

HIKE AND BIKE TRAIL - PHASE 1

THE CITY OF DEER PARK
DEER PARK, TX, 77536

HARRIS COUNTY, TEXAS
DESIGN JOB NO. 1039.003

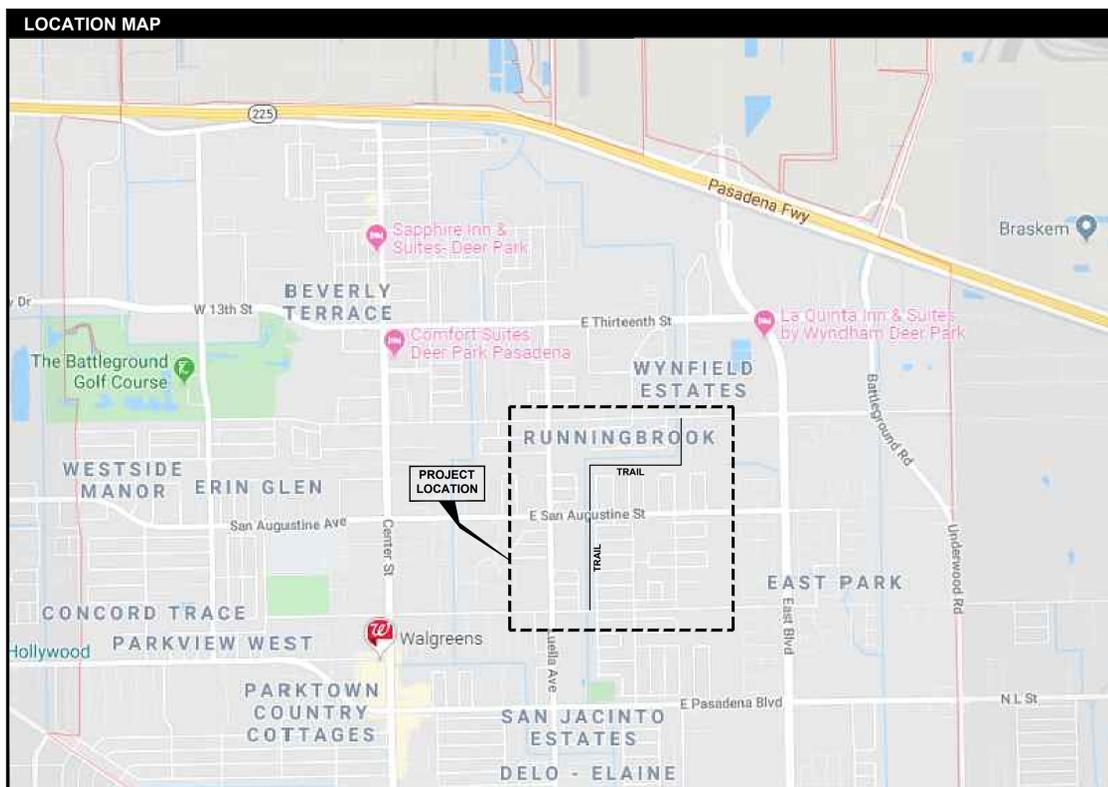


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CLAUDIA T. WALKER, R.L.A.
LANDSCAPE ARCHITECT No. 2887, ON 07/24/20
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90%
REVIEW SET

CITY OF DEER PARK
HIKE AND BIKE TRAIL - PHASE 1
DEER PARK, TEXAS



GENERAL NOTES

- CONTRACTOR SHALL NOTIFY THE CITY OF DEER PARK TEN (10) WORKING DAYS IN ADVANCE OF STARTING CONSTRUCTION AND SHALL COORDINATE NECESSARY INSPECTIONS THROUGHOUT FINAL APPROVAL.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND IMPROVEMENTS.
- ANY DAMAGE TO EXISTING FACILITIES OR IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND/OR MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH THE INTENT OF THESE PLANS AND SPECIFICATIONS, TO PROVIDE COMPLETE AND/OR OPERATIONAL SYSTEMS.
- DURING THE COURSE OF THE WORK, CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE OWNER.
- CONTRACTOR SHALL RESTRICT ALL OPERATIONS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO LANDSCAPES, OUTSIDE OF PROJECT BOUNDARIES, SHALL BE RESTORED AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION, AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO THE START OF CONSTRUCTION FOR LOCATION OF POWER, GAS, OIL, CABLE TV, AND TELEPHONE UNDERGROUND FACILITIES. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE PUBLIC AGENCY FOR LOCATION OF ALL UNDERGROUND FACILITIES.

SHEET INDEX

SHEET	DESCRIPTION
CVR	COVER SHEET
LS1.00	OVERALL SITE
LS1.01	ENLARGED SITE PLAN
LS1.02	ENLARGED SITE PLAN
LS1.03	ENLARGED SITE PLAN
LS1.04	ENLARGED SITE PLAN
LS5.01	SITE DETAILS

PROJECT TEAM

OWNER:
THE CITY OF DEER PARK
P: 281.479.2054
Contact: CHARLIE SANBERG
PARKS AND RECREATION DIRECTOR

PROJECT MANAGER / LANDSCAPE ARCHITECTURE:
BURDITT CONSULTANTS, LLC
P: 936.756.3041
Contact: CLAUDIA WALKER, R.L.A.
cwalker@burditt.com

CIVIL ENGINEERING:
BLEYL ENGINEERING
P: 936.521.1365
Contact: JENNIFER STEEN, PE
jsteen@bleylengineering.com

1 INCH
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PROJECT NUMBER:
1039.003
ISSUE DATES:
01.31.2020
04.27.2020 REVIEW
06.27.2020 REVIEW
07.24.2020 REVIEW

DRAWN BY:
GC
CHECKED BY:
CW
SHEET NO.:

COVER SHEET

CVR

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 DEER PARK, TEXAS**

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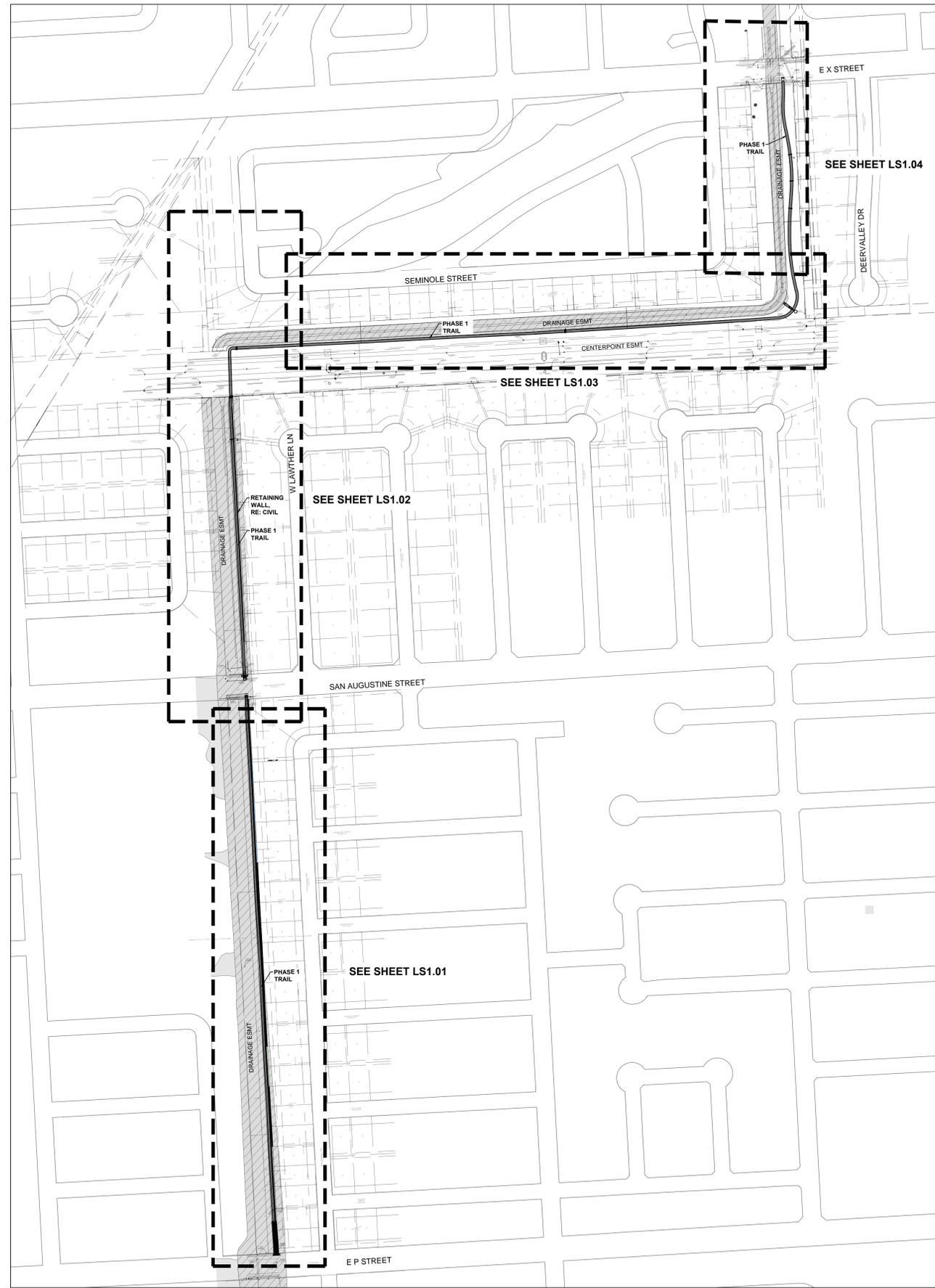
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**OVERALL
 SITE**

LS1.00

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A3 OVERALL SITE PLAN
 1"=200'



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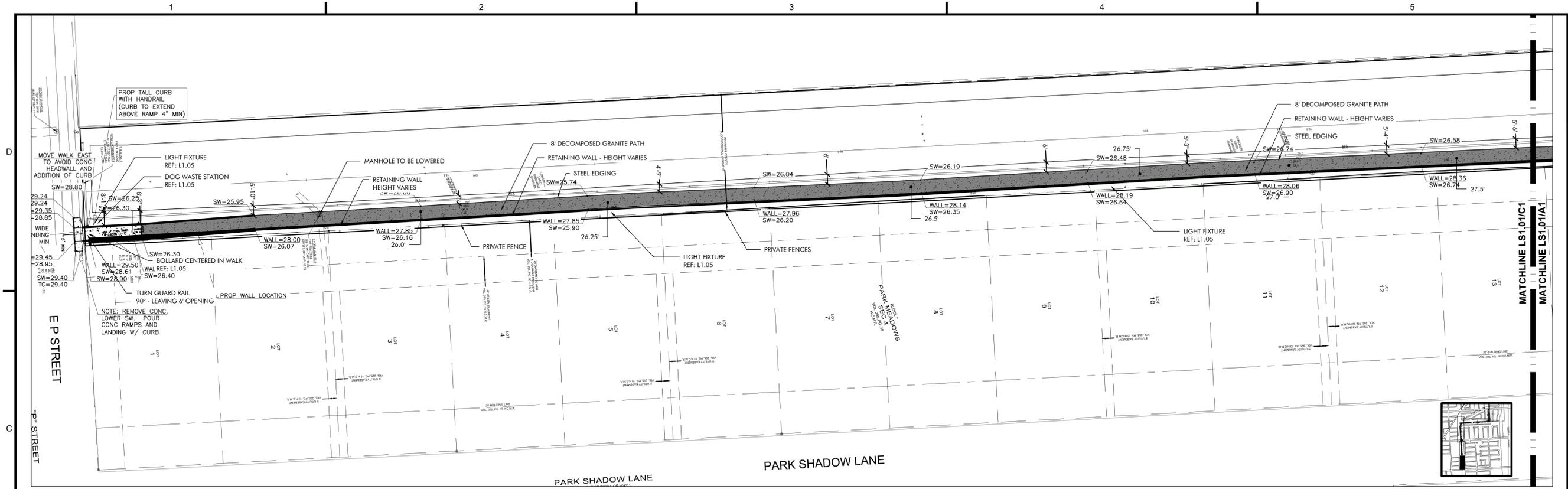
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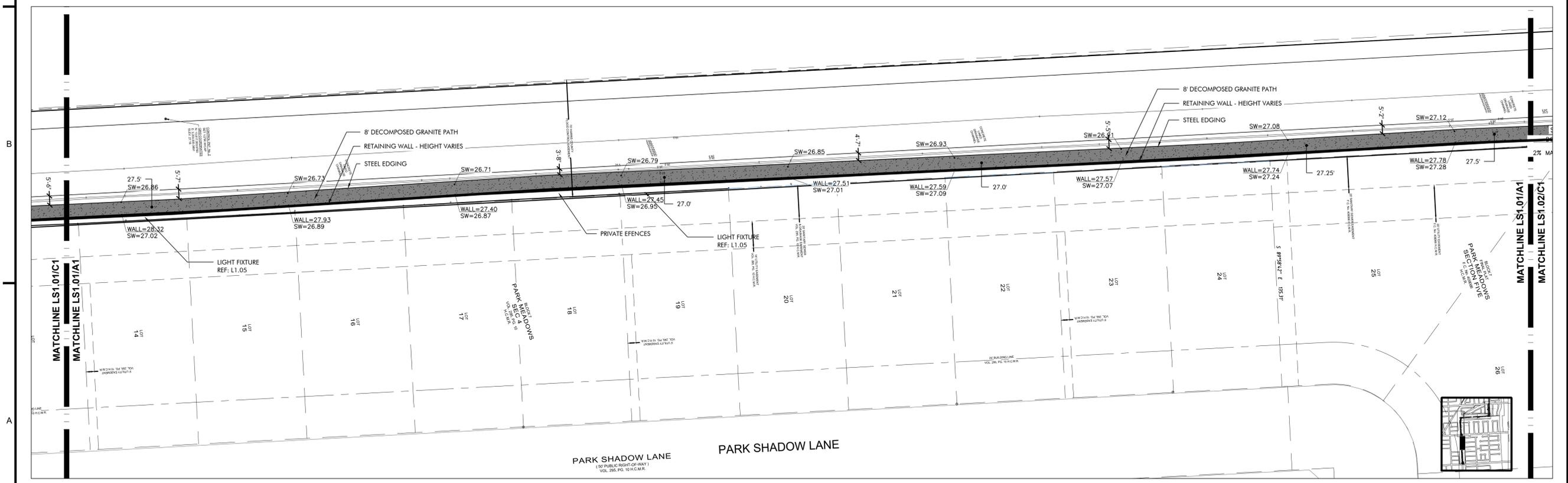
ENLARGED
SITE PLAN

LS1.01

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C1 ENLARGED SITE PLAN
1"=30'



A1 ENLARGED SITE PLAN
1"=30'

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 DEER PARK, TEXAS

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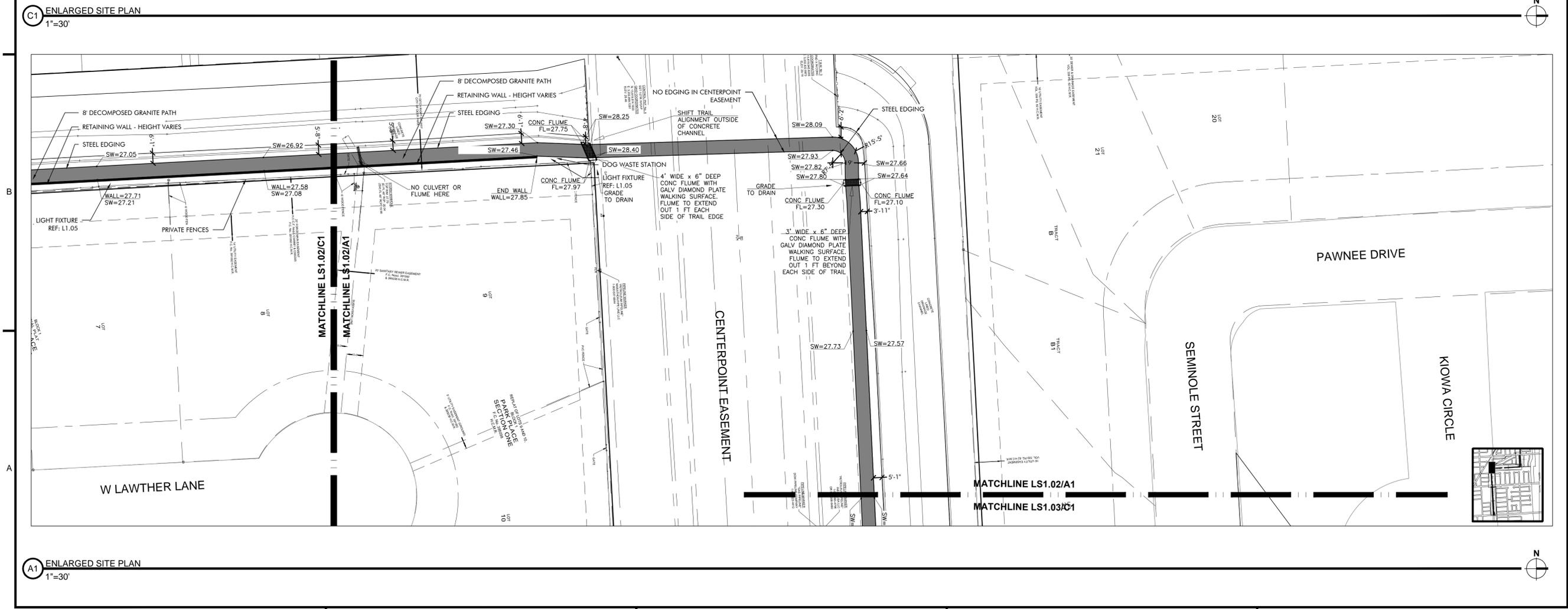
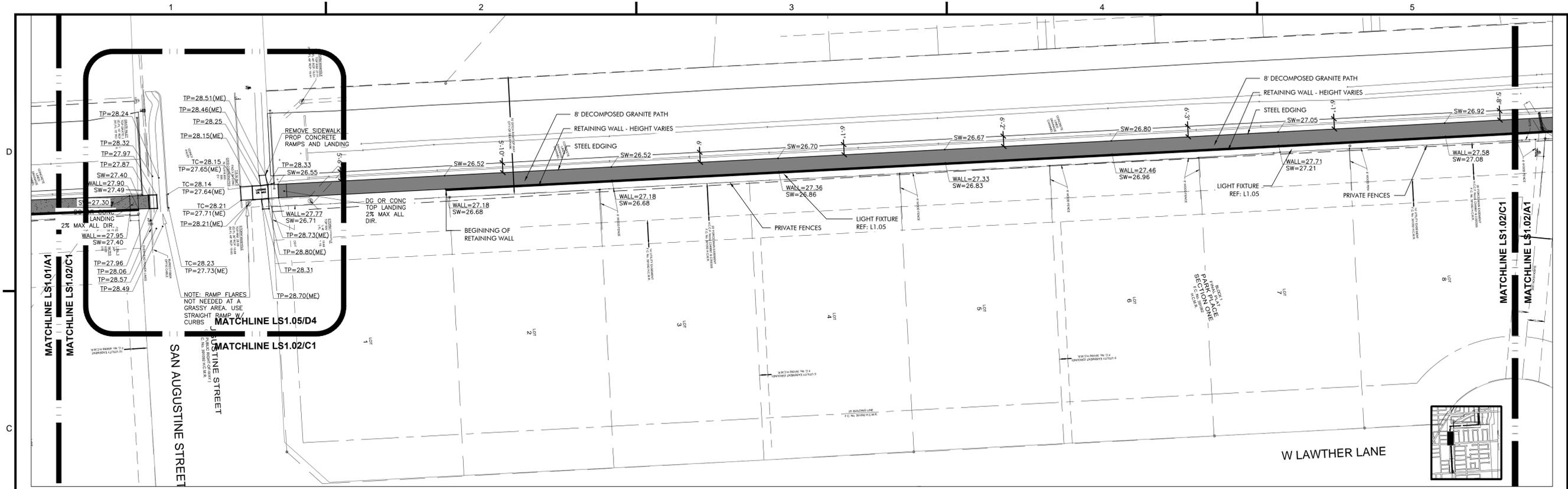
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ENLARGED
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 DEER PARK, TEXAS

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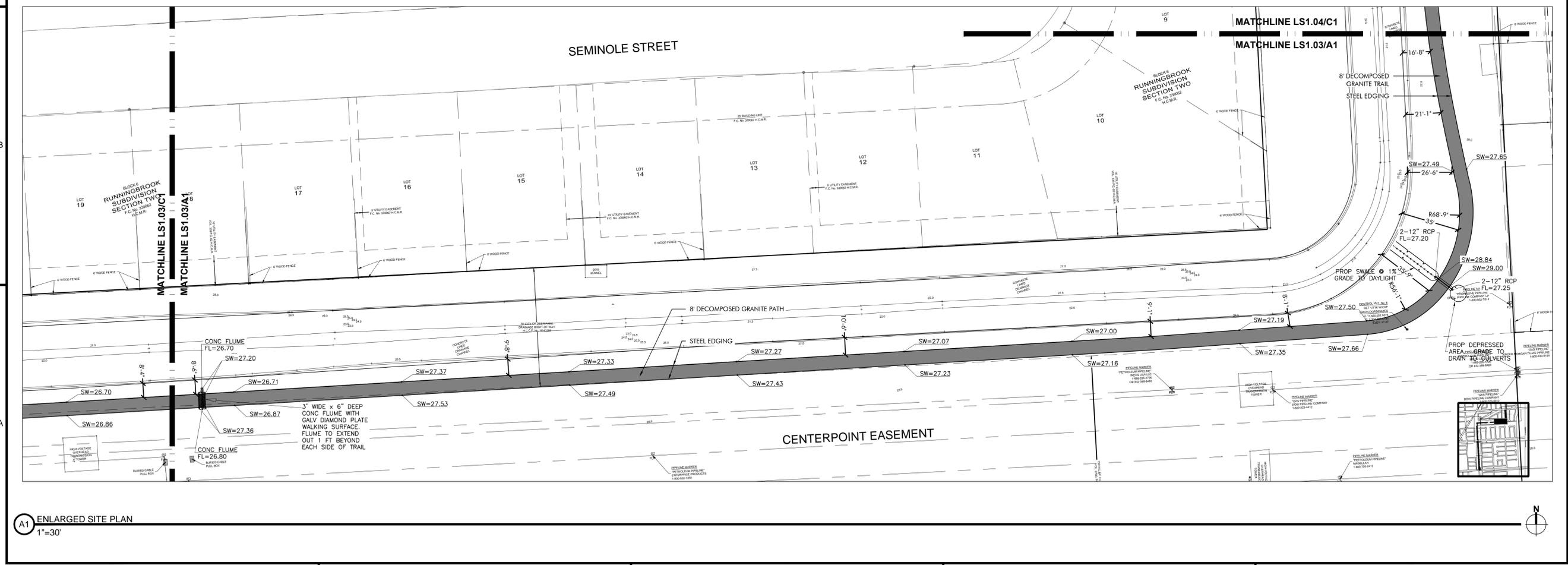
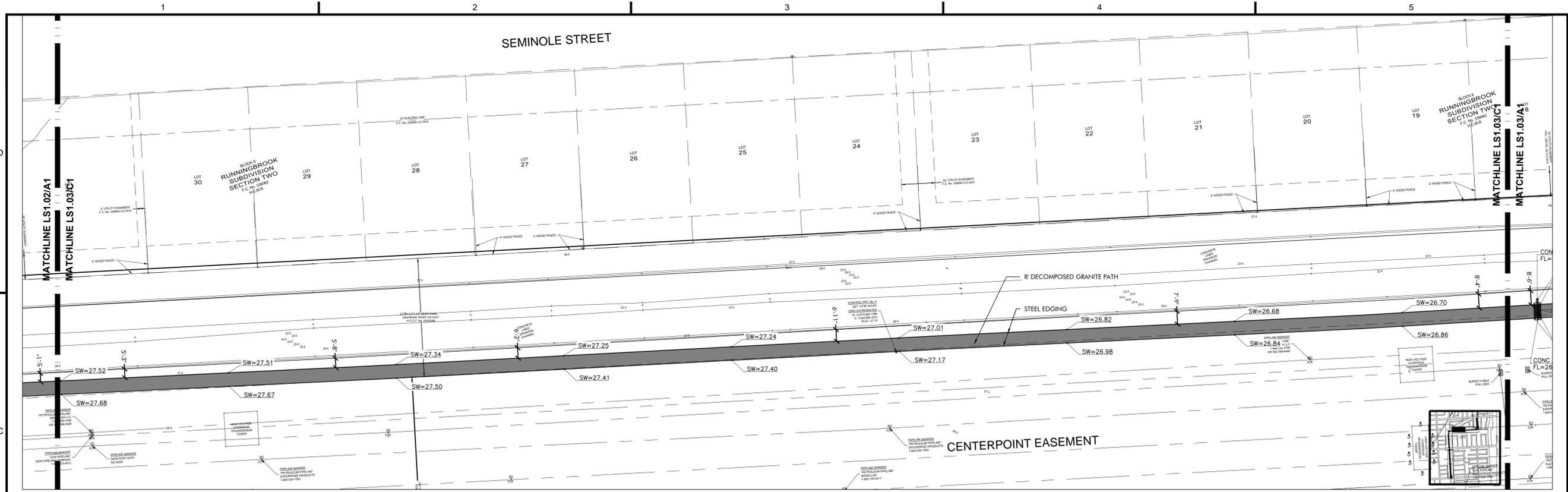
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 HIKE AND BIKE TRAIL - PHASE 1
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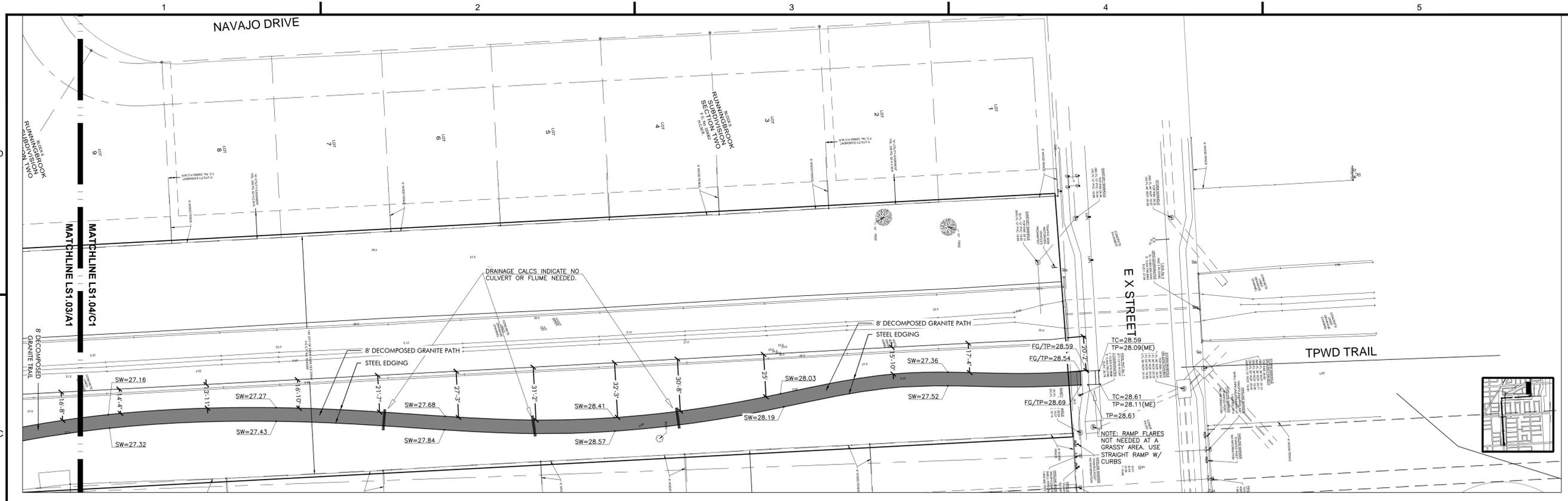
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ENLARGED
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C1 ENLARGED SITE PLAN
 1"=30'

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HIKE AND BIKE TRAIL - PHASE 1
DEER PARK, TEXAS

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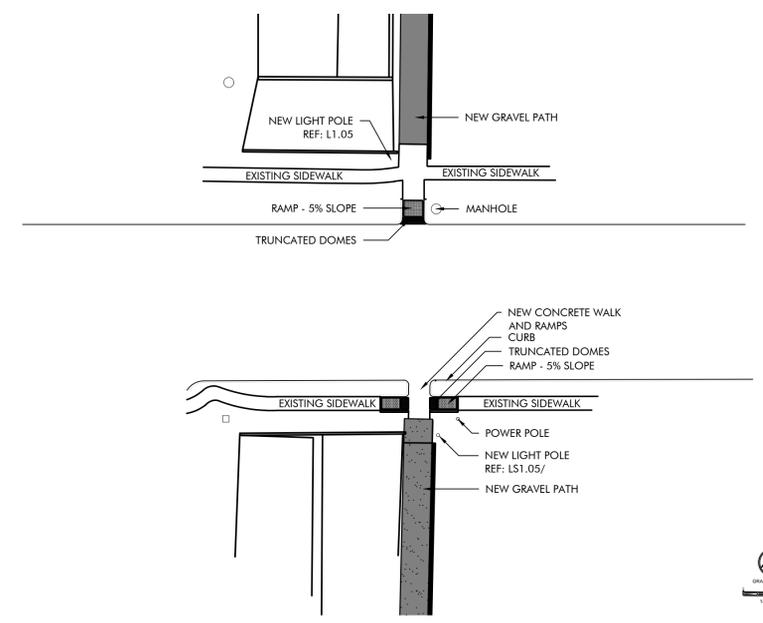
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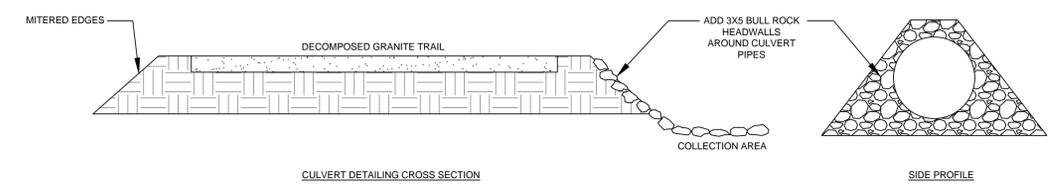
SITE
DETAILS

LS1.05

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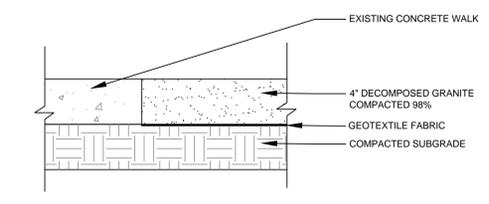
C4 CROSSWALK DETAIL / SAN AUGUSTINE
SCALE: 1/2" = 1'-0"



C4 CULVERT DETAIL
N.T.S

ACCESSIBLE ROUTE GENERAL NOTES:

1. THE DESIGN AND CONSTRUCTION OF ALL ELEMENTS OF PEDESTRIAN FACILITIES SHALL MEET THE CRITERIA ESTABLISHED IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (T.A.S.), AS PREPARED AND ADMINISTERED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR), UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. ALL SLOPES SHOWN ARE MAXIMUM ALLOWABLE. THE CROSS SLOPE OF AN ACCESSIBLE ROUTE AND/OR LANDING MUST NOT EXCEED 1:50 (2%). ANY PART OF THE ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 (5%) SHALL BE CONSIDERED A RAMP.
3. A MINIMUM WIDTH OF 36 INCHES SHALL BE PROVIDED FOR LANDINGS AROUND OBSTRUCTIONS (I.E. SIGN SUPPORTS, SIGNAL SUPPORTS, POLES, ETC.) LOCATED ADJACENT TO THE PEDESTRIAN ROUTE.
4. MINIMUM 22 INCHES OF CLEARANCE IS REQUIRED FOR OBSTRUCTIONS LESS THAN 24 INCHES IN LENGTH, AND A MINIMUM 36 INCHES OF CLEARANCE IS REQUIRED FOR OBSTRUCTIONS GREATER THAN OR EQUAL TO 24 INCHES IN LENGTH.



- NOTES:
1. ACHIEVE COMPACTION WITH MECHANICAL ROLLING OR VIBRATORY COMPACTING EQUIPMENT.
 2. HAND-TAMP ALONG EDGES, COLUMNS & FURNISHINGS.
 3. MODIFY MOISTURE CONTENT OF D.G. AS REQUIRED TO ACHIEVE COMPACTION.
 4. FINAL GRADES SHALL NOT VARY MORE THAN 1/2" FROM SPECIFIED GRADE & THICKNESS.
 5. CONTRACTOR SHALL REMOVE ALL AGGREGATES LARGER THAN 3/8" FROM FINISHED SURFACE.

B5 DECOMPOSED GRANITE ADJACENT TO PAVING
N.T.S

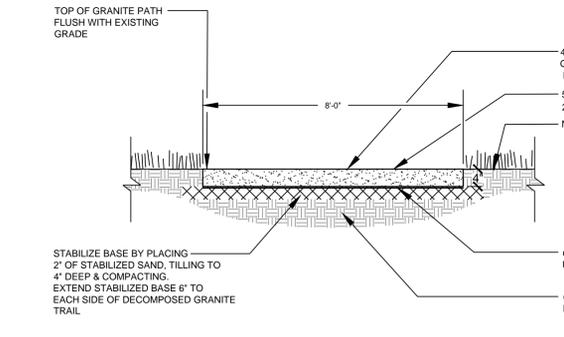
DECOMPOSED GRANITE

PRODUCE FROM NATURALLY FRIABLE GRANITE. BLENDS OF COURSE SAND AND ROCK DUST ARE NOT ACCEPTABLE.

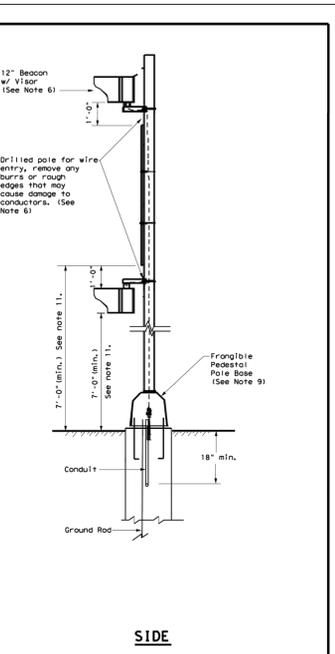
GRADATION, IN ACCORDANCE WITH ASTM C136:

SIEVE SIZE	PERCENT PASSING
1/2"	100
3/8"	90-100
NO. 4	50-100
NO. 30	25-55
NO. 100	10-20
NO. 200	5-18

- NOTES:
1. ACHIEVE COMPACTION WITH MECHANICAL ROLLING OR VIBRATORY COMPACTING EQUIPMENT.
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 3. MODIFY MOISTURE CONTENT OF D.G. AS REQUIRED TO ACHIEVE COMPACTION.
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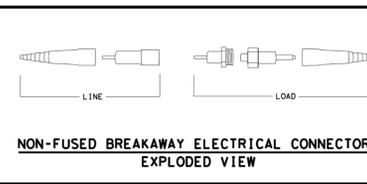
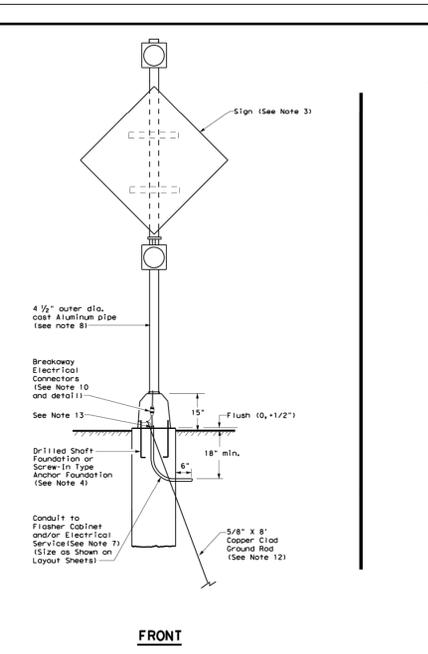
A4 DECOMPOSED GRANITE TRAIL
N.T.S



Texas Department of Transportation
Traffic Operations Division
Standard

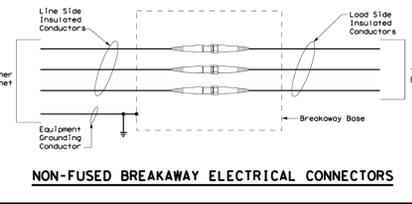
ROADSIDE FLASHING BEACON ASSEMBLY
RFBA-13

FILE: rfbfa13.dgn	DATE: 1/20/07	BY: TUD07	DATE: 1/20/07
PROJECT: 1039	DATE: 1/20/07	BY: TUD07	DATE: 1/20/07
DESCRIPTION: ROADSIDE FLASHING BEACON ASSEMBLY	DATE: 1/20/07	BY: TUD07	DATE: 1/20/07
DATE: 1/20/07	DATE: 1/20/07	DATE: 1/20/07	DATE: 1/20/07



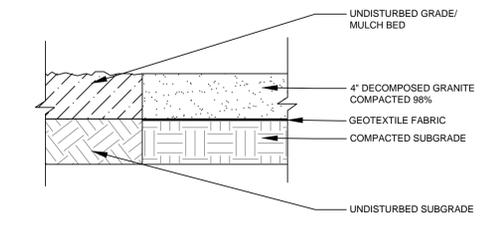
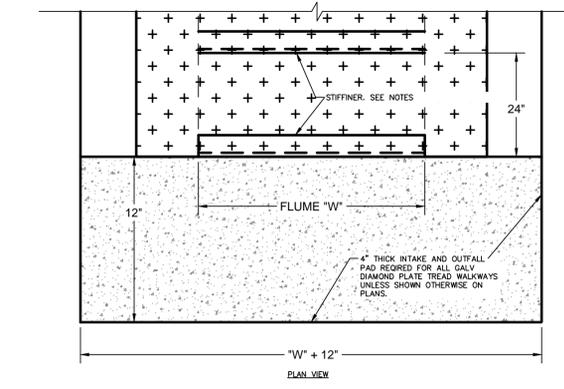
NON-FUSED BREAKAWAY ELECTRICAL CONNECTORS
EXPLODED VIEW

- GENERAL NOTES:**
1. Details show a typical warning sign with two flashing beacon heads, other arrangements are possible. When only one beacon is required, install the upper beacon.
 2. See Item 685, "Roadside Flashing Beacon Assemblies" for further requirements.
 3. See SMD standard sheets for lateral and vertical clearances and sign mounting details. Install signs as shown on the sign layout sheets.
 4. Use either a Screw-In Type Anchor Foundation or a Drilled Shaft Foundation as shown elsewhere in the plans. When plans require a Drilled Shaft Foundation, see standard sheet 15-FD. Install the Screw-In Type Anchor Foundation as per manufacturer's recommendations. On a slope, install one edge of ground level. Screw-In/Drilled Shaft Foundation is subsidiary to Item 685. Installation of a ground rod is not required for solar powered flashing beacon assemblies.
 5. When used, provide Screw-In Type Anchor Foundations as shown on TxDOT's Material Producer List (MPL) in the file "Highway Traffic Signals".
 6. Install beacon heads as shown here, as shown elsewhere on the plans, or as directed. Use hardware specifically designed for mounting beacon heads on poles.
 7. Conduit in foundation and within 6 in. of foundation is subsidiary to the Item 685, "Roadside Flashing Beacon Assemblies."
 8. Unless otherwise shown on the plans, pole shaft shall be one piece, Schedule 40 Aluminum pipe, ASTM B429 or B221 (Alloy 6061-T6 only). Aluminum conduit will not develop the necessary strength and will not be allowed.
 9. Per manufacturer's recommendations, engage all threads on the pedestal pole base and pipe unless the pipe is fully seated into base. In high winds, use a pole and base collar assembly to add strength and prevent loosening of connection.
 10. Provide single pole non-fused watertight breakaway electrical connectors for frangible pedestal pole bases, as shown on TxDOT's MPL in the file "Roadway Illumination and Electrical Supplies." Approved models are listed under Item 685. For ungrounded (non) conductors, install a breakaway connector with a dummy fuse slug. For grounded (neutral) conductors, install a breakaway connector with a white colored marking and a permanently installed dummy fuse (slug).
 11. Provide clearance as shown above the sidewalk or pavement grade at the edge of the road. When a bottom beacon is not used, mount the bottom of the sign at least 7 ft. above the sidewalk or pavement grade at the edge of the road.
 12. Make connections to ground rods according to NEC. Ground rod clamps shall be listed for their intended purpose.
 13. Ensure height of conduit and ground rod is below top of anchor bolts.



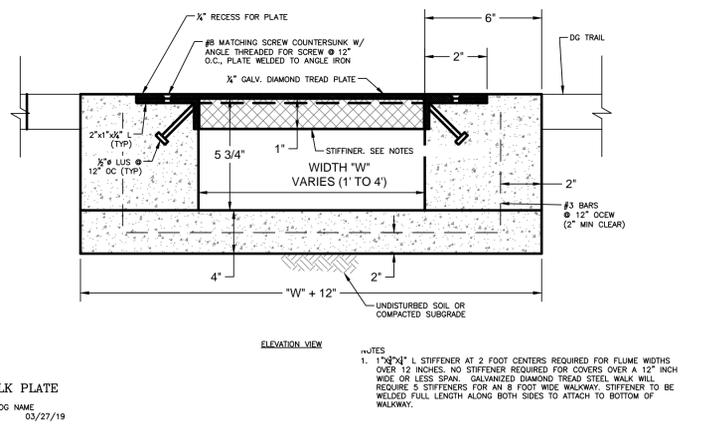
NON-FUSED BREAKAWAY ELECTRICAL CONNECTORS

C1 ROADSIDE FLASHING BEACON ASSEMBLY
SCALE: 1/2" = 1'-0"

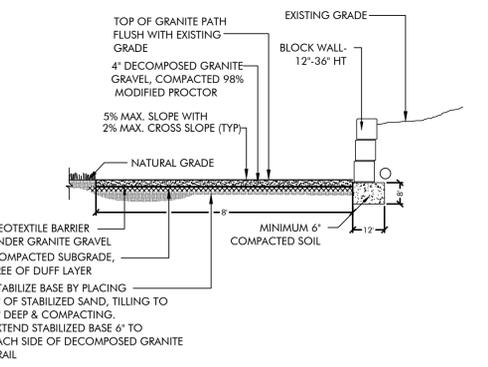


- NOTES:
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B3 DECOMPOSED GRANITE ADJACENT TO EXISTING GRADE
N.T.S



A1 METAL PLATE FOR WATER FLOW
N.T.S



A3 DECOMPOSED GRANITE ADJACENT TO RETAINING WALL
N.T.S

A1 METAL PLATE FOR WATER FLOW
N.T.S