3/8"
44'	6"	3-3/8"	1-1/2"	1/2"
48'	6"	3-3/8"	1-1/2"	1/2"

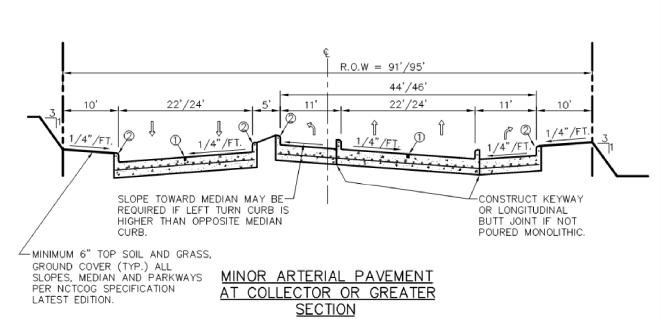
TABLE OF CROWN HEIGHTS AND ORDINATES FOR VARIOUS PARABOLIC SECTIONS

Addison!
PUBLIC WORKS DEPARTMENT

PARABOLIC PAVEMENT CROWN

STANDARD CONSTRUCTION DETAILS PAVING REV DATE:



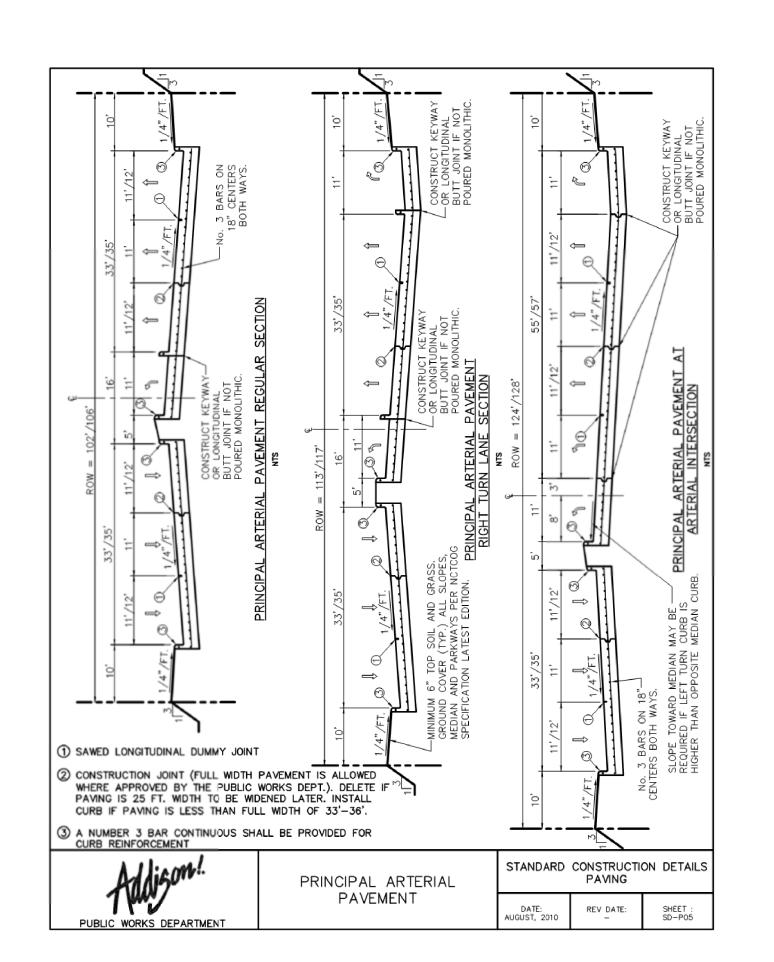


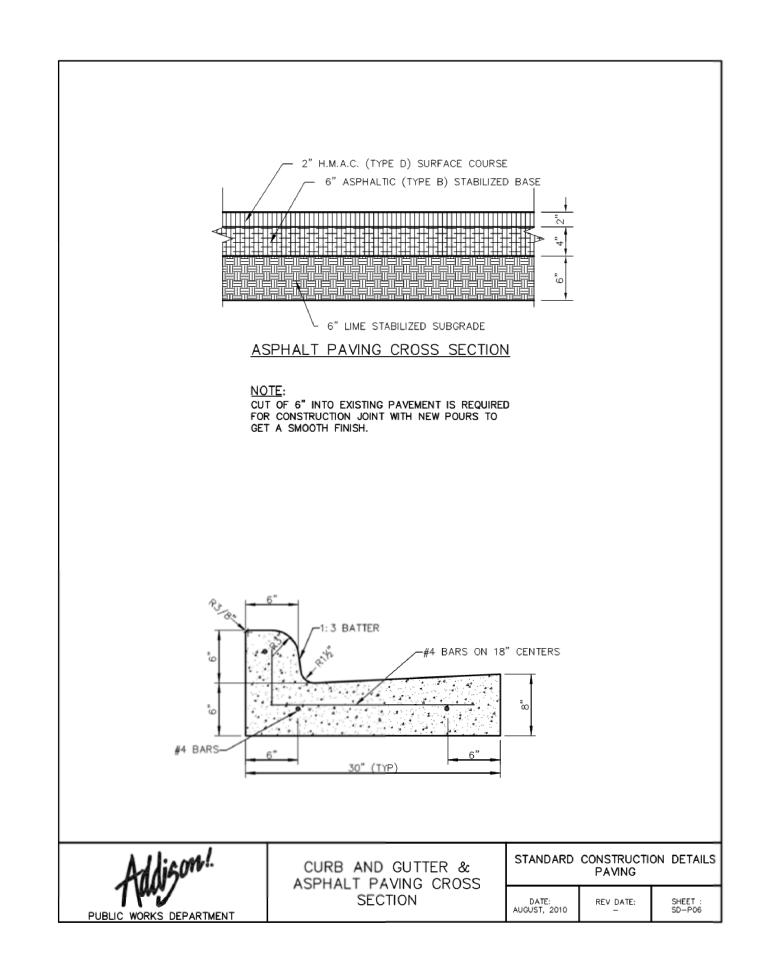
NTS

1 SAWED LONGITUDINAL DUMMY JOINT

2 REINFORCEMENT SHALL BE A CONTINUOUS No. 3 BAR.

Addison!	MINOR ARTERIAL PAVEMENT		STANDARD CONSTRUCTION DETAILS PAVING		
JBLIC WORKS DEPARTMENT	WINTON THE PROPERTY	DATE: AUGUST, 2010	REV DATE: -	SHEET : SD-P04	







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Project Number: 224720002 JN 18.01.19

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-NO. 3 BARS ON 18" CTRS

STANDARD CONSTRUCTION DETAILS

PAVING

REV DATE:

— EPOXY A103 OR APPROVED EQUAL. INSTALL FULL DEPTH PER

MANUFACTURER'S INSTRUCTIONS

SILICONE JOINT SEALANT WITH 1/2" DIA. BACKER ROD PER JOINT DETAIL

SHEET : SD-P07

SHEET : SD-P19

BOTH WAYS

STANDARD 12', 16', & 20' ALLEY SECTION

STANDARD ALLEY SECTION WITH CURB

ALTERNATE 12' ALLEY SECTION WITH CURB

ALLEY SECTION

NOTES:
CURBS NOT ALLOWED IN RESIDENTIAL AREAS EXCEPT AS APPROVED BY THE PUBLIC WORKS DEPT.

3. ALL ALLEYS TO BE LIMED IN ACCORDANCE WITH ITEM 3 ON THE PAVING GENERAL NOTES

SAWCUT @ CURB &

GUTTER

LONGITUDINAL BARS

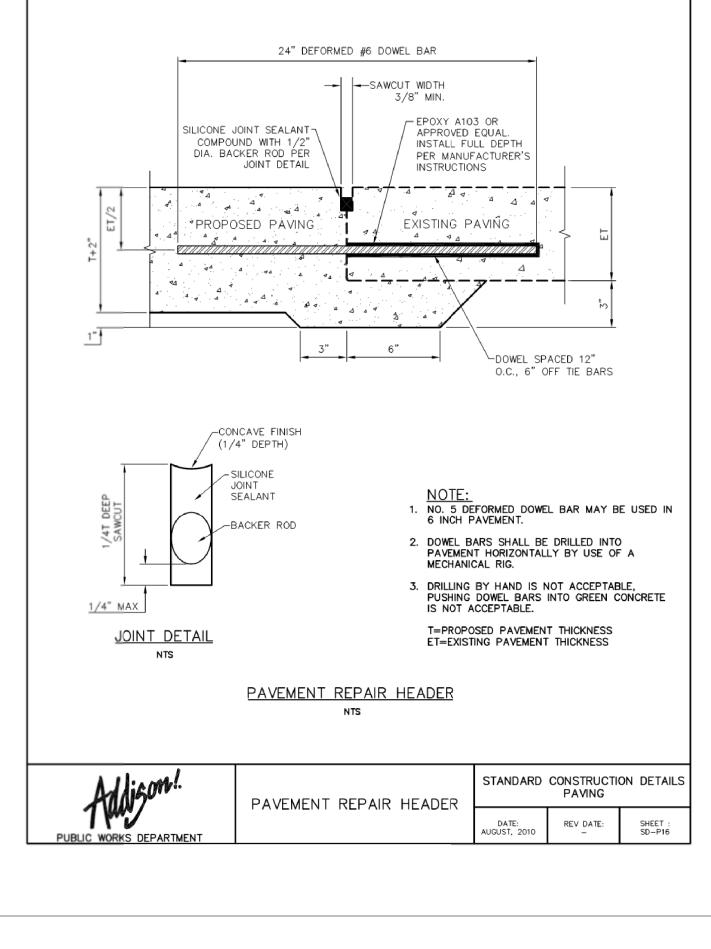
2. NO. 3 BAR CONTINUOUS IN CURB.

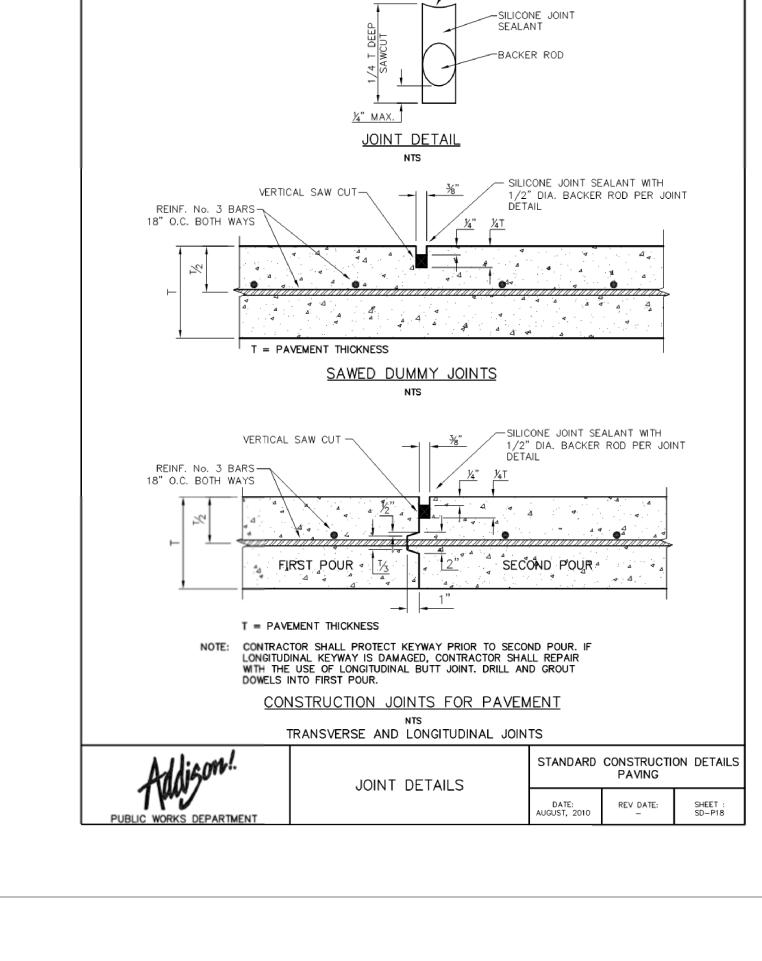
DOWEL SPACED ON 18" -

CENTER TO CENTER,

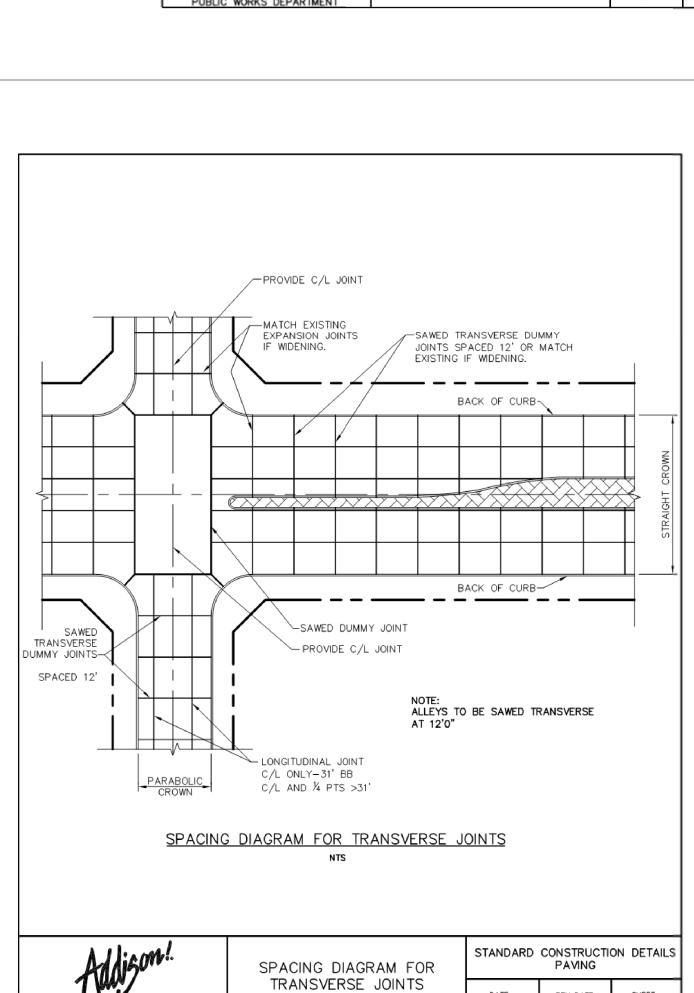
6" OFF TIE BARS.

-NO. 3 BARS, SPACED





CONCAVE FINISH (1/4" DEPTH)





TOWN OF ADDISON DALLAS COUNTY, TEXAS Permit-Seal

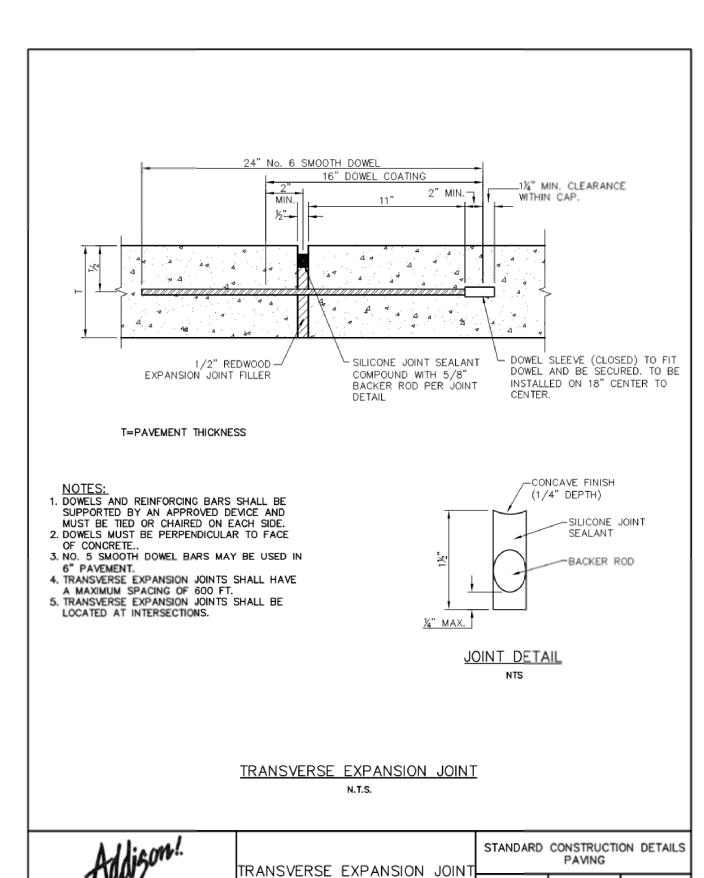
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Project Number: 224720002 JN 18.01.19 Dwn. Chkd. Dsgn. YY.MM.DD Drawing No.

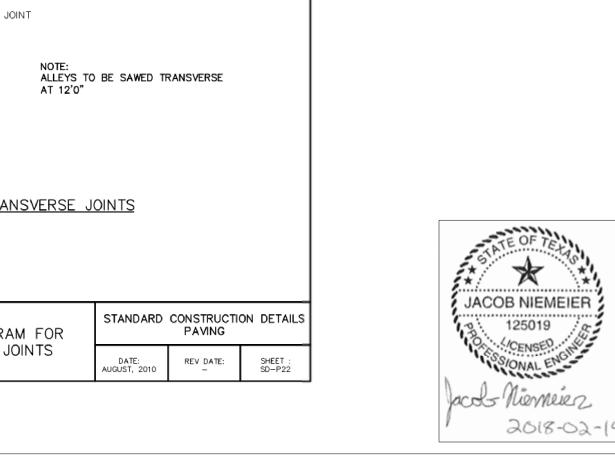
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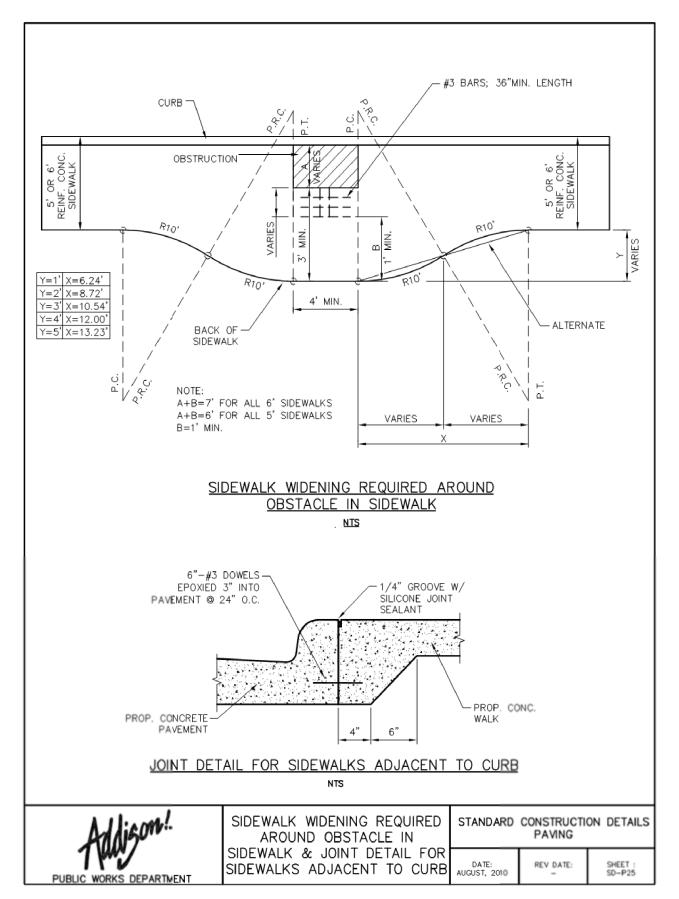
Revision Sheet

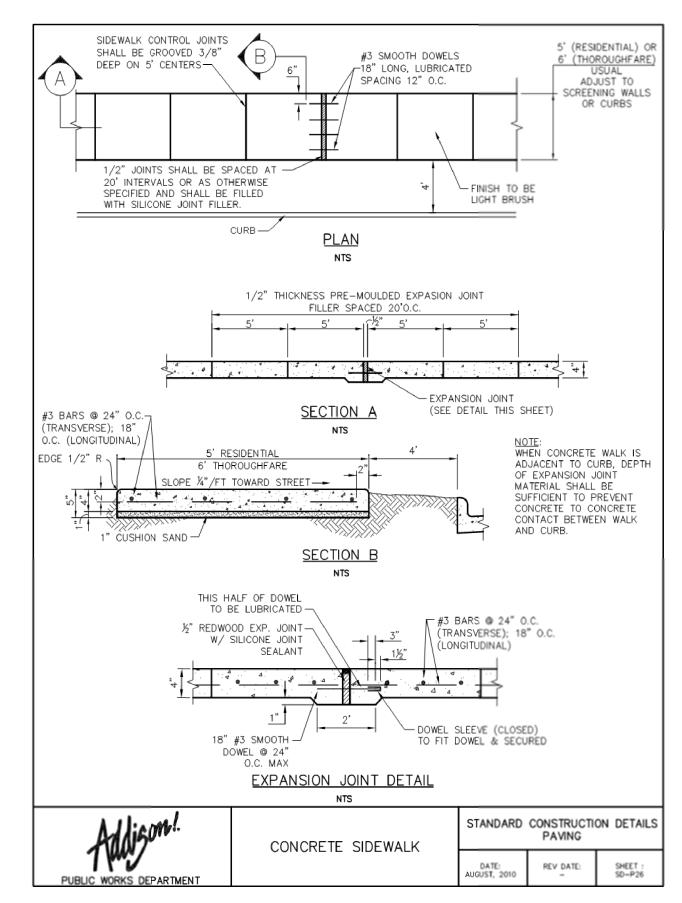
-CONCAVE FINISH (1/4" DEPTH) SEALANT ─BACKER ROD STANDARD CONSTRUCTION DETAILS

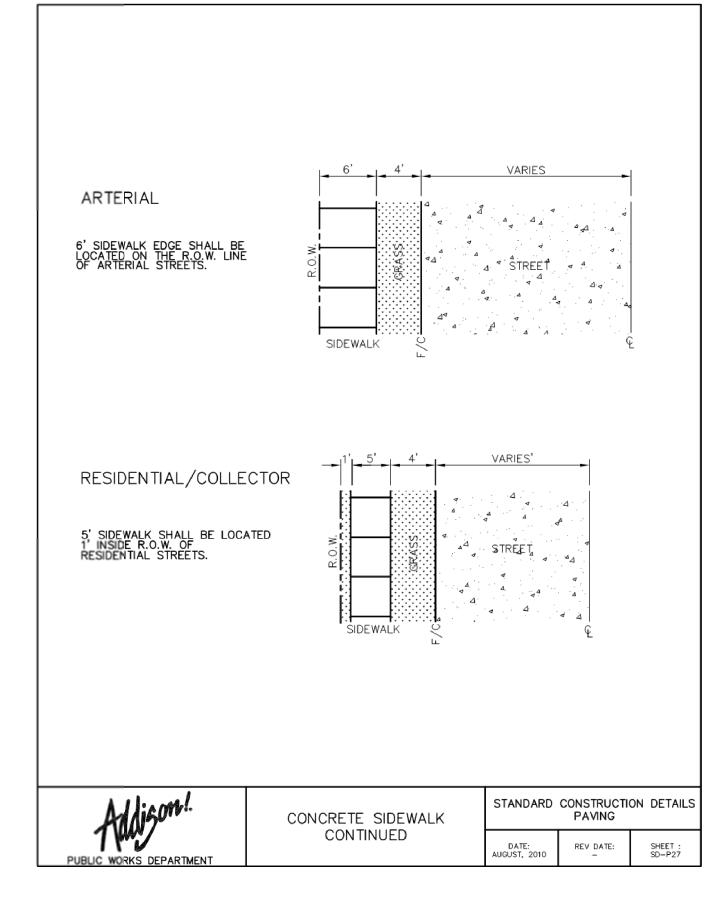


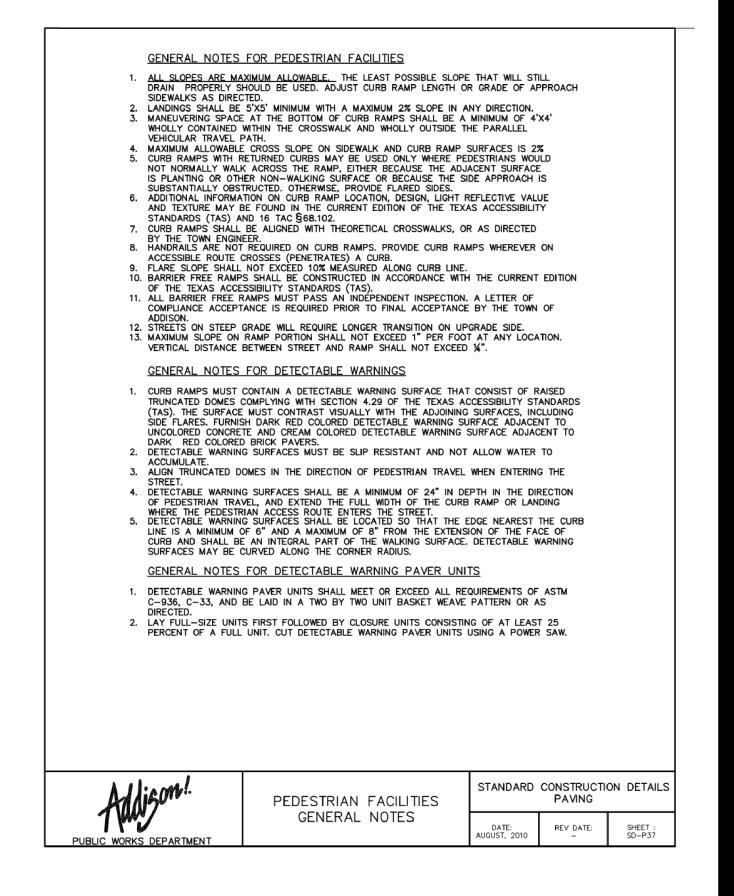
REV DATE:











PEDESTRIAN RAMP DETAILS PER UNITED STATES ACCESS BOARD ADA REQUIRENTS CHAPTER 4: ACCESSIBLE ROUTS: RAMPS AND CURB RAMPS; PUBLIC R. O. W. ACCESSIBILITY GUIDELINES, AND TXDOT STANDARDS

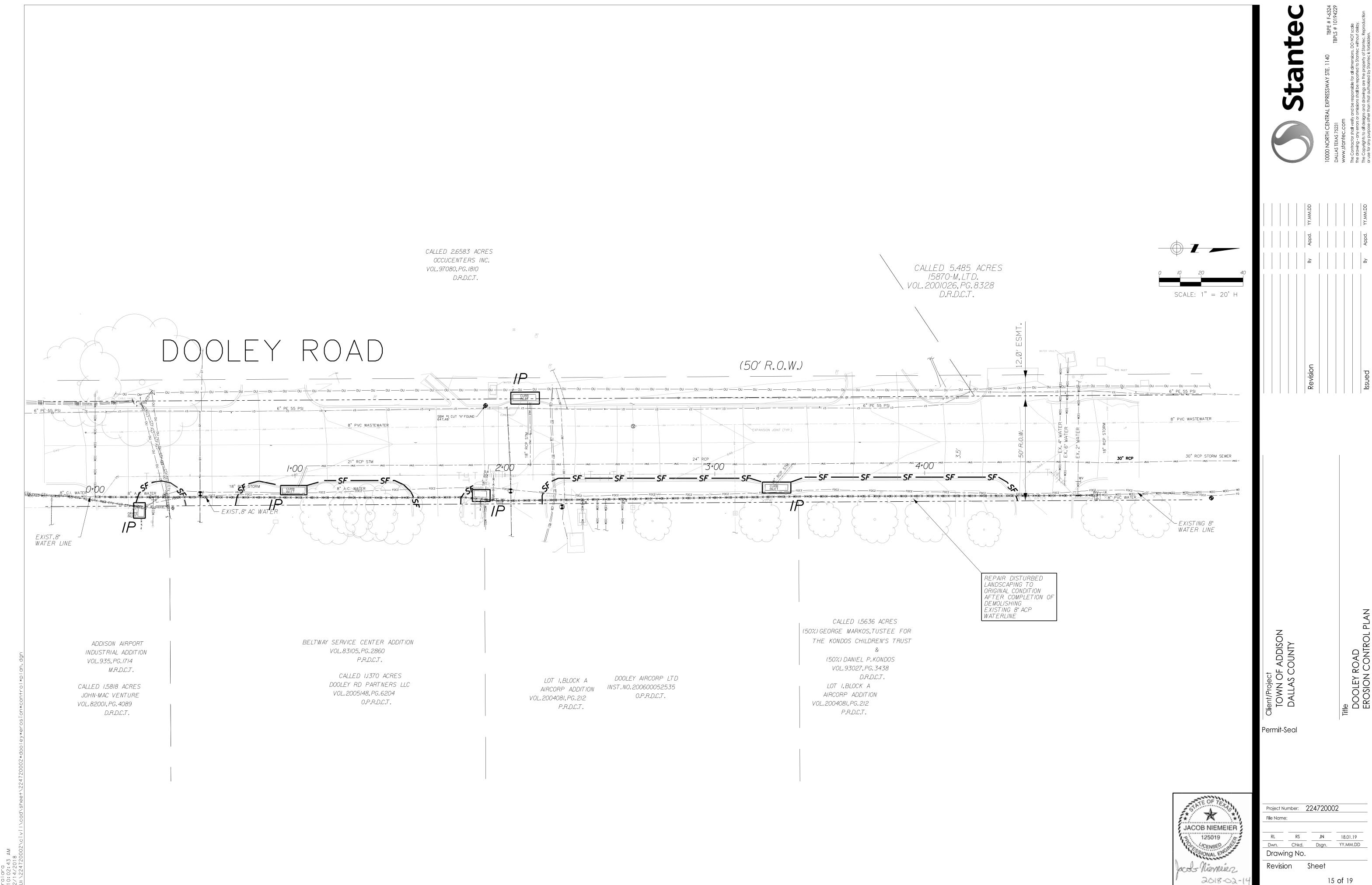


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ORIGINAL SHEET - ANSI D



INLET PROTECTION

CONCRETE CURB / & GUTTER (TYP.)

2018-02-1

Permit-Seal

Project Number: 224720002 
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 JN
 18.01.19

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 Chkd.
 Dsgn.
 YY.MM.DD
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PRESTONWOOD EROSION CONTROL PLAN

2-RAIL PIPE FENCE END CONCRETE CURB \$\frac{1}{2}\$ NOTE:EROSION CONTROL IN THIS AREA TO BE —

DETERMINED BY THE CONTRACTOR AND APPROVED

BY THE TOWN OF ADDISON AND THE ENGINEER UTILITY EASEMENT — VOL.79055, PG. 1025 M.R.D.C.T. LAKE FOREST ADDITION VOL.79168,PG.2399 M.R.D.C.T.

L 2-RAIL PIPE FENCE

PRESTONWOOD EASEMENT

INST. NO. 201600247714

OAKS NORTH-EAST No. 3 VOL. 79121, PG. 587 M.R.D.C.T. CALLED 4.9257 ACRES

CHAIN LINK FENCE

LEGEND

**—SF——SF—** Silt Fence

BEL

Stantec

#### EROSION CONTROL PLAN NOTES

- 1. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), TPDES GENERAL PERMIT NO. TXR 150000 ISSUED AND DATED MARCH 5, 2003.
- 2. THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY
- DISPLAYED ON SITE AT ALL TIMES BY EACH OPERATOR. ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA AND TCEQ.
- 4. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE AT LEAST ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER. AS AN ALTERNATIVE, AN INSPECTION CAN BE CONDUCTED ONCE EVERY SEVEN (7) CALENDAR DAYS ON A DEFINED DAY. A DECISION ON WHICH METHOD TO USE MUST BE DECIDED BEFORE WORK BEGINS AND MUST BE FOLLOWED THROUGHOUT
- MODIFICATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN-PLACE WITHIN A SEVEN CALENDAR DAY PERIOD.
- IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
- EROSION CONTROL SHALL BE INSTALLED PRIOR TO GRADING.
- 8. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES OR 25%.
- 9. THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
- 10. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUNDCOVER IN ALL STREET PARKWAYS, LOT AND ALL OTHER DISTURBED AREAS. SODDING SHALL BE DONE AS SPECIFIED BY SECTION 202.5 AND SEEDING AS SPECIFIED BY SECTION 202.6 OF THE OCTOBER 2004 OR LATEST EDITION OF NCTCOG STANDARD
- 11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
- 12. A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE EROSION CONTROL PLAN.
- 13. CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO LANDFILL BY THE CONTRACTOR.
- 14. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

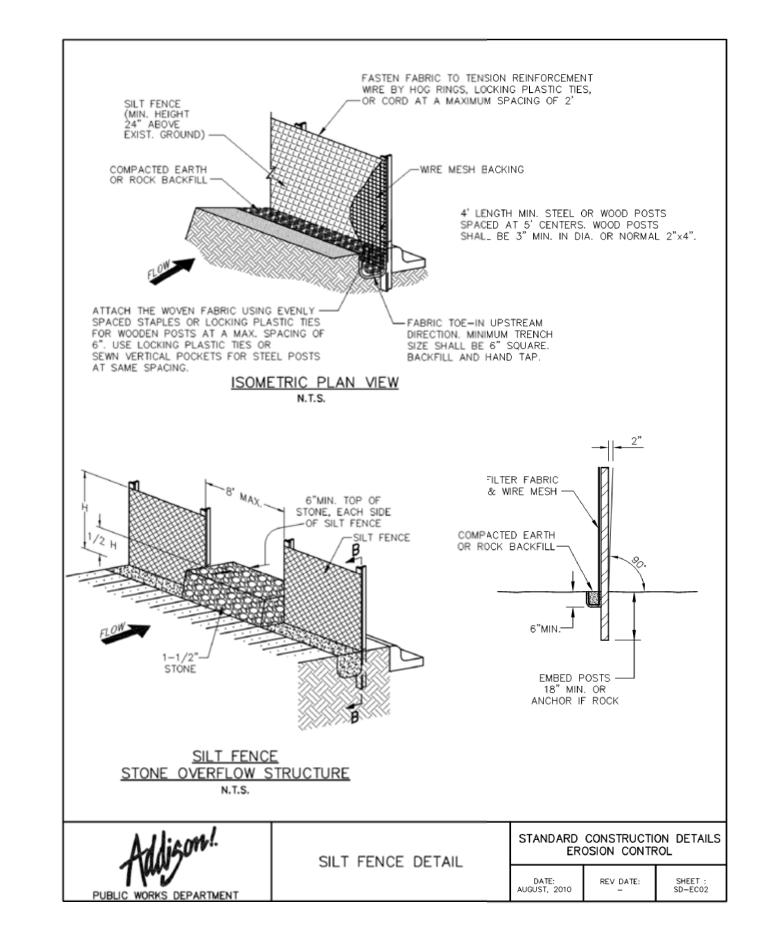
#### SILT FENCE NOTES

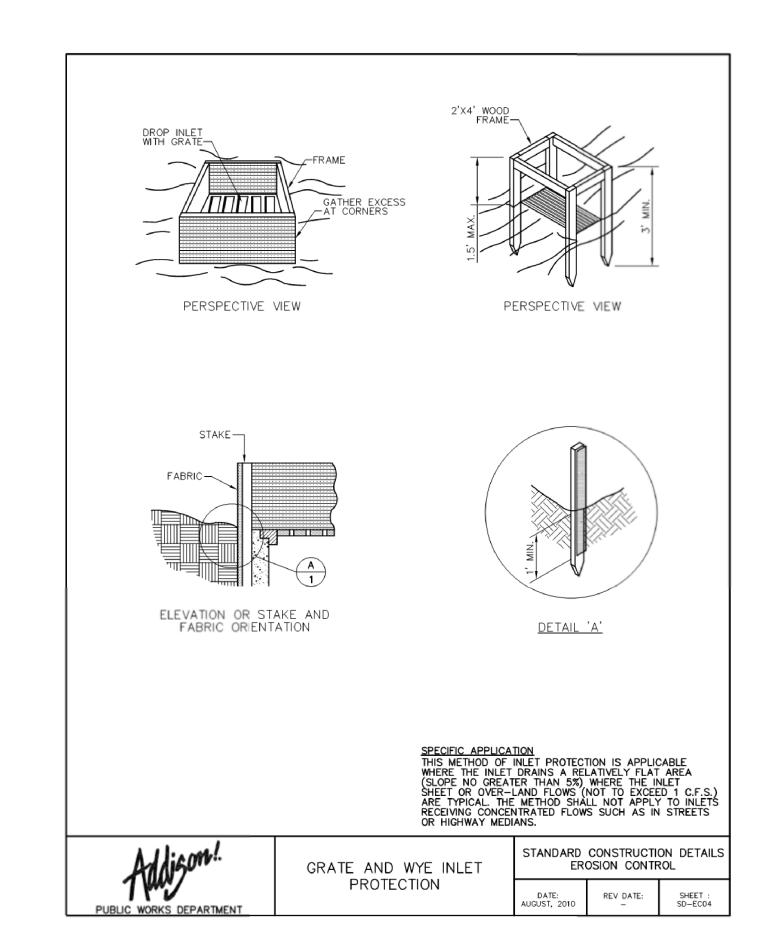
- 3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- . SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE SUPPORT POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- 5. INSPECTION SHALL BE MADE EVERY TWO WEEKS OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- . ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 3 INCHES. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

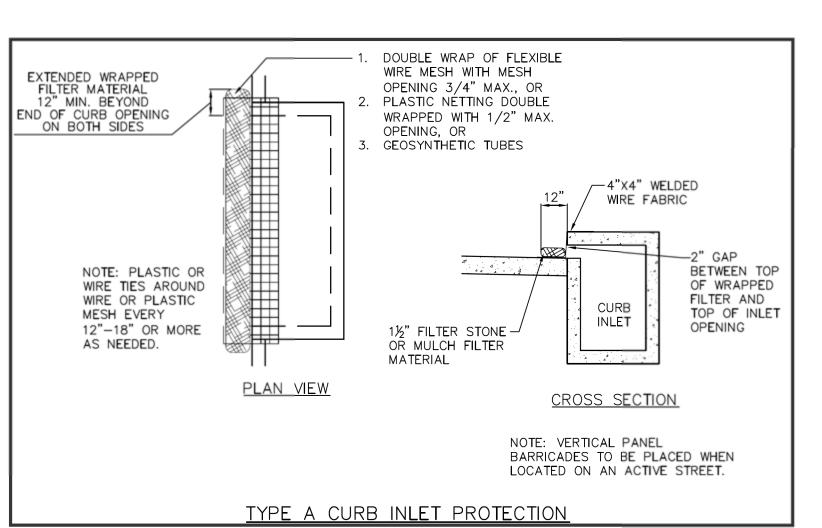


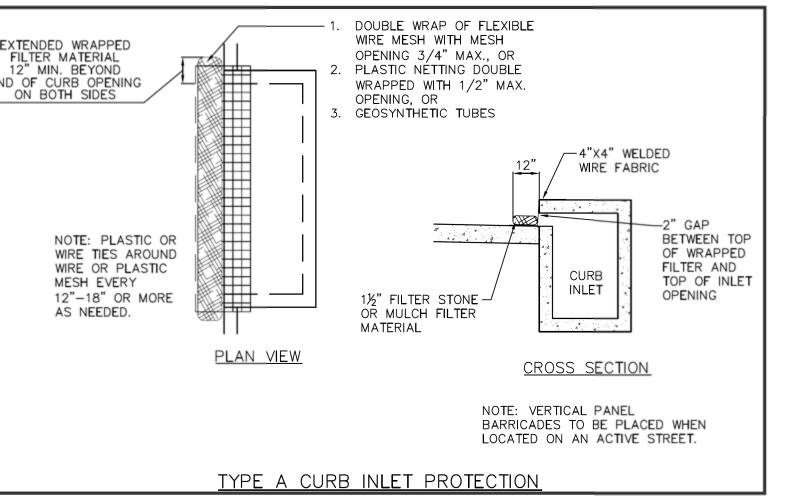
**EROSION CONTROL & SILT** FENCE NOTES

STANDARD CONSTRUCTION DETAILS EROSION CONTROL REV DATE:











Project Number: 224720002							
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Client/Project
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

Permit-Seal

ORIGINAL SHEET - ANSI D

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Title EROSION

		MINIMUM DESIRABLE TAPER LENGTHS**		SUGGESTED MAXIMUM SPACING OF DEVICE		MINIMUM SIGN SPACING	
POSTED SPEED	FORMULA	10' OFFSET	11' OFFSET	12' OFFSET	ON A TAPER	ON A TANGENT	X DISTANCE
30		150'	165'	180'	30'	60'	120'
35	$L = (W*S^2)$	205'	225'	245'	35'	70'	160'
40		265'	295'	320'	40'	80'	240'
45	L = W*S	450'	495'	540'	45'	90'	320'
50		500'	550'	600'	50'	100'	400'
55		550'	605'	660'	55'	110'	500'
60		600'	660'	720'	60'	120'	600'
65		650'	715'	780'	65'	130'	700'
70		700'	770'	840'	70'	140'	800'
75		750'	825'	900'	75'	150'	900'

- \*\* TAPER LENGTHS HAVE BEEN ROUNDED OFF.
- L = LENGTH OF TAPER (FT.) W = WIDTH OF OFFSET (FT.)
- S = POSTED SPEED (MPH)

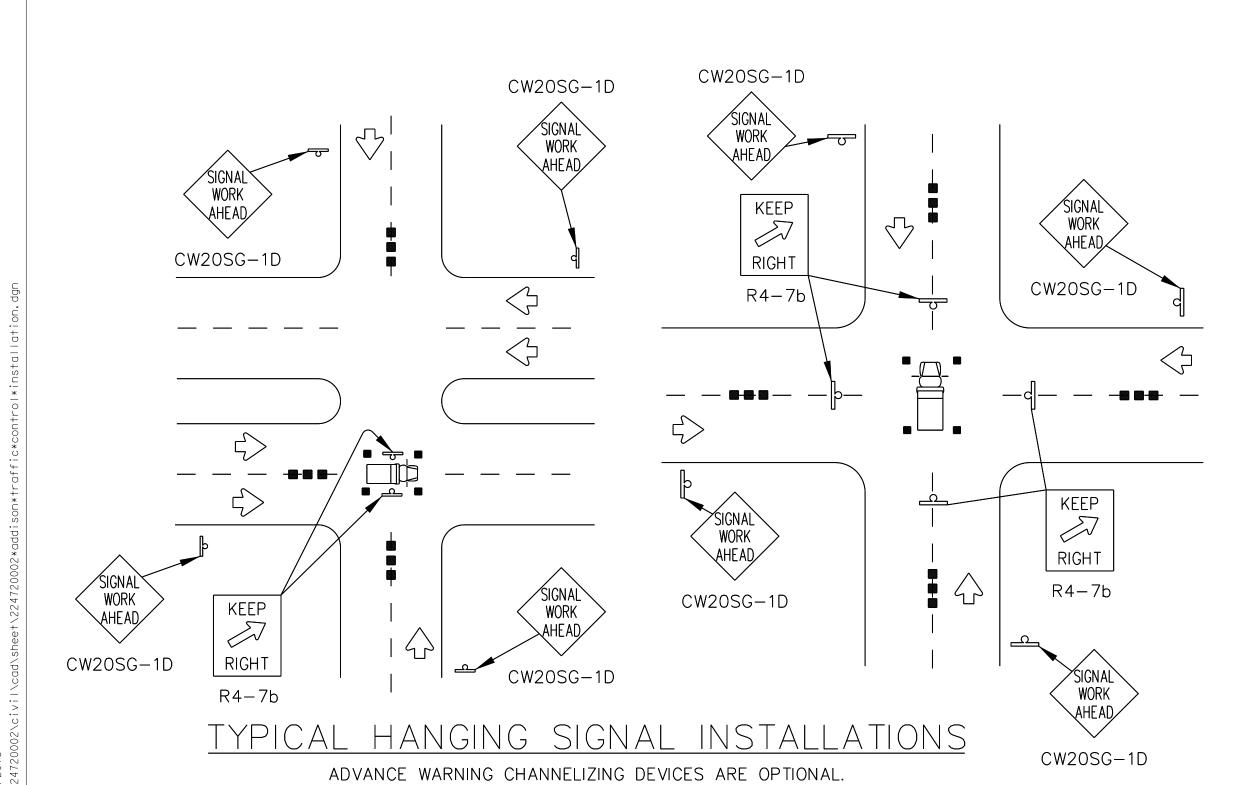
DAYTIME - FOUR LANE ROADWAY BARRICADE DETECTOR -100' MIN LOCATION PAVED SHOULDER PAVED SHOULDER

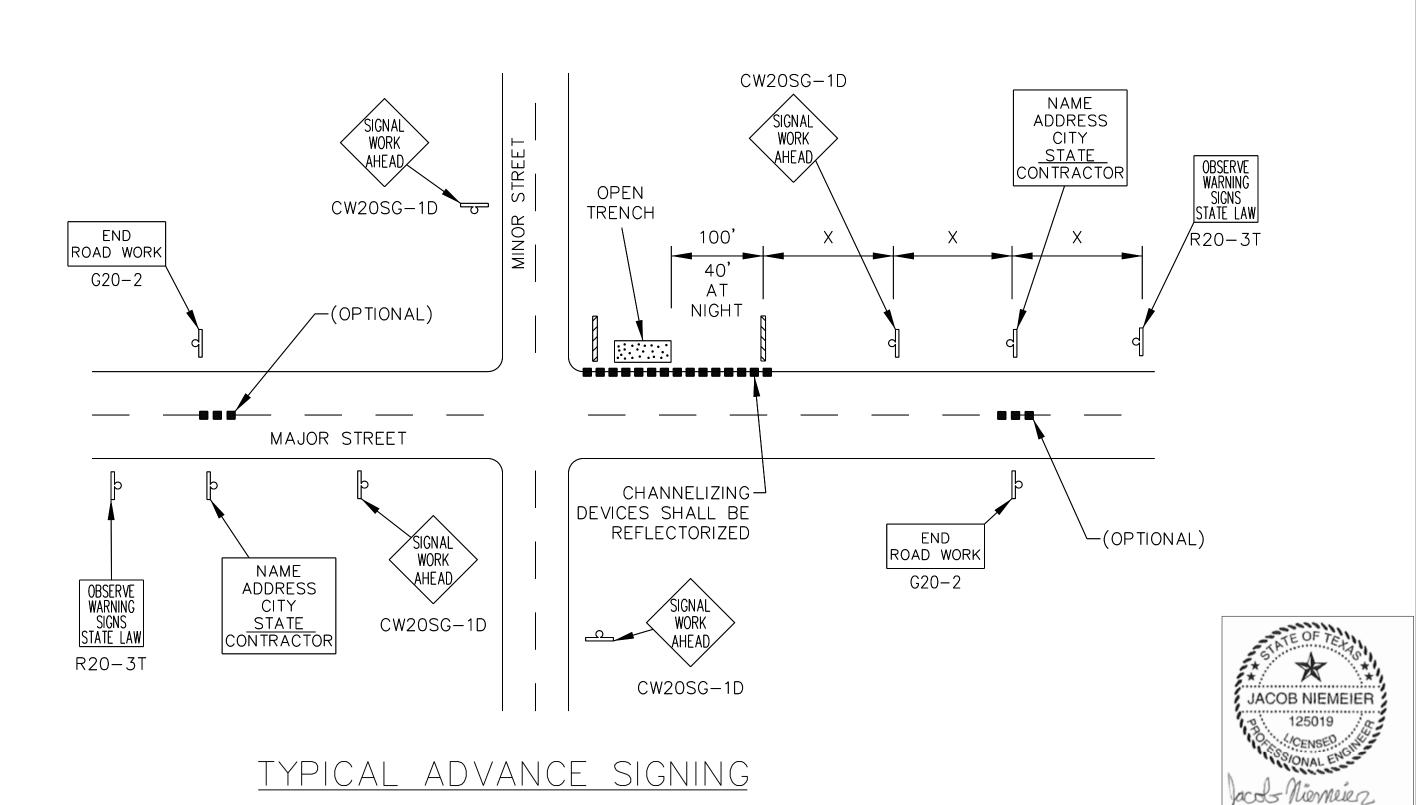
WORK CW20SG-1D KEEP  $\sqrt{N}$ PAVED SHOULDER PAVED SHOULDER RIGHT FLAGGER & CW20-7A SIGN MAY BE REQUIRED ACCORDING TO FIELD CONDITIONS. R4-7b SIGNAL WORK DAYTIME - TWO LANE ROADWAY AHEAD

CW20SG-1D

# TYPICAL DETECTOR INSTALLATION

NIGHTTIME - 1. CHANNELIZING DEVICES SHALL BE REFLECTORIZED.





LEGEND

TO HEAVY WORK VEHICLE

TYPE 1 BARRICADE

CHANNELIZING DEVICES

FLASHING ARROW PANEL

1. THE FLASHING ARROW PANEL MAY BE OMITTED WHEN STATED ELSEWHERE IN THE PLANS.

- 2. TYPICAL CHANNELIZING DEVICE IS THE 28" CONE. PLASTIC DRUMS MAY BE USED IF APPROVED BY THE ENGINEER. METAL DRUMS SHALL NOT BE USED AS A CHANNELIZING DEVICE OR SIGN SUPPORT.
- 3. ADVANCE SIGNS AND BARRICADES SHALL BE IN PLACE WHEN SIGNAL CONSTRUCTION OPERATIONS ARE IN PROGRESS. THE CONTRACTOR MAY REMOVE ADVANCE SIGNS AND BARRICADES WHEN NO CONSTRUCTION OPERATIONS ARE UNDERWAY IF PERMITTED ELSEWHERE IN THE PLANS. OBSTRUCTIONS OR HAZARDS AT THE WORK AREA SHALL BE CLEARLY MARKED AND DELINEATED AT ALL TIMES.
- 4. ALL HOLES, TRENCHES OR OTHER HAZARDOUS AREAS SHALL BE ADEQUATELY PROTECTED BY BARRICADES, LIGHTS OR OTHER PROTECTIVE DEVICES. TRENCHES SHALL BE COVERED OR SURROUNDED WITH ORANGE PLASTIC CONSTRUCTION FENCE AS DIRECTED BY THE ENGINEER.
- 5. FLAGGER AND FCW20-7A SIGN MAY BE REQUIRED ACCORDING TO FIELD CONDITIONS. VEHICLES PARKED IN ROADWAY SHALL BE EQUIPPED WITH TWO STROBES. HIGH LEVEL FLAGS AT CORNERS OF VEHICLE MAY ALSO BE USED. WORK OPERATIONS THAT REQUIRE WORK VEHICLE IN TRAVELED WAY 20 MINUTES OR LESS MAY USE CONES, HIGH LEVEL FLAGS AND STROBES AS ADVANCE WARNING DEVICES. CONES SHOULD ONLY BE PLACED AROUND VEHICLE. FLAGGERS MAY BE USED ON HIGH SPEED RURAL INTERSECTIONS.
- 6. REFER TO THE LATEST EDITION OF THE TEXAS MUTCD FOR RESTRICTING PEDESTRIAN MOVEMENTS AROUND CONSTRUCTION ACTIVITIES. ANY METHOD USED TO DETOUR PEDESTRIAN AROUND OR THROUGH A CONSTRUCTION ZONE SHALL BE ADA COMPLIANT.

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Project Number: 224720002 JN 18.01.19

Client/Project TOWN OF ADDISON DALLAS COUNTY, TEXAS

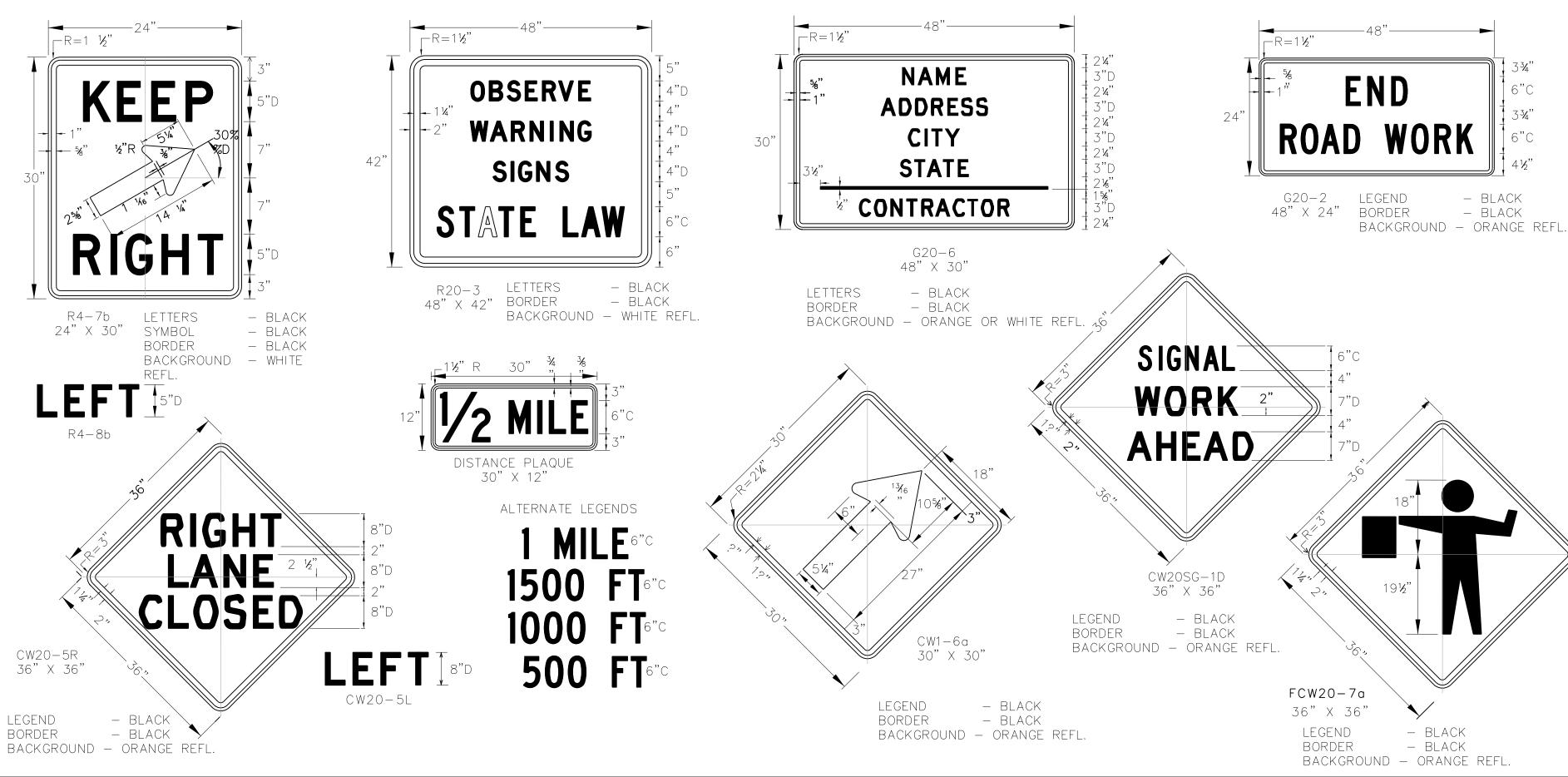
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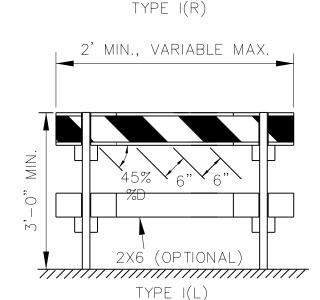
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ORIGINAL SHEET - ANSI D



### TYPE I BARRICADES

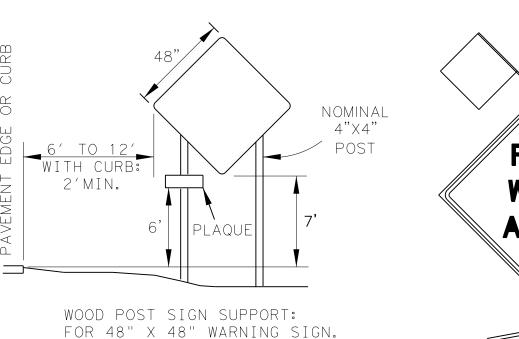
BARRICADES SHALL NOT BE USED FOR SIGN SUPPORT. 2' MIN., VARIABLE MAX. 2X6 (OPTIONAL) 

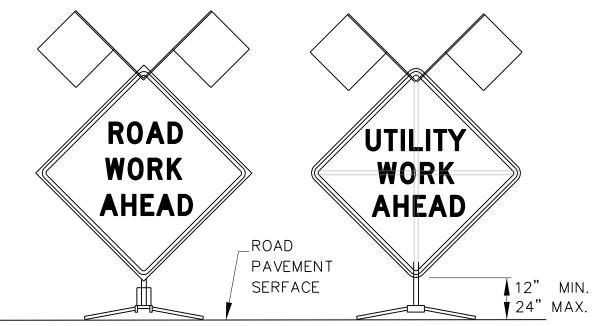


FOR TYPE 1 AND 2 BARRICADES, BOTH SIDES OF THE RAILS SHALL HAVE REFLECTIVE ORANGE AND REFLECTIVE WHITE STRIPING MEETING THE COLOR AND RETRO-REFLECTIVITY REQUIREMENTS OF DMS-8300 OR DMS-8310.

### TYPICAL SIGN SUPPORTS

### PORTABLE SUPPORTS





SIGNS ERECTED ON FIXED SUPPORTS SHALL BE AT A MINIMUM HEIGHT OF 7 FEET. EMBEDMENT DEPTH FOR WOOD SIGN SUPPORTS AND POST TYPE BARRICADES SHOULD BE 3 FEET MINIMUM, UNLESS SPECIFIED ELSEWHERE IN THE PLANS. DRIVEABLE SIGN SUPPORTS MAY BE USED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

NOMINAL

4"X4"

POST

6' TO 12'

2'MIN.

WOOD POST SIGN SUPPORT:

FOR 36" X 36" AND SMALLER

WARNING SIGNS, AND OTHER

SIGNS HAVING AN AREA NOT

EXCEEDING 10 SQ.FT.

WITH CURB:

FIXED SUPPORTS

#### GENERAL

ALL SIGN USAGE AND ERECTION SHALL BE IN STRICT ACCORDANCE WITH THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (TMUTCD) LATEST EDITION.

THE CONTRACTOR SHALL MAINTAIN EACH SIGN AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL USE THE SIGN DESIGNS SHOWN IN THE "STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS" (SHSD). ALL WORK ZONE SIGNS PROVIDED AND SHOWN IN THE TMUTCD BUT, NOT DETAILED IN THE PLANS MAY BE USED WHEN DIRECTED BY THE ENGINEER.

#### REFLECTIVE SHEETING

REFLECTORIZED SIGNS SHALL BE CONSTRUCTED OF SHEETING MEETING THE COLOR AND RETRO-REFLECTIVITY REQUIREMENTS OF DMS-8300 OR DMS-8310.

WHITE SHEETING, MEETING THE REQUIREMENTS OF DMS-8300 TYPE C (HIGH SPECIFIC INTENSITY) SHALL BE USED FOR SIGNS WITH WHITE BACKGROUND AND CHANNELIZING DEVICES.

ORANGE SHEETING, MEETING THE REQUIREMENTS OF DMS-8300 TYPE E (FLUORESCENT PRISMATIC), SHALL BE USED FOR SIGNS WITH ORANGE BACKGROUNDS.

#### SUPPORTS AND MOUNTING HEIGHT

CONSTRUCTION AREA.

TYPE OF SUPPORT USED, OR DURATION OF WORK, REGULATORY SIGNS SHOULD NOT BE ERECTED AT HEIGHTS LESS THAN 7 FEET ABOVE THE PAVEMENT SURFACE. THE CONTRACTOR SHALL FURNISH SIGN SUPPORTS LISTED IN THE "COMPLIANT WORK WOOD SIGN POST SUPPORTS ZONE TRAFFIC CONTROL DEVICE LIST" (CWZTCD). SHALL BE PAINTED WHITE.

SIGNS MAY BE ERECTED ON PORTABLE OR FIXED SUPPORTS FOR USE ON CONSTRUCTION PROJECTS TO WARN OR GUIDE TRAFFIC THROUGH AND/OR AROUND THE ACTUAL

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGN SUPPORTS AND SUBSTRATE MEET CRASHWORTHINESS AND LENGTH OF WORK REQUIREMENTS.

PORTABLE - SIGNS ERECTED ON PORTABLE SUPPORTS FOR USE ON CONSTRUCTION PROJECTS NORMALLY MEAN SIGNS WHICH ARE USED DURING THE DAYTIME TO WARN OR GUIDE TRAFFIC THROUGH AND/OR AROUND THE ACTUAL CONSTRUCTION AREA, BUT AT THE END OF THE WORKDAY SUCH SIGNS ARE REMOVED.

PORTABLE SUPPORTS SHALL BE AS SHOWN ON THIS SHEET. SIGNS WITH PORTABLE SUPPORTS MAY BE USED FOR SHORT TERM, SHORT DURATION AND MOBILE OPERATIONS. THE BOTTOM OF THE SIGN SHALL BE A MINIMUM OF ONE (1) FOOT ABOVE THE PAVEMENT SURFACE.

FIXED - SIGNS ERECTED ON FIXED SUPPORTS FOR USE ON CONSTRUCTION PROJECTS NORMALLY MEAN SIGNS THAT ARE TO REMAIN IN PLACE FOR BOTH DAYTIME AND NIGHTTIME USAGE TO REGULATE, WARN AND GUIDE TRAFFIC IN ADVANCE OF AND WITHIN THE LIMITS OF THE PROJECT INCLUDING THE CROSSROAD APPROACHES. SIGNS ERECTED ON FIXED SUPPORTS SHOULD BE AT A MINIMUM HEIGHT OF SEVEN (7) FEET.

### SIGN SUPPORT WEIGHTS

REQUIRE THE USE OF WEIGHTS TO KEEP FROM TURNING OVER, THE USE OF SOME TYPE OF SANDBAG IS RECOMMENDED. THE USE OF PIECES OF ROCK, CONCRETE, IRON, STEEL OR OTHER SOLID OBJECTS WILL NOT BE PERMITTED. SANDBAGS SHALL ONLY BE PLACED ALONG OR UPON THE BASE SUPPORTS OF THE DEVICE AND SHALL NOT BE SUSPENDED ABOVE GROUND LEVEL OR HUNG WITH ROPE, WIRE, CHAINS OR OTHER FASTENERS.

#### REMOVING OR COVERING

WHEN SIGN MESSAGES MAY BE CONFUSING OR NO LONGER APPLY, THE SIGNS AND SUPPORTS SHALL BE REMOVED FROM ROADWAY AND SHOULDER, OR THE SIGNS SHALL BE COMPLETELY COVERED. TURNING SIGNS FROM MOTORISTS VIEW WILL NOT BE ALLOWED. WHEN SIGNS ARE COVERED THE MATERIAL USED SHALL BE OPAQUE, SUCH AS HEAVY MIL BLACK PLASTIC. BURLAP SHALL NOT BE USED TO COVER SIGNS. SIGNS SHALL BE REMOVED UPON COMPLETION OF THE WORK.

DUCT TAPE OR OTHER ADHESIVE MATERIAL SHALL NOT BE AFFIXED TO SIGN FACE.

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TOWN OF ADDISON
DALLAS COUNTY, TEXAS

JACOB NIEMEIER 125019 2018-02-1

Jacob Miemeiez

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