

INDEX OF SHEETS

- COVER SHEET
- L0.01 TITLE SHEET
- MATERIALS AND OVERALL SITE PLAN
- L0.02 General Notes, Materials, Legend and Overall Site Plan
- DEMOLITION PLAN
- L1.01 Demolition Plan (South)
- L1.02 Demolition Plan (Middle)
- L1.03 Demolition Plan (North)
- DETAIL SHEET
- L4.01 Crosswalk Cutting and Staining Detail
- PLANTING PLAN
- L5.01 Planting Plan (South)
- L5.02 Planting Plan (Middle)
- L5.03 Planting Plan (North)
- CIVIL PLANS
- C1 General Notes
- C2 Traffic Control Plan
- C3 Erosion Control Plan
- C4 Horizontal Control Plan
- C5 Trail Plan - Sheet 1
- C6 Trail Plan - Sheet 2
- C7 Trail Plan - Sheet 3
- TXDOT STANDARDS
- PRD-13 Pedestrian Handrail Details
- TOWN OF ADDISON STANDARD DETAILS
- Contractor will obtain a set of the Town of Addison Standard Details available on the Town's Website.

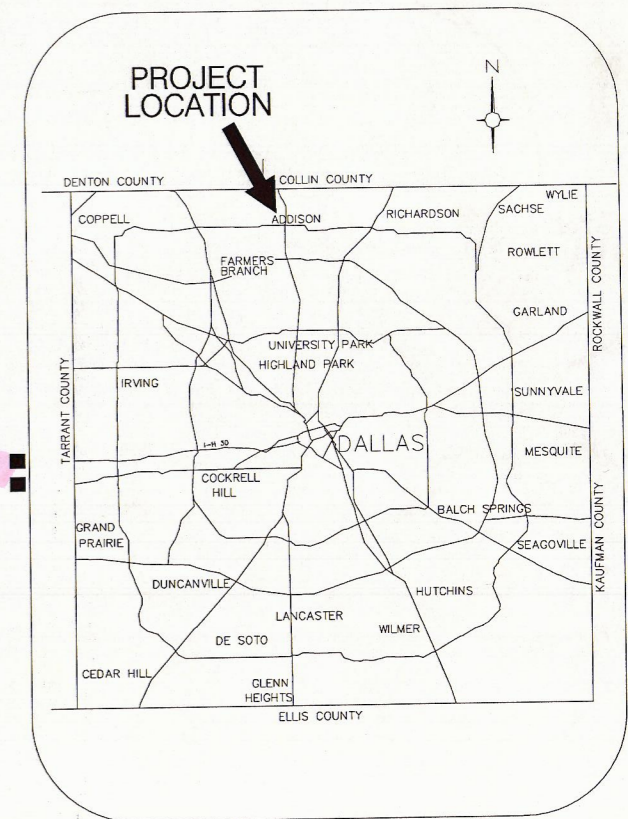
COUNTY OF DALLAS, TEXAS DEPARTMENT OF PUBLIC WORKS

MCIP PROJECT NO. 10304_2

ADDISON PEDESTRIAN CONNECTION PHASE 1:

FROM MORMAN LANE TO ARAPAHO ROAD

TOWN OF ADDISON
TEXAS



APPROVALS

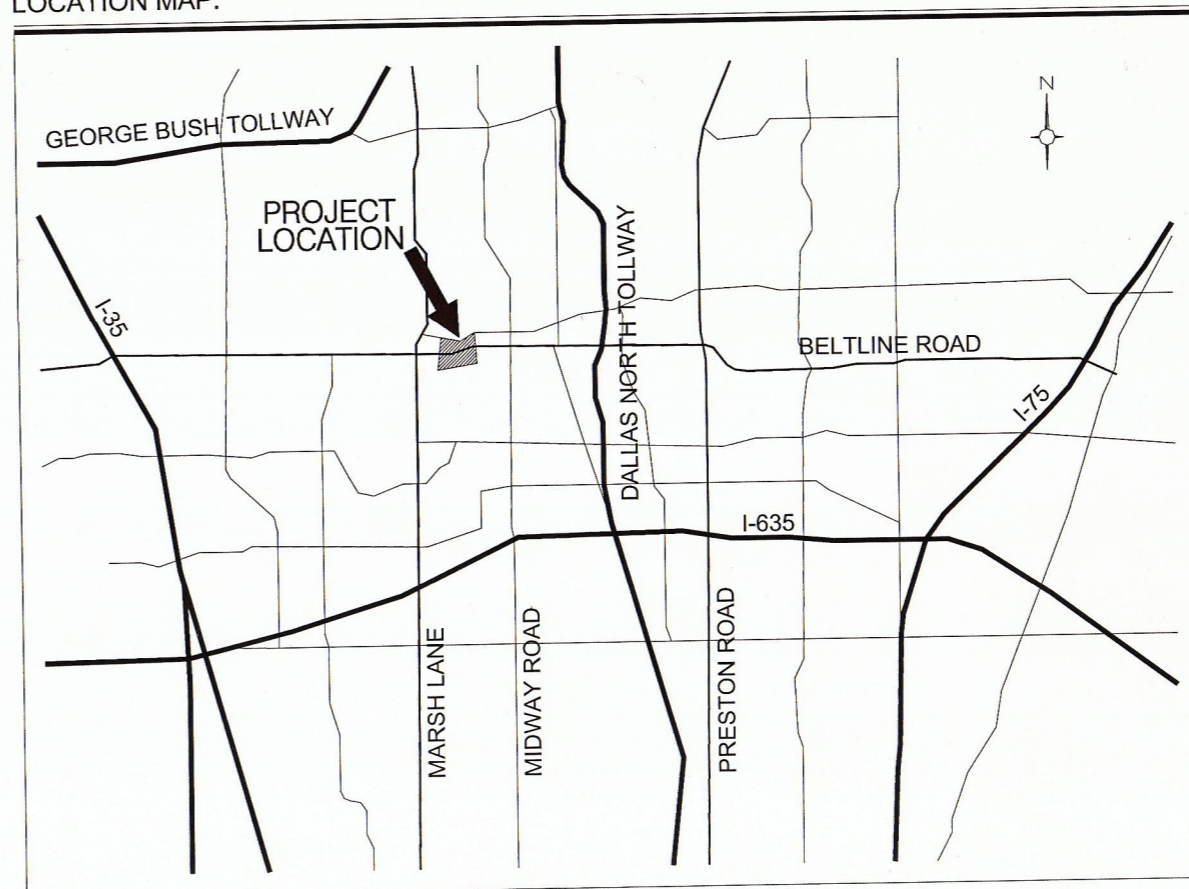
TOWN OF ADDISON
APPROVED: _____ .20
CITY MANAGER
Lea Dunn

COUNTY OF DALLAS
APPROVED: _____ .20
DIRECTOR OF PUBLIC WORKS
Alberta L. Blair, P.E.

MAYOR
TODD MEIER
MAYOR PRO TEM
BLAKE W. CLEMENS
DEPUTY MAYOR PRO TEM
JANELLE MOORE
CITY COUNCIL
BRUCE ARFSTEN MARY CARPENTER
CHRIS DeFRANCISCO DAVID HEAPE
CITY MANAGER
LEA DUNN

COUNTY OFFICIALS
COUNTY JUDGE
CLAY LEWIS JENKINS
COMMISSIONER DISTRICT NO. 1
THERESA M. DANIEL
COMMISSIONER DISTRICT NO. 2
MIKE CANTRELL
COMMISSIONER DISTRICT NO. 3
JOHN WILEY PRICE
COMMISSIONER DISTRICT NO. 4
DR. ELBA GARCIA

LOCATION MAP:



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY: P. CHRISTOPHER ROBINSON ON 6/24/14 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. GRANTHAM & ASSOCIATES F-005438

DESIGN TEAM

LANDSCAPE ARCHITECT:
MESA
1807 ROSS AVENUE SUITE 333
DALLAS, TX 75201
(214)871-0568

CIVIL ENGINEER:
GRANTHAM & ASSOCIATES, INC.
6570 NAAMAN FOREST BLVD.
SUITE 200 L.B. #2
GARLAND, TX 75044
(972)864-2333

GENERAL NOTES:

1. WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO NEW AND EXISTING UTILITIES THAT ARE TO BE REPAIRED IMMEDIATELY AT NO ADDITIONAL EXPENSE TO THE OWNER. MESA ASSUMES NO RESPONSIBILITY FOR ANY UTILITIES NOT SHOWN ON PLANS.
3. ALL PROPOSED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
4. PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, ALL PIERS, FOOTINGS, AND WALLS ARE TO BE SURVEYED, LAID OUT, AND STAKED IN THE FIELD FOR REVIEW BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DEMOLITION, ADJUSTMENTS, OR RECONSTRUCTION OF HARDSCAPE CONSTRUCTION RESULTING FROM UNAUTHORIZED CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL ALL ITEMS PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY MESA ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTORS ARE TO BID PER THEIR OWN VERIFIED QUANTITIES AND PER THE INTENT OF THE DRAWINGS. NOTIFY LANDSCAPE ARCHITECT OF ANY MAJOR DISCREPANCIES.
6. SITE EASEMENTS, BUILDING SETBACKS, BUILDING LOCATIONS, STREETS, PARKING LOTS AND UTILITIES HAVE BEEN SUPPLIED TO MESA BY THE PROJECT CIVIL ENGINEER. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.

CONCRETE NOTES:

See civil drawings for concrete notes

PLANTING NOTES: GRASS ESTABLISHMENT

1. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS PLANTATION AS SHOWN ON THE DRAWINGS.
3. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH OTHER CONTRACTORS ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.
4. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED WITH PLANT MATERIAL OF SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, DEAD AND/OR REMOVED.
5. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING AND REMOVAL OF DEBRIS AND UNWANTED VEGETATION PRIOR TO PLANTING IN ALL AREAS.
6. FINAL FINISHED GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL FRIABLE NATIVE BLACK CLAY TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION SUITABLE FOR PLANTING.
7. ALL QUANTITIES LISTED IN THE DRAWINGS ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES AND TO PROVIDE ALL MATERIALS NECESSARY FOR FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED ON THE DRAWINGS.

IRRIGATION NOTES

1. CONTRACTOR SHALL INVESTIGATE ALL EXISTING IRRIGATION COMPONENTS/ FLAG ALL HEADS, VALVE BOXES, AND OTHER IRRIGATION EQUIPMENT.
2. CONTRACTOR SHALL REROUTE EXISTING IRRIGATION SYSTEM TO FIT NEW TRAIL AND RELATED WORK/ MODIFY EXISTING SYSTEM TO PROVIDE IRRIGATION COVERAGE WITHIN AREAS THAT CURRENTLY HAVE AN IRRIGATION SYSTEM.
3. WITHIN ALL NON-IRRIGATED AREAS, CONTRACTOR SHALL PROVIDE TEMPORARY IRRIGATION BY TRUCK AND/OR HAND WATERING TO ESTABLISH NEW TURF (SOD OR SEED) AREAS.
4. ALL IRRIGATION SHALL CONFORM TO TOWN OF ADDISON IRRIGATION SPECIFICATION DETAILS DATED 05.09.2014.

GRADING NOTES

1. WRITTEN DIMENSIONS AND GRADES PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES AND LINE RUNS.
3. MESA DESIGN GROUP ASSUMES NO RESPONSIBILITY FOR ANY EXCAVATION OR GRADING SHOWN ON SURVEY'S OR CIVIL ENGINEER'S PLANS. ALL PROPOSED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNERS SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT AND/OR CIVIL ENGINEER IMMEDIATELY.
4. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY MESA DESIGN GROUP ARE PROVIDED FOR CONVENIENCE ONLY AND SHALL NOT BE CONSIDERED ABSOLUTE. LANDSCAPE ARCHITECT SHOULD BE NOTIFIED OF ANY GRADING DISCREPANCIES. CONTRACTORS ARE TO BID THEIR OWN VERIFIED QUANTITIES.
5. CONTRACTOR TO ENSURE THAT ALL GRADES COMPLY WITH ADA AND TAS STDS. LONGITUDINAL SLOPES MAX 4.9% AND CROSS SLOPES MAX 1.9%. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
6. AFTER CONSTRUCTION, CONTRACTOR TO ENSURE POSITIVE DRAINAGE AND NOTIFY LANDSCAPE ARCHITECT TO ANY DIFFICULTIES.

MATERIAL LEGEND:

CONCRETE PRODUCTS

C-1 STANDARD CONCRETE PAVING
 MANUFACTURER: LOCAL
 PRODUCT: STANDARD GRAY CONCRETE; 3000 PSI; LIGHT BROOM FINISH

BASE BID

C-2 STAINED CONCRETE PAVING
 SUPPLIER: SCOFIELD LITHOCHROME CHEMSTAIN. COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES. COLOR SUGGESTED: CS-14 "DARK WALNUT." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730.

C-3 STAINED ACCENT BAND CONCRETE PAVING
 SUPPLIER: SCOFIELD LITHOCHROME CHEMSTAIN. COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES. COLOR SUGGESTED: CS-15 "ANTIQUE AMBER." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730.

ADD ALTERNATE

C-4 INTEGRAL COLORED CONCRETE PAVING
 MANUFACTURER: LOCAL
 PRODUCT: INTEGRAL COLORED 8" THICK CONCRETE; SCOFIELD INTEGRAL COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES, FOLLOWED BY SCOFIELD LITHOCHROME COLORWAX. COLOR SUGGESTED: S6447-2 "ROAST CHESTNUT." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730. REFERENCE TOWN OF ADDISON STANDARD DETAILS FOR CONSTRUCTION.

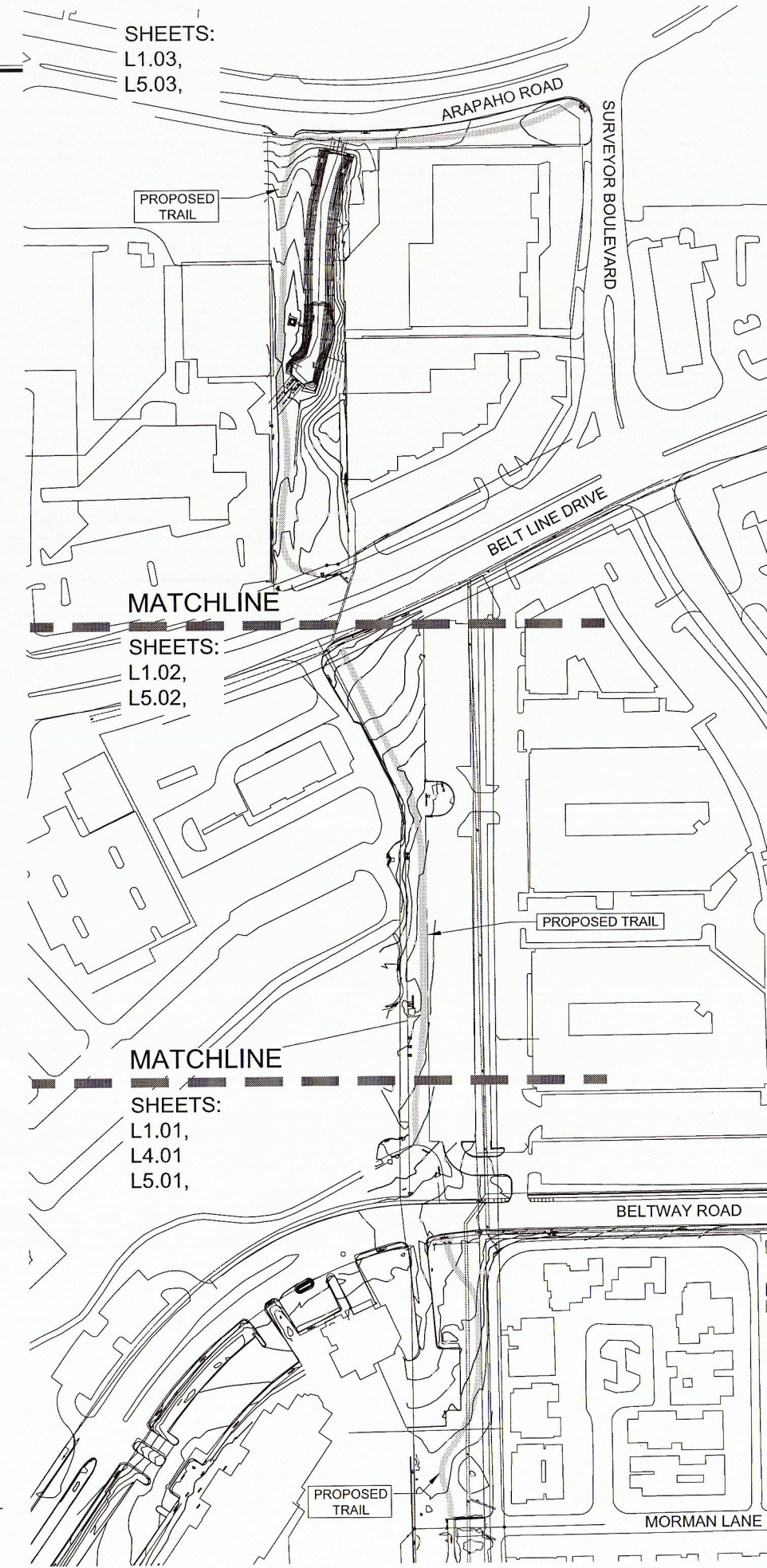
C-5 INTEGRAL COLORED ACCENT BAND CONCRETE PAVING
 MANUFACTURER: LOCAL
 PRODUCT: INTEGRAL COLOR 8" THICK CONCRETE; SCOFIELD INTEGRAL COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES, FOLLOWED BY SCOFIELD LITHOCHROME COLORWAX. COLOR SUGGESTED: S6447-2 "SCHONER BEIGE." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730. REFERENCE TOWN OF ADDISON STANDARD DETAILS FOR CONSTRUCTION.

CERAMIC PRODUCTS

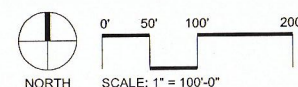
R-1 ROAD REFLECTOR
 MANUFACTURER: LOCAL
 PRODUCT: YELLOW CERAMIC 4" ROUND ROAD REFLECTOR

SYMBOLS LEGEND:

- CENTER LINE
- LIMIT OF WORK
- MATCHLINE
- P.O.B. POINT OF BEGINNING/ WORK POINT
- ENLARGEMENT REFERENCE
- DETAIL REFERENCE
- ELEVATION REFERENCE
- SECTION REFERENCE
- MATERIAL REFERENCE

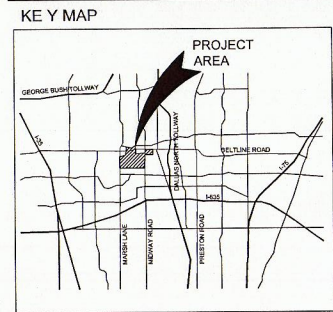


NOTE
 SHADED AREA FOR TRAIL AND APPROXIMATELY 10' EITHER SIDE OF TRAIL REPRESENTS THE GENERAL LIMITS OF WORK. REFER TO ALL GRADING SHEETS FOR ACCURATE LIMITS OF DISTURBANCE AND CORRESPONDING LIMITS OF WORK.



Overall Site Plan
 Scale: 1" = 100'-0"
L0.02

1807 Ross Ave,
 Suite 333
 Dallas, Texas 75201
 214.871.0568 tel
 214.871.1507 fax
 mesadesigngroup.com



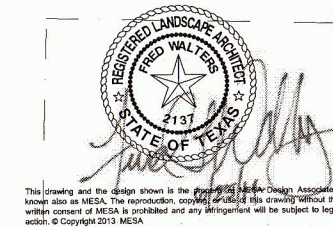
Project Name

Addison Pedestrian Connection
 Addison, TX.
 Project No: 14002

Issue Title

Bid Documents
 Issue Date: 06.04.2014

Seal



Issue / Addenda / Revisions

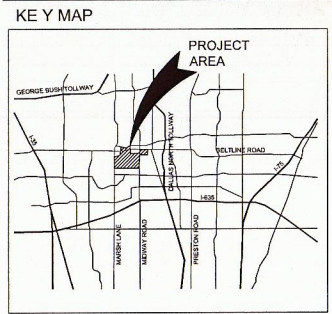
Date	Description
02.14.2014	90% Review
06.04.2014	100% Review
06.25.2014	100% Review- Town Comments

Drawing Title

Addison Pedestrian Connection: Phase 1 General Notes, Materials, Legend and Overall Site Plan

Sheet No.

L0.02



Project Name

**Addison
Pedestrian
Connection**

Addison, TX.
Project No: 14002

Issue Title

Bid Documents

Issue Date: 06.04.2014

Seal



This drawing and the design shown is the property of MESA Design Associates, known also as MESA. The reproduction, copying or use of this drawing without the written consent of MESA is prohibited and any infringement will be subject to legal action. © Copyright 2013 MESA

Issue / Addenda / Revisions

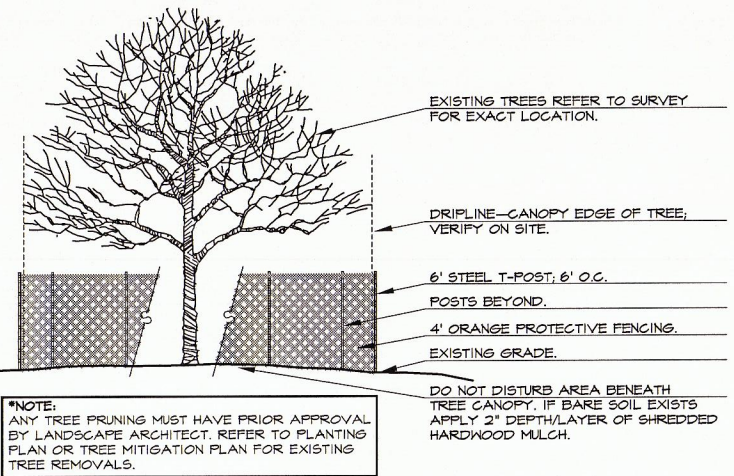
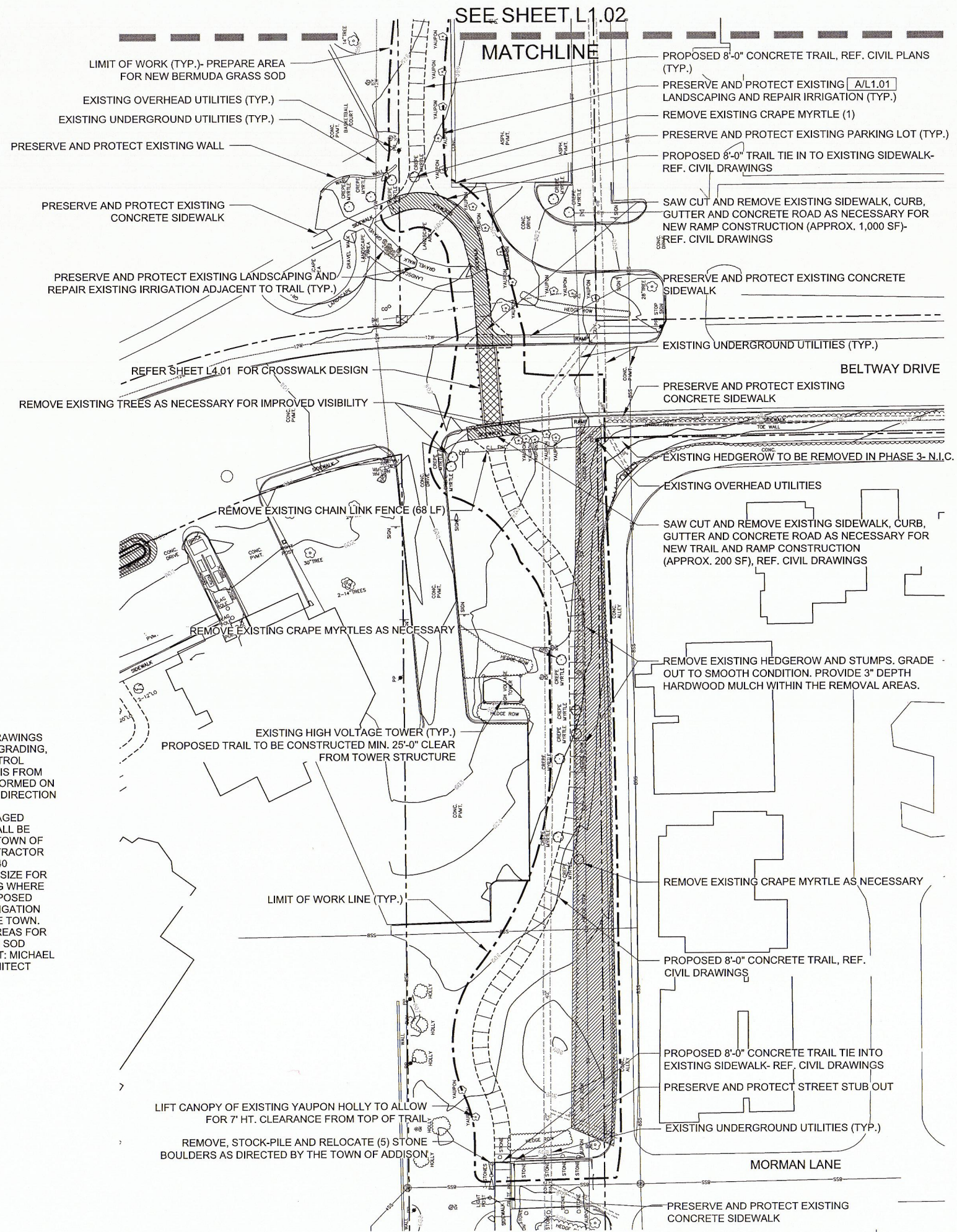
Date	Description
02.14.2014	90% Review
06.04.2014	100% Review
06.25.2014	100% Review- Town Comments

Drawing Title

**Addison Pedestrian
Connection: Phase 1
Demolition Plan
(South)**

Sheet No.

L1.01



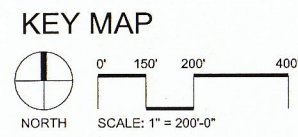
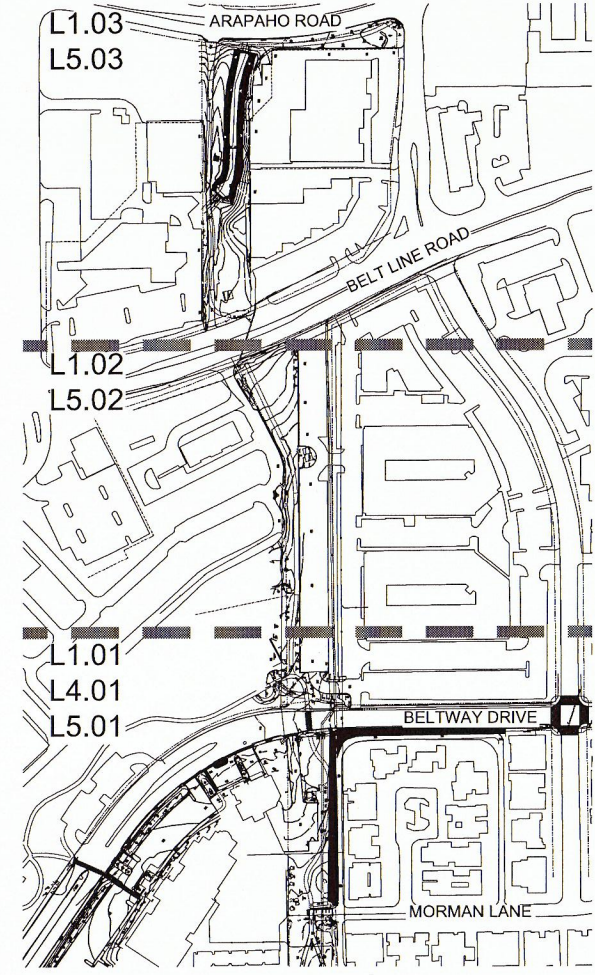
Tree Preservation Detail A

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

L1.01

NOTES:

1. REFER CIVIL ENGINEER'S DRAWINGS FOR TRAIL CONSTRUCTION, GRADING, TRAFFIC AND EROSION CONTROL SHEETS. CLEAN-UP OF DEBRIS FROM DEMOLITION SHALL BE PERFORMED ON A DAILY BASIS AND PER THE DIRECTION OF THE TOWN OF ADDISON.
2. ANY IRRIGATION LINES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR CAPPED PER TOWN OF ADDISON DISCRETION. CONTRACTOR SHALL PROVIDE SCHEDULE 40 SLEEVING OF APPROPRIATE SIZE FOR EXISTING PIPING AND WIRING WHERE SYSTEM CROSSES THE PROPOSED TRAIL AND COORDINATE IRRIGATION HEAD RELOCATION WITH THE TOWN.
3. PREPARE ALL DISTURBED AREAS FOR THE INSTALLATION OF SOLID SOD
4. TOWN OF ADDISON CONTACT: MICHAEL KASHUBA, LANDSCAPE ARCHITECT 972.450.2831



Demolition Plan (South)

Scale: 1" = 30'-0"

L1.01

NOTES: PEDESTRIAN CROSSWALK
BASE BID SHALL INCLUDE THE FOLLOWING:

1. POWER WASH AND CLEAN APPROX. 400 SF EXISTING CONCRETE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS FOR STAIN APPLICATION
2. SAW CUT CONCRETE AS NOTED ON PLAN ENLARGEMENT THIS SHEET
3. APPLY CHEMICAL STAIN (2 COLOR) AS DESCRIBED ON PLAN ENLARGEMENT THIS SHEET

ADD ALTERNATE:

1. SAW CUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PER CIVIL ENGINEER'S TRAFFIC SAFETY PLAN AND SPECIFICATIONS
2. PLACE AND FINISH INTEGRAL COLORED CONCRETE AS DESCRIBED ON PLAN ENLARGEMENT THIS SHEET PER TOWN OF ADDISON STANDARD DETAILS FOR CONSTRUCTION.
3. APPLY COLOR WAX CURING COMPOUND PER MANUFACTURER'S SPECIFICATIONS

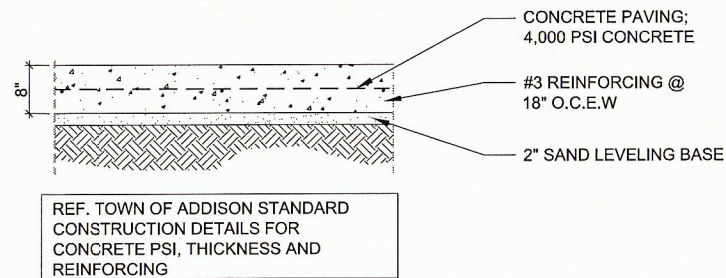
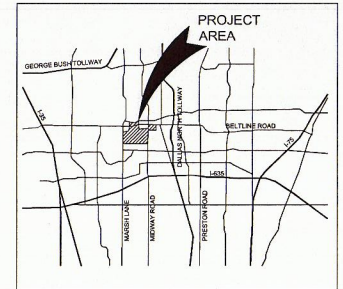
NOTES:

SEE CIVIL ENGINEER'S PLANS FOR BOLLARDS, PEDESTRIAN TRAIL SIGNS, STOP BARS, RUMBLE STRIPS AND PEDESTRIAN/VEHICULAR SIGNAGE.

1807 Ross Ave,
 Suite 333
 Dallas, Texas 75201
 214.871.0568 tel
 214.871.1507 fax
 mesadesigngroup.com



KEY MAP



ADD ALTERNATE- INTERGRAL COLOR CONCRETE | **A**
 Scale: 3/4" = 1'-0" | **L4.01**

CONCRETE PRODUCTS

C-1 STANDARD CONCRETE PAVING
 MANUFACTURER: LOCAL
 PRODUCT: STANDARD GRAY CONCRETE; 3000 PSI; LIGHT BROOM FINISH

BASE BID
C-2 STAINED CONCRETE PAVING
 SUPPLIER: SCOFIELD LITHOCHROME CHEMSTAIN. COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES. COLOR SUGGESTED: CS-14 "DARK WALNUT." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730.

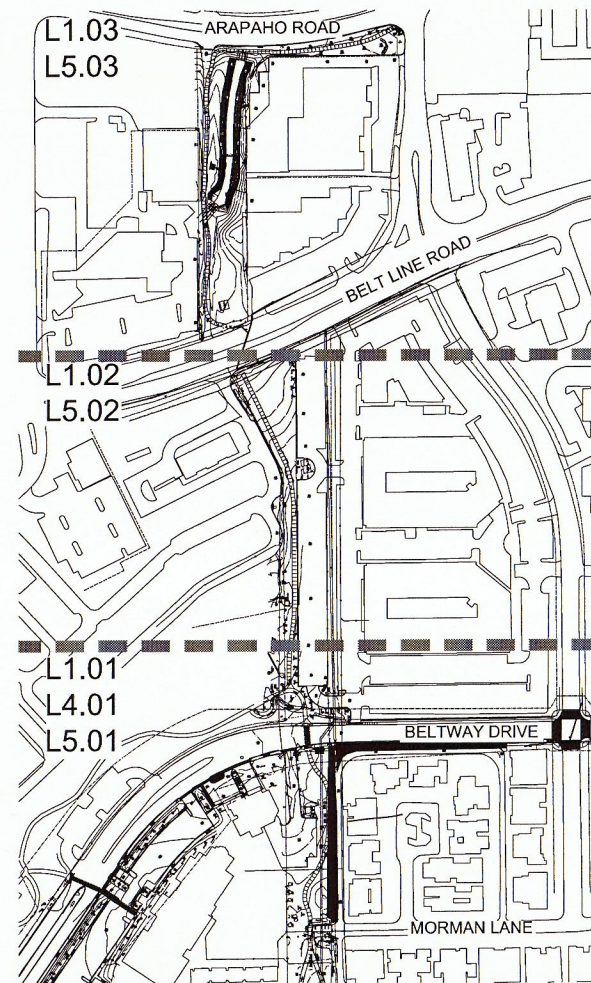
C-3 STAINED ACCENT BAND CONCRETE PAVING
 SUPPLIER: SCOFIELD LITHOCHROME CHEMSTAIN. COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES. COLOR SUGGESTED: CS-15 "ANTIQUE AMBER." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730.

ADD ALTERNATE
C-4 INTEGRAL COLORED CONCRETE PAVING
 MANUFACTURER: LOCAL
 PRODUCT: INTEGRAL COLORED 8" THICK CONCRETE; SCOFIELD INTEGRAL COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES, FOLLOWED BY SCOFIELD LITHOCHROME COLORWAX. COLOR SUGGESTED: S0677-4 "ROAST CHESTNUT." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730. REFERENCE TOWN OF ADDISON STANDARD DETAILS FOR CONSTRUCTION.

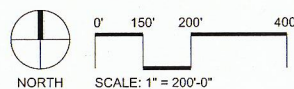
C-5 INTEGRAL COLORED ACCENT BAND CONCRETE PAVING
 MANUFACTURER: LOCAL
 PRODUCT: INTEGRAL COLOR 8" THICK CONCRETE; SCOFIELD INTEGRAL COLOR TO BE SELECTED AFTER MOCK-UP SAMPLES, FOLLOWED BY SCOFIELD LITHOCHROME COLORWAX. COLOR SUGGESTED: S0447-2 "SCHÖONER BEIGE." APPLY PER MANUFACTURER'S SPECIFICATIONS. LOCAL SCOFIELD REP. JIM ORELLA 972.839.3730. REFERENCE TOWN OF ADDISON STANDARD DETAILS FOR CONSTRUCTION.

CERAMIC PRODUCTS

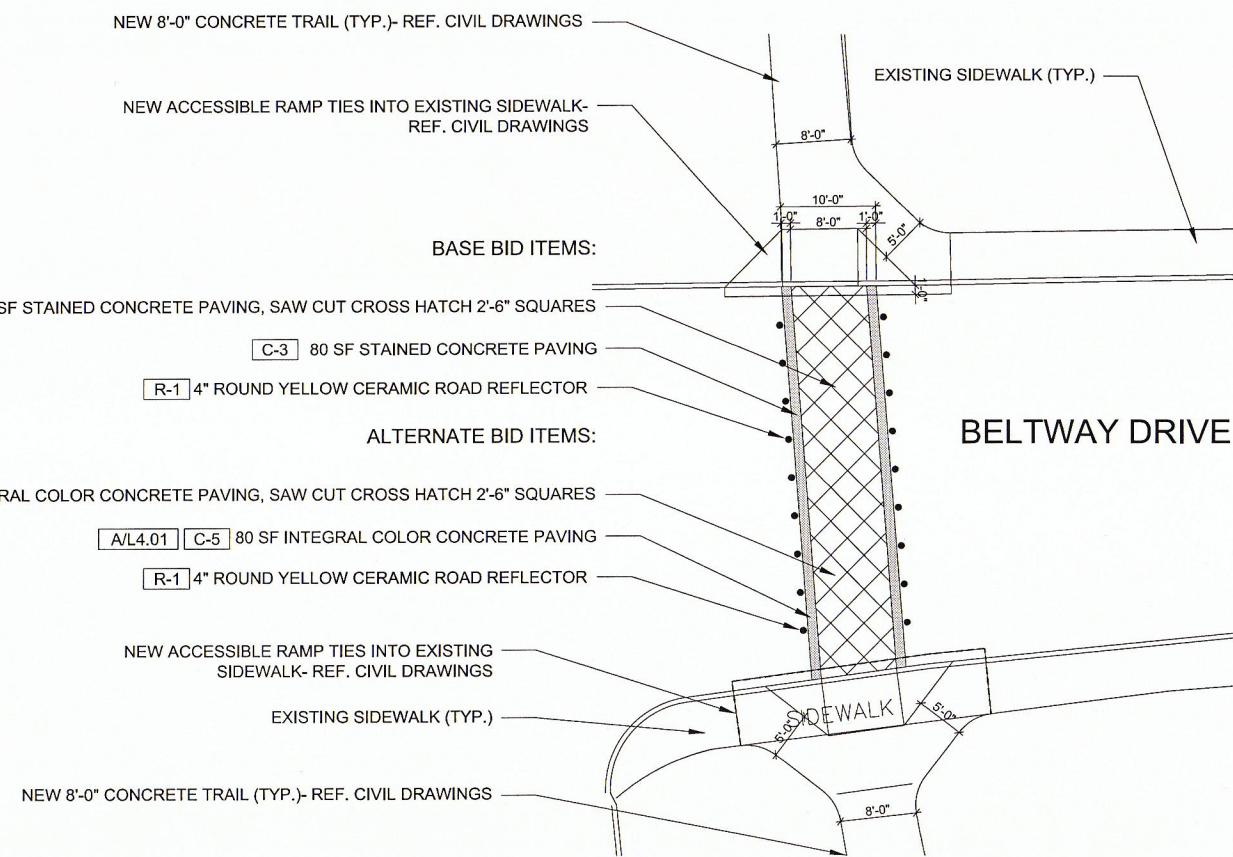
R-1 ROAD REFLECTOR
 MANUFACTURER: LOCAL
 PRODUCT: YELLOW CERAMIC 4" ROUND



KEY MAP



NOTE: SAW CUT ALL JOINTS SHOWN TO DEMARCATATE CROSSWALK. ALL JOINTS TO BE CHALKED IN THE FIELD FOR APPROVAL BY LANDSCAPE ARCHITECT AND TOWN OF ADDISON PRIOR TO CUTTING. CONTACT MICHAEL KASHUBA, TOWN OF ADDISON LANDSCAPE ARCHITECT: 972.450.2831.



- BASE BID ITEMS:**
- C-2** 317 SF STAINED CONCRETE PAVING, SAW CUT CROSS HATCH 2'-6" SQUARES
 - C-3** 80 SF STAINED CONCRETE PAVING
 - R-1** 4" ROUND YELLOW CERAMIC ROAD REFLECTOR
- ALTERNATE BID ITEMS:**
- A/L4.01 C-4** 317 SF INTEGRAL COLOR CONCRETE PAVING, SAW CUT CROSS HATCH 2'-6" SQUARES
 - A/L4.01 C-5** 80 SF INTEGRAL COLOR CONCRETE PAVING
 - R-1** 4" ROUND YELLOW CERAMIC ROAD REFLECTOR

Crosswalk Sawing and Staining Detail

Scale: 1" = 10'-0" | **L4.01**

Project Name

Addison Pedestrian Connection

Addison, TX.
 Project No: 14002

Issue Title

Bid Documents

Issue Date: 06.04.2014

Seal



This drawing and the design shown is the property of MESA Design Associates, known also as MESA. The reproduction, copying or use of this drawing without the written consent of MESA is prohibited and any infringement will be subject to legal action. © Copyright 2013 MESA

Issue / Addenda / Revisions


Date	Description
02.14.2014	90% Review
06.04.2014	100% Review
06.25.2014	100% Review- Town Comments

Drawing Title

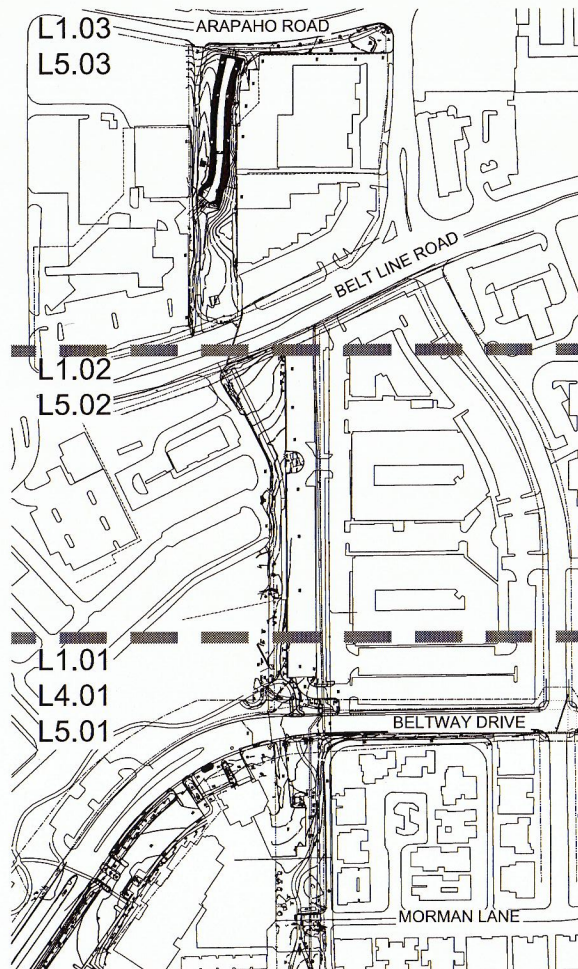
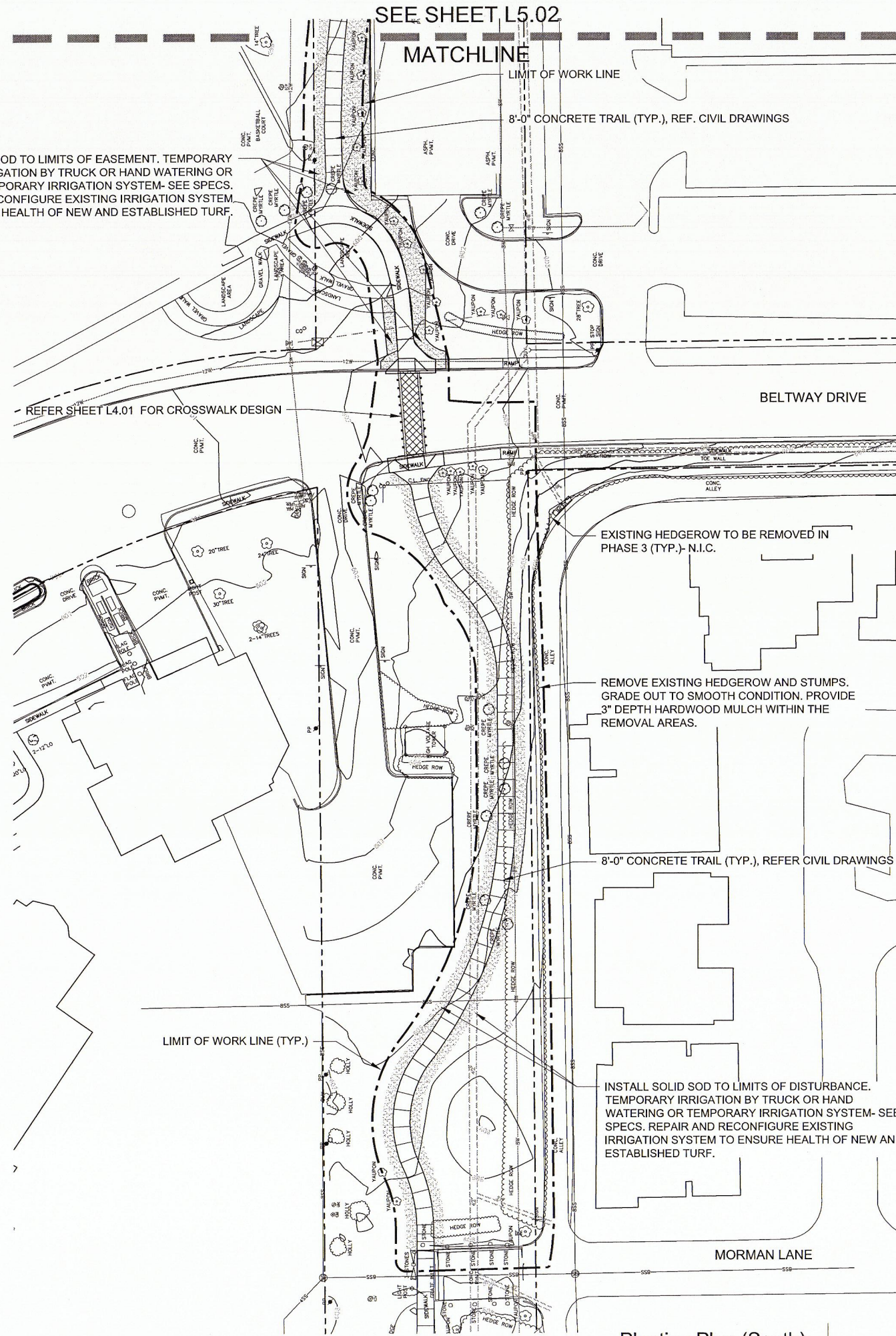
Addison Pedestrian Connection: Phase 1 Crosswalk Sawing and Staining Detail

Sheet No.

L4.01

LANDSCAPE LEGEND	
SOLID SOD	
	BERMUDA GRASS SOD OR APPROVED EQUAL

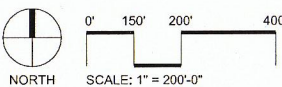
INSTALL SOLID SOD TO LIMITS OF EASEMENT. TEMPORARY IRRIGATION BY TRUCK OR HAND WATERING OR TEMPORARY IRRIGATION SYSTEM- SEE SPECS. REPAIR AND RECONFIGURE EXISTING IRRIGATION SYSTEM TO ENSURE HEALTH OF NEW AND ESTABLISHED TURF.



NOTE:

CONTRACTOR IS RESPONSIBLE FOR ALL AREAS DISTURBED DURING CONSTRUCTION, WHETHER DEPICTED IN PLANS OR NOT. SEEDING/SODDING AND WATERING SHALL BE INCLUDED IN BID TO ENSURE STABILIZATION OF GROUND PLANE RESULTING FROM CONSTRUCTION. ANY IRRIGATION LINES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR CAPPED PER TOWN OF ADDISON DISCRETION. CONTRACTOR SHALL PROVIDE SCHEDULE 40 SLEEVING OF APPROPRIATE SIZE FOR EXISTING PIPING AND WIRING WHERE SYSTEM CROSSES THE PROPOSED TRAIL AND COORDINATE IRRIGATION HEAD RELOCATION WITH THE TOWN.

KEY MAP

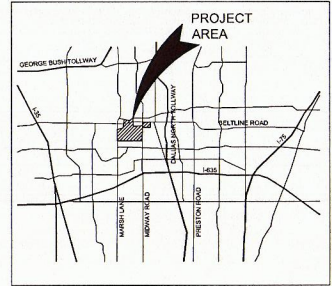


Planting Plan (South)

Scale: 1" = 30'-0"

L5.01

KEY MAP



Project Name

**Addison
Pedestrian
Connection**

Addison, TX.
Project No: 14002

Issue Title

Bid Documents

Issue Date: 06.04.2014

Seal



This drawing and the design shown is the property of MESA Design Associates, known also as MESA. The reproduction, copying or use of this drawing without the written consent of MESA is prohibited and any infringement will be subject to legal action. © Copyright 2013 MESA

Issue / Addenda / Revisions

Date	Description
02.14.2014	90% Review
06.04.2014	100% Review
06.25.2014	100% Review- Town Comments

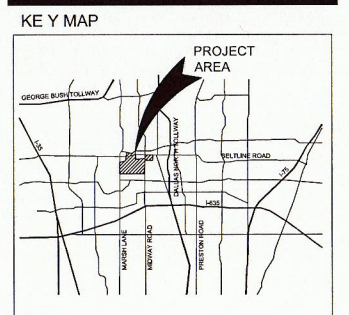
Drawing Title

**Addison Pedestrian
Connection: Phase 1
Planting Plan (South)**

Sheet No.

L5.01

1807 Ross Ave,
Suite 333
Dallas, Texas 75201
214.871.0568 tel
214.871.1507 fax
mesadesigngroup.com

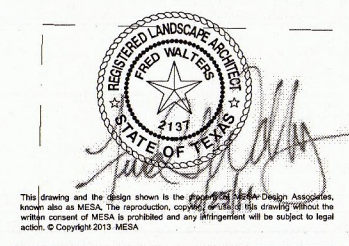


Project Name
Addison Pedestrian Connection
Addison, TX.
Project No: 14002

Issue Title

Bid Documents
Issue Date: 06.04.2014

Seal



Issue / Addenda / Revisions

Date	Description
02.14.2014	90% Review
06.04.2014	100% Review
06.25.2014	100% Review- Town Comments

Drawing Title

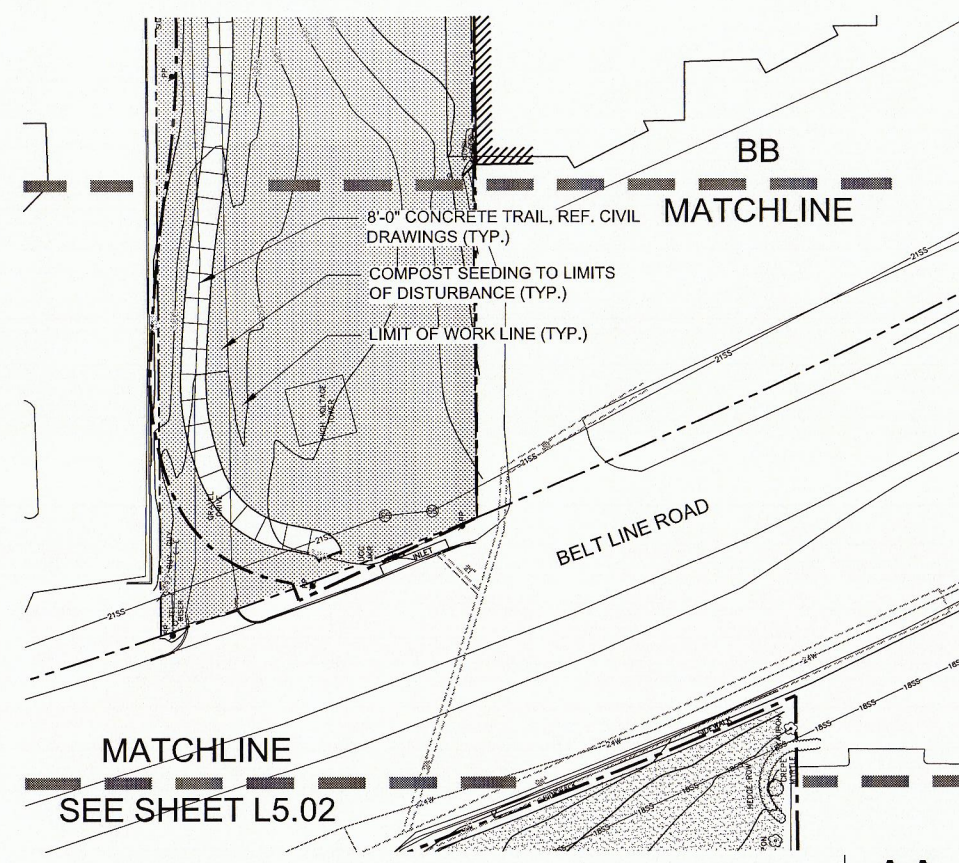
Addison Pedestrian Connection: Phase 1 Planting Plan (North)

Sheet No.

L5.03

PLANT QUANTITY	PLANT SYMBOL	COMMON NAME BOTANICAL NAME	COMMENTS
62,000 SF	[Symbol]	BERMUDA GRASS SOD (IRRIGATED)	REFER TO LANDSCAPE NOTES AND SPECIFICATIONS
37,000 SF	[Symbol]	HABITURF COMPOST SEEDING	REFER TO LANDSCAPE NOTES AND SPECIFICATIONS

NOTE: ALL QUANTITIES ARE APPROXIMATE AND PROVIDED AS A CONVENIENCE ONLY. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN VERIFIED BID QUANTITIES.

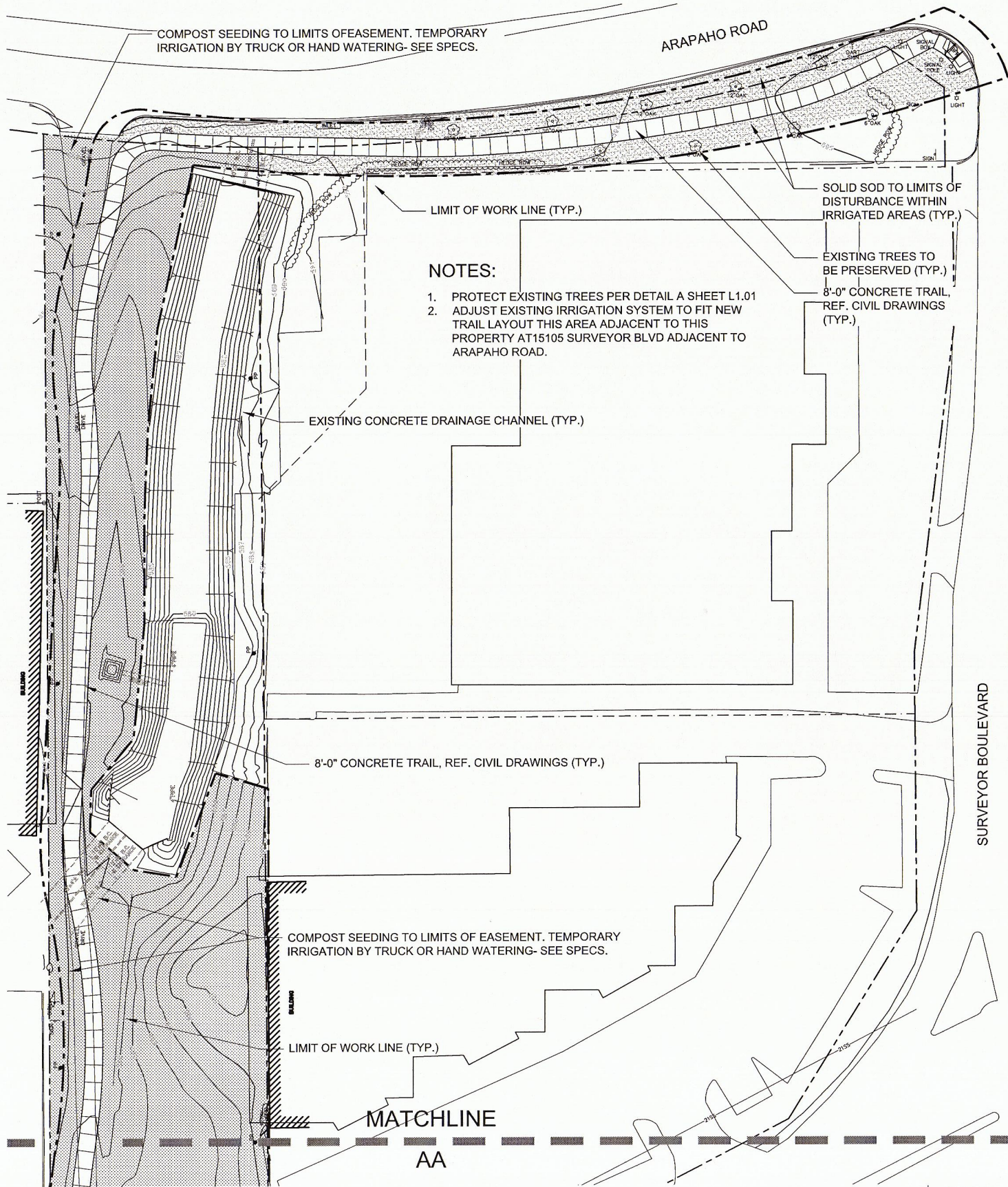
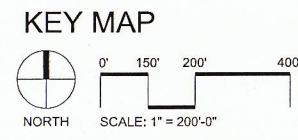
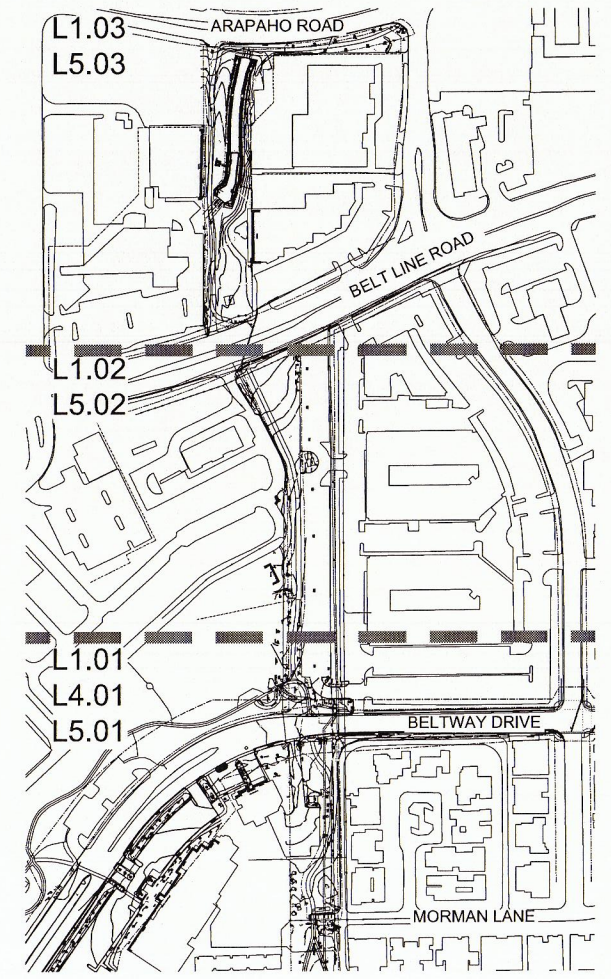


Planting Plan (North) AA

Scale: 1" = 30'-0"

NOTE:

CONTRACTOR IS RESPONSIBLE FOR ALL AREAS DISTURBED DURING CONSTRUCTION, WHETHER DEPICTED IN PLANS OR NOT. SEEDING/SODDING AND WATERING SHALL BE INCLUDED IN BID TO ENSURE STABILIZATION OF GROUND PLANE RESULTING FROM CONSTRUCTION. ANY IRRIGATION LINES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR CAPPED PER TOWN OF ADDISON DISCRETION. CONTRACTOR SHALL PROVIDE SCHEDULE 40 SLEEVING OF APPROPRIATE SIZE FOR EXISTING PIPING AND WIRING WHERE SYSTEM CROSSES THE PROPOSED TRAIL AND COORDINATE IRRIGATION HEAD RELOCATION WITH THE TOWN.



Planting Plan (North) BB

Scale: 1" = 30'-0"

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS OF THE TOWN OF ADDISON AND GOVERNED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT'S (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 3RD EDITION.
- IN CASE OF CONFLICT OR CONTRADICTIONS BETWEEN THE CONSTRUCTION STANDARDS OF THE TOWN OF ADDISON AND THE NCTCOG SPECIFICATIONS, THE CONSTRUCTION STANDARDS OF THE TOWN OF ADDISON PRESIDE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR LOCATION. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES.
- WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE TOWN AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
- FOR FRANCHISE UTILITY LOCATOR SERVICES, CALL TEXAS 811.
- THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, IRRIGATION, SODDING OR SEEDING, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES RESULTING FROM CONSTRUCTION WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL EXCESS EXCAVATED MATERIAL AND STRIPPINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A PROPER MANNER OFF THE PROJECT SITE.

SAFETY

- ALL CONTRACTORS AND DEVELOPERS, WITH THEIR EMPLOYEES AND AGENTS, SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY LAWS AND REGULATIONS INCLUDING BUT NOT LIMITED TO THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, ORDINANCES, RULES, REGULATIONS AND ORDERS OR ANY PUBLIC AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING PROVIDING AND MAINTAINING SIGNS IN ACCORDANCE WITH THE MOST CURRENT BARRICADE AND CONSTRUCTION STANDARDS FROM THE TEXAS MANUAL OF UNIFORM CONTROL DEVICES (AND OTHER SUCH BARRICADES AND SIGNS AS DEEMED NECESSARY BY THE TOWN ENGINEER), PROMULGATED SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES. SAFETY PRECAUTIONS SHALL INCLUDE BUT NOT BE LIMITED TO COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL STANDARDS, LAWS, ORDINANCES AND STANDARDS FOR DESIGN AND IMPLEMENTATION OF TRENCH SAFETY, CONFINED SPACE, TRAFFIC CONTROL, AND UTILITY NOTIFICATION.

PAVING - GENERAL NOTES

- REINFORCED CONCRETE PAVEMENT:
 - CONCRETE STRENGTH SHALL BE AS SHOWN IN ITEM 3 (NCTCOG LATEST EDITION).
 - ALL CURBS SHALL BE INTEGRAL WITH PAVEMENT AND SHALL BE OF THE SAME STRENGTH AS CONCRETE PAVEMENT.
 - DETAIL AND ARRANGEMENT OF PAVEMENT JOINTS, ALL TYPES, SHALL BE AS SHOWN ON THE TOWN STANDARD CONSTRUCTION DETAILS UNLESS OTHERWISE NOTED.
 - BAR LAPS SHALL BE THIRTY DIAMETERS.
 - REINFORCING STEEL SHALL BE AS SHOWN ON THE TOWN STANDARD CONSTRUCTION DETAILS UNLESS OTHERWISE NOTED.
- REBAR SHALL BE SUPPORTED BY BAR CHAIRS OR OTHER DEVICES APPROVED BY TOWN ENGINEER.
- PAVEMENT THICKNESS AND STRENGTHS SHALL BE AS FOLLOWS:

STREET - 8" CLASS "P1" OR "P2,"
SIDEWALK AND BFR'S-6"-CLASS "A"
- CONCRETE MIX DESIGN SHALL BE AS DEFINED BY NCTCOG 303.3.
- 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.
- ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%
- SPACING AND CONSTRUCTION OF JOINTS SHALL CONFORM TO TOWN OF ADDISON CONCRETE SIDEWALK EXPANSION JOINT DETAIL UNLESS OTHERWISE NOTED.
- ALL SIDEWALK REINFORCEMENT SHALL BE #3 STEEL 24" O.C. (TRANSVERSE) 18" O.C. (LONGITUDINAL).
- 1-INCH CUSHION SAND REQUIRED ON SUBGRADE COMPACTED WITHIN 95% STANDARD PROCTOR DENSITY.
- POURS SHALL REQUIRE A PRE-POUR INSPECTION FOR FORMWORK, REINFORCEMENT AND GEOMETRY. VISUAL INSPECTIONS MAY BE MADE AFTER THE POUR TO ADDRESS TOoled JOINTS, FINISH, SUBGRADE INTEGRITY, ETC.
- ENSURE THAT FLATWORK DOES NOT OBSCURE ABOVE-GROUND APPURTENANCES (I.E. VALVES, MH LIDS)
- EXPOSED AGGREGATE CONCRETE IS NOT ACCEPTABLE FOR SIDEWALK WITHIN PUBLIC RIGHT-OF-WAY.
- FOR CURB DETAIL SEE CURB AND GUTTER & ASPHALT PAVING CROSS SECTION

SURVEY LEGEND:

○ CO	☒ MAILBOX	● PP	○ CREPE MYRTLE
① TELEPHONE MH	☒ SIGNAL BOX	⊕ LAMP POST	○ MISC. TREE
ⓔ ELECTRIC MH	☒ TELEPHONE RISER	⊗ WATER VALVE	● PINE TREE
Ⓢ SANITARY SEWER MH	⊗ IRRIGATION CONTROL VALVE	⊗ WATER METER	● HACKBERRY TREE
Ⓢ STORM DRAIN MH	⊗ GAS METER	○ OAK TREE	● ASH TREE
Ⓢ GAS MH	⊗ FIRE HYDRANT	● PECAN TREE	● CEDAR TREE
⊖ STREET SIGN	⊗ MISC. MH		

GENERAL NOTES FOR PEDESTRIAN FACILITIES

- ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
- LANDINGS SHALL BE 5'X5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
- MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE A MINIMUM OF 4'X4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
- MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%
- CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, EITHER BECAUSE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR BECAUSE THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED. OTHERWISE, PROVIDE FLARED SIDES.
- ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND 16 TAC §68.102.
- CURB RAMPS SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE TOWN ENGINEER.
- HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. PROVIDE CURB RAMPS WHEREVER ON ACCESSIBLE ROUTE CROSSES (PENETRATES) A CURB.
- FLARE SLOPE SHALL NOT EXCEED 10% MEASURED ALONG CURB LINE.
- BARRIER FREE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS).
- ALL BARRIER FREE RAMPS MUST PASS AN INDEPENDENT INSPECTION. A LETTER OF COMPLIANCE ACCEPTANCE IS REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE TOWN OF ADDISON.
- STREETS ON STEEP GRADE WILL REQUIRE LONGER TRANSITION ON UPGRADE SIDE.
- MAXIMUM SLOPE ON RAMP PORTION SHALL NOT EXCEED 1" PER FOOT AT ANY LOCATION. VERTICAL DISTANCE BETWEEN STREET AND RAMP SHALL NOT EXCEED 4".

GENERAL NOTES FOR DETECTABLE WARNINGS

- CURB RAMPS MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSIST OF RAISED TRUNCATED DOMES COMPLYING WITH SECTION 4.29 OF THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH THE ADJOINING SURFACES, INCLUDING SIDE FLARES. FURNISH DARK RED COLORED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE AND CREAM COLORED DETECTABLE WARNING SURFACE ADJACENT TO DARK RED COLORED BRICK PAVERS.
- DETECTABLE WARNING SURFACES MUST BE SLIP RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
- ALIGN TRUNCATED DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE STREET.
- DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL, AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
- DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS A MINIMUM OF 6" AND A MAXIMUM OF 8" FROM THE EXTENSION OF THE FACE OF CURB AND SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.

GENERAL NOTES FOR DETECTABLE WARNING PAVEMENT UNITS

- DETECTABLE WARNING PAVEMENT UNITS SHALL MEET OR EXCEED ALL REQUIREMENTS OF ASTM C-936, C-33, AND BE LAID IN A TWO BY TWO UNIT BASKET WEAVE PATTERN OR AS DIRECTED.
- LAY FULL-SIZE UNITS FIRST FOLLOWED BY CLOSURE UNITS CONSISTING OF AT LEAST 25 PERCENT OF A FULL UNIT. CUT DETECTABLE WARNING PAVEMENT UNITS USING A POWER SAW.

EROSION CONTROL PLAN NOTES

- 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 1500000 ISSUED AND DATED MARCH 5, 2003.
- THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY PREPARED AND 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.
- 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 THE PROJECT.
- 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.
- ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES OR 25%.
- THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
- 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 SPECIFICATION.

EROSION CONTROL PLAN NOTES CONT'D

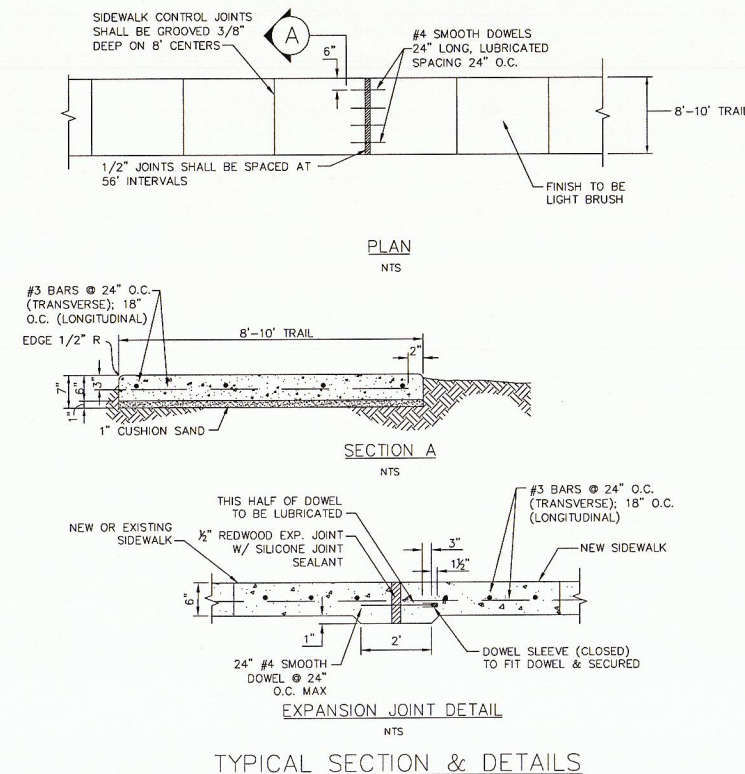
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
- CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO LANDFILL BY THE CONTRACTOR.
- ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SILT FENCE NOTES

- POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18 INCHES.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
- 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.
- 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.

CIVIL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL
C-1	Barricading and Traffic Control	LS	1
C-2	Erosion Control & SWPPP Preparation	LS	1
C-3	Saw cut, Remove & Dispose Concrete Curb & Gutter	LF	78
C-4	Saw cut, Remove & Dispose Concrete Sidewalk	SY	116
C-5	Unclassified Excavation	LS	1
C-6	Construct 6" Class "A" Reinforced Concrete Trail	SY	1,993
C-7	Construct Barrier Free Ramp	SY	35
C-8	Furnish and Install Traffic Sign	EA	6
C-9	Furnish and Install Yield Line Markings	LF	41
C-10	Relocate Traffic Signal Box, Conduit and Wire	EA	1
C-11	Furnish and Install TxDOT Type C Pedestrian Rail Painted Black	LF	148
C-12	Furnish and Install Removable Bollard	EA	12
C-13	Furnish and Install Project Sign	EA	2



Grantham & Associates, Inc.
Civil Engineering & Surveying
"Serving with Integrity"

6570 NAWAMAN FOREST BLVD., SUITE 200, L.B. 2
GARLAND, TEXAS 75044

(972) 864-2333 (TEL)
(972) 864-2334 (FAX)

NO.	DATE	REVISION	APPROV.
1			
2			
3			
4			
5			
6			

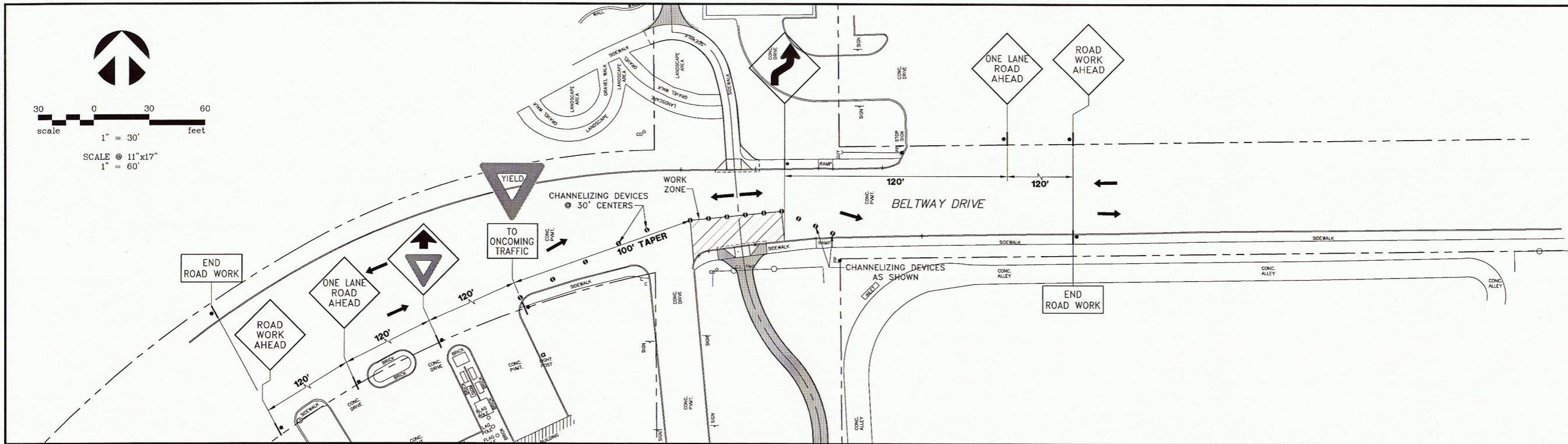
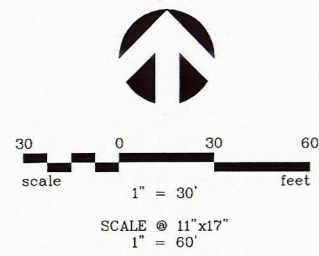
GRANTHAM & ASSOCIATES
F-005439
THIS DOCUMENT REPRESENTS
WORK-IN-PROGRESS AND IS
NOT TO BE USED FOR
CONSTRUCTION OR PERMITTING

CR
F. CHRISTOPHER ROBINSON
TEXAS P.E. NO. 101252

PEDESTRIAN CONNECTION PHASE 1
MORMAN LANE TO ARAPAHO ROAD
GENERAL NOTES

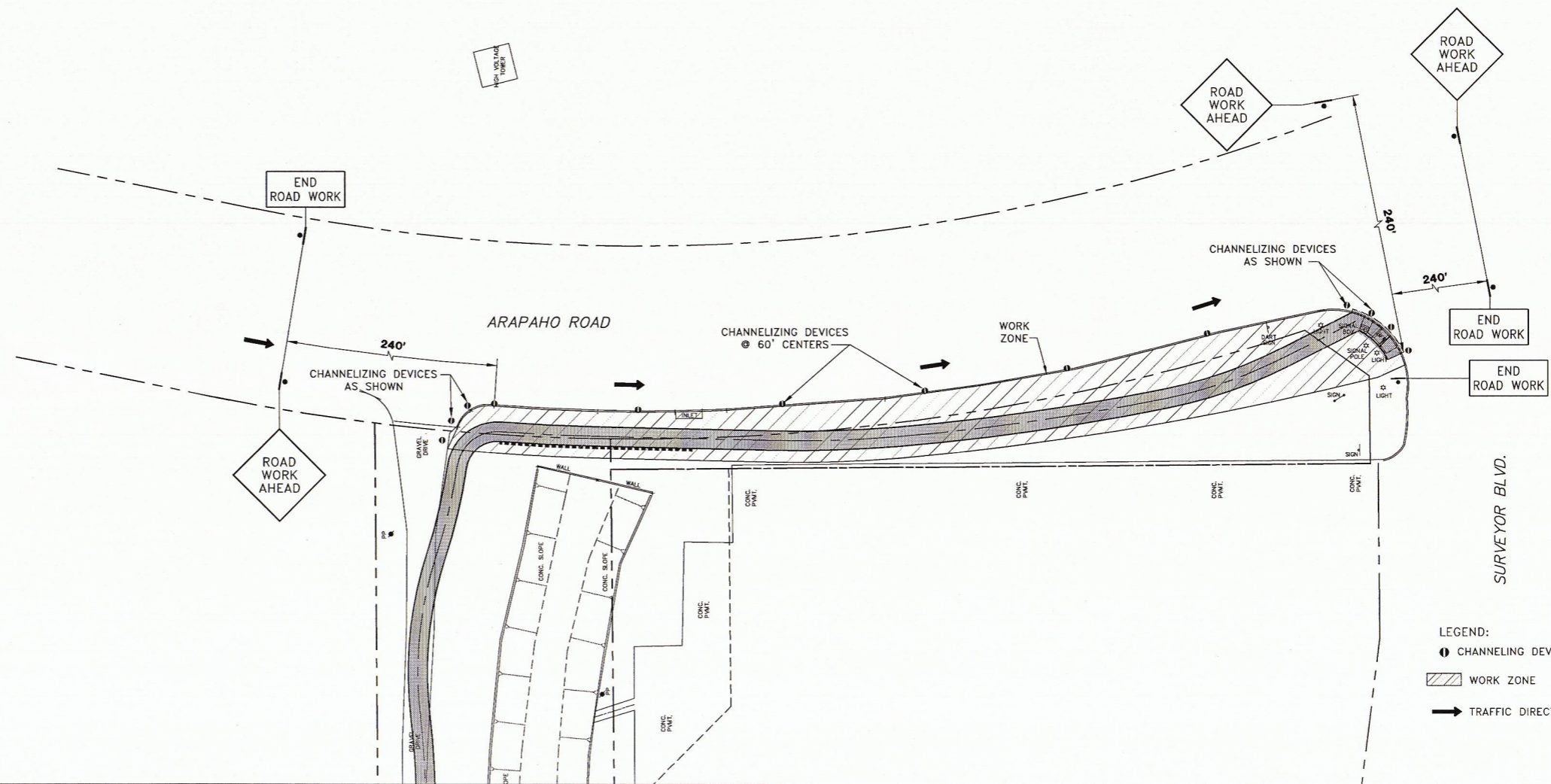
TOWN OF ADDISON

DATE: JUNE 2014
SCALE:
DRAWN BY: G&A
DESIGN: BRG
REVIEWED: BRG
JOB NO: 1197-14
DWG:
SHEET
C1 OF C7



NOTES:

1. ALL SIGNAGE, BARRICADES, AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2011).
2. LOCATIONS SHOWN FOR SIGNAGE ARE APPROXIMATE. FINAL LOCATIONS MAY CHANGE DUE TO CONSTRUCTION CONDITIONS AND PRESENCE OF OTHER PHYSICAL FEATURES.



Grantham & Associates, Inc.
Civil Engineering & Surveying
"Serving with Integrity"

NO.	DATE	REVISION	APPROV.
1			
2			
3			
4			
5			
6			

GRANTHAM & ASSOCIATES
F-005438
THIS DOCUMENT REPRESENTS
WORK-IN-PROGRESS AND IS
NOT TO BE USED FOR
CONSTRUCTION OR PERMITTING

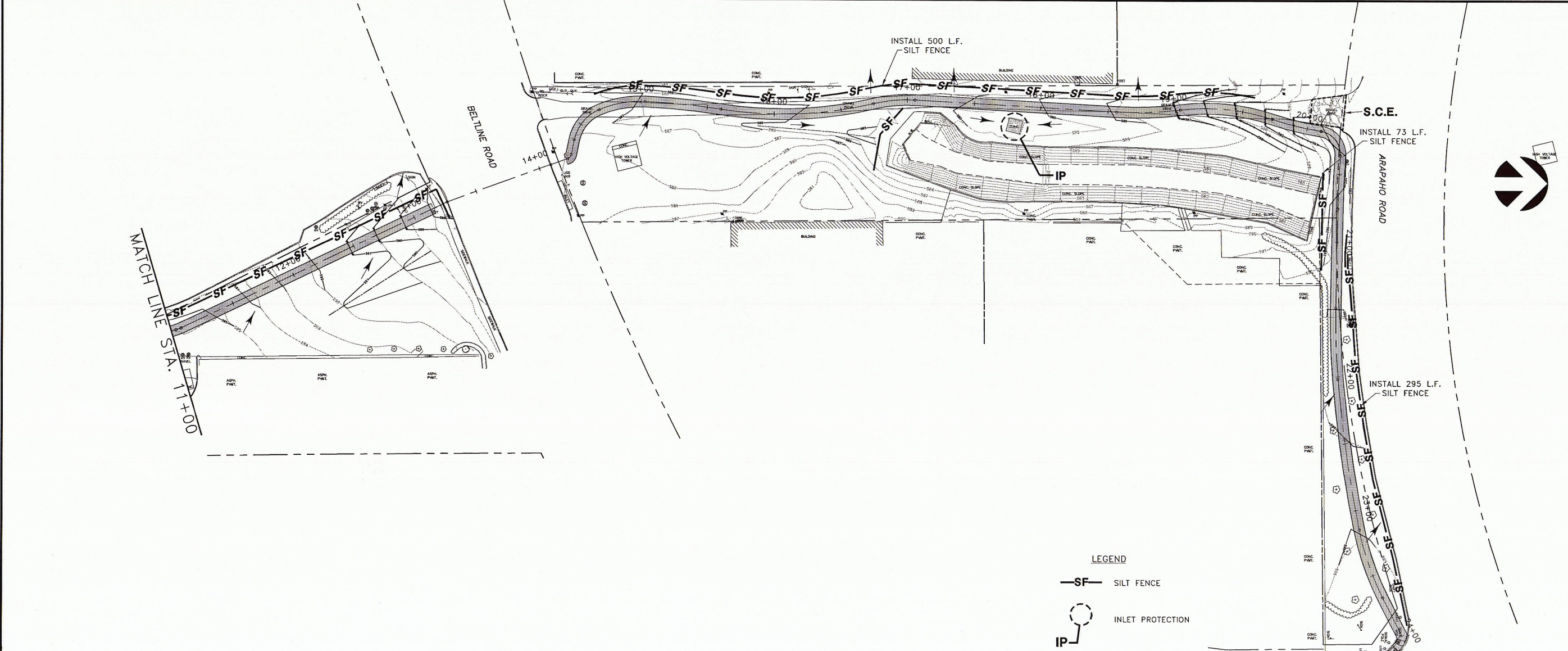
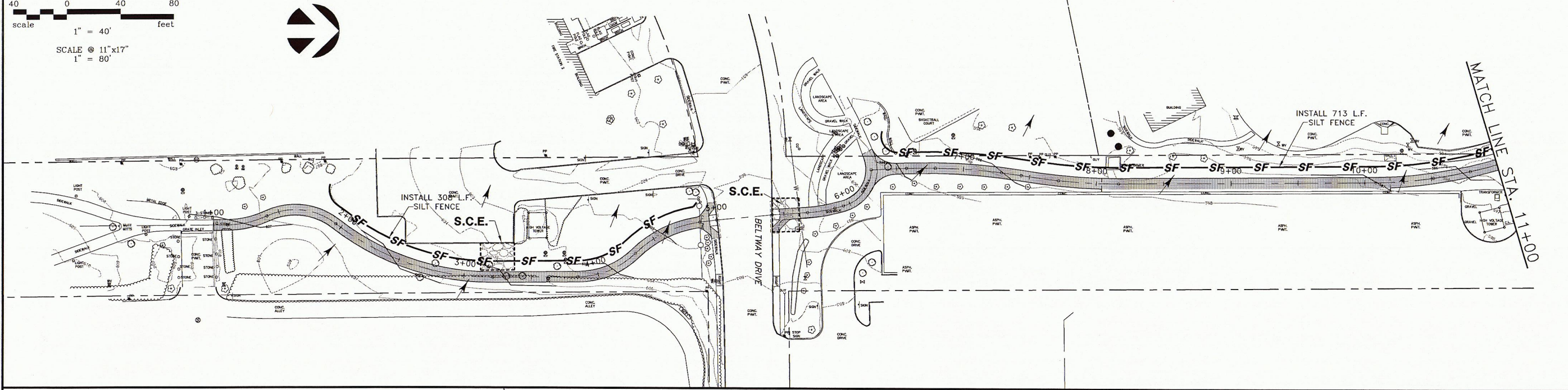
CR
P. CHRISTOPHER ROBINSON
TEXAS P.E. NO. 101252

PEDESTRIAN CONNECTION PHASE 1
MORMAN LANE TO ARAPAHO ROAD
TRAFFIC CONTROL PLAN
TOWN OF ADDISON

DATE: JUNE 2014
SCALE:
DRAWN BY: G&A
DESIGN: BRG
REVIEWED: BRG
JOB NO: 1197-14
DWG:

SHEET
C2 OF C7

40 0 40 80
 scale 1" = 40' feet
 SCALE @ 11"x17"
 1" = 80'



MITCH LINE STA. 11+00

BELTUNE ROAD

S.C.E.
 BELTMAY DRIVE

S.C.E.
 ARAPAHO ROAD



- LEGEND
- SILT FENCE
 - INLET PROTECTION
 - FLOW ARROW
 - STABILIZED CONSTRUCTION ENTRANCE

Grantham & Associates, Inc.
 Civil Engineering & Surveying
 "Serving with Integrity"

6570 NAAMAN FOREST BLVD., SUITE 200, LB. 2
 GARLAND, TEXAS 75044

(972) 864-2333 (TEL.)
 (972) 864-2334 (FAX)

NO.	DATE	REVISION	APPROV.
1			
2			
3			
4			
5			
6			

GRANTHAM & ASSOCIATES
 F-005439
 THIS DOCUMENT REPRESENTS
 WORK-IN-PROGRESS AND IS
 NOT TO BE USED FOR
 CONSTRUCTION OR PERMITTING

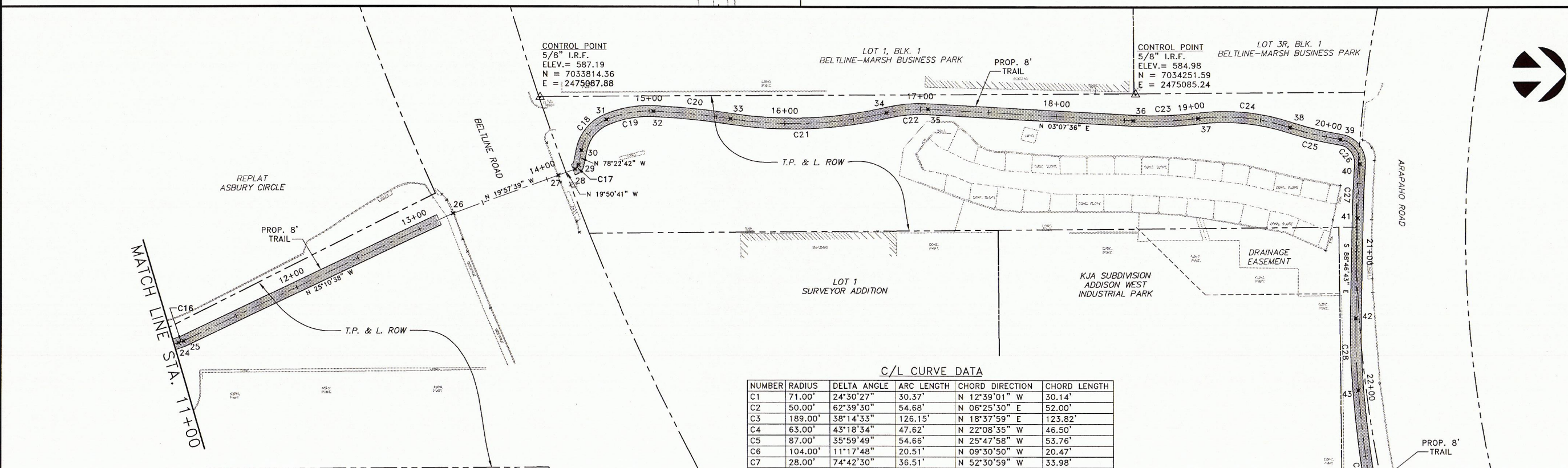
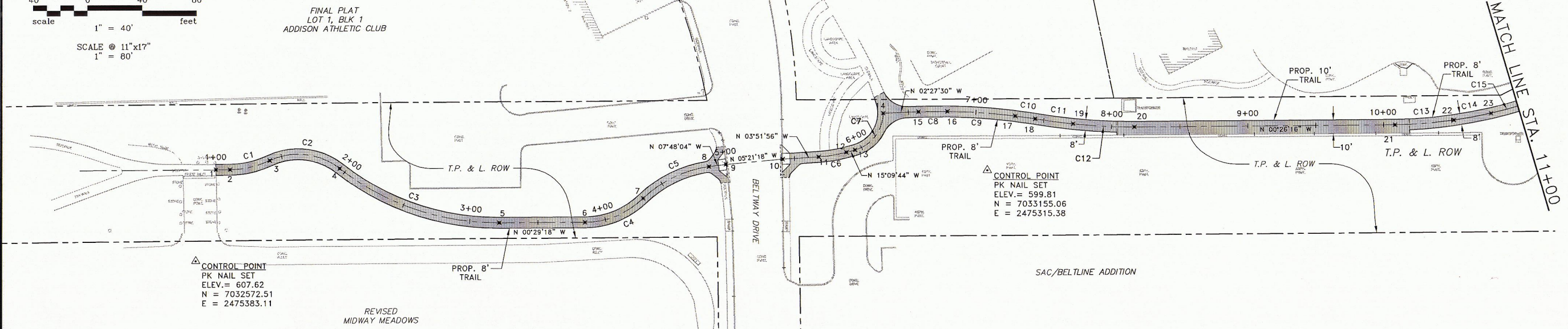
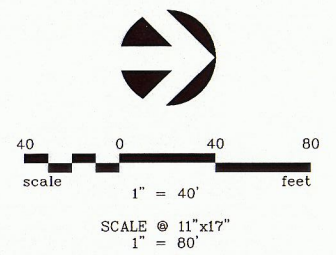
CR
 P. CHRISTOPHER ROBINSON
 TEXAS P.E. NO. 101252

PEDESTRIAN CONNECTION PHASE 1
 MORMAN LANE TO ARAPAHO ROAD
 EROSION CONTROL PLAN

TOWN OF ADDISON

DATE: JUNE 2014
 SCALE:
 DRAWN BY: C&A
 DESIGN: BRG
 REVIEWED: BRG
 JOB NO: 1197-14
 DWG:

SHEET
 C3 OF C7



C/L CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	71.00'	24°30'27"	30.37'	N 12°39'01" W	30.14'
C2	50.00'	62°39'30"	54.68'	N 06°25'30" E	52.00'
C3	189.00'	38°14'33"	126.15'	N 18°37'59" E	123.82'
C4	63.00'	43°18'34"	47.62'	N 22°08'35" W	46.50'
C5	87.00'	35°59'49"	54.66'	N 25°47'58" W	53.76'
C6	104.00'	11°17'48"	20.51'	N 09°30'50" W	20.47'
C7	28.00'	74°42'30"	36.51'	N 52°30'59" W	33.98'
C8	400.00'	03°04'02"	21.41'	N 00°55'29" W	21.41'
C9	456.32'	06°15'37"	49.86'	N 03°44'21" E	49.83'
C10	400.00'	02°07'33"	14.84'	N 07°55'56" E	14.84'
C11	537.04'	03°00'11"	28.15'	N 07°29'37" E	28.15'
C12	400.00'	06°25'47"	44.89'	N 02°46'38" E	44.86'
C13	306.00'	08°05'52"	43.25'	N 04°29'12" W	43.21'
C14	439.12'	03°37'45"	27.81'	N 10°21'01" W	27.81'
C15	339.26'	04°02'43"	23.95'	N 15°01'37" W	23.95'
C16	44.00'	05°05'09"	3.91'	N 20°53'36" W	3.90'
C17	4.00'	58°32'02"	4.09'	N 49°06'41" W	3.91'
C18	31.00'	55°58'02"	30.28'	N 50°23'41" W	29.09'
C19	82.00'	24°45'10"	35.43'	N 10°02'05" W	35.15'
C20	517.00'	06°19'41"	57.10'	N 05°30'20" E	57.07'
C21	298.75'	21°56'55"	114.44'	N 02°18'17" W	113.74'
C22	108.50'	16°24'20"	31.07'	N 05°04'34" W	30.96'
C23	269.00'	10°06'18"	47.44'	N 01°55'33" W	47.38'
C24	156.25'	25°09'14"	68.60'	N 05°35'55" E	68.05'
C25	229.50'	09°29'50"	38.04'	N 13°25'37" E	38.00'
C26	17.00'	85°34'46"	25.39'	N 51°28'05" E	23.10'
C27	744.00'	03°02'11"	39.43'	S 87°15'37" E	39.42'
C28	500.00'	06°04'27"	53.01'	N 88°11'04" E	52.98'
C29	980.00'	06°35'34"	112.77'	N 81°51'03" E	112.70'
C30	200.00'	15°19'01"	53.47'	N 70°53'45" E	53.31'

C/L CONTROL DATA							
POINT	C/L STATION	NORTHING	EASTING	POINT	C/L STATION	NORTHING	EASTING
1.	P.I. STA. 1+00.00	7032587.20	2475316.14	24.	P.C.C. STA. 11+03.51	7033548.30	2475267.57
2.	P.C. STA. 1+10.41	7032597.61	2475316.06	25.	P.T. STA. 11+07.42	7033551.95	2475266.18
3.	P.R.C. STA. 1+40.78	7032627.01	2475309.46	26.	P.I. STA. 13+27.04	7033750.71	2475172.74
4.	P.R.C. STA. 1+95.45	7032678.68	2475315.28	27.	P.I. STA. 14+08.98	7033827.72	2475144.77
5.	P.T. STA. 3+21.60	7032796.01	2475354.84	28.	P.C. STA. 14+22.23	7033840.18	2475140.28
6.	P.C. STA. 3+84.78	7032859.19	2475354.3	29.	P.T. STA. 14+26.31	7033842.74	2475137.32
7.	P.R.C. STA. 4+32.40	7032902.25	2475336.78	30.	P.C. STA. 14+37.41	7033844.98	2475126.45
8.	P.T. STA. 4+87.06	7032950.66	2475313.38	31.	P.C.C. STA. 14+67.69	7033863.52	2475104.04
9.	P.I. STA. 4+99.67	7032963.15	2475311.67	32.	P.C.C. STA. 15+03.11	7033898.13	2475097.91
10.	P.I. STA. 5+41.30	7033004.60	2475307.78	33.	P.R.C. STA. 15+60.21	7033954.94	2475103.39
11.	P.C. STA. 5+67.84	7033031.08	2475305.99	34.	P.R.C. STA. 16+74.66	7034068.59	2475098.81
12.	P.T. STA. 5+88.34	7033051.27	2475302.61	35.	P.T. STA. 17+05.72	7034099.43	2475096.08
13.	P.C. STA. 5+94.85	7033057.54	2475300.91	36.	P.C. STA. 18+56.51	7034250.00	2475104.3
14.	P.T. STA. 6+31.36	7033078.22	2475273.95	37.	P.R.C. STA. 19+03.95	7034297.35	2475102.71
15.	P.C. STA. 6+57.56	7033104.40	2475272.82	38.	P.R.C. STA. 19+72.55	7034365.07	2475109.35
16.	P.C.C. STA. 6+78.97	7033125.81	2475272.48	39.	P.R.C. STA. 20+10.59	7034402.03	2475118.17
17.	P.C.C. STA. 7+28.83	7033175.54	2475275.73	40.	P.R.C. STA. 20+35.98	7034416.42	2475136.24
18.	P.R.C. STA. 7+43.67	7033190.23	2475277.78	41.	P.T. STA. 20+75.41	7034414.54	2475175.61
19.	P.C.C. STA. 7+71.82	7033218.14	2475281.45	42.	P.C. STA. 21+48.83	7034412.97	2475249.02
20.	P.T. STA. 8+16.71	7033262.95	2475283.62	43.	P.C.C. STA. 22+01.84	7034414.65	2475301.98
21.	P.C. STA. 10+08.50	7033454.73	2475282.16	44.	P.C.C. STA. 23+14.61	7034430.63	2475413.54
22.	P.C.C. STA. 10+51.75	7033497.81	2475278.77	45.	P.T. STA. 23+68.07	7034448.07	2475463.91
23.	P.C.C. STA. 10+79.56	7033525.17	2475273.78	46.	STA. 24+00.68	7034462.75	2475493.03

Grantham & Associates, Inc.
Civil Engineering & Surveying
Serving with Integrity

6570 NAAMAN FOREST BLVD., SUITE 200, LB. 2
CARLAND, TEXAS 75944

(972) 864-2333 (TEL)
(972) 864-2334 (FAX)

NO.	DATE	REVISION	APPROV.
1			
2			
3			
4			
5			
6			

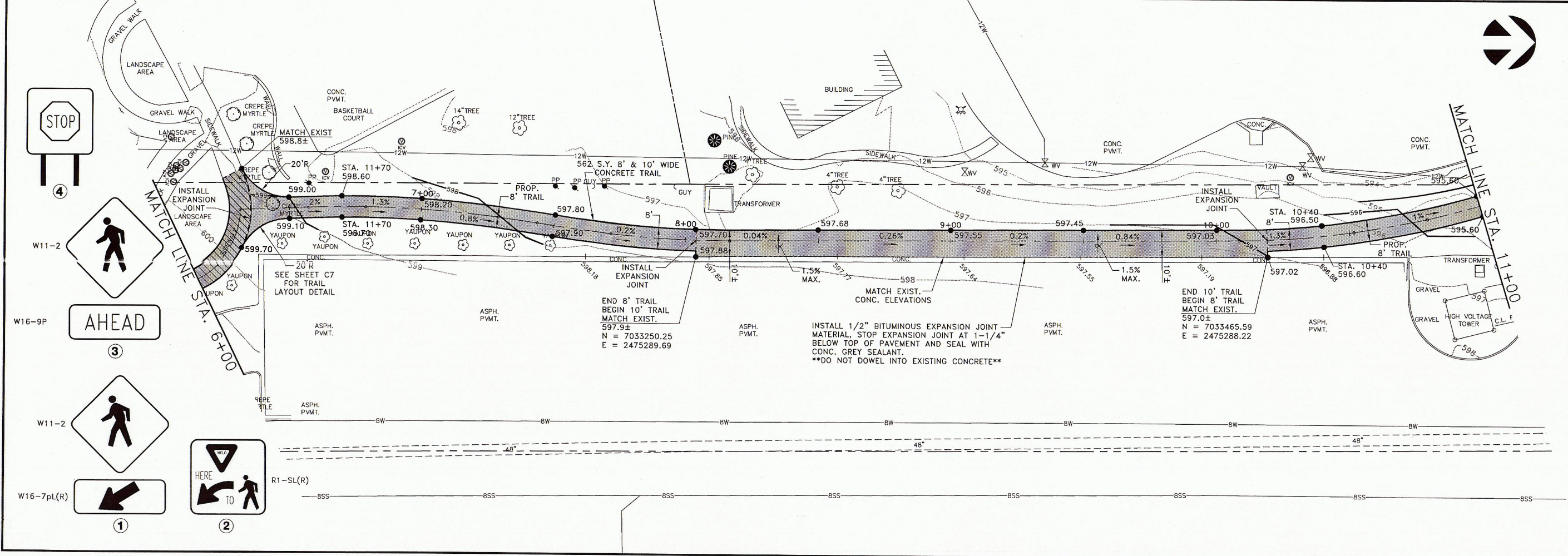
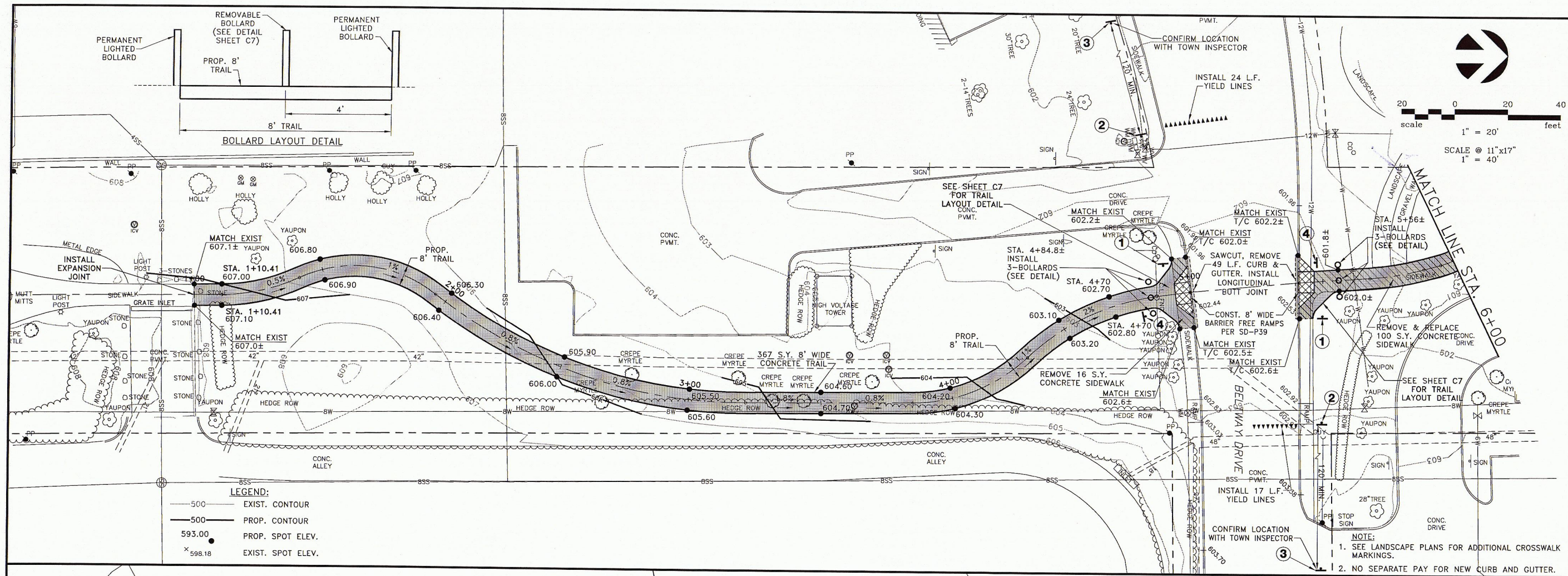
GRANTHAM & ASSOCIATES
F-005438
THIS DOCUMENT REPRESENTS
WORK-IN-PROGRESS AND IS
NOT TO BE USED FOR
CONSTRUCTION OR PERMITTING
OR

P. CHRISTOPHER ROBINSON
TEXAS P.E. NO. 101252

PEDESTRIAN CONNECTION PHASE 1
MORMAN LANE TO ARAPAHO ROAD
HORIZONTAL CONTROL PLAN

TOWN OF ADDISON

DATE: JUNE 2014
SCALE:
DRAWN BY: G&A
DESIGN: BRG
REVIEWED: BRG
JOB NO: 1197-14
DWG:
SHEET
C4 OF C7



Grantham & Associates, Inc.
 Civil Engineering & Surveying
 "Serving with Integrity"

6570 NAKAMAY FOREST BLVD., SUITE 200, L.B. 2
 GARLAND, TEXAS 75044

(972) 864-2333 (TEL)
 (972) 864-2334 (FAX)

NO.	DATE	REVISION	APPROV.
1			
2			
3			
4			
5			
6			

GRANTHAM & ASSOCIATES
 F-005438
 THIS DOCUMENT REPRESENTS
 WORK-IN-PROGRESS AND IS
 NOT TO BE USED FOR
 CONSTRUCTION OR PERMITTING

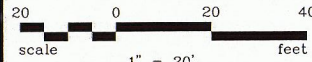
CR

P. CHRISTOPHER ROBINSON
 TEXAS P.E. NO. 101252

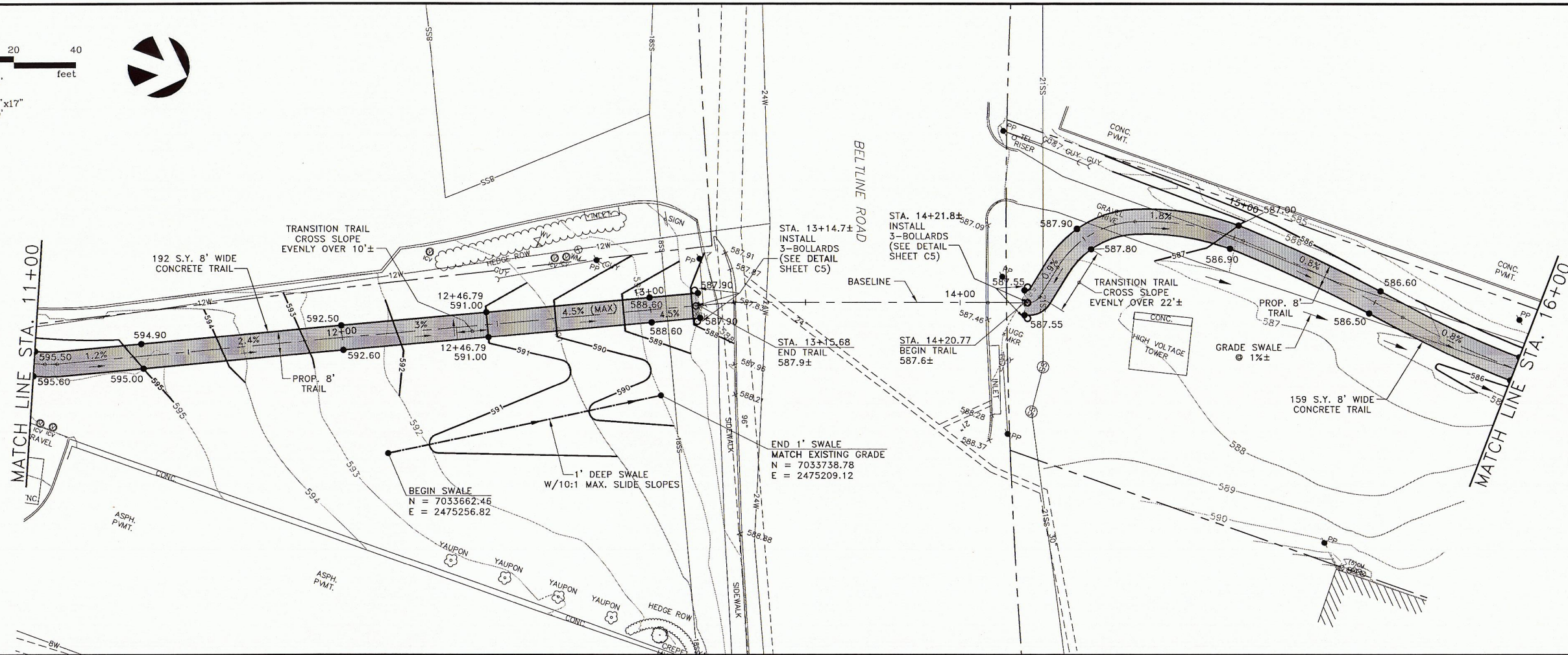
PEDESTRIAN CONNECTION PHASE 1
MORMAN LANE TO ARAPAHO ROAD
TRAIL PLAN - SHEET 1
TOWN OF ADDISON

DATE: JUNE 2014
 SCALE:
 DRAWN BY: G&A
 DESIGN: BRG
 REVIEWED: BRG
 JOB NO: 1197-14
 DWG:

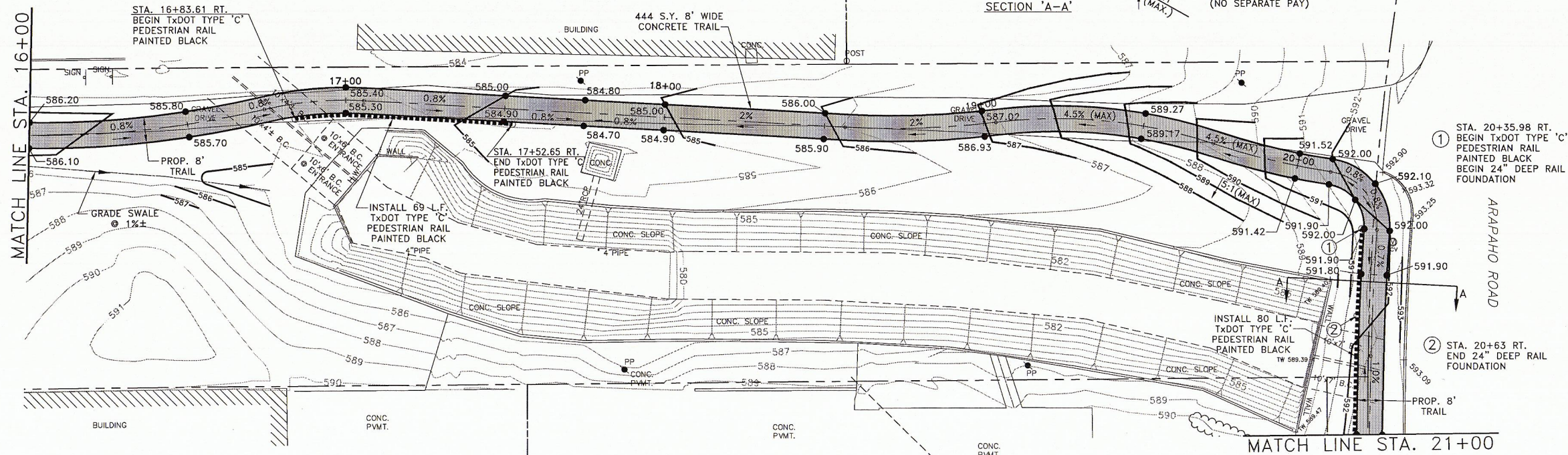
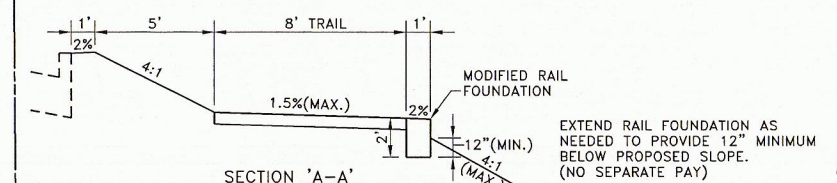
SHEET
C5 OF **C7**



SCALE @ 11"x17"
1" = 40'



NOTE:
CONTRACTOR SHALL PROVIDE PAINT SUBMITTAL TO TOWN
PRIOR TO CONSTRUCTION.



GA
Grantham & Associates, Inc.
Civil Engineering & Surveying
"Serving with Integrity"

NO.	DATE	REVISION	APPROV.
1			
2			
3			
4			
5			
6			

GRANTHAM & ASSOCIATES
F-005438
THIS DOCUMENT REPRESENTS
WORK-IN-PROGRESS AND IS
NOT TO BE USED FOR
CONSTRUCTION OR PERMITTING
CR
P. CHRISTOPHER ROBINSON
TEXAS P.E. NO. 101252

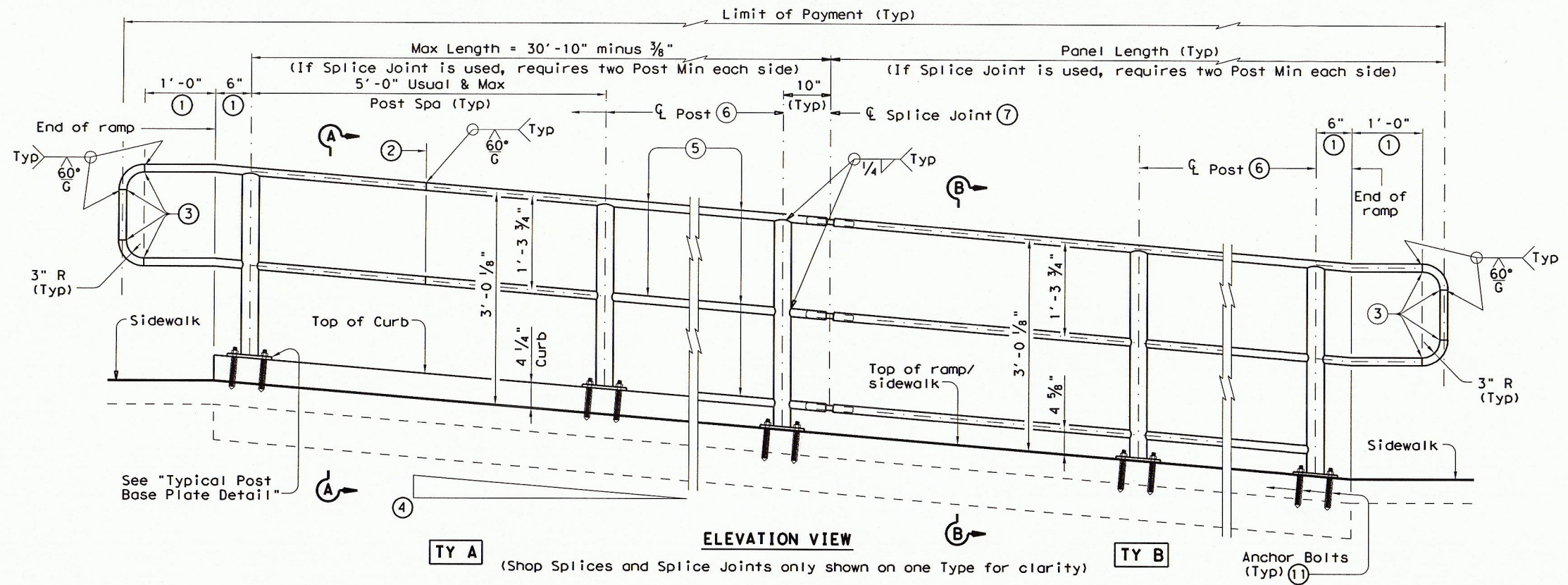
PEDESTRIAN CONNECTION PHASE 1
MORMAN LANE TO ARAPAHO ROAD
TRAIL PLAN - SHEET 2
TOWN OF ADDISON

DATE: JUNE 2014
SCALE:
DRAWN BY: G&A
DESIGN: BRG
REVIEWED: BRG
JOB NO: 1197-14
DWG:

SHEET
OF
C6 OF C7

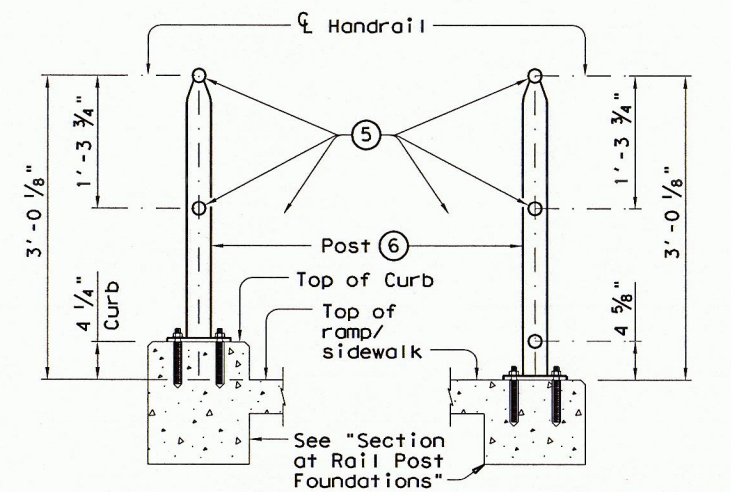
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:

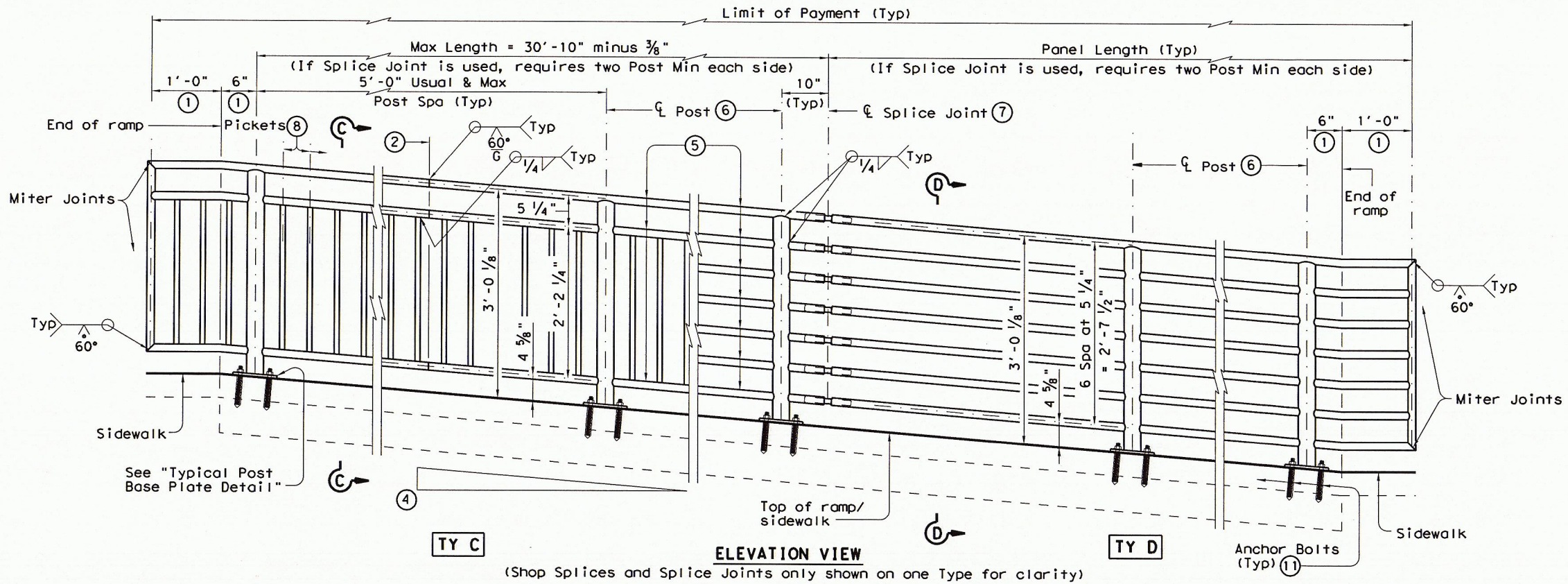


TY A (Shop Splices and Splice Joints only shown on one Type for clarity) **TY B**

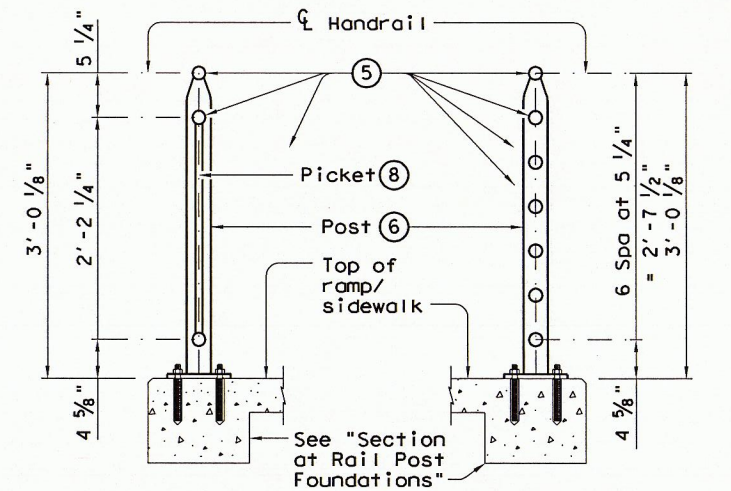
RECOMMENDED USAGE (9) (10)	
Dropoff Height/Condition	Recommended Rail Options
< 30" dropoff	TY A, TY B, TY C, or TY D
≥ 30" dropoff, or along Bike Path	TY E or TY F



SECTION A-A (Showing Handrail TY A) **SECTION B-B** (Showing Handrail TY B)



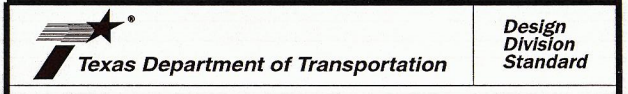
TY C (Shop Splices and Splice Joints only shown on one Type for clarity) **TY D**



SECTION C-C (Showing Handrail TY C) **SECTION D-D** (Showing Handrail TY D)

- ① Parallel to ground.
- ② One shop splice per panel is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ③ Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ④ See Ramp Details located elsewhere in plans for ramp slope and dimensions. Maximum ramp slope will not exceed 8.3 percent. Level landing required for each 30" rise if grade exceeds 5 percent.
- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp / sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.
- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). See "Post Mount Detail" for crimping and trimming post to fit Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.
- ⑦ See "Handrail Fabrication Details" for Splice Joints.
- ⑧ 5/8" Dia. Round Bar equal spacing at 4 1/2" Max. Plumb all pickets.
- ⑨ When needed for accessibility (grade > 5 percent) or as needed for pedestrian safety.
- ⑩ Not to be used on bridges.
- ⑪ See "General Notes" for anchor bolt information.

SHEET 1 OF 3



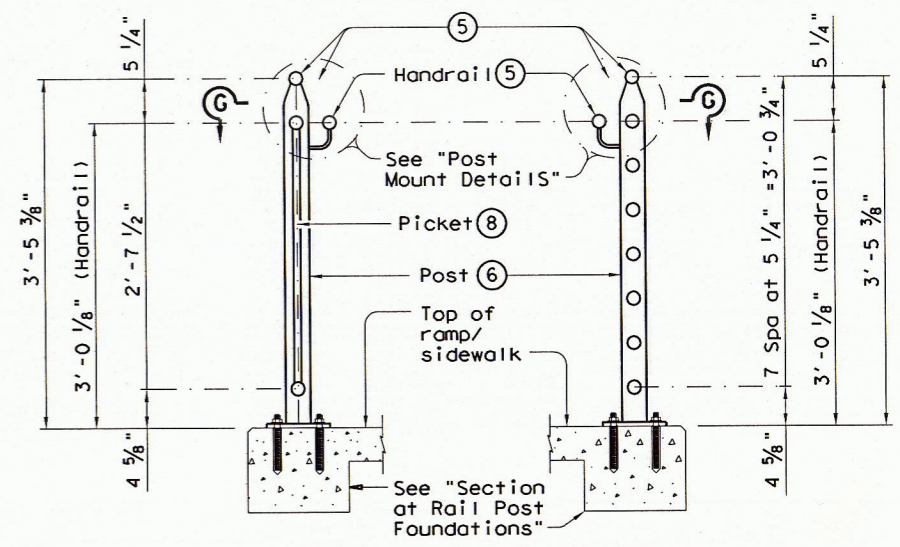
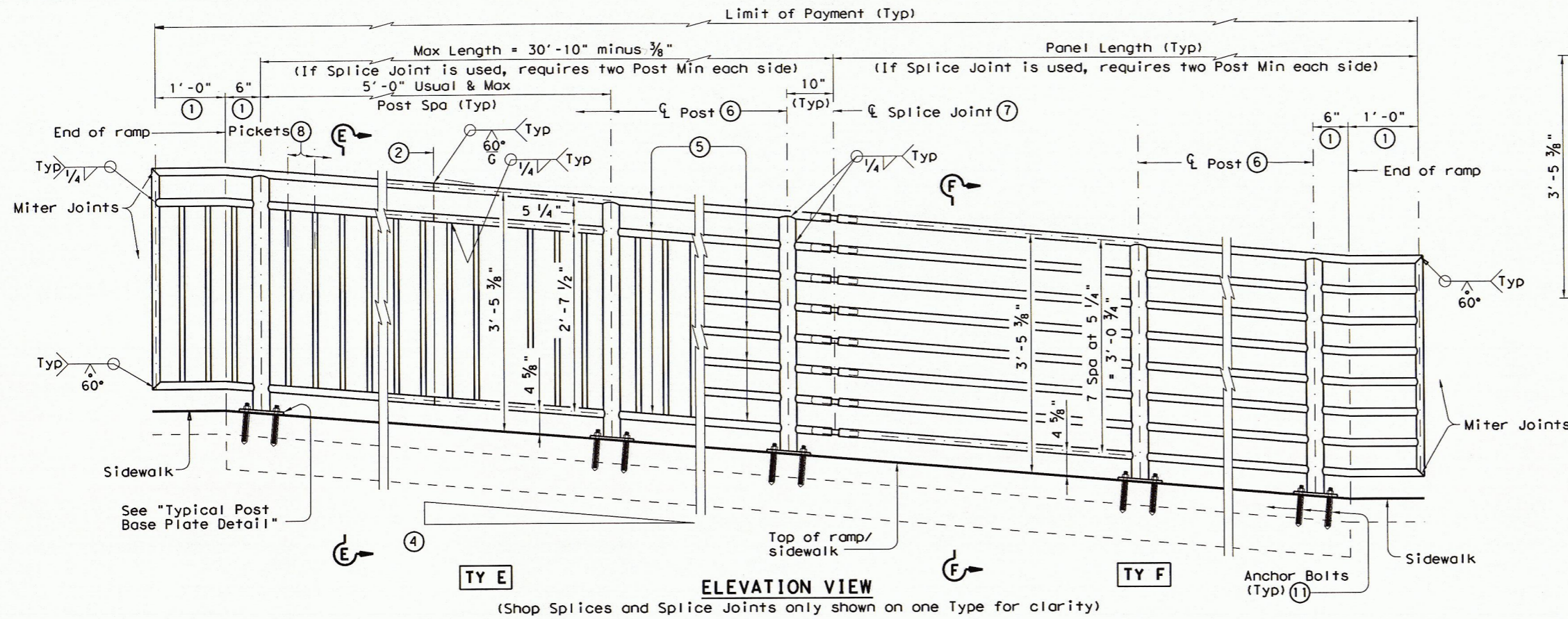
PEDESTRIAN HANDRAIL DETAILS

PRD-13

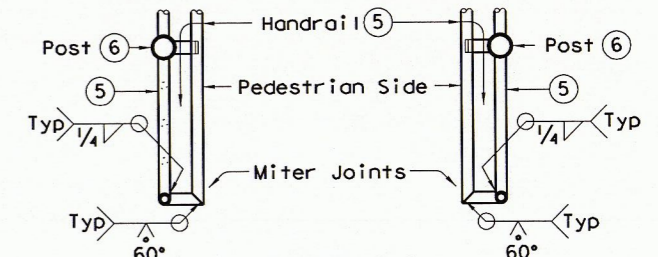
FILE: prd13.dgn	DATE: TxDOT	CK: AM	DW: JTR	CK: CGL
© TxDOT December 2006	CONT	SECT	JOB	HIGHWAY
REVISIONS				
REVISED MAY, 2013 (VP)	DIST	COUNTY	SHEET NO.	

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

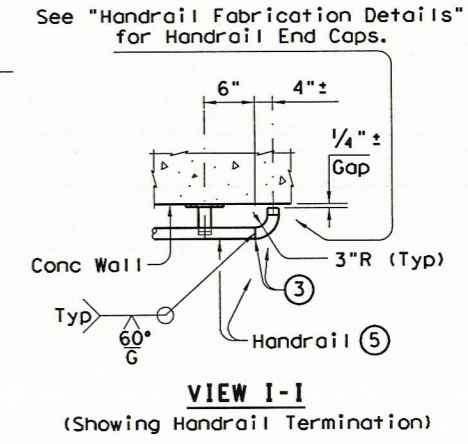
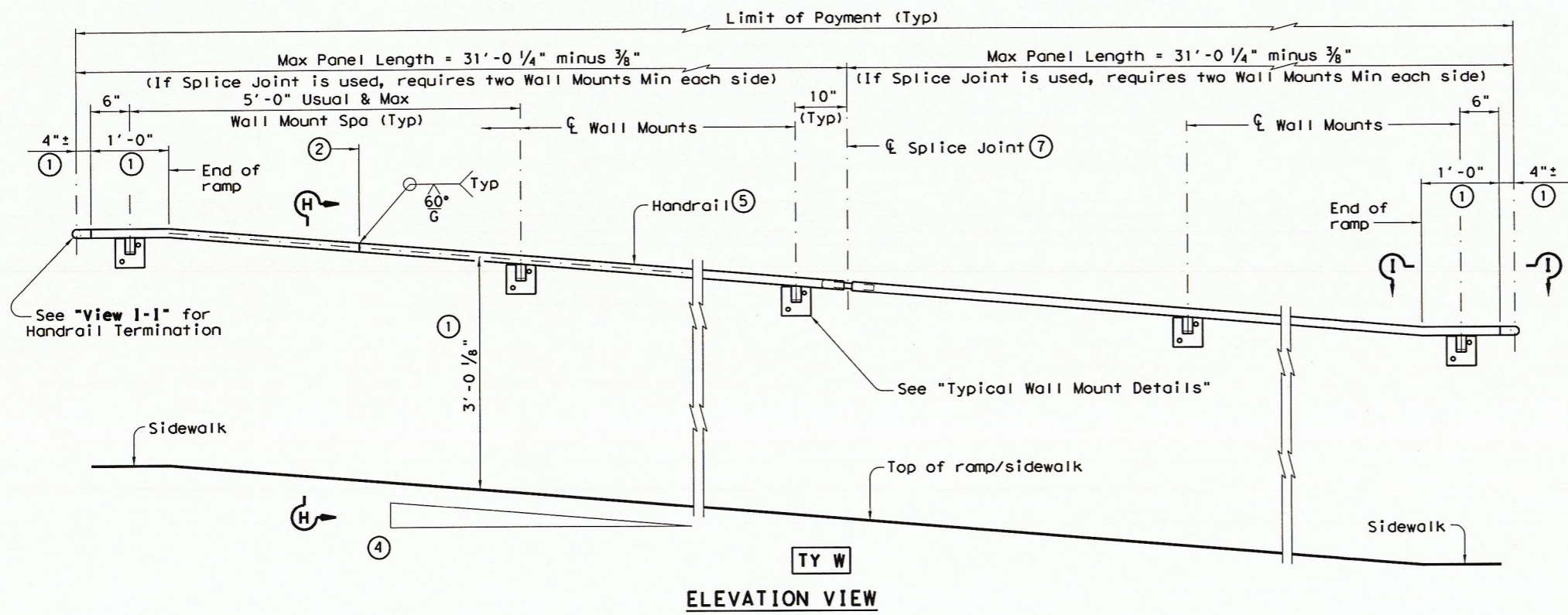
DATE: FILE:



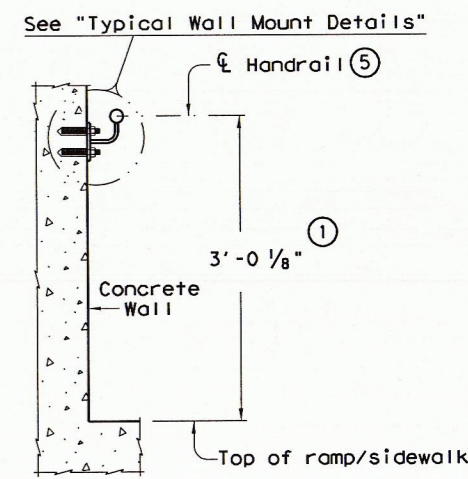
SECTION E-E (Showing Handrail TY E) SECTION F-F (Showing Handrail TY F)



SECTION G-G (Showing Handrail Termination)



VIEW I-I (Showing Handrail Termination)



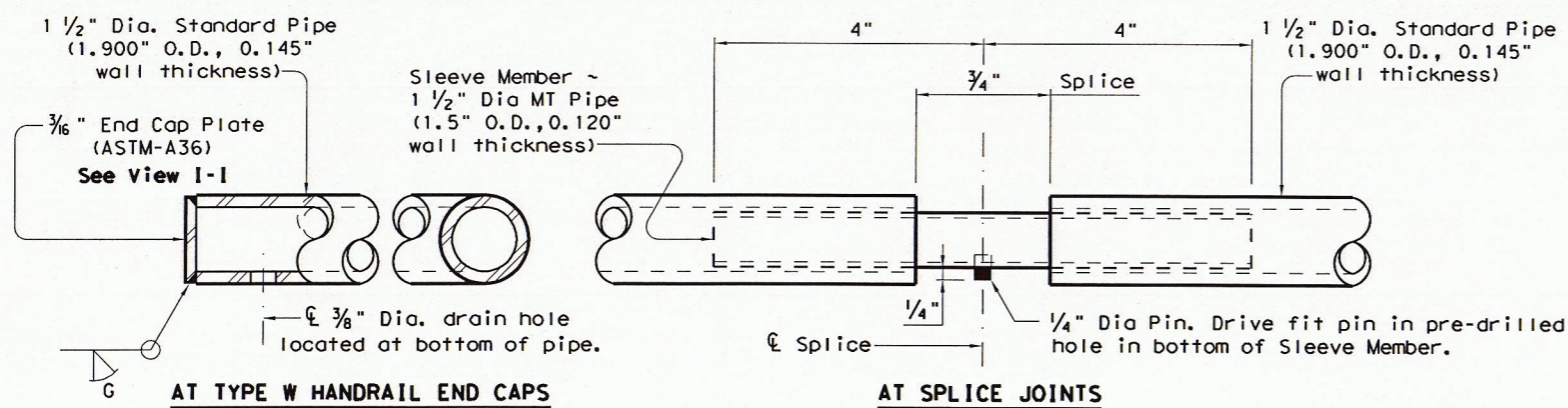
SECTION H-H (Showing Handrail TY W)

- ① Parallel to ground.
- ② One shop splice per panel is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ③ Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ④ See Ramp Details located elsewhere in plans for ramp slope and dimensions. Maximum ramp slope will not exceed 8.3 percent. Level landing required for each 30" rise if grade exceeds 5 percent.
- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp / sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.
- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). See "Post Mount Detail" for crimping and trimming post to fit Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.
- ⑦ See "Handrail Fabrication Details" for Splice Joints.
- ⑧ 1/2" Dia. Round Bar equal spacing at 4 1/2" Max. Plumb all pickets.
- ⑪ See "General Notes" for anchor bolt information.

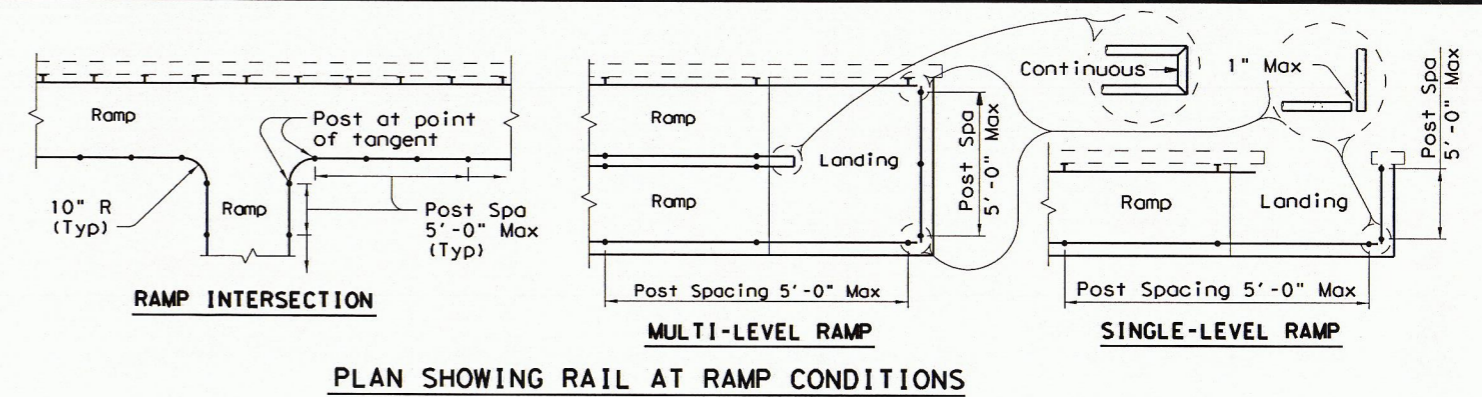
PEDESTRIAN HANDRAIL DETAILS PRD-13

FILE: prd13.dgn	DN: TxDOT	CK: AM	DW: JTR	CK: CGL
© TxDOT December 2006	CONT	SECT	JOB	HIGHWAY
REVISIONS				
REVISED MAY, 2013 (VP)	DIST	COUNTY	SHEET NO.	

DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any use whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



HANDRAIL FABRICATION DETAILS



GENERAL NOTES

Designed according to ADAAG, Texas Accessibility Standards, Uniform Building Code, and AASHTO LRFD Specifications.

Handrail anchorage details shown on this standard may require modification for select structure types. See appropriate details elsewhere in plans for these modifications.

Pipe will conform to ASTM-A53 Grade B or A500 Grade B. Steel plates and steel bars will conform to ASTM-A36. Mechanical tubing (MT) will conform to ASTM A513 Grade 1015 or higher. Galvanize all steel components except reinforcing steel unless noted otherwise.

Concrete for foundations will be in accordance with Item 531 "Sidewalks". All reinforcing steel must be Grade 60. Bar laps, where required, will be as follows: Uncoated - #4 = 1'-5" Epoxy coated - #4 = 2'-1"

When the plans require painted steel, follow the requirements for painting galvanized steel in Item 446, "Cleaning and Painting Steel". Sleeve Members will receive galvanization and only get field painted after installation unless directed otherwise by Engineer.

Epoxy Anchor bolts for wall mount and post base plate will be 5/8" Dia. ASTM A36 threaded rods with one hex nut and one hardened steel washer at each bolt. 5/8" Dia. threaded rod embedment depth for wall mounts is 3 1/2" and embedment depth for post base plate is 5".

Embed threaded rods into concrete with a Type III (Class C) epoxy meeting the requirements of DMS-6100, "Epoxyes and Adhesives". Mix and dispense adhesive with the manufacturer's static mixing nozzle/dual cartridge system. Core drill holes (percussion drilling not permitted).

At the contractor's option the post base plate anchor bolts may be cast with the Ramp/Sidewalk (See Cast-in-Place Anchor Bolt Options).

Optional cast-in-place anchor bolts will be 5/8" Dia ASTM A307 Grade A bolts (or A36 threaded rods with one tack welded hex nut each) with one hex nut and one hardened steel washer at each bolt. Embedment depth of cast-in-place bolt will be 8" for post base plate.

Handrails and any wall or other surface adjacent to them will be free of any sharp or abrasive elements.

Submit shop drawings to the Engineer unless otherwise noted. For curved handrail applications, fabricate the handrail to the curve if radius is less than 600 ft. Shop drawings are required when rail is fabricated to the curve.

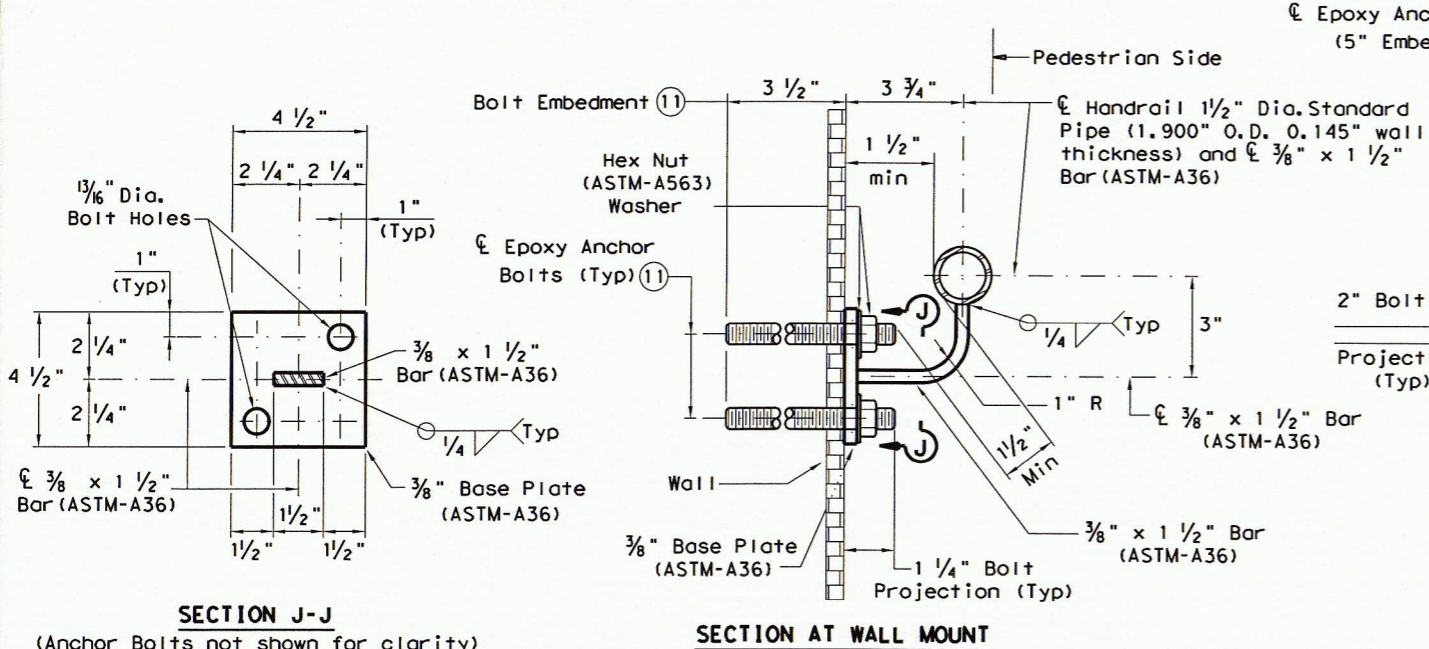
For all handrails, erection drawings will be submitted to the Engineer for approval to ensure proper installation.

Drawings will show handrail mount locations with bolts setting, spacing, ramp slope, and/or splice joint locations, and handrail lengths with identification showing where each handrail goes on the layout.

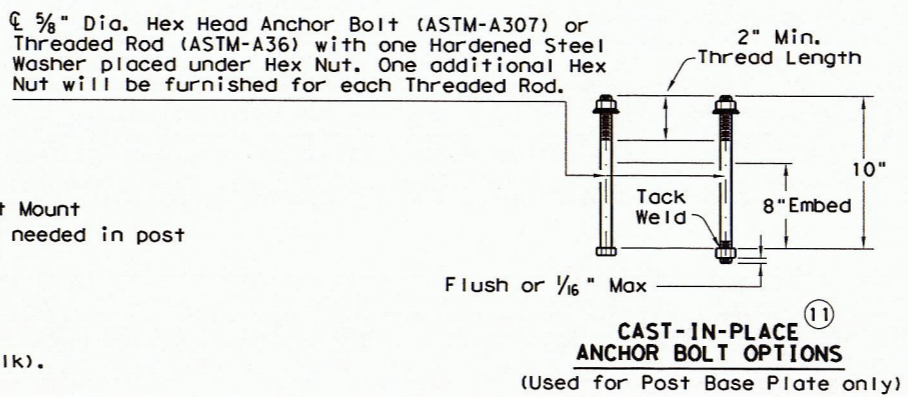
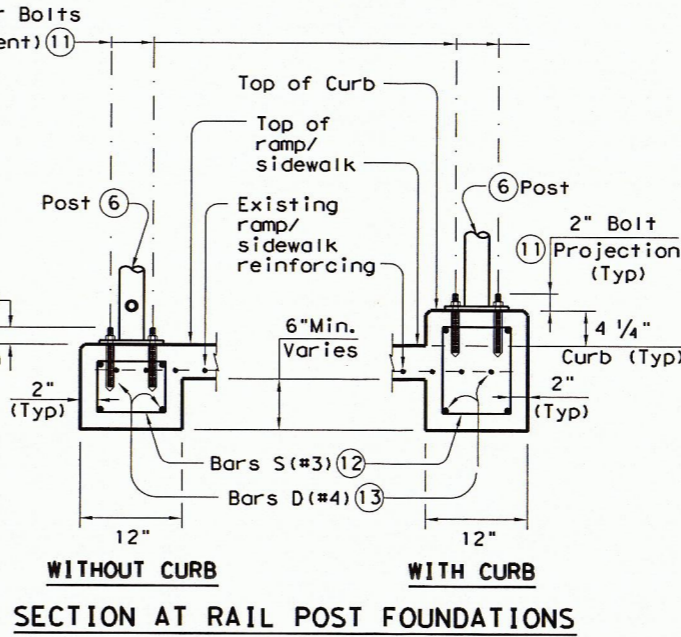
Payment for concrete sidewalks or curb ramps will be paid for in accordance with Item 531 "Sidewalks".

Payment for all items shown is to be included in unit price bid in accordance with Item 450 "Railing" of the type specified.

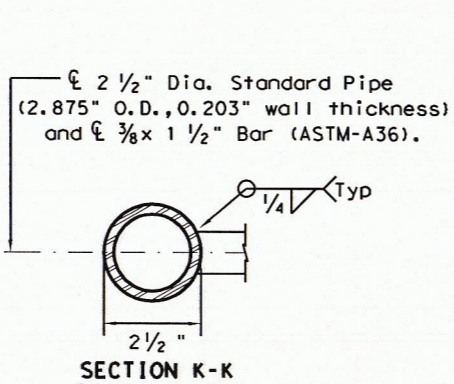
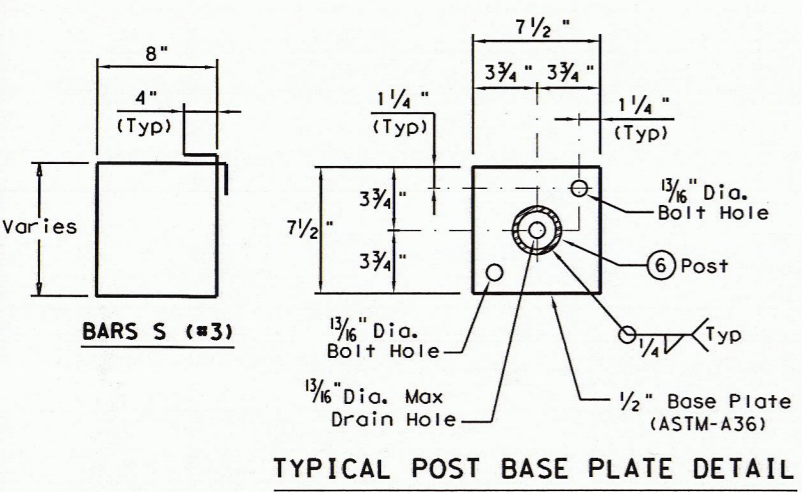
All exposed edges will be rounded or chamfered to approximately 1/8" by grinding.



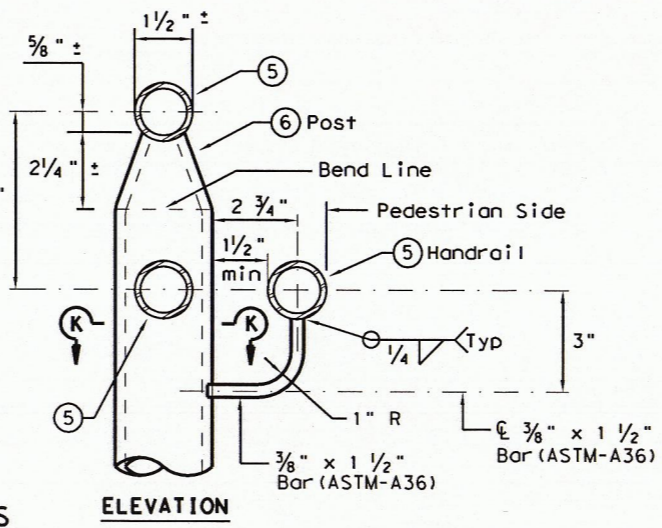
TYPICAL WALL MOUNT DETAILS



- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp/sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.
- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). Plumb all posts. See "Post Mount Detail" for crimping and trimming post to fit the diameter of top rail. Provide holes as needed in post for galvanizing drainage and venting.
- ⑪ See "General Notes" for anchor bolt information.
- ⑫ Bars S (#3) spaced at 12" Max (Spaced 3" from outside edge of overall length of Ramp/Sidewalk).
- ⑬ Provide 1 1/2" end cover to Bars D (#4) from outside edge of overall length of Ramp/Sidewalk.



POST MOUNT DETAILS



SHEET 3 OF 3

PEDESTRIAN HANDRAIL DETAILS

PRD-13

FILE: prd13.dgn	DN: TxDOT	CK: AM	DW: JTR	CK: CGL
© TxDOT December 2006	CONT	SECT	JOB	HIGHWAY
REVISED MAY, 2013 (VP)	DIST	COUNTY	SHEET NO.	

Texas Department of Transportation
 Design Division Standard

DATE: FILE: